

RAJESH RAVINDRAN, IFS
Additional PCCF, Nodal Officer F(C) Act
& CEO State CAMPA, Kerala



O/o CEO CAMPA,
Forest HQ, Vazhuthacaud
Thiruvananthapuram-695014
Email: ceostatecampa@gmail.com
Mob: 9447979014
Phone: 0471-2529150,2736327

No. FC5 - 3559/2022

Date: 13.02.2023

To

- 1) The Chief Executive Officer
National CAMPA,
Ministry of Environment, Forest & Climate Change,
Agni Wing, 5th Floor,
Indira Paryavaran Bhawan, Jor Bagh Road Aliganj
New Delhi - 110003
- 2) Joint Chief Executive Officer, CAMPA
Ministry of Environment, Forest & Climate Change,
Agni Wing, 5th Floor,
Indira Paryavaran Bhawan, Jor Bagh Road Aliganj
New Delhi - 110003
- 3) Deputy Inspector General of Forests & Dy.CEO, CAMPA
Ministry of Environment, Forest & Climate Change,
Agni Wing, 5th Floor,
Indira Paryavaran Bhawan, Jor Bagh Road Aliganj
New Delhi - 110003
- 4) Assistant Inspector General of Forests, CAMPA
Ministry of Environment, Forest & Climate Change,
Agni Wing, 5th Floor,
Indira Paryavaran Bhawan, Jor Bagh Road Aliganj
New Delhi - 110003
- 5) The Deputy Inspector General of Forests (Central),
Government of India, Ministry of Environment, Forest & Climate
Change, Integrated Regional Office (Southern Zone), Kendriya
Sadan, IVth Floor, E&F Wings, 17th Main Road, IInd Block,
Koramangala, Bangalore - 560034.

Sir,

Sub: - Submission of Annual Plan of Operations (APO) 2023-24 of
State CAMPA, Kerala - reg.

I am submitting herewith the Annual Plan of Operation
2023-24 of State CAMPA, Kerala, (in the prescribed format) for an

amount of Rs. 1365.06/- Lakhs which has been approved by the Steering Committee of the State CAMPA in the meeting held on 27th January 2023 and the Minutes of the same and the Abstract of APO 2023-24 are enclosed herewith.



**Additional PCOF, Nodal Officer
F(C) Act & CEO State CAMPA,
Kerala**

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RAJESH RAVINDRAN, IFS
Additional PCCF, Nodal Officer F(C) Act
& CEO State CAMPA, Kerala




O/o CEO CAMPA,
Forest HQ, Vazhuthacaud
Thiruvananthapuram-695014
Email: ceostatecampa@gmail.com
Mob: 9447979014
Phone: 0471-2529150,2736327

Date: 31.12.2022

Certificate

It is certified that all the activities finding a mention in the Annual Plan of Operations 2023-24 have been prepared in accordance with the extant Rules & Guidelines and to the extent they are concerned with Forests and are in keeping with the provisions and requirements of approved Working Plans & Wildlife Management Plans specific to the respective areas.


Additional PCCF, Nodal Officer
F(C) Act & CEO State CAMPA,
Kerala

Minutes of the 5th Meeting of the Steering Committee of Kerala State CAMPA chaired by Chief Secretary held on 27th January 2023 in Chief Secretary's Committee room.

The 5th Meeting of the Steering Committee of Kerala State CAMPA was held at 2.00 PM on 27.01.2023 through hybrid mode in Chief Secretary's Committee room, Government Secretariat with Chief Secretary in the Chair. The list of participants is enclosed herewith.

Chief Secretary enquired about the progress of the works of the current financial year 2022-23. Chief Executive Officer, CAMPA informed about the non release of ₹13.76 crores out of ₹17.26 crores of the approved APO of 2022-23. Chief Secretary sought details about this non release of found and Secretary, Finance(Expenditure) has agreed to look into the matter immediately.

Chief Executive Officer, State CAMPA gave a brief overview of the provisions of the Forest Conservation Act, 1980 including the creation of Compensatory Afforestation Fund and the authorities at the National and State level. CEO CAMPA also highlighted the fact that the release of Rs.81.58 crores that was credited to SCAF Kerala in which only Rs.30.41 crores have been released to Forest Department till date. CEO, CAMPA mentioned that the 5th Executive Committee was held on 20.12.2022 in which the APO proposed for the year 2023-24 has been approved. He then put up the APO approved by the Executive Committee for consideration and approval of the Steering Committee.

The APO of 2023-24 was presented before the Committee as detailed below.

CAMPA APO 2023-24 (Abstract)	
	Amount (Rs. in

Components	Amount (in Lakhs)
Compensatory Afforestation Fund Part	260.55
Part-A - Not less than 80% of the NPV fund category	1020.81
Part-B - Not more than 20% of the NPV fund category	30.00
Interest Fund Part	53.70
Total	1365.06

Abstract of Annual Plan of Operations-2023-24 attached as Annexure.

I. Compensatory Afforestation works (Creation & Maintenance) – Rs.260.55 Lakhs (As per Sec 6(a) of Compensatory Afforestation Funds Act, 2016)

CEO CAMPA shared the site specific details and explained that the works proposed under this component pertain to Compensatory Afforestation in lieu of diversion of forest land permitted for non-forest purposes and includes creation & maintenance of CA plantations raised in the previous years. The committee suggested to ensure participation of local people in the implementation of the works.

II. Net Present Value Fund Part

A. Works proposed under Not less than 80% of the NPV fund category –Rs.1020.81 Lakhs

Works proposed under the component are related to Eco restoration, Protection of Research plots & SPAs, Strengthening of Forest Protection, Improvement of Wildlife Habitat, Forest Fire Prevention and Control, Human Animal Conflict Mitigation and Forest & Wildlife protection. The break-up of works proposed under the category as per Sec 6(b) of CAF Act, 2016 are:

Sl.No	Name of Work	Amount (Rs. in Lakhs)
1	Eco-restoration works in Monoculture Plantations	320.42
2	Protection of Research Plots & SPAs	8.00
3	Strengthening Forest Protection and Anti-Poaching units	65.70
4	Improvement of Wildlife Habitat	85.74
5	Forest fire prevention and control	289.20
6	Human Animal Conflict Mitigation	195.00
7	Forest and Wildlife Protection	56.75
	Total	1020.81

B. Works Proposed under Not more than 20% of the NPV fund category Rs.30 Lakhs (as per Sec 6(b) of CAF Act, 2016)

CEO, CAMPA informed that only Monitoring & Evaluation is

planned to be taken up under this category for the financial year 2023-24.

Sl.No	Name of Work	Amount (Rs. in Lakh)
1	Monitoring & Evaluation	30.00

Chief Secretary enquired about the kind of monitoring and evaluation carried out by the Department. CEO, CAMPA explained that Institute of Forest Genetics & Tree Breeding (IFGTB), Coimbatore has been entrusted for the third party monitoring and evaluation works under the CAMPA funds. Additional Chief Secretary (Planning & Economic Affairs) enquired on the criteria for selection of agency. CEO, CAMPA informed that IFGTB is an autonomous institution under ICFRE, Dehradun and they are fully competent to take up this activity.

III. Interest Fund Part

Works which are meant to meet the incremental expenses and the establishment cost of State authority.

A - Activities- Not less than 60% of the Interest Fund Category- Rs.60.00 Lakhs (As per Sec 6(c) of CAF Act, 2016)

1. To offset the incremental cost of CA, PCA, CAT & Salary of CEO & Staff – Rs.40.00 Lakhs

B - Activities - Not more than 40% of the Interest Fund Category - Rs.13.70 Lakhs (As per (Sec 6(c) of CAF Act, 2016)

Sl.No	Name of Work	Amount (Rs. in Lakhs)
1	Procurement of Office Stationary items	1.50
2	Procurement of Desktop computer systems	1.20

3	Procurement of Office furniture	1.00
4	Hiring of Staff Car	5.00
5	Field Inspection & Evaluation (internal)	5.00
	Total	13.70

Deputy Inspector General of Forests, Ministry of Environment . Forest and Climate Change, Integrated Regional Office, Bengaluru raised some queries including whether any spill over activity is proposed for the APO, 2023-24 to which CEO, CAMPA informed that no spill over activity is proposed due to non-release of funds from the State Government. With regard to the Eco restoration activities being proposed to be taken up in the APO 2023-24, DIGF enquired whether any commercial extraction would be allowed; to which CEO, CAMPA informed that relevant working plans/management plans, incorporating the Eco restoration policy of the State would be the process by which such extraction would be taken up. DIGF informed that during the submission of the APO, the complete part-wise details in each category should be incorporated and that there should be enough provision of funds for monitoring and evaluation as it is an important activity. CEO, CAMPA informed that three level Monitoring & Evaluation is being taken up as mandatory.

After detailed discussion, all the items proposed in the APO 2023-24 as above and to the tune of Rs.1365.06 Lakhs have been approved by the Steering Committee.

The meeting concluded at 2.30 PM.

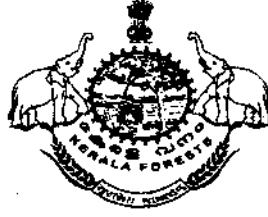
DR V P JOY
CHIEF SECRETARY
& Chairman, Steering Committee,
State CAMPA, Kerala

List of Participants

1.	Sri. V.P. Joy IAS	Chairman	Chief Secretary, Kerala
2.	Sri. Puneet Kumar IAS	Member	Additional Chief Secretary (Planning & Economic Affairs)
3.	Sri. Sanjay Kaul IAS	Member	Secretary, Finance (Expenditure)
4.	Sri. Ganga Singh IFS	Member	Principal Chief Conservator of Forests & Chief Wildlife Warden.
5.	Sri. P. Pugazhendi IFS	Member	Additional Principal Chief Conservator of Forests & Chief Executive Officer, CAMPA
6.	Sri. M.K. Shambhu IFS (attended through online)	Member	Deputy Assistant Inspector General of Forests (Central) Ministry of Environment, Forest & Climate Change, Bangalore
7.	Sri. Shumin S. Baby	Member	Deputy Director, TRDM, DSTDD
8.	Sri. JayaramKumar.R		Joint Secretary, Forest & Wildlife Department
	Sri Samuel		Conservator of Forests (Special

9. Vanlalngheta Pachuau IFS	Afforestation)
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FCS - 3559/2022



Office of the
Chief Executive Officer
STATE CAMPA, KERALA
3rd Floor, "Vanalakshmi", Forest HQ,
Vazhuthacaud Thiruvananthapuram-695014
Email: ceostatecampa@gmail.com
Ph: 0471-2529150, 2529151
Mob: 9447979014
Date: 26.12.2022

To

1. Chief Wildlife Warden, Kerala - Member
2. Principal Chief Conservator of Forests (Planning & Development) Kerala – Member.
3. Principal Chief Conservator of Forests (Forest Management).
4. Additional Principal Chief Conservator of Forests (Administration).
5. Chief Conservator of Forests (WP&R)- Member.
6. Secretary or representative of Environment Department – Member.
7. Secretary or representative of Finance Department – Member.
8. Secretary or representative of Planning Department – Member.
9. Secretary or representative of Revenue Department – Member.
10. Secretary or representative of Agriculture Department –Member.
11. Secretary or representative of Rural Development Department –Member.
12. Secretary or representative of Tribal Development Department – Member.
13. Secretary or representative of Panchayathi Raj Department –Member.
14. Secretary or representative of Science & Technology Department – Member.

Sir,

Sub :- Kerala State CAMPA – Executive Committee – Forwarding of Minutes of 5th Executive Committee Meeting held on 20.12.2022 for finalization of APO for the year 2023-24 - regarding.

Ref :- This office letter of even No. dated 17.12.2022.

Please find enclosed copy of the minutes of the meeting of State CAMPA Executive Committee held on 20.12.2022 at 11.00 AM though hybrid mode to discuss the APO for the year 2023-24. The attendance sheet (Annexure – I) and abstract of approved APO 2023-24 (Annexure – II) are also enclosed.

Enclosure: As above.

Yours faithfully,

Chief Executive Officer
STATE CAMPA KERALA

Copy submitted to Principal Chief Conservator of Forest & Head of Forest Force, Chairman, for kind information.

Minutes of the 5th Meeting of the Executive Committee of Kerala State CAMPA held on 20th December, 2022 through Hybrid mode from Video Conference Room, Forest Head Quarters, Vazhuthacaud, Thiruvananthapuram

The 5th Meeting of the Executive Committee of Kerala State CAMPA was held at 11 AM on 20.12.2022 through Hybrid Mode from Video Conference Hall, Forest Head Quarters, Thiruvananthapuram with the Principal Chief Conservator of Forests & Head of Forest Force in the Chair. The list of participants is enclosed as **Annexure -I**.

The Chief Executive Officer, State CAMPA welcomed the participants. After a brief introduction of CAMPA, its origin and operations history, the CEO State CAMPA flagged the issue of delay in release of funds by the State Government even as the Annual Plan of Operations are approved at the levels of Steering Committee chaired by the Hon'ble Chief Secretary and the National Executive Committee under the chairmanship of Director General of Forests & Special Secretary to MoEF, Government of India. The delay in release of funds under CAMPA will hamper the activities under CAMPA as most operations are season specific & labour oriented.

The detailed APO 2023-24 was then placed before the Committee under the following classifications.

CAMPA APO 2023-24 (In Short)	
Components	Amount (Rs. in Lakh)
Compensatory Afforestation Fund Part	260.55
Part-A - Not less than 80% of the NPV fund category	1010.81
Part-B - Not more than 20% of the NPV fund category	30.00
Interest Fund Part	53.70
Total	1355.06

The Abstract of Annual Plan of Operations attached as **Annexure II**

I. Compensatory Afforestation works (Creation & Maintenance) – Rs. 260.55 Lakh
(As per Sec 6(a) of Compensatory Afforestation Funds Act, 2016)

The works proposed under this component pertain to Compensatory Afforestation in lieu of diversion of forest land permitted for non-forest purposes and includes creation & maintenance of CA plantations raised in the previous years.

II. Net Present Value Fund Part as per Sec 6(b) of Compensatory Afforestation Funds Act, 2016

Items under the Net Present Value Fund Part, as detailed hereunder were discussed in detail and approved by the committee.

A. Works proposed under “Not less than 80%” of the NPV fund category –Rs. 1010.81 Lakh

Works proposed under the component are the works related to Eco - restoration works in Monoculture Plantations, Protection of Research Plots and seed production areas, Strengthening Forest Protection & Antipoaching units, Improvement of Wildlife Habitat, Forest fire prevention and control operations, Human Animal Conflict Mitigation and Forest and Wildlife Protection. The break-up of works proposed under the category are:

- | | |
|---|-------------------|
| 1. Eco - restoration works in Monoculture Plantations | - Rs. 320.42 Lakh |
| 2. Protection of Research Plots and seed production areas | - Rs. 8.00 Lakh |
| 3. Strengthening Forest Protection & Antipoaching units | - Rs. 65.70 Lakh |
| 4. Improvement of Wildlife Habitat | - Rs. 85.74 Lakh |
| 5. Forest fire prevention and control operations | - Rs. 289.20 Lakh |
| 6. Human Animal Conflict Mitigation | - Rs. 185.00 Lakh |
| 7. Forest and Wildlife Protection | - Rs. 56.75 Lakh |

B. Works Proposed under “Not more than 20%” of the NPV fund category - Rs. 30.00 Lakh

Works under the item to be taken up in the year includes external monitoring & evaluation. The works proposed under this category is:

Monitoring & Evaluation – Rs. 30.00 Lakh

III. Interest Fund Part as per Sec 6(c) of Compensatory Afforestation Funds Act, 2016

Works which are meant to meet the incremental expenses and the establishment cost of State authority.

A - Activities - Not less than 60% of the Interest Fund Category - Rs. 40.00 Lakh

To offset the incremental cost of CA, PCA, CAT & Salary of CEO Staff –Rs. 40.00 Lakh

B - Activities - Not more than 40% of the Interest Fund Category - Rs. 13.70 Lakh

The break-up of works proposed under this category are

1. Procurement of Office Stationary – 1.50 Lakh
2. Procurement of Desk top Computers – 1.20 Lakh
3. Procurement of office furniture – 1.00 Lakh
4. Hiring of Staff Car – 5.00 Lakh
5. Field Inspection & Evaluation (internal) – 5.00 Lakh

Discussion & Suggestions

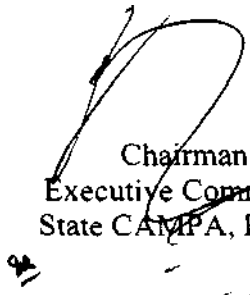
1. Principal Chief Conservator of Forests (Planning & Development) enquired if the CAMPA funds have any overlap with the other funds being allotted to the Department. It was clarified that the works are finalized based on an integrated APO to avoid any possible overlap.
2. Joint Secretary, Planning sought a clarification on whether plan schemes are involved in CAMPA Funds. CEO, CAMPA clarified that no Plan Schemes are undertaken under

CAMPA and only Compensatory Afforestation works are done alongside essential forest protection works sourced from NPV funds.

3. Joint Secretary, Finance informed that funds for the current year could not be released in time due to the financial problems faced by Government and was of the opinion that early submission of proposal will help them facilitate early release of funds. CEO, CAMPA informed that for the current financial year 2022-23, the APO was approved for 17.26 Crore in May 2022 and request for funds was submitted in May 2022 itself but only 3.50 Crore was released in September 2022. Joint Secretary, Finance, assured that this shall be looked into in future.
4. Additional Development Commissioner, representing Rural Development Department enquired about the employment scope of works in CAMPA and the possibility of linking this up with the National Rural Employment Gurantee Scheme (MNREGS). CEO, CAMPA informed that all activities under CAMPA except purchases involve man mazdoor, against which local people/tribal people are engaged and that 95% of the CAMPA works are in line with the rural employment initiative.
5. The Deputy Director, Tribal Development Department suggested that necessary employment opportunity shall be given to the tribal community in the CAMPA activities. CEO CAMPA assured that majority of the works under CAMPA will be undertaken through tribal communities.
6. Principal Chief Conservator of Forests (Forest Management) informed that the fund set apart under human wildlife conflict mitigation in 5 Circle which is 15 lakhs is very low and this should be enhanced to 25 lakh as the requirement cost for maintenance of animal rescue centers and veterinary treatment facilities for wild animals are very high.
7. Chairman, CAMPA directed that in the next season, the planting activities should start well in advance and necessary action in this regard should be taken, including securing early release of funds.

The items included in the State CAMPA APO 2022-23 as proposed subject to modifications suggested were approved by the Committee after due deliberations.

The meeting came to an end at 11.35 AM.


Chairman
Executive Committee
State CAMPA, Kerala

List of Participants

1. Sri. Bennichan Thomas IFS, PCCF & HoFF – Chairman
2. Sri. D. Jaya Prasad IFS, PCCF (P&D) – Member
3. Sri. Noyal Thomas IFS, PCCF (FM) – Member (Online)
4. Sri. Rajesh Ravindran IFS, APCCF & CEO, CAMPA – Member Secretary
5. Sri. Pramod G. Krishnan IFS, CCF, (WP&R) – Member (Online)
6. Smt. Sangeetha, Under Secretary, Planning – Member (Online)
7. Smt. Pravitha P.R, Under Secretary, SCDD – Member (Online)
8. Smt. Geetha Gopinath, Under Secretary, Environment - Member (Online)
9. Smt. Sheebha K.P, Jt. Secretary, Finance – Member (Online)
10. Sri. Shumin S. Babu, Deputy Director, Tribal Development – Member (Online)
11. Sri. C.P. Joseph, Addl Commissioner-I, O/o CRD Tvpm – Member
12. Sri. Anil B, ACF (Special Afforestation)

Form - XII

[See Rule 39]

Annual Plan of Operation for the year 2023-24 for the State of Kerala

Part-1: Brief History & Past Performance

1. Brief Description of Forests in the State

The forest area under the administrative charge of Kerala Forest Department is 11524.913 km² at the close of the year 2020-21 and forms 29.66% of the total geographical area of the State (38863km²). The per capita forest land of the State as per 2011 Census is 0.035 Ha. The total plantation area is 1562.04 km² which accounts 13.55% of the total forest area.

The distribution of forest area according to legal status is given below

Reserve Forest	:	6451.677 Sq.km
Proposed Reserve	:	285.093 Sq.km
Vested Forest	:	1586.147 Sq.km
Ecologically Fragile Land	:	135.812 Sq.km
Total Forest Area	:	11524.913 Sq.km

The details of Protected Areas are given below:-

Sl. No.	Name	Area (km²)	Formation
National Parks			
1	Eravikulam National Park	97.000	1978
2	Silent Valley National Park	237.520	1984
3	Anamudi Shola National Park	7.500	2003
4	Mathikettan Shola National Park	12.817	2003
5	Pambadum Shola National Park	1.318	2003
Wildlife Sanctuaries			
1	Periyar Wildlife Sanctuary (Tiger Reserve)	925.000	1950
2	Neyyar WLS	128.000	1958
3	Peechi-Vazhani Wildlife Sanctuary	125.000	1958
4	Parambikulam Wildlife Sanctuary (Tiger Reserve)	643.660	1973
5	Wayanad Wildlife Sanctuary	344.440	1973
6	Idukki Wildlife Sanctuary	70.000	1976
7	Peppara Wildlife Sanctuary	53.000	1983
8	Thattekkad Bird Sanctuary	25.000	1983
9	Shendurney Wildlife Sanctuary	171.000	1984

10	Chinnar Wildlife Sanctuary	90.440	1984
11	Chimmony Wildlife Sanctuary	85.000	1984
12	Aralam Wildlife Sanctuary	55.000	1984
13	Mangalavanam Bird Sanctuary	0.027	2004
14	Kurinjimala Sanctuary	32.000	2006
15	Choolannur Pea Fowl Sanctuary	3.420	2007
16	Malabar Sanctuary	74.214	2009
17	Kottiyoor Wildlife Sanctuary	30.380	2011
	Total	3066.184	

2. Forestry & Other Activities carried out in the State in last five years from the funds received under CAMPA & CAF **Annexure I** (256 pages).

3. Forestry and other activities carried out in the state in last three years from the fund received under other schemes **Annexure II** (41pages).

4. Year wise total forest area diverted in the various districts/forest divisions of the state since 1980 **Annexure III** (22 pages).

5. Compensatory Afforestation carried out in the State since 1980 **Annexure IV** (4 pages).

6. Different Forestry Schemes being implemented in the State **Annexure V**

7. Total Afforestation Works done in the last 3 years under various schemes **Annexure VI**

8. Details of the Community Development Works done under Ad-hoc CAMPA &SCAF: All works undertaken under CAMPA (both Ad-hoc & CAF) are reflected in the compilation of progress reports under Para 2.

9. All the CAMPA works in the State are monitored on a regular basis by the respective Divisional Forest Officers and concerned Circle Officers. Further all forestry & non-forestry activities of the Divisions are constantly monitored by the Vigilance Wing of the Department.

The Vigilance Wing of Kerala Forest Department was constituted vide GO(MS) No. 289/71/AD dated 23.12.1971 to monitor and evaluate all the ongoing activities undertaken by the Department and also to exercise vigil over any corrupt/ negligent practices in the execution of the schemes or in the preparation of estimates related to these. A subsequent Government order G.O. (MS)No. 4/75/AD dated 21.01.1975 specified the frame work and working of Vigilance Wing. The wing is headed by an Additional Principal Chief Conservator of Forests at the State level and has two Regional Conservators of Forests (Inspection & Evaluation) with a team of Flying Squad Divisional Forest

Officers and Range Officers in all the districts. They regularly inspect the field units to monitor implementation of schemes and record their observations for preventive, corrective and punitive actions as may be required. The abstract of reports regarding monitoring of CAMPA works taken up in the APO 2021-22& 2022-23 shall soon be obtained and compiled from the Vigilance Wing and submitted.

10. IFGTB has been selected as the external agency for conducting 3rd party monitoring of the works taken up under State CAMPA Kerala. Methodology of 3rd party monitoring of the works - **Annexure VII** and Report submitted - 2009-14 **Annexure VIII**, 2014-16 **Annexure IX**, 2016-18 **Annexure X**, 2018-19 - **Annexure XI**

11. Details of budgetary allocation of the Department in the State for 2022-23 against various Schemes under the State Government - **Annexure XII**

Part-II: APO 2023-24(CA)

Activities under Compensatory Afforestation- **Annexure XIII**

Part III: APO 2023-24 (NPV & Interest Funds Part)

Activities under NPV Funds - Not less than 80% Category (including those related to Protection of Plantations & Forests covering Eco-restoration of Monocultures & Degraded Areas, Protection of Research Plots & Seed Production Areas, Strengthening Forest Protection & Anti-poaching Units, Improvement of Wildlife Habitats, Fire Prevention & Control Operations, Human-Animal Conflict Mitigation Measures & General Forest & Wildlife Protection Measures) - **Annexure XIV**

Activities under NPV Funds - Not More than 20% Category (including Monitoring & Evaluation) - **Annexure XV**

Activities under Interest Funds Part - Not less than 60% Part covering incremental cost escalations and expenses to meet the establishment cost of State Authority & the not more than 40% part covering office stationery & Computers / Peripherals requirements - **Annexure XVI**


Chief Executive Officer
State CAMPA, Kerala

Annexure I						
Last 5 Years CAMPA Expenditure Status (APO - Wise & Circle - Wise) [2016-17 to 2022-23] Ad-hoc CAMPA Progress Figures Pertain to Period Upto December 2020** (Progress Report for the Financial Year Ending is Under Preparation)						
Circle		APO 2016-17 & 2017-18	APO 2018-19	APO 2020-21	APO 2021-22	APO 2022-23*
Southern Circle, Kollam	Allot	69.76	91.65	280.14	201.01	40.00
	Exp.	69.76	78.65	183.80	200.93	25.12
High Range Circle, Kottayam	Allot	29.95	66.35	247.00	181.83	57.00
	Exp.	20.58	66.85	235.34	181.09	28.57
Central Circle, Thrissur	Allot	4	77.07	261.58	171.75	31.00
	Exp.	4.38	76.57	171.01	170.73	18.53
Eastern Circle, Palakkad	Allot	9	52.5	174.17	243.41	36.00
	Exp.	8.97	53.5	174.12	243.41	27.79
Northern Circle, Kannur	Allot	114	54.3	117.75	193.53	26.17
	Exp.	41.78	53.3	108.41	193.51	17.80
ABP, WL Circle Thiruvananthapuram	Allot	35.26	56.24	20.40	46.30	4.00
	Exp.	30.34	50.3	20.40	46.28	4.00
Field Director, Kottayam	Allot	7.58	73.1	37.30	162.44	50.00
	Exp.	6.19	55.1	37.26	162.44	25.07
Wildlife Circle, Palakkad	Allot	31.1	52.1	89.80	215.51	37.00
	Exp.	31.1	48.1	89.80	215.48	35.18
Social Forestry, Kollam	Allot	20	164	1.40	18.30	10.00
	Exp.	10.04	74.11	1.38	18.11	2.84
Social Forestry, Ernakulam	Allot	21.55	74.69	11.10	40.61	0.00
	Exp.	21.6	4.69	9.99	40.60	0.00
Social Forestry, Kozhikode	Allot	70	10	1.50	46.00	12.00
	Exp.	30.86	10	1.50	45.96	6.68
Forest Headquarters	Allot	252.8	24	79.31	23.31	40.57
	Exp.	197.82	24	0.28	20.68	12.92
Research Division	Allot	0	0	57.46	0.00	0.00
	Exp.	0	0	55.59	0.00	0.00
CCF HRD	Allot	0	0	200.00	64.00	0.00
	Exp.	0	0	0.00	64.00	0.00
Total	Allot	665	796	1578.91	1608.00	350.00
	Exp.	473.42	595.17	1088.88	1603.21	204.49

*Out of the total approved APO of Rs. 1726.00 lakhs, only Rs. 350 lakhs is released by the State


Chief Executive Officer
Kerala State CAMPA

PROGRESS REPORT									
STATE CAMPA Annual Plan of Operations 2021-22									
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Physical		Financial	
						Target	Achievement	Target	Achievement
(i)	Compensatory Afforestation Works (Creation / Preparatory works)								
	Southern Circle, Kollam								
1	Ranni Division (Raising compensatory afforestation area (Approved in APO 2014-15 & 15-16 but could not be done)	N 9 ⁰ 14' 4.2" E 77 ⁰ 1' 38.2"	Vakalar	Ha	0.7	30	30	21.00	9.130
2	Ranni Division (Raising compensatory afforestation area - in lieu of the area diverted for Kanamala Bridge-0.542 Ha, 0.202 Ha for Microwave tower at Lahai, 0.202 Ha for Telephone exchange at Pampa, 3.62 Ha for Chalakayam Pampa road to TDB)	N 9 ⁰ 14' 4.2" E 77 ⁰ 1' 38.2"	Vakalar	Ha	0.7	9.132	9.132	6.39	4.160
3	2021 CA Plantation-Thekkumala (Creation)	N 9 ⁰ 19' 27.8" E 76 ⁰ 49' 49"	Vadasserikkara	ha	0.7	2	2	1.06	0.00
						41.132	41.132	28.452	13.290
	High Range Circle, Kottayam								
	Munnar Division								
4	Compensatory Afforestation work in Munnar Division (CA in lieu of Thottiyar) for preparatory works for planting	N 10 ⁰ 04' 05.71" E 77 ⁰ 11' 24.14"	Devikulam	Ha	0.7	10		7.00	0.91
5	2021 CA plantation at Ozhuvathadaam**	N 10 ⁰ 05'35.00" E 76 ⁰ 80'89.42"	Neriyamangalam Range	Ha	2.5	2		5.00	1.57
6	2021 CA Plantation at Kottapara**	N10 ⁰ 1'39.54" E76 ⁰ 58'10.71"	Adimali Range	Ha	0.7	6		4.20	4.41
						18.00	0	16.20	6.89
	Eastern Circle, Palakkad								
	Nilambur North Division								

7	Nilambur (North) Division (Raising Compensatory Afforestation area - Planting and first year maintenance at Thannippoyil)	N11 ⁰ 19' 02.25" E76 ⁰ 13.45' 96"	Thannippoyil	Ha	2.5	1.5	1.712	3.75	0.48
8	Raising Seedlings for CA Plantations	N 11 18 38.86 E 76 15 19.059	Central Nursery, Nilambur	Nos	0.00015	50000	50000	7.50	7.42
						1.5 Ha + 50000	50000	11.25	7.90
							50041	55.90	28.08
(ii)	Compensatory Afforestation Works (Maintenance)								
	Southern Circle, Kollam								
	Punalur Division								
9	Punalur Division (Third year maintenance of 2019 CA Plantation at Chudalakkunnu in Pathanapuram Range during 2020- 21)	N 09 ⁰ 05' 886" E 076 ⁰ 56' 976"	Chudalakkunnu	Ha	0.3	10	10	3.00	0.85
10	Punalur Division (Third year maintenance of 2018 CA Plantation at Kulatharapacha in Punnala Forest station area of Pathanapuram Range)	N 09 ⁰ 04' 296" E 076 ⁰ 58' 691" N 09 ⁰ 04' 475" E 076 ⁰ 58' 662"	Kulatharapacha	Ha	0.3	28	28	8.40	0.88
	Thenmala Division- 2nd year mtc of 1999 Eucalyptus Nedungallorpacha		Thenmala	Ha					
						38	38	11.40	1.73
	Central Circle, Thrissur								
11	Thrissur Division (Third year maintenance of CA Plantation at Porasserikunnu in Wadakkanchery Range).	N 10 ⁰ 43'24", E 76 ⁰ 11'24.11"	Porasserikunnu in Wadakkanchery Range	Ha	0.3	27.9	27.9	8.37	0.15
12	Chalakkudy Division (3rd year maintenance of CA plantation at Chattilampadam area at Vellikulangara Range).	N 10 ⁰ 22'049", E 76 ⁰ 20'73.1"	Chattilampadam in Vellikulangara	Ha	0.3	2.12	0	0.64	0.00

5	Malayatoor Division (Raising and planting seedlings of bamboo, reeds and miscellaneous species for river bank stabilisation along Periyar Riverside)	N 10 10" 41.88" E76 39' 55.72" N 10 14" 28.22" E76 49' 27.92" N 10 9" 13.15" E76 47' 12.14"	Thundathil, Edamalaray, Kuttampuzha Range	No	0.0002	10000	0	2.00	
6	Vazhachal Division (Preparatory works for planting Bamboo, reeds and indigenous seedlings along Chalakkudy Riverside)	N 10 10" 41.88" E76 39' 55.72" N 10 14" 28.22" E76 49' 27.92" N 10 9" 13.15" E76 47' 12.14"	Charpa & Vazhachal Ranges	No	0.0002	20000	22000	4.00	3.45
Subtotal						30000	22000	6.00	3.45
Eastern Circle, Palakkad									
7	Mannarkkad Division (Raising and planting of seedlings of bamboo, reeds and other miscellaneous species for planting along the Bhavani Riverside)	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6"	Attappadi Range	No	0.0002	10000		2.00	0
Subtotal						10000	0	2.00	0
Social Forestry (Central Region) Ernakulam									
8	Social Forestry Division, Thrissur (Production of Mangrove Seedlings)	N 10 ⁰ 32' 50.6" E76 ⁰ 04" 02"	Thrissur	No	0.0007	5000	5000	3.50	3.5
9	Social Forestry Division, Idukki (Production of Bamboo Seedlings)	N 9 ⁰ 33' 45" E76 ⁰ 47" 45.82" N 9 ⁰ 50' 39" E76 ⁰ 51" 41"	Kudayathoor, Paremavu	No	0.0002	15000	15000	2.00	1.61
Subtotal						20000	20000	5.50	5.11
TOTAL						50.00Ha/ 70000 seedlings		29.00	18.22
Total CAT Plan								29.0	18.2
III Net Present Value of Forest Land Fund Part									
Protection of Plantations and Forests									
(i) Eco-restoration of Monocultures									

a	Eco-restoration in monocultures with indigenous species - Creation / Preparatory Works								
Southern Circle, Kollam									
Achenkovil Division									
1	2013 TP Savakotta Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 90° 05' 3.3" E 77° 7' 7"	Kallar Range	Ha	0.75	15	15	11.25	7.83
2	2010 TP Aruvikkara Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 77° 05' 43.09" E 9° 05' 54.5"	Achankovil Range	Ha	0.75	15	15	11.25	8.69
Thenmala Division									
3	2004 TP Anapettakongal Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 51' 45.1" E 77° 03' 13.79"	Thenmala Range	Ha	0.75	15	20	11.25	4.75
Konni Division									
4	2008 TP Mundomoozhi Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 12' 28.5" E 76° 53' 34.7"	Konni Range	Ha	0.75	15	15	11.25	15.47
5	2009 TP Adichanpara Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 14' 813" E 76° 52' 804"	Konni Range	Ha	0.75	10	10	7.50	7.76
Punalur Division									
6	1961 TP Kadamancode Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 92' 63.6" E 76° 91' 55.1"	Anchal Range	Ha	0.75	10	10	7.50	2.91
7	1956 TP Iruthode Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 3' 23.6" E 76° 59' 38"	Pathanapuram Range	Ha	0.75	5	5	3.75	3.25

8	1957 TP Verukuzhy Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 53' 52.2" E 77° 2' 12.8"	Pathanapuram Range	Ha	0.75	10	10	7.50	5.54
Subtotal						95	100	71.25	56.20
High Range Circle Kottayam									
Marayur Division									
9	1984 & 1986 Wattle Pothady and Chinna Pothady Eco-restoration Zone (removal of left over wattle, uprooting, SMC Works, removal of weeds, augmentation planting, fire protection etc)- Bit I		Marayur	Ha	1	30		30.00	
Kothamangalam Division									
10	Eco-restoration of 1946 TP Thattakkad after selection felling	N 10 7'21.5" E 76 40'47.3"	Kothamangalam Range	Ha	1	18.78		18.78	2.85
Kottayam Division									
11	1987 Acacia Kulamavu Eco-restoration Zone (felling of left over Acacia, prooting of regerneration at regular intervals, planting, weeding SMC works and fire protection	N 09 49'44.7 E 76 54,51.9"	Nagarampara Range	Ha	1	8		8.00	
12	Eco-Restoration activities in 1991 Idalimotta by planting indogenous, misc. species/ preparatory/ works* Bit II	N 10°10'32.9" E 77°9'3.1"	Munnar Range	Ha	2	21	6.5	42.00	1.665
13	Eco-Restoration activities by planting indogenous, misc. species. Preparatory works at Vattappara near 2008 Eucalyptus.	N 10°10'29" E 77°09'24"	Munnar Range	Ha	2	13		26.00	
Subtotal						90.78	6.5	124.78	4.515
Central Circle, Thrissur									
Chalakkudy Division									
14	Eco-restoration of balance land under Aluva settlement area at Nayarangadi.	N 10 20' 35.01 E 76 21'42.58	Nayarangadi	Ha	1	8	8	8.00	8.38

	Malayattoor Division									
15	1978 TP Edamalar valley Eco-restoration (SMC Works, Augmentation planting, 1st year Maintenance)	N 10°11'47.4" E 076°40'47.2"	Thundathil Range	Ha	0.75	25	10	18.75	12.89	
16	1973 TP Chekuthanmukku Eco-restoration	N 10° 10'51.8" E 076° 40' 23.4"	Thundathil Range	Ha	0.75	10	10	7.50	9.47	
17	1996 Evergreen Plantation (TP) Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 13'08.15" E 076° 33' 36.33"	Kalady Range	Ha	0.75	3.25		2.438		
18	1997 TP Mulankuzhi Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 10'50.041" E 076° 40'26.436"	Kalady Range	Ha	0.75	15	11.54	11.25	3.14	
	Thrissur Division									
19	1958 TP Thekkumpadam (Augmentation planting, SMC Works, Weeding, Fire Protection)	N-10°32'50.7" E-076°21'16.5"	Pattikkad Range	Ha	0.75	10	10	7.50	17.32	
	Vazhachal Division									
20	1995 TP Panjanamkuthu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 18' 40.76" E 76 ⁰ 34' 44.63"	Charpa Range	Ha	0.75	5	5	3.75	4.19	
			Subtotal			76.25	54.54	59.19	55.39	
	Eastern Circle, Palakkad									
	Nilambur (North) Division									
	Ecorestoration - raising 2021 Miscellaneous plantation in arimbrakuth under Edavanna Range									
21	Eco-restoration-raising 2021 Miscellaneous Plantation in Arimbrakuth under Edavanna Range *	N 11 15 53.37 E 76 02 09.87	Arimbrakuth Edavanna Range	Ha	0.75	18.00	18	13.50	19.8	
22	Raising 2021 Misc Plantation at Marathode under Edavanna Range *	N 11 18 47.41 E 76 06 23.18	Marathode, Edavanna Range	Ha	0.75	1.00	1	0.75	2.59	

	Raising 2021 Misc Plantation at Edappottipoyil-Edavanna (Included as per letter no FC5-840/2021 dated 08-09-2021 of CEO CAMPA)						2		3.27	
	Subtotal						19.00	21	14.25	25.66
	Northern Circle, Kannur									
	Wayanad (North) Division									
23	Kakkolamkunnu Eco- restoration Zone (Planting, Fire Protection, weeding, engaging manmazdoor, soil & moisture conservation works etc.	N 11° 49' 59.89" E 76° 2' 19.61"	Periya	Ha	0.75	12	12	9.00	4.97	
	Wayanad (South) Division									
24	1992 Eucalyptus Parathode Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 37' 27" E 75°59' 27.3"	Kalpetta	Ha	0.75	10	16.7	7.50	16.29	
	Subtotal						22.00	28.7	16.50	21.26
	Field Director (Project Tiger) Kottayam									
	Periyar (East)									
25	Kozhikkanam 1963 Eucalyptus Plantation	N 9°29'19.58" E 77°10'53.21"	Kozhikkana m	Ha	0.75	30	30	22.50	21.29	
	Periyar (West)									
26	1964 Eucalyptus Plantation Seethakulam	N 09°30'58.1" E 077°06'31.0"	Seethakulam	Ha	0.75	12	12	9.00	9.89	
27	1962 Eucalyptus Plantation Uppupara	N 09°29'08.84" E 077°05'45.3"	Uppupara	Ha	0.75	2.50	2.5	1.88	1.99	
28	1980 Eucalyptus Plantation Ponnambalamedu	N 09°24'20.8" E 077°07'55.2"	Ponnambala medu	Ha	0.75	7	7	5.25	5.19	
29	1963 Eucalyptus Plantation Jollymala	N 09°28'37.48" E 77°16'16.67"	Jollymala	Ha	0.75	5	5	3.75	3.39	
	Subtotal						57	56.5	42.38	41.75
	Wildlife Palakkad									
	Wayanad WL Division									
30	Eco restoration of 1963-TP Tholpetty (Block T-7)	N 11 35' 49" E 76 13' 27"	Tholpetty	Ha	0.75	50	30.6	37.63	22.18	
31	Eco restoration of 1978-TP Sulthan Bathery	N 11 35' 59" E 76 02' 07"	Sulthan Bathery	Ha	0.75	28	19	21.00	7.73	
	Subtotal						78.00	49.6	58.63	29.91

				TOTAL		437.53	316.84	386.97	234.69
b	Eco-restoration in monoculture plantations (Maintenance works)								
Southern Circle, Kollam									
Thenmala Division									
1	2nd year maintenance 1999 Eucalyptus Plantation Nedungalloorpacha Eco-restoration Zone (SMC, removal of weeds, augmentation planting, fire control)	N 8° 58' 39" E 77° 03' 41.1"	Thenmala Range	Ha	0.6	15		9.00	0.37
Thiruvnanthapuram Division									
2	1964 TP Chozhiyacode Eco-restoration Zone (SMC, removal of weeds, augmentation planting, fire control)	N 8° 80' 84.2" E 77° 09' 96.02"	Kulathupuzha Range	Ha	0.6	20.26	20.26	12.16	3.21
Subtotal						35.26	20.26	21.16	3.58
High Range Circle, Kottayam									
Munnar Division									
3	2nd year Maintenance Eco-restoration of 1991 Idalimotta Wattle Plantation Bit I	N 10 10'32.9" E 77 9'3.1"	Devikulam	Ha	1	15		15	
4	2nd year Maintenance Eco-restoration of 1991 Putukkudi, Kudala	N 10 8'4.176" E 77 10'38.736"	Devikulam	Ha	1	10		10	
Marayoor Division									
5	1984&1986 Wattle plantation Pothady and Chinna Pothady Eco-restoration Zone (removal of left over Wattle, uprooting , SMC, removal of weeds, augmentation planting, fire protection etc) - Bit-II	N 10°17'46.4" E 77°08'48.8"	Marayoor	Ha	0.3	30		9.00	
Subtotal						55	0	34.00	0
Central Circle, Thrissur									
Chalakkudy Division									
6	2nd year maintenance Eco - restoration of 2012 TP Karikadavu	N 10' 22' 11.8" E 0.76' 26' 30.3"	Karikadavu	Ha	0.60	10	10	6.00	3.91

7	2011 TP Kuttanchira Eco-restoration Zone (SMC, removal of weeds, augmentation planting, fire control)	N 10° 26' 22.5" E 76° 20' 32.5"	Palapilly Range	Ha	0.6	14	14	8.40	11.01
Subtotal						24	24	14.40	14.92
Eastern Circle, Palakkad									
Nilambur North Division									
8	2nd year maintenance Eco-restoration of 1978 Eucalyptus Plantation (Weeding, SMC, Removal of coppice shoots of Eucalyptus) Bit I	N 11 24 32.4 E 76 22 49.3	Thanuppanchola	Ha	0.60	1.00	1	0.60	0.31
9	2nd year maintenance Eco-restoration of 1996 Eucalyptus Plantation (Weeding, SMC, Removal of coppice shoots of Eucalyptus) Bit II	N 11 25 12.8 E 76 22 47.1	Thanuppanchola	Ha	0.60	1.00	1	0.60	0.55
10	2nd year maintenance Eco-restoration of 2002 Eucalyptus Plantation	N 11 21 19.2 E 76 19 26.5	Thottappala	Ha	0.60	1.00	1	0.60	0.46
11	2nd year maintenance Eco-restoration of 2000 Eucalyptus Plantation (Weeding, SMC, Fire Protection)	N 11 23 0.97 E 76 17 13.67	Udumboyil	Ha	0.60	0.20	0.2	0.12	0.11
12	2nd year maintenance Eco-restoration of 2004 Eucalyptus Plantation (Weeding, SMC, Fire Protection)	N 11 25 44.46 E 76 19 36.37	Manchakkode	Ha	0.60	4.50	4.5	2.70	1.71
13	2nd year maintenance Eco-restoration of 1976 TP Colonippady Block1, Kariyam-Muriyam (Weeding, SMC, Fire Protection)	N-11°25'45.52" E-076°19'30.85"	Vazhikkada vu	Ha	0.60	10.00		6.00	0
Nilambur (South) Division									
14	1974 Nedumkayam Eco-restoration Zone (Augmentation Planting, fire protection, weeding, SMC)	N-11°17'35.3" E-076°21'21.6"	Karulai Range	Ha	0.60	10	10	6.00	5.57

15	1982 Vattikkal Eco-restoration Zone (Augmentation Planting, fire protection, Weeding, SMC)	N-11°17'35.3" E-076°21'21.6"	Karulai Range	Ha	0.60	8	8	4.80	4.38
Palakkad Division									
16	1979 Sappal TP Eco-restoration Zone (Augmentation Planting, fire protection, weeding, SMC)	N 10°52'35.0" E76° 36' 55.0"	Olavakkode Range	Ha	0.60	7	7	4.20	2.2
17	1965 Elival TP Eco-restoration Zone (planting, fire protection, weeding, SMC)	N 10°52'58.8" E76° 38' 32.6"	Olavakkode Range	Ha	0.60	4	7	2.40	1.67
Nemmara Division									
18	1963 Eucalyptus Myladumpara Eco-restoration Zone (planting, fire protection, Weeding, SMC)	N 10°32'12.34" E076° 33' 26.22'	Nelliyampathy Range	Ha	0.60	8	0.6	4.80	4.79
19	1964 Thiruvazhiyad TP Eco-restoration Zone (planting, fire protection, weeding, SMC)	N 10°32'28.13" E076° 33' 37.96'	Nelliyampathy Range	Ha	0.60	5	0.6	3.00	3
20	1965 Ayilamudi TP Eco-restoration Zone (planting, fire protection, weeding, SMC)	N 10° 33'03.66" E076° 33' 25.49'	Nelliyampathy Range	Ha	0.60	10	0.6	6.00	5.91
Subtotal						69.70	41.5	41.82	30.66
Northern Circle, Kannur									
Wayanad (South) Division									
21	2nd year Maintanance 1996 Eucalyptus Plantation Koncherikunnu Eco-restoration Zone (Casualty replacement, Weeding, SMC, fire protection)	N 11°37'56.4" E75°58'20.6"	Koncherikunnu under Sugandhagiri section	Ha	0.30	29.10	29.1	8.73	4.61
22	2nd year Maintanance 1996 Eucalyptus Plantation Parathode Eco-restoration Zone (Casualty replacement, Weeding, SMC, fire protection)	N11°37'16.6" E75°59'39.7"	Parathode under Sugandagiri Section	Ha	0.50	15.00	27.3	7.50	3.59
	Raising 17500 Polybag seedlings of Misc. species at Thariyode 8th mile under Kalpetta range						17500 seedlings		1.11

	Raising ANR plantation at Koncherikkunnu at Sugandhagiri Section under Kalpetta range during 2020-21(pending bill)								0.91
Wayanad (North) Division									
23	1958 T&SW Ondayangadi Eco-restoration Zone (planting, fire control, Weeding, SMC etc.)	N 11° 49' 59.89" E 76° 2' 19.61"	Begur Range	Ha	0.60	12	12	7.20	1.93
Subtotal						56.10	68.4	23.43	12.15
Field Director (Project Tiger) Kottayam									
Periyar (East) Division									
24	Eco-restoration activities in monoculture plantations by planting indogenous/misc. species/preparatory works	N 9° 33'7.3" E 77°7'18.55"	1975 Brandippara plantation	Ha	0.37	0.5	0.5	0.19	0.2
25		N 9 33' 7.3" E 77 7' 18.55"	1975 Mullayar plantation	Ha	0.37	9.5	9.5	3.52	3.61
Periyar (West) Division									
26	Eco-restoration activities in monoculture plantations.	N9 30'58.1 E 77 6' 31"	1964 Seethakulam Plantation	Ha	0.15	12	12	1.80	1.04
27		N 9 29.8'84" E 77 5' 45.3"	1962 Uppupara plantation	Ha	0.15	2.7	0.5	0.41	0.24
28		N 9 24' 20.8" E 77 7' 55.2"	1980 Pannambala medu plantation	Ha	0.15	7	7	1.05	0
29		N 9 28'37.48" E 77 5' 56.47"	1963 Jollimala plantation	Ha	0.15	5		0.75	1.91
Subtotal						36.7	29.5	7.71	7.00
Wildlife Palakkad									
Wayanad WL Division									

30	2nd year maintenance Eco-restoration of 1963-TP Tholpetty (Removal of Exotics, uprooting senna seedlings, Augmenting natural regeneration by seed dibbling & planting, fire protecton, Weeding, SMC)	N 11 35' 49" E 76 13' 27"	Tholpetty	Ha	0.50	12	9	6.00	5.08
31	2nd year maintenance Eco-restoration of 1964-TP Tholpetty (Removal of Exotics, uprooting senna seedlings, Augmenting natural regeneration by seed dibbling & planting, fire protecton, Weeding, SMC)	N 11 35' 49" E 76 13' 27"	Tholpetty	Ha	0.50	10	14	5.00	7.29
Subtotal						22	23	11.00	12.37
TOTAL						303.56	206.66	153.52	80.68
(ii) Augmentation of Mangroves along degraded Mangrove Stretches of Kasargode & Kozhikode									
Northern Circle, Kannur									
Kasaragod Division									
1	Raising seedlings and planting Mangroves	N 12°29'29.62" E74°59'8.57"	Kasaragod Coast	Nos	0.00025	10000	5000	2.50	0.64
Kannur Division									
2	Raising seedlings and planting Mangroves	N 11° 7'42.00" E75°49'50.76"	Kadalundi, Kozhikode	Nos	0.00025	10000	2000	2.50	0.29
Subtotal							7000	5.00	0.93
TOTAL						20000	7000	5	0.93
(iii) Greening Urban Spaces									
1	Greening Urban Spaces (Preparatory Works & Planting of Misc. Species in vacant Forest/ Revenue lands falling within Urban areas		14 Districts (7 Each in 13 Districts & 9 in 14th)	Ha	2.00	100		200.00	
Total								200.00	
(iv) Protection of Research Plots and seed Production Areas									
High Range Circle, Kottayam									

	Marayoor Division								
1	Protection of Research Plots and seed Production Areas	10 15 08.40 77 09 23.20 10 14 56.21 77 08 52.12	Nachivayal SR-I Nachivayal SR-II	Ha	0.20	20	20	4.00	4.4
2	Maintenance of Teak Tissue Culture Seedlings, Konni and Peringamala	N 08°43'41.07" E 077°03'44.43"	Penringamala	Ha	1.5	1.55		2.32	
						Subtotal	21.55	20	6.32
						Total	21.55	20	6.32
(v)	Strengthening Forest Protection & Anti-poaching Units								
a	Organising Joint Patrolling and Raids along inter-divisional and								
	Southern Circle, Kollam								
	Punalur Division								
1	Organizing joint patrolling and raids	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	Nos.	0.1	3		0.30	
2	Organizing joint patrolling and raids	N 9° 5' 26" E 76° 51' 21"	Anchal	Nos.	0.1	3		0.30	
	Achenkovil Division								
3	Organising Joint Patrolling and Raids	N 9° 08' 30.3'' E 77 0 7' 40.4''	Kallar	Nos.	0.1	10		1.00	1.27
4		N 9° 07' 10.00'' E 77 10' 20.00'	Kanayar	Nos.	0.1	10		1.00	
	Thenmala Division								
5	Organising joint patrolling and Raids	N 08° 99' 15.2'' E 077° 17' 23.7''	Inter state boundary at Kottavasal	Nos.	0.1	10		1.00	1
6	Organising joint patrolling and Raids	N09° 57' 43.0" E77 07' 07" N09 58' 47.3" E77 06' 9"- N 080 53' 57" E 0770 01' 57"	Thenmala, Edamon, Kalluvarambu Section	Nos.	0.1	10		1.00	1
	Ranni Division								
7	Organising Joint Patrolling and Raids	N 9° 19' 44.4" E 76° 55' 41.8"	Ranni	Nos.	0.1	5		0.50	

8	Organising Joint Patrolling and Raids	N 9 ⁰ 10' 18.5" E 77 ⁰ 0' 19.5"	Goodrical	Nos.	0.1	10		1.00	0.5
9	Organising Joint Patrolling and Raids	N 9 ⁰ 15' 28" E 76 ⁰ 55' 32.8"	Vadasserikkara	Nos.	0.1	5		0.50	0.14
Thiruvananthapuram Division									
10	Organising Joint Patrolling and Raids		3 Ranges	Nos.	0.10	10		1.00	0.61
11	Organising Joint Patrolling and Raids		Division	Nos.	0.25	4		1.00	0.61
Konni Division									
12	Organising Joint Patrolling and Raids	N 90 12' 0.859" E 90 11' 33.9" N 90 7' 54.3" E 90 7' 54.3" N 77053'55" E 7702'24.6"	Konni, Naduvathum oozhi, Mannarappa ra	Nos.	0.1	20		2.00	
Subtotal						100	0	10.6	5.13
High Range Circle, Kottayam									
Kottayam Division									
13	Organising joint Patrolling and Raids	N 09* 44' 53.03" E 076* 53' 57.18"	Nagarampara	Nos.	0.10	5.00		0.50	
14	Organising joint Patrolling and Raids	N 09*45' 31.73" E 077*03' 39.38"	Ayyappancoil	Nos.	0.10	5.00		0.50	
15	Organising joint Patrolling and Raids	N 09* 33' 25.13" E 076* 59' 04.03"	Kumily	Nos.	0.10	3.00		0.30	
Kothamangalam Division									
16	Organising joint Patrolling and Raids	N 09*57'59.2" E 076*50'29.1"	Naduvakkad	Nos.	0.10	8		0.80	0.49
17	Organising joint Patrolling and Raids	N 09 55 01.14 E 76 49 54.56	Velloor Station	Nos.	0.10	4		0.40	
18	Organising joint Patrolling and Raids	N 09 50 43.09 E 76 50 48.60	Poomaala Section	Nos.	0.10	4		0.40	
19	Organising joint Patrolling and Raids	N 09 47 35.14 E 76 50 56.89	Arrakulam Section	Nos.	0.10	4		0.40	
Marayoor Division									
20	Organising joint Patrolling and Raids	10 16 39.44 77 09 30.64	Marayoor Division	Nos.	0.10	20		2.00	3
Munnar Division									

21	Organising joint Patrolling and Raids	N 10° 4'33.37" E 76°51'55.34"	Avarukutty Neriyamang alm Range,	Nos.	0.1	4		0.40	0.35
22	Organising joint Patrolling and Raids	N 10 08 22.7 E 076 54 89.1	Perumbanku thu area of Adimaly Range	Nos.	0.1	4	84	0.40	1.06
23	Organising joint Patrolling and Raids	N 10° 7'18.29" E 77°14'35.34"	Top station area of Devikulam Range	Nos.	0.1	4		0.40	
24	Organising joint Patrolling and Raids	N 9°57'20.52" E 77°13'41.06"	Santhanpara Thevaramett u area of Devikulam Range	Nos.	0.1	4		0.40	
25	Organising joint Patrolling and Raids	N 10°12'4.42" E 76°57'40.36"	Edamalakku dy area of Munnar Range	Nos.	0.1	4		0.40	
Mankulam Division									
26	Organising joint Patrolling and Raids		Joining patrolling with Munnar Division in Mankulam	Nos.	0.10	6.00	6	0.60	0.97

27	Organising joint Patrolling and Raids		Join patrolling with Munnar and Malayattoor Division in Anakulam Range	Nos.	0.10	6.00		0.60	0.11668
				Subtotal		85.00	90.00	8.50	5.99
Central Circle Thrissur									
Vazhachal Division									
28	Organising Joint Patrolling and Raids	N 10 ° 15' 34.70'' E 76 ° 41' 02.72''	Entire Division area	Nos.	0.10	20	3	2.00	0.73
Malayattoor Division									
29	Organising Joint Patrolling and Raids		All Ranges	Nos.	0.1	20	45	2.00	1.2
				Subtotal		20	48	4.00	1.93
Eastern Circle, Palakkad									
Nilambur North Division									
30	Organizing joint patrolling & raids	N 11 23 10.00 N 11 23 34.00 N 11 31 27.22 N 11 22 36.45 N 11 21 33.35 N 11 26 48.75 E 76 212 16.30 E 76 17 8.00 E 76 14 16.93 E 76 22 28.93 E 76 13 54.94 E 76 14 13.79	Kodumpuzha, Akampadam, Pothukal, Nellikuth, Kanjirappuzha, Vaniyampuzha, Walluvassery	Nos.	0.10	18	4	1.80	0.47
Nilambur South Division									
31	Organizing joint patrolling & raids	N 11 16 14.07 N 11 23 32.10 E 76 10 57.01 E 76 21 38.11	Kalikavu & Karulai	Nos.	0.10	6	3	0.60	0.64
Mannarkkad Division									

32	Organizing joint patrolling & raids	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Nos.	0.10	20		2.00	0.18
Palakkad Division									
33	Organizing joint patrolling & raids	N 10 50 48.70 N 10 49 39.80 E 76 48 31.70 E 76 47 35.70	Pudussery North	Nos.	0.10	10		1.00	0
Nemmara Division									
34	Organizing joint patrolling & raids	N 10 35 21.38 N 10 33 13.4 N 10 30 19.3 N 10 37 6.72 E 76 36 21.61 E 76 36 21.61 E 76 31 28.10 E 76 30 42.48	Nelliyampat hy, Chemmana mpathy, Mangalam dam, Vadakkench ery Section	Nos.	0.10	9		0.90	0.27
Subtotal						63	7	6.30	1.56
Northern Circle, Kannur									
Kasaragod Division									
35	Organizing joint patrolling and raids	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 16.4988" E 75° 24' 46.242" N 12° 33' 55.4616" E 75° 14' 45.7008"	Ranipuram- Panathady Kottenchery - Athiyadukka m Kottiyadi- Kakkapady	Nos.	0.10	3	2	0.30	0.13
Kannur Division									

36	Organizing joint patrolling and raids along inter Divisional and inter state boundaries	N 12° 4' 49.7172" E 75° 47' 4.4772" N 12° 0' 9.9864" E 75° 46' 40.3968" N 12° 9' 59.8716" E 75° 33' 28.7136" N 12° 12' 49.3956" E 75° 31' 21.3816"	Palathumka davu Edapuzha Paithalmala Cheekad colony	Nos.	0.10	4	1	0.40	0.03
Kozhikode Division									
37	Organizing joint patrolling and raids	N 11° 30' 47.7792" E 76° 1' 7.356"	Lakkidi- Pambanpara Wayanad boundary	Nos.	0.10	2	0	0.20	0
North Wayanad Division									
38	Organizing joint patrolling and raids	N 11° 41' 48.03" E 75° 55' 51.77" N 11° 41' 06" E 75° 54' 17" N 11° 41' 58" E 75° 49' 39" N 11° 43' 53.87" E 75° 49' 37" N 11° 50' 59" E 75° 48' 37"	Begur, Peria & Mananthava dy	Nos.	0.10	20	2	2.00	0.16
South Wayanad Division									
39	Organizing joint patrolling and raids	N 11° 50' 26.916" E 76° 6' 32.526" N 11° 51' 28.0044" E 76° 9' 11.0484" N 11° 32' 16.422" E 76° 13' 47.7588"	Pannikkal- Chekady, Vattathur- Perikkallur Cholady- Neelimala Cholady- Parappanpar a	Nos.	0.10	4	2	0.40	0.18

						33	7	3.30	0.50
	ABP Circle								
	Schenduroney Division								
40	Organising Joint Patrolling and Raids	N 08° 53' 36.6" E 077° 07' 15.7"	Kalamkunnu	Nos.	0.10	5	7	0.50	0.54
41	Organising Joint Patrolling and Raids	N 08° 54' 47.3" E 077° 13' 08.7"	Kalluvarambu	Nos.	0.10	5		0.50	
42	Organising Joint Patrolling and Raids	N 08° 52' 05.9" E 077° 12' 32.7"	Ettappadappu	Nos.	0.10	5		0.50	
						15	7	1.5	0.54
	Thiruvananthapuram WL Division								
43	Organising Joint Patrolling and Raids	N8 054' 489" E 77 0 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	Nos.	0.10	15		1.50	
						15	0	1.50	0.54
	FD PT Kottayam								
	Periyar East Division								
44	Organising Joint Patrolling and Raids	N 09031'34.4" E 0770 06'45.4", N 09,34',17.236' E 077,17.15', 77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	Nos.	0.10	15	20	1.50	2.21
	Periyar West Division								
45		N 09° 28' 42.1" E 077° 04' 58.2"	Zero Point						
46		N 09° 30' 42.8" E 077° 05' 43.5"	Seethakkulam						
47		N 09° 27' 33.52" E 077° 05' 08.05"	Undamedu						
48		N 09° 27' 444" E 077° 00' 229"	Tholar						
49		N 09° 26' 43.8 E 09° 25' 47	Puthussery						

50		N09°42'14.0" E77°12'22"	Ponnambala medu						
51	Organising Joint Patrolling and Raids	N 077° 29' 26.3" E 077° 07' 57.33"	Uppupara	Nos.	0.10	15	15	1.50	1.27
52		N 09° 30' 35.9" E 077° 05' 19.6"	Sathram						
53		N09°25'55.18" E77°04'56.32"	Sannidhana m						
54		N 9°26'16.6" E 76°57'44.8"	Ponampara						
55		N 9°26'11.5" E 77°09'31.5"	Gavi						
56		N 09° 30' 35.9" E 077° 05' 19.6"	Sathram						
57		N 09° 27' 835" E 076° 58' 170"	Moozhikkal						
Subtotal									
Wildlife Palakkad									
Silent Valley Division									
58	Organizing joint patrolling and raids	N 11° 06'23.1" , E 76 ° 25'02.5"	Bhavani/ Silent Valley	Nos.	0.1	15	6	1.50	0.76
Aralam Division									
59	Organizing joint patrolling and raids	11.92458 75.79165, 11.89801 75.87646 11.94913 75.89327, 11.91988 75.88126	Aralam Farm boundary, Panniyamala , Interstate boundary, State border	Nos.	0.1	7		0.70	0
Parambikulam Division									
60	Organizing joint patrolling and raids	76.66041, 10.38496, 76.62050, 10.38400 N 10 23 395 , E 076.40 275	Parambikulam	Nos.	0.1	15	5	1.50	0.93

Peechi Division									
61	Organizing joint patrolling and raids	N 10° 27' 54" , E 10° 39' 47.09 N 76° 28' 53.155" E 10° 026' 37.8" N 076027' 27.50" E 10° 026' 25.7" N 076027' 03.50" E 10° 42.713' N 10° 43.962', E 76° 27.407' N 76° 29.899	Peechi, Chimmony and Chulannur WLS	Nos.	0.1	15	8	1.50	1.15
Wayanad WL Division									
62	Organizing joint patrolling and raids	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	Nos.	0.1	20	2	2.00	0.095
Subtotal						72	21	7.20	2.935
Total						453.00	208.00	45.90	22.06
b Interior Camp Shed Maintenance									
Southern Circle, Kollam									
Thenmala Division									
1	Interior Camp Shed maintenance	N 09° 03' 41.2'' E 0770 12' 78.5''	Kulirkadu	Nos.	3	1		3.00	
Thiruvananthapuram Division									

2	Interior Campshed maintenance	08 48 31.92 077 07 19.65	Sankily	Nos.	0.60	1		0.06	0.77
Subtotal						2	0	3.06	0.77
High Range Circle, Kottayam									
Kottayam Division									
3	Interior Campshed maintenance	N 09 45' 39.8" E 077 01' 51.4"	Valadupara	Nos.	1.00	1		1.00	0.93687
4	Interior Campshed maintenance	N 09°73'66.71" E 076°89'26.53"	Uluppooni (VFS)		5.00	1		5.00	0.2349
5	Interior Campshed maintenance	N 09°29'25.8324" E 076°58'10.5276"	Kombukuthy (MFS)		1.00	1		1.00	0.2623
Kothamangalam Division									
6	Interior Campshed maintenance	N 10 049' 74.6" E.076 44' 66.1"	Pothencheeni Campshed		1.5	1		1.50	

7	Interior Campshed maintenance	N 10 01' 38.8" E.076 43' 54.5"	Uppukuzhi Campshed	Nos.	1	1		1.00	0.1375
8	Interior Campshed maintenance	N 10 1.6' 7.53" E.076 46.55' 7.8"	Pallikavala		0.75	1		0.75	
9	Interior Campshed maintenance	N10 ⁰ 09'32.264 E76041'37.251	KOOTTICK AL		0.15	1		0.15	
Marayoor Division									
10	Interior Campshed maintenance	10 12 50.55 77 09 45.95 10 15 17.19 77 12 26.06	Theerthamal a Anchuveed	Nos.	3.00	2		6.00	
Munnar Division									
11	Interior Campshed maintenance	N 10°10'36.28" E 77° 8'5.74"	Iddalimotta Campshed in Devikulam Range	Nos.	3.5	1		3.5	0.048
Subtotal						10	0	19.90	1.620
Central Circle, Thrissur									
Chalakkudy Division									
12	Interior Campshed maintenance	N 10' 26' 54.07 E 0.76' 24' 55.20 N 10' 25' 09.67 E 0.76' 26' 23.00 N 10' 23' 37.60 E 0.76' 26' 28.15	Kottambi Polikallu Mukkanamk uthu	Nos.	2	3		6	
Vazhachal Division									
13	Interior Campshed maintenance	N 10 ⁰ 19' 39.11" E 0 76 ⁰ 33 24.66 N 10 ⁰ 21 10.70 E 0 76 ⁰ 37 50.2	Kundoorme du & Karanthodu P & CS	Nos.	1	4		4	
Subtotal						7	0	10.00	0
Eastern Circle, Palakkad									
Nilambur North Division									

14	Interior Campshed maintenance	N 11 21 12.29 N 11 29 47.9 N 11 31 27.22 N 11 23 74.0 E 76 06 26.321 E 76 01 34.25 E 76 14 16.93 E 76 22 59.50	Kakkadump oyil, Pandikkai, Cherambadi, Atti, Punchakolly	Nos.	1.00	5	2	5.00	0
Nilambur South Division									
15	Interior Campshed maintenance	N 11 17 33.90 E 76 21 22.34	Panappuzha	Nos.	1.00	2	0	2.00	3.02
Subtotal						7	2	7.00	3.02
Northern Circle, Kannur									
Kasaragod Division									
16	Interior Camp Shed maintenance	N 12° 24' 46.764" E 75° 21' 55.4616"	Ranipuram	Nos.	3.00	1	1	3.00	0.08
Kannur Division									
17	Interior Camp Shed maintenance	N 11° 48' 514" E 75° 39' 150" N 11° 49' 809" E 75° 39' 651"	Kadavu Velumbath	Nos.	0.30	4	0	1.20	0
South Wayanad Division									
18		N 11 73 288 E 076 18 860	Mariyanad camp Shed Irulam FS						
19		N 11 77 374 E 076 20 446	Cheeyamba m camp shed Irulam FS						
20		N 11°38'33.8" E 75°57'40.1"	APC Udhirencher y in Suganthagiri Section						

21	Interior Camp Shed maintenance	N 11°37'02.9" E 75°55'14.9"	APC Karinkanny in Padinharath ara Section	Nos.	0.30	9	7	2.70	2
22		N 11°36'03.24" E 75°58'10.62"	APC kurichiyarm ala in Kalpetta Section						
23		N 11°31'38.73" E 76°01'12.02"	APC Mandamala in Kalpetta Section						
24		N 11 30 11.8 E 76 07 10.23	Thollayiram						
25		N 11 33 05.63 E 076 04 11.49	Vengakode						
26		N 11 33 26.5 E 76 07 42.0	Meppadyku nnu						
Subtotal						14	8	6.90	2.08
ABP Circle									
Schenduroney Division									
27	Interior Camp Shed maintenance	N 8° 52' 31.3" E 77° 11' 33.2"	Umayar	Nos.	1.000	1		1.00	
28	Interior Camp Shed maintenance	N 8° 54' 39.3" E 77° 12' 10.6"	Dharbhakula m	Nos.	1.000	1		1.00	
29	Interior Camp Shed maintenance	N 8° 49' 38.4" E 77° 13' 17.6"	Pandimotta	Nos.	1.000	1		1.00	
30	Interior Camp Shed maintenance	N 8° 52' 16.1" E 77° 7' 14.4"	Rockwood	Nos.	1.000	1		1.00	
Thiruvananthapuram WL Division									

31	Interior Camp Shed maintenance	N 8°54' 489" E 77° 14" 026 N 8 037' 18.0" E 77 0 8'12.3"	Neyyar & Peppara	Nos.	1.00	4	1	4.00	4.62
Subtotal						8	1	8.00	4.62
FD PT Kottayam									
Periyar East Division									
32	Interior Campshed maintenance	N 09034'36.1" E 0770 07'61.5"	Thondiyar	Nos.	4	1	1	4.00	0
Munnar WL Division									
33	Interior Campshed maintenance	N 10°5' 6.71" E 77° 3'29.53"	SNP/ENP/C WS	Nos.	0.5	5	2	2.50	2.67
Idukki WL Division									
34	Interior Campshed maintenance	N 9°43.33'776 E 76° 57'25.99"	Vakavanam	Nos.	8	1	1	8.00	7.09
Subtotal						7	4	14.50	9.76
Wildlife Palakkad									
Silent Valley Division									
35	Interior Campshed maintenance	11° 06'23.1" N, 76 ° 25'02.5" E N 11°04'55.2" E 076°28'52.3"	Panthethod e Anavai	Nos.	2.00	2	3	4.00	0.76
Aralam Division									
36	Interior Campshed maintenance	11.91000 75.87791 11.97004 75.82634	Kolithattu Moonukallu	Nos.	2.00	2		4.00	0
Parambikulam Division									

37	Interior Campshed maintenance	10.4037, 76.80625, 10.420766, 76.80625 10.522611, 76.83780, 10.50233, 76.806972, 10.407472, 76.722527	Kallippara Vengoli Top Koochimudi Karadi Bungalow Kothala APC	Nos.	2.00	5	3	10.00	5.75
Peechi Division									
38	Interior Campshed maintenance	10° 27'54" N 10° 39'47.09N 76° 18'4.122"E 76° 28' 53.155"E N10° 26'37.8" E 076° 27'27.50"	Varayanpara Ottakunnuan u Anapporu	Nos.	2.00	3	2	6.00	1.87
Subtotal						12	8	24.00	8.38
Total						67	23	93.36	30.25
c Field Ration for Interior Camps									
Southern Circle, Kollam									
Punalur Division									
1	Provision of field ration for interior camps	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	No.	0.333	3		1.00	1
2	Provision of field ration for interior camps	N 9° 5' 26" E 76° 51' 21"	Anchal	No.	0.333	3		1.00	1
Achenkovil Division									
3	Provision of field ration for interior camps	N 9° 06' 05.10'' E 77° 08' 20.6'	Achenkovil	No.	0.333	2		0.70	0.75
4	Provision of field ration for interior camps	N 9° 08' 20.3'' E 77° 7' 30.2''	Kallar	No.	0.333	2		0.70	0.12
5	Provision of field ration for interior camps	N 9° 07' 10.00'' E 77° 10' 20.00'	kanayar	No.	0.333	2		0.70	0.15
Thenmala Division									
6	Provision of field ration for interior camps	N 09° 00 72.2'' E 077° 15' 39.0''	Dharbhakulam,	No.	LS	LS			0.19

7	Provision of field ration for interior camps	N 08° 99' 15.2'' E 077° 17' 23.7''	Kottavasal,	No.	LS	LS			
8	Provision of field ration for interior camps	N 08° 59' 07.2'' E 077° 08' 48.6''	Chenagiri,	No.	LS	LS			0.15
9	Provision of field ration for interior camps	N 08° 59'38.4'' E077°08'3.9''.	Kadamnapar a	No.	LS	LS		1.00	
10	Provision of field ration for interior camps	N 08° 96'46.4'' E77°11'37.6''.	Edappalaya m	No.	LS	LS			
11	Provision of field ration for interior camps	N 08°94'60.0'' E 077° 14' 99.5''	Bedford	No.	LS	LS			0.28
12	Provision of field ration for interior camps	N 09 57' 43.0" E 77 07' 07"- N 09 58' 47.3" E 77 06' 9"- N 080 53' 57" E 0770 01' 57"	Thenmala, Edamon and Kalluvaram bu Section	No.	LS	LS			0.43
Ranni Division									
13	Provision of field ration for interior camps	N 9° 19' 44.4" E 76° 55' 41.8"	Ranni	No.	0.333	2		0.65	
14	Provision of field ration for interior camps	N 9° 10' 18.5" E 77° 0' 19.5"	Goodrical	No.	0.333	2		0.70	
15	Provision of field ration for interior camps	N 9° 15' 28" E 76° 55' 32.8"	Vadasserikk ara	No.	0.333	2		0.65	
Thiruvananthapuram Division									
16	1) Manachala (3 x 375 days)	N 08 46 8.2 E 077 05 39.8	Manachala	No.	LS	LS		0.40	0.16
17	2) Nootianchu (3 x 375 days)	N 08 46 24.8 E 077 04 19.5	Nootianchu	No.	LS	LS		0.40	0.15
18	3) Varayadumotta (3 x 375 days)	N 08 44 14.2 E 077 06 4.3	Varayadumo tta	No.	LS	LS		0.40	0.3
19	Vattappara in Ponnudi section			No.	LS	LS		0.40	0.83
20	Providing monthly camp ration to the interior camps for five persons including staff watchers in each campshed.			No.	LS	LS		0.40	0.37

	Konni Division								
21	Provision of field ration for interior camps		Mannarappa ra	No.	0.333	6		2.00	
	Subtotal					24	0	11.10	5.88
	High Range Circle, Kottayam								
	Kottayam Division								
22	Provision of field ration for interior camps	N 09° 45' 31.73" E 077° 03' 39.38"	Ayyappankov il	No.	0.333	2		0.60	0.58869
23	Provision of field ration for interior camps	N 09° 33' 25.13" E 076° 59' 04.03"	Erumeli	No.	0.333	2	3	0.60	0.45438
24	Provision of field ration for interior camps	N 09° 44' 53.03" E 076° 53' 57.18"	Nagarampar a	No.	0.333	2		0.60	0.6
25	Provision of field ration for interior camps	N 09° 33' 25.13" E 076° 59' 04.03"	Kumaly	No.	LS	1		0.20	
	Kothamangalam Division			No.					
26	Provision of field ration for interior camps		Kaliyar	No.	0.333	2		0.65	2.26638
27	Provision of field ration for interior camps		Thodupuzha	No.	0.333	2		0.65	
28	Provision of field ration for interior camps	N 10 ⁰ 09'32.264 E 76041'37.251	KOOTTICK AL	No.	0.333	2		0.70	
	Mankulam Division								
29	Provision of field ration for interior camps		field ration for interior camps in Mankulam Range	No.	0.333	3	3	1.00	0.80694
30	Provision of field ration for interior camps		Field ration for interior camps for interior camps in Anakulam Range	No.	0.333	3	3	1.00	1.36055
	Marayoor Division								

31	Provision of field ration for interior camps	10 17 02.56 77 12 10.21 10 15 41.80 77 07 23.27 10 15 17.19 77 08 09.51 10 14 51.28 77 08 09.51 10 16 19.13 77 13 25.48	Palappetty Nagamala Anchuveed Sekharkuzhi Njavala	No.	0.333	6		2.00	
Munnar Division									
32	Provision of field ration for interior camps	10° 4'33.37"N 76°51'55.34"E	Avarukutty Neriyamang alm Range	No.	0.333	4		1.2	0.2094
Subtotal						29	9	9.20	6.29
Central Circle, Thrissur									
Chalakkudy Division									
33	Provision of field ration for interior camps		Campsheds	No.	0.4	2		0.80	
34	Provision of field ration for interior camps		Campsheds	No.	0.3	2		0.60	
35	Provision of field ration for interior camps	N 10' 26' 54.07 E 0.76' 24' 55.20 N 10' 25' 09.67 E 0.76' 26' 23.00 E 0.76' 26' 28.15 N 10' 23' 37.60	1) Kottambi 2) Polikallu 3) Mukkanamk uth	No.	0.3	2		0.60	
Vazhachal Division									
36	Provision of field ration for interior camps		All Ranges	No.	0.33	6	6	2.00	0.73
Thrissur Division									
37	Provision of field ration for interior camps		Machad range For all stations	LS	LS	6		1.45	
						1			0.31

38	Provision of field ration for interior camps		Pattikkad range For all stations	LS	LS	LS		0.55	0.51
Malayattoor Division									
39	Provision of field ration for interior camps		All Ranges	No.	0.3	6	77	2.00	2.13
Subtotal						24	84	8.00	3.17
Eastern Circle, Palakkad									
Nilambur North Division									
40	Provisioon for field ration for interior camps	N 11 19 31.80 N 11 19 28.06 N 11 20 50.19 N 11 21 29.30 N 11 02 94.79 N 11 02 50.06 N 11 23 06.53 N 11 24 58.44 21.20 16.40 E 76 82 06.34 E 76 17 22.61 E 76 13 56.30 E 76 01 34.25 E 76 01 33.40 E 76 21 17.65 E 76 15 34.27	Kakkadumpoyil Melethottappally Pandikkai Irukunnu Cherambady Atti,Punchakolly	No.	0.333	6	4	2.00	0
Nilambur South Division									
41	Provisioon for field ration for interior camps	N 11 17 49.41 E 76 22 56.76	Kalikavu & Karulai	No.	0.333	3	3	0.90	1.01
Mannarkkad Division									
42	Provisioon for field ration for interior camps	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	No.	0.33	6	0	2.00	0
Palakkad Division									

43	Provisioon for field ration for interior camps	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	No.	0.33	5	0	1.50	0.31
Nemmara Division									
44	Provisioon for field ration for interior camps	N 10 35 21.38 N 10 31 26.1 N 10 32 26.2 E 76 36 21.61 E 76 48 28.9 E 76 42 09.0	Nelliyampat hy Thekkady Oothukuzhi Alathur	No.	0.33	4		1.30	1.21
Subtotal						24	7	7.70	2.53
Northern Circle, Kannur									
Kasaragod Division									
45	Provision of field ration for interior camps	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452" N 12° 30' 7.7508" E 75° 5' 20.7276"	Ranipuram Kottenchery Parappa Bovikanam	No.	0.333	6	5	2.00	1.35
Kannur Division									

46	Provision of field ration for interior camps	N 11° 50' 561" E 75° 39' 337" N 11° 51' 199" E 75° 44' 482" N 11° 51' 070" E 75° 54' 74.5" N 12° 02' 05.5" E 75° 47' 81.9" N 11° 58' 521" E 75° 48' 940"	Kannavam Section Nidumpoyil Section Palchuram Campshed Ezhamkadavu Campshed Neelai Campshed	No.	0.4	5	6	2.00	3.23
Kozhikode Division									
47	Provision of field ration for interior camps	N 11° 31.5' 58.1" E 75° 57' 33.1"	Athikode Sankaranpuzha Choothupara Kakkayam Dam site	No.	0.4	5	5	2.00	2.3
North Wayanad Division									
48	Provision of field ration for interior camps	N 110 42' 56.98" E 075° 55' 37.24" N 11° 44' 03.38" E 075° 55' 37.24" N 11° 50' 01.73" E 075° 48' 29.63"	Begur Periya & Mananthavady	No.	0.333	6	6	2.00	1.79
South Wayanad Division									
49		N 11 73 288 E 076 18 860	Mariyanad camp Shed Irulam FS	LS	LS	LS			
50		N 11 77 374 E 076 20 446	Cheeyambam camp shed Irulam FS	LS	LS	LS			
51		N 11 72 4261 E 076 21 90 77	Koodallur Camp Shed Irulam FS	LS	LS	LS			

52		N 11 69 891 E 076 18 565	Moonanaku zhy Camp Shed Irulam FS	LS	LS	LS				
53	Provision of field ration for interior camps	N 11°38'33.8" E 75°57'40.1"	APC Udhirencher y in Suganthagiri Section	LS	LS	LS				
54		N 11°37'02.9" E 75°55'14.9"	APC Karinkanny in Padinharath ara Section	LS	LS	LS				
55		N 11°36'03.24" E 75°58'10.62"	APC kurichiyarm ala in Kalpetta Section	LS	LS	LS				
56		N 11°31'38.73" E 76°01'12.02"	APC Mandamala in Kalpetta Section	LS	LS	LS				
57		N 11 30 11.8 E 76 07 10.23	Thollayiram	LS	LS	LS				
58		N 11 33 05.63 E 076 04 11.49	Vengakode	LS	LS	LS				
59		N 11 33 26.5 E 76 07 42.0	Meppadyku nnu	LS	LS	LS				
60		Subtotal					6	35	10.00	10.42
		ABP Circle								
	Schenduroney Division									
61	Provision of field ration for interior camps	N 8° 52' 31.3" E 77° 11' 33.2"	Umayar	No.	LS	1	1	0.25		
62	Provision of field ration for interior camps	N 8° 54' 39.3" E 77° 12' 10.6"	Dharbhakula m	No.	LS	1	1	0.25		

63	Provision of field ration for interior camps	N 8° 49' 38.4" E 77° 13' 17.6"	Pandimotta	No.	LS	1	1	0.30	1.25
64	Provision of field ration for interior camps	N 8° 52' 16.1" E 77° 7' 14.4"	Rockwood	No.	LS	1	1	0.30	
65	Provision of field ration for interior camps	N 8° 52' 6.5" E 77° 9' 2.5"	Kallar	No.	LS	1	1	0.30	
66	Provision of field ration for interior camps	N 8° 55' 53.3" E 77° 7' 39.6"	Idimuzhang anpara	No.	LS	1	1	0.30	
67	Provision of field ration for interior camps	N 8° 57' 11.6" E 77° 5' 17.5"	Mannanthara	No.	LS	1	1	0.30	
Thiruvananthapuram WL Division									
68	Provision of field ration for interior camps	N 8° 54' 489" E 77° 14' 026 N 8° 037' 18.0" E 77° 08' 12.3" N 8° 055' 608" E 77° 015' 593"	Neyyar Peppara & ABP Range Kottoor	No.	0.333	6		2.00	
Subtotal						13	7	4.00	1.25
FD PT Kottayam									
Periyar East Division									
69	Provision of field ration for interior camps	N 09° 31' 34.4" E 077° 06' 45.4", N 09° 34' 17.236' E 077° 17' 15", 77.167366 9.601616	Vallakkadavu Periyar and Thekkady	No.	0.333	6	1 month	2.00	1.97
Munnar WL Division									
70	Provision of field ration for interior camps	N 10° 5' 6.71" E 77° 3' 29.53" N 10° 8' 13.47" E 77° 15' 15.88" N 10° 21' 11.95" E 77° 13' 12.96"	SNP/ENP/CWS	No.	0.333	6	6	2.00	2.07
Subtotal						12	6	4.00	4.04
Wildlife Palakkad									
Silent Valley Division									

71	Provision of field ration for interior camps	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	No.	0.333	6	7	2.00	2.48
Aralam Division									
72	Provision of field ration for interior camps	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	No.	0.333	6	0	2.00	0
Parambikulam Division									
73	Provision of field ration for interior camps	76.66041, 10.38496, 76.62050, 10.38400 N 10 23 395 , E 076.40 275	Parambikulam TR	No.	0.333	6	3	2.00	0.66
Peechi Division									
74	Provision of field ration for interior camps	10° 27'54" N 10° 39'47.09 N 76° 18'4.122" E 76° 28' 53.155" E N10° 26'37.8" E 076° 27'27.50" N10° 26'25.7" E 076° 27'03.50" N10° 42.713' 10°43.962' E76° 27.407' 76° 29.899	Peechi Chimmony and Chulannur WLS	No.	0.333	6	1	2.00	0.3
Wayanad WL Division									
75	Provision of field ration for interior camps	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	Muthanga Tholpetty Kurichiat S.Bathery	No.	0.333	6	5	2.00	1.32
Subtotal						30	16	10.00	4.76
Total								64.00	38.34
d Field Survival Kits & Field Equipments									
Southern Circle, Kollam									
Achenkovil Division									
1	Field survival kits and field	N 9° 08' 30.3'' E 77° 07' 40.4''	Kallar	LS	LS	LS		1.00	0.99

2	equipments	N 9° 07' 10.00'' E 77° 10' 20.00'	Kanayar	LS	LS	LS		1.00	0.55		
Thiruvananthapuram Division											
3	Field survival kits and field equipments		Palode	LS	LS	LS		1.00	1.03		
4	Field survival kits and field equipments		Paruthipally	LS	LS	LS		1.00	0.35		
				Subtotal				LS	0	4.00	2.92
High Range Circle, Kottayam											
Kottayam Division											
5	Field survival kits and field equipments	N 09° 45' 31.73" E 077° 03' 39.38"	Ayyappankovil	LS	LS	LS		1.00	1.00264		
6	Field survival kits and field equipments	N 09° 33' 25.13" E 076° 59' 04.03"	Erumeli	LS	LS	LS		0.50	1.4901		
7	Field survival kits and field equipments	N 09° 33' 25.13" E 076° 59' 04.03"	Kumaly	LS	LS	LS		0.05			
Kothamangalam Division											
8	Field survival kits and field equipments		Mullaringadu	LS	LS	LS		1.00	1.10296		
9	Field survival kits and field equipments		Thodupuzha	LS	LS	LS		1.00			
Marayoor Division											
10	Field survival kits and field	10 16 39.44 77 09 30.64	Marayoor Division	LS	LS	LS	420	2.00	2.023		
Munnar Division											
11	Field survival kits and field equipments	10° 4'33.37"N 76°51'55.34"E	Avarukutty Neriyanangalm Range	LS	LS	LS		2.00	1.65		
				Subtotal				LS	420	7.55	7.27
Central Circle, Thrissur											
Chalakkudy Division											
12	Field survival Kits and Field equipments		Campsheds	LS	LS	LS		0.50			
13	Field survival Kits and Field equipments		Campsheds	LS	LS	LS		0.50			

14	Field survival Kits and Field equipments	N 10' 26' 54.07 E 0.76' 24' 55.20 N 10' 25' 09.67 E 0.76' 26' 23.00 N 10' 23' 37.60 E 0.76' 26' 28.15	Kottambi Polikallu Mukkanamkuth	LS	LS	LS		0.50	0.86			
Vazhachal Division												
15	Field survival Kits and Field equipments		All Ranges	LS	LS	LS		2.00				
Thrissur Division												
16	Field survival Kits and Field equipments		Machad range For all stations	LS	LS	LS		1.00				
17	Field survival Kits and Field equipments		Pattikkad range For all stations	LS	LS	LS		1.00				
				Subtotal					LS	0	5.50	0.86
Eastern Circle, Palakkad												
Nilambur North Division												
18	Field Survival Kits & Field Equipments	N 11 23 10.00 N 11 23 34.00 N 11 31 27.22 N 11 22 36.45 N 11 21 33.35 N 11 26 48.75 N 11 19 31.80 E 76 212 16.30 E 76 17 8.00 E 76 14 16.93 E 76 22 28.93 E 76 13 54.94 E 76 14 13.79 E 76 10 21.20	Kodumpuzha, Akampadam, Pothukal, Nellikuth, Kanjirappuzha, Vaniyampuzha, Walluvassery, Panayango de, Edakkode	LS	LS	LS	0	2.00	0			
Nilambur South Division												
19	Field Survival Kits & Field Equipments	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	LS	LS	LS	0	1.80	1.91			
Mannarkkad Division												

20	Field Survival Kits & Field Equipments	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	LS	LS	LS	0	2.00	0.03
Palakkad Division									
21	Field Survival Kits & Field Equipments	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	LS	LS	LS	0	1.50	0.03
Nemmara Division									
22	Field Survival Kits & Field Equipments	N 10 35 21.38 N 10 36 45.8 N 10 32 26.2 E 76 36 21.61 E 76 40 28.0 E 76 42 09.0	Alathur, Nelliyampat hy, Kollengode	LS	LS	LS	0	2.00	0.58
				Subtotal		LS	0	9.30	2.55
Northern Circle, Kannur									
Kasaragod Division									
23	Field survival kits and field equipments	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452" N 12° 30' 7.7508" E 75° 5' 20.7276"	Kasaragod & Kanhangad Range	LS	LS	LS	LS	2.00	3.53
Kannur Division									

24	Field survival kits and field equipments	N 11° 50' 561" E 75° 39' 337" N 11° 51' 199" E 75° 44' 482" N 11° 51' 070" E 75° 54' 74.5" N 12° 02' 05.5" E 75° 47' 81.9" N 11° 58' 521" E 75° 48' 940"	Thaliparamb a, Kottiyoor & Kannavam Range	LS	LS	LS	LS	2.00	2.04
North Wayanad Division									
25	Field survival kits and field equipments	N11°42' 56.98" E 75° 55' 37.24" N11° 44' 03.38" E 75° 55' 37.24	Manathavadi, Begur & Peria Range	LS	LS	LS	LS	2.00	1
South Wayanad Division									
26	Field survival kits and field equipments	N 11 75 059 E 076 20019	Irulam Forest Station	LS	LS	LS	8	2.00	1.17
		N 11°37'41.6" E 75°59'24.3"	HQ Suganthagiri Section	LS	LS	LS			
		N 11°36'53.36" E 76°04'27.50"	HQ Kalpetta Section	LS	LS	LS			
		N 11°39'43.5" E 75°56'31.0"	HQ Padinharath ara Section	LS	LS	LS			
		N 11 33 50.7 E 76 07 48.6	Meppady	LS	LS	LS			
				Subtotal		LS	8	8.00	7.74
				Total				34.35	21.34
(vi) Improvement of Wildlife Habitat									
a Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)									
Central Circle, Thrissur									
Chalakkudy Division									
1	Maintenance of Vayal	10°22'48.83"N 76°29'17.30"E	Cherumkaya m	Ha	0.15	2.00		0.30	

2	Maintenance of Vayal	10°18'42.74"N 76°33'6.29"E	Nirappel	Ha	0.15	5.00		0.75		
Vazhachal Division										
3	Maintenance of Vayal	N 10° 21' 07.61" E 076° 35' 08.12"	Parappanpara	Ha	0.15	5	39	0.75	0.84	
4	Maintenance of Vayal	N 10 21' 10.83" E 076° 37' 50.81"	Karanthodu							
5	Maintenance of Vayal	N 10° 18' 42.85" E 076° 34' 49.12"	Ittiyavi vayal							
6	Maintenance of Vayal	(1) N 10° 17' 33.20" E 076 36' 31.52" N 10° 18' 8.63" E 076 36 46.33" (2) N 10 17' 49.9" E 076 36' 40.3"	Karadipara, Kozhikuthu, Thommanpara, Ikkashed, Karamthode	Ha	0.15	10		1.50		
7	Maintenance of Vayal	N 10 ° 15' 37'' E 76 ° 40' 49.5''	Vachumaram vayal	Ha	0.15	3		0.45		
8	Maintenance of Vayal	N 10 ° 17' 04.18'' E 76 ° 37' 37.05''	Pachilavalam Vayal	Ha	0.15	3		0.45		
9	Maintenance of Vayal	N 10 ° 16' 17.35'' E 76 ° 39' 29.58''	Kalakkallu Vayal	Ha	0.15	4		0.60		
10	Maintenance of Vayal	N 10 ° 15' 40.7'' E 76 ° 40' 13.4''	Kozhikilachakandam Vayal	Ha	0.15	3		0.45		
11	Maintenance of Vayal	N 10 ° 17' 01.05'' E 76 ° 40' 28.92''	Anamukku Vayal	Ha	0.15	3		0.45		
12	Maintenance of Vayal	N 10 ° 17' 33.05'' E 76 ° 39' 22.39''	Nursary pocket Vayal	Ha	0.15	4		0.60		
					Subtotal		42.00	39.00	6.30	0.84
Eastern Circle, Palakkad										

	Nilambur North Division								
13	Maintenance of Vayals	N 11 23 47.89 E 76 17 3.96	1976 TP Kariem Muriem	Ha	0.15	10		1.50	0
	Nilambur South Division								
14	Maintenance of Vayals	N 11 17 49.41 E 76 22 56.76	Karulai	Ha	0.15	10	10	1.50	1.41
	Nemmara Division								
15	Maintenance of Vayals	N 10 27 14.20 E 76 42 0.30	Thakarappa dy	Ha	0.15	10		1.50	0
	Subtotal					30	10	4.50	1.41
	Northern Circle, Kannur								
	Wayanad North Division								
16	Maintenance of Vayal	N 11 ⁰ 42' 53.2" E 075 ⁰ 54' 30.6"	Thavalapara	Ha	0.15	30	5	4.50	2.26
17		N 11 ⁰ 45' 36.3" E 075 ⁰ 49' 53.6"	Chettukanda m						
18		N 11 ⁰ 48' 09.4" E 075 ⁰ 49' 59.4"	Makkipoyyil -1						
19		N 11 ⁰ 48' 10.4" E 075 ⁰ 49' 60.4"	Kattarakolly						
20		N 11 ⁰ 47' 13.7" E 075 ⁰ 49' 27.2"	Kanchola						
21		N 11 ⁰ 48' 08.4" E 075 ⁰ 49' 57.4"	Begur						
	Subtotal					30	5	4.50	2.26
	Total					102	54	15.30	4.51
b	Removal of Exotic Weeds								
	Southern Circle, Kollam								
	Thenmala Division								
1	Removal of exotic weeds at Nedungalloorpacha	N 090 39' 0.0 " E 0770 00' 28.7"	Edamon	Ha	0.15	10		1.50	1.5
	Ranni Division								
2	Removal of Exotic Weeds	N 9 ⁰ 22' 24" E 77 ⁰ 0' 9.5"	Goodrical	Ha	0.15	15		2.25	
3	Removal of Exotic Weeds	N 9 ⁰ 16.1' E 77 ⁰ 50.633'	Vadasserikk ara	Ha	0.15	10		1.50	
	Subtotal					35	0	5.25	1.5

	High Range Circle, Kottayam									
	Kottayam Division									
4	Removal of Exotic Weeds	N 09°56'37" E 076°90'93.51"	Urumbikkara	Ha	0.15	10		1.50		
	Kothamangalam Division									
5	Removal of Exotic Weeds	N10 04'68.6'' E 076 42'58.3''	Perumannoor (1998 plantation)	Ha.	0.15	5		0.75		
	Mankulam Division									
6	Removal of Exotic Weeds		Kainagiri and Nashthrakuthu area in Mankulam Range	Ha	0.092	10	8.5	0.920	0.947	
7	Removal of Exotic Weeds		Pullumala in Kadalar section in Anakulam Range	Ha	0.092	15	13	1.380	1.239	
	Marayoor Division									
8	Removal of Exotic Weeds	10 15 48.47 77 12 07.55 10 15 22.50 77 09 26.12 10 14 25.24 77 11 32.54 10 14 25.26 77 08 45.74	Vannanthura SR-I Nachivayal SR-I Karayoor SR-II Pallanadu VF	Ha	0.25	32		8.00	8.594	
	Munnar Division									
9	Removal of Exotic Weeds	10° 5'56.19"N 77°12'7.09"E	Meeshapulimala in Devikulam Range	Ha	0.6	10		6.00	2.40	
	Subtotal						82	22	18.55	13.18
	Central Circle, Thrissur									
	Vazhachal Division									
10	Removal of Exotic Weeds	N 10 ° 16' 11.96'' E 76 ° 41' 14.61''	Neelappara	Ha	0.15	2		0.30		

11	Removal of Exotic Weeds	N 10 ° 17' 37.50'' E 76 ° 40' 15.10''	Anamukku Depot	Ha	0.15	2		0.30			
12	Removal of Exotic Weeds	N 10 ° 17' 48.9'' E 76 ° 38' 27.3''	Vaekolippara	Ha	0.15	2		0.30			
13	Removal of Exotic Weeds	N 10 ° 18' 42.3'' E 76 ° 43' 39.5''	S curve area	Ha	0.15	1	55	0.15	1.65		
14	Removal of Exotic Weeds	N 10 ° 16' 31.30'' E 76 ° 42' 59.69''	Mechappilli	Ha	0.15	1		0.15			
15	Removal of Exotic Weeds	N 10 ° 16' 28.43'' E 76 ° 43' 32.22''	Thumbikkai ppara	Ha	0.15	1		0.15			
16	Removal of Exotic Weeds	N 10 ° 16' 36.35'' E 76 ° 43' 59.69''	Thoduthoni	Ha	0.15	4		0.60			
Malayattoor Division											
17	Removal of Exotic Weeds		All Ranges	Ha	0.15	10		1.50			
					Subtotal			23	55	3.45	1.65
Eastern Circle, Palakkad											
Nilambur South Division											
18	Removal of Exotic Weeds	N 11 17 49.41 E 76 22 56.76	Kalikavu & Karulai	Ha	0.15	10	10	1.50	1.08		
Palakkad Division											
19	Removal of Exotic Weeds	N 10 50 48.70 N 10 49 39.80 E 76 48 31.70 E 76 47 35.70	Pudussery North	Ha	0.15	10	0	1.50	0		
Nemmara Division											
20	Removal of Exotic Weeds	N 10 32 45.17 N 10 35 21.38 E 76 34 28.85 E 76 36 21.61	Ayilamudy, Nellyampathy	Ha	0.15	10	0	1.50	1.36		
					Subtotal			30	10	4.50	2.44
Northern Circle, Kannur											
Wayanad North Division											
		N 11° 42' 30.81" E 075° 54' 53.91"	Mangalassery								
		N 11° 50' 12.072" E 075° 57' 10.977"	Karimani								

21	Removal of exotic weeds	N 11° 48' 08.60" E 075° 51' 14.36"	Mayalattum ala	Ha	0.15	10	9	1.50	1.29
		N 11° 49' 13.307" E 075° 54' 53.948"	Chully						
		N 11° 51' 51.79" E 075° 01' 13.26"	Palayankolly , Avvakolly, teak						
		N 11° 86' 12.3" E 075° 97' 63.6"	plantation 1969,1971,1						
South Wayanad Division									
22	Removal of exotic weeds	N: 11 720 74 E: 076 218 340	Maramala Irulam FS	Ha	0.15	6		0.90	0.67
23		N:11 73 288 E : 076 18 860	Mariyanad Irulam FS						
24		N 11 30 36.7 E 76 08 31.5	Mundakkai station						
25		N 11 33 53.7 E 76 07 32.2	Vythiri Station						
26		N 11 32 58.0 E 76 12 53.7	Badery Section						
27	N 11°37'50.1" E 75°58'12.0"	Chakkankan dy in Suganthagiri Section							
Subtotal						16	9	2.40	1.96
ABP Circle									
Schenduruney Division									
28	Removal of Exotic Weeds	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	Ha	0.150	4	9	0.60	1.86
29	Removal of Exotic Weeds	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	Ha	0.150	4		0.60	
30	Removal of Exotic Weeds	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	Ha	0.150	4		0.60	
Thiruvananthapuram WL Division									

31	Removal of Exotic Weeds	N 8° 54' 489" E 77° 14' 026" N 8 037' 18.0" E 77 0 8'12.3" N 8 055' 608" E 77 0 15' 593"	Neyyar Peppara & ABP Range Kottoor	Ha	0.150	10	0.5	1.50	0.06
Subtotal						22	10	3.30	1.92
FD PT Kottayam									
Idukki Division									
32	Removal of Exotic Weeds	N 9° 43' 27.5" E 76° 56' 58.7" (Venganam - Anappallam)	Kizhukanam in Idukki Sanctuary	Ha	0.150	7	9.2	1.05	1.01
Munnar WL Division									
33	Removal of Exotic Weeds	N 10° 5' 6.71" E 77° 3' 29.53" N 10° 21' 11.95" E 77° 13' 12.96"	SNP/CWS	Ha	0.150	7	7	1.05	0.98
Subtotal						14	16.2	2.10	1.99
Wildlife Palakkad									
Silent Valley Division									
34	Removal of Exotic Weeds	11° 08' 50.2" N, 76 ° 27' 37.3" E	Bhavani/ Silent Valley	Ha	0.150	10	0	1.50	0
Aralam Division									
35	Removal of Exotic Weeds	11.92183 75.79033 11.87221 75.87146	Aralam Kottiyoor	Ha	0.150	10	15	1.50	0.96
Peechi Division									
36	Removal of Exotic Weeds	N 10° 30' 53.6" E 76° 21' 51.5" N 10° 30' 12.2" N 10° 35' 37.4" E 76° 21' 41.2" N 100 26' 9.96" E 76 029' 21.59"	Vellani Mannamang alam Poomala	Ha	0.150	10	5	1.50	0.73
Wayanad WL Division									

37	Removal of Exotic Weeds	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	Muthanga Tholpetty Kurichiat S.Bathery	Ha	0.150	10	12	1.50	1.61
Subtotal						40	32	6.00	3.30
Total						262	153	45.55	27.94
c	Habitat Enrichment in Degraded Areas								
High Range Circle, Kottayam									
Marayoor Division									
1	Habitat Enrichment in degraded areas	10 15 21.14 77 11 01.68	Karayoor SR-I	Ha	3.00	2		6.00	6.45
Total						2	0	6.00	6.45
d	Bird Survey & Conservation								
Southern Circle, Kollam									
Konni Division									
1	Bird survey and conservation		Konni Naduvathum oozhi Mannarappa ra	No.	0.2	1		0.20	
Subtotal						1	0	0.20	0
High Range Circle, Kottayam									
Mankulam Division									
2	Bird survey and conservation		Mankulam Division	No.	0.2	1	1	0.20	0.21
Marayoor Division									
3	Bird survey and conservation		Marayoor Division	No.	0.2	1		0.20	
Munnar Division									
4	Bird survey and conservation		Munnar landscape	No.	0.2	1		0.20	0.19
Subtotal						3	1	0.60	0.40
Central Circle, Thrissur									
Chalakkdy Division									
5	Bird survey and conservation		Various Parts of range area	No.	0.2	1		0.20	
Vazhachal Division									

6	Bird survey and conservation		Survey in entire Divison area	No.	0.2	1		0.20		
Thrissur Division										
7	Bird survey and conservation		Machad range	No.	0.2	1		0.20		
						Subtotal	3	0	0.60	0
Eastern Circle, Palakkad										
Nilambur South Division										
8	Bird survey & Conservation	N 11 17 33.90 E 76 21 22.34	Karulai	No.	0.2	1		0.20	0.12	
Mannarkkad Division										
9	Bird survey & Conservation	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady Agali Mannarkkad	No.	0.2	1		0.20	0	
Nemmara Division										
10	Bird survey & Conservation	N 10 35 21.38 E 76 36 21.61	Nelliyampathy	No.	0.2	1		0.20	0.06	
						Subtotal	3	0	0.60	0.18
Northern Circle, Kannur										
Kasaragod Division										
11	Bird survey and conservation	N12° 21' 15.6348" E 75° 24' 44.3592" N 12° 36' 39" E 74° 57' 26"	Kottachery Pallam Arikady	No.	0.2	1	1	0.20	0.09	
North Wayanad Division										
12	Bird survey and conservation	N11°42' 56.98" E 75° 55' 37.24"	Kottillam Panamaram	No.	0.2	1	0	0.20	0	
South Wayanad Division										
13	Bird survey and conservation	N 11°39'07.6" E 75°57'01.1"	Banasurasagar Dam	No.	0.2	1	1	0.20	0.2	
						Subtotal	3	2	0.60	0.29
ABP Circle										
Schenduruney Division										

15	Bird survey and conservation	08°54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	No.	0.2	1		0.20	
Thiruvananthapuram WL Division									
17	Bird survey and conservation	N 8° 54' 489" E 77° 14' 026" N 8 037' 18.0" E 77 0 8'12.3" N 8 055' 608" E 77 0 15' 593"	Neyyar Peppara ABP Range, Kottoor	No.	0.2	1		0.20	
Subtotal						2	0	0.40	0
FD PT Kottayam									
Periyar East Division									
18	Bird survey and conservation	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' N 77.167366 E 9.601616	Vallakkadavu Periyar Thekkady	No.	0.2	1		0.20	work completed bill pending
Periyar West Division									
19	Bird survey and conservation		Azhutha Range		0.2	1	1	0.20	0.22
Subtotal						2	1	0.40	0.22
Social Forestry (SR) Kollam									
Kollam SF Division									
20	Bird survey and conservation	08°56'15.6"N 76°32'18.7"E	Neendakara	No.	0.2	1		0.20	
Alappuzha SF Division									
21	Bird survey and conservation	09°32'66.73"N 76°51'70.99"E	Upper Kuttand	No.	0.2	1		0.20	
Kottayam SF Division									
22	Bird survey and conservation	09°62'85.46"N 76°42'31.60"E	Kottayam Ponkunnam	No.	0.2	1		0.20	
Subtotal						3	0	0.60	0
Social Forestry (CR) Ernakulam									
Ernakulam SF Division									
23	Bird survey and conservation	N 9° 52' 20.53" E 76° 21' 59.68"	Ernakulam	No.	0.2				
					10		10	0.45	0.21

24	Bird survey and conservation	N 10° 06' 25.02" E 76° 28' 25.17"	Perumbavoor	No.	0.25	1	1	0.25	0.21
Thrissur SF Division									
25	Bird survey and conservation	N 10°31'27.2" E 76°02'53.6"	Chettuva	No.	0.2	1	2	0.40	0.38
26	Bird survey and conservation	N 10°21'49.7" E 76°15'47.1"	Muriyad	No.	0.2	1			
Subtotal						12	12	0.85	0.59
Social Forestry (NR) Kozhikode									
Kozhikode SF Division									
27	Bird Survey & Conservation	N 11°54'38.69" E 76°00'00.57"	Thirunelly	No.	0.2	1		0.20	
28		N 11° 35 ' 37" E 76° 10'24"	Nellarachal	No.	0.2	1		0.20	
29		N 12° 62'90.62'' E 074°97'69.61''	Kidoor and Posadi Gumba	No.	0.2	1		0.20	
30		N 11° 15' 38.71" E 75° 56' 18.40"	Mavoor	No.	0.2	1		0.20	
31		N 11° 50'6.5" E 75° 26'46.2"	Thalassery and Kannur Range	No.	0.2	1		0.20	
Kannur SF Division									
32	Bird Survey & Conservation	N 11°44'01'' E 076° 04'20''	Panamaram	No.	0.2	1		0.20	
33		N 11°36'01'' E 076° 10'20''	Karapuzha	No.	0.2	1		0.20	

34		N 11° 50'19.4" E 75° 40'36.1"	Kannur	No.	0.2	1		0.20	
Wayanad SF Division									
35	Bird Survey & Conservation	N 11°36'01" E 076° 10'20"	Thirunelly	No.	0.2	1		0.20	
36		N 11°38'08" E 076° 15'18"	Thovarimala	No.	0.2	1		0.20	
Subtotal						10	0	2.00	0
Total						34.00	16.00	6.85	1.68
e Sea Turtle Conservation									
Central Circle, Thrissur									
Thrissur Division									
1	Sea Turtle Conservation		Puthenkadapuram Punnayur Mangalamkunnu Wadakkance ry			3	3 (320 MD)	3.00	2.36
Subtotal								3.00	2.36
Social Forestry (SR) Kollam									
Kollam SF Division									
2	Sea Turtle Conservation	08°48'27.1"N 76°39'10.3"E	Chilikkal Paravoor	No.	0.5	1	1	0.50	0.60
Alappuzha SF Division									
3	Sea Turtle Conservation	09°30'04.42"N 76°39'69.44"E	Pallana	No.	0.5	1		0.50	
Subtotal						2	1	1.00	0.60
Social Forestry (CR) Ernakulam									
Ernakulam SF Division									
4	Sea Turtle Conservation	N 10° 05' 34.51" E 76° 12' 16.04"	Edavanakka du	No.	1.5	1	1	1.50	0.32
Thrissur SF Division									

5	Sea Turtle Conservation	N 10°34'00.7" E 76°01'08.6"	Blangad	MM	0.0066	45	45	1.69	1.76
6		N 10°37'13.3" E 75°59'07.7"	Panchavadi	MM	0.0066				
7		N 10°37'44.5" E 75°58'54.2"	Akalad	MM	0.0066				
8		N 10°40'42.5" E 75°58'08.7"	Andathode	MM	0.0066				
9	Setting up of cages & making hatcheries	Thrissur	LS	1	LS	LS	1.00	0.93	
Subtotal						46	46	4.19	3.01
Social Forestry (NR) Kozhikode									
Kasaragode SF Division									
10	Sea Turtle Conservation	N 12° 14'24.3'' E 075°06'21.12''	Thaikadappuram	No.	1.5	1		1.5	
Kannur SF Division									
11	Sea Turtle Conservation	N 11° 50'19.4" E 75° 40'36.1"	Chalil Beach Kannur Range	MM	0.0075	100		0.75	
Malappuram SF Division									
12	Sea Turtle Conservation	N 10°43'33.6" E 75°56'20.9"	Veliyamkode-Pathumuri area	No.	1.00	1		1.00	
Subtotal						102	0	3.25	0
Total								11.44	5.97
(vii) Forest Fire Prevention & Control Operations									
a Engaging Fire Gangs through participatory forest management									
Southern Circle, Kollam									
Punalur Division									

1	Engaging Fire gangs	N 8° 55' 41.4" E 76° 54' 52.0"	Pathanapuram	MM	0.0074	405		3.00	4
2	Engaging Fire gangs	N 9° 5' 26" E 76° 51' 21"	Anchal	MM	0.0074	405		3.00	4.22
Achenkovil Division									
3	Engaging Fire Gangs	N 9° 06' 05.10'' E 77° 08' 20.6'	Achenkovil	MM	0.0074	811		6.00	7.48
Thenmala Division									
4	Engaging Fire Gangs		Kadamanpara	MM	0.0074	405		3.00	10
5	Engaging Fire Gangs		Thenmala, Edamon and Kalluvarambu Section	MM	0.0074	405	150	3.00	9.2
Ranni Division									
6	Engaging Fire Gangs	N 9° 19' 44.4" E 76° 55' 41.8"	Ranni	MM	0.0074	270		2.00	5
7	Engaging Fire Gangs	N 9° 10' 18.5" E 77° 0' 19.5"	Vadasserikara	MM	0.0074	270		2.00	5
8	Engaging Fire Gangs	N 9° 15' 28" E 76° 55' 32.8"	Goodrical	MM	0.0074	270		2.00	5.4
Thiruvananthapuram Division									
9	Engaging Fire Gangs		Division	MM	0.0074	811	69	6.00	12.25
Konni Division									
10	Engaging Fire Gangs through participatory forest management		Konni, Naduvathumoozhi, Mannarappara	No.	0.0074	811		6.00	0.41
Subtotal						4863	219	36.00	62.96
High Range Circle, Kottayam									
Kottayam Division									
11	Engaging fire gangs through participatory forest management	N 09°45' 31.73" E 077°03' 39.38"	Ayyappankovil	MM	0.0074	270	296	2.00	1.998

12	Engaging fire gangs through participatory forest management	N 09° 33' 25.13"E 076° 59' 04.03"	Erumeli	MM	0.0074	270	296	2.00	1.998
13	Engaging fire gangs through participatory forest management	N 09° 44' 53.03"E 076° 53' 57.18"	Nagarampara	MM	0.0074	270	316	2.00	2.133
Kothamangalam Division									
14	Engaging fire gangs through participatory forest management	N=09°57'19.9" E=076°51'37.2	Thommankuth	MM	0.0074	811		6.00	5.85225
15	Engaging fire gangs through participatory forest management	N=09°57'23.3" E=076°50'01.8"	Valpara						
16	Engaging fire gangs through participatory forest management	N 09 55 13.24 E 76 52 03.18	Kaithapara						
17	Engaging fire gangs through participatory forest management	N 09 56 03.03 E 76 54 15.58	Makkuvally						
18	Engaging fire gangs	N 09 56 40.94 E 76 50 31.44	Manuvakkad						
19	Engaging fire gangs	N 09 56 16.01 E 76 52 17.50	Manayathadam						
20	Engaging fire gangs	N 09 49 30.45 E 76 53 39.29	Valiyamavu						
21	Engaging fire gangs		Mullaringadu						
22	Engaging fire gangs	N 10 ⁰ 06'42.132 E 76° 40'15.136	Kothamangalam						
Mankulam Division									
23	Engaging fire gangs		Mankulam Range	MM	0.0074	405	185	3.00	1.7057
24	Engaging fire gangs		Anakulam Range	MM	0.0074	405	425	3.00	4.0568
Marayoor Division									
25	Engaging fire gangs	10 16 39.44 77 09 30.64	Marayoor Division	MM	0.0074	811	1282.7	6.00	10.52108
Munnar Division									

26	Engaging fire gangs	10° 4'54.23"N 76°50'33.36"E	Elamblasser y VSS Neriyamagal am Range	MM	0.0074	811	113	6.00	1.35956
27	Engaging fire gangs	10°12'4.42"N 76°57'40.36"E 14'8.76"N 76°56'19.64"E 10°11'58.13"N 76°57'27.12"E	Edamalakud y AVSS Munnar range, Mulakuthara AVSS, Meenkuthi AVSS,				315		4.7792
28	Engaging fire gangs	10° 1'38.06"N 77° 6'8.06"E	Chokkarmud y VSS Devikulam Range						
29	Engaging fire gangs	N 10 00" 58.7 E 76 54"00.4 , N 10 06 48.0 E 076 52 33.00, N 10 02 41.6 E 076 54 53 8	Chooraketta n, Kurathikudy , Kodakallu						1.99789
Subtotal						4053	3228.7	30.00	36.40
Central Circle, Thrissur									
Chalakkudy Division									
30	Engaging Fire Gangs		Pariyaram Range	MM	0.0074	811		6.00	
31	Engaging Fire Gangs		Vellikulanga ra Range						

32	Engaging Fire Gangs	N 10° 26' 54.07 E 0.76' 24' 55.20 N 10° 25' 09.67 E 0.76' 26' 23.00 N 10° 23' 37.60 N 10° 25' 21.90 E 0.76' 26' 28.15	1) Kottambi 2) Polikallu 3) Mukkanamk uthu 4) Elikodu	MM	0.0074	811	1763	6.00	11.91
Vazhachal Division									
33	Engaging Fire Gangs		All Ranges	MM	0.0074	811	1011	6.00	7.35
Thrissur Division									
34	Engaging Fire Gangs		Machad range for all stations	MM	0.0074	270		2.00	
35	Engaging Fire Gangs		Wadakkance ry range for all stations	MM	0.0074	270		2.00	

36	Engaging Fire Gangs		1) Poovanchira 2) Malayamukku 3) Pattathippara 4) Marottichal-Valloor VSS 5) Thamaravellachal , 6) Vattayi, 7) Varikulam 8) Pullamkandam	MM	0.0074	270	800	2.00	5.9
Malayattoor Division									
37	Engaging Fire Gangs		All Ranges	MM	0.0074	811	704	6.00	4.75
Subtotal						4054	4278	30.00	29.91
Eastern Circle, Palakkad									
Nilambur North Division									

38	Engaging fire gangs	N 10 32 21.25 N 11 20 47.40 N 11 22 50.50 N 11 18 33.40 N 11 17 17.39 N 11 14 50.03 N 11 15 27.48 N 11 21 33.35 N 11 26 48.755 N 11 24 65.70 E 76 37 16.40 E 76 37 14.48 E 76 34 00.381 E 76 33 23.671 E 76 33 37.80 E 76 34 36.44 E 76 40 46.50 E 76 10 07.60 E 76 06 50.50	Palakkayam , Kozhippara Cheenkanni pali , Payya Odakkayam Pullipadam Odayikkal Vaniampuzh a ,	MM	0.0074	811	915	6.00	6
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39	Engaging fire gangs	N 11 21 17.60 N 11 27 21.96 N 11 24 26.57 N 11 23 18.20 N 11 25 20.13 N 11 25 57.69 N 11 24 13.82 N 11 22 47.77 E 76 11 21.30 E 76 07 23.90 E 76 94 2.00 E 76 11 00.89 E 76 13 54.94 E 76 14 13.79 E 76 12 94.9 E 76 12 12.40 E 76 15 15.60	Chembra ,malankundu , Adyanpara Haritha Appankappu Kariem uriem Thannikada vu , Marutha, Vellakkatta, Nellikuthu (All VSS)	MM	0.0074	811	343	6.00	3.92
Nilambur South Division									
40	Engaging fire gang through Participatory Forest Management	N 11 05 0.00 N 11 26 0.00E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	MM	0.0074	811	510	6.00	6.68
Mannarkkad Division									
41	Engaging fire gangs	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	MM	0.0074	811	857	6.00	11.87
Palakkad Division									

42	Engaging fire gangs	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	MM	0.0074	811	1850	6.00	14.74	
Nemmara Division										
43	Engaging fire gangs	N 10 35 21.38 N 10 33 13.40 N 10 34 24.90 E 76 36 21.61 E 76 49 46.40 E 76 44 56.50	Nelliyampat hy, Chemmanna mpathy, Kalliyampar a, Mangalamd am, Vadakkench ery, Choolannur	MM	0.0074	811	317	6.00	5.19	
Subtotal							4866	4792	30.00	48.4
Northern Circle, Kannur										
Kasaragod Division										
44	Engaging fire gangs	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452" N 12° 30' 7.7508" E 75° 5' 20.7276"	Karadukka, Bandadukka , Parappa, Revenue area (proposed reserve), Bheemanda y, Panathady, Maruthom	MM	0.0074	811	1164	6.00	10.24	
Kannur Division										

45	Engaging fire gangs	N11° 49' 637" E 75° 44' 24.1" N11° 47' 923" E 75° 38' 878"	Chembukka vu Poiloor Thaliparamb a	MM	0.0074	811	773	6.00	7.39
North Wayanad Division									
46	Engaging fire gangs	N11° 42' 56.98" E 75° 55' 37.24" N11° 44' 03.38" E 75° 55' 37.24"	Begur, Peria& Mananthava dy	MM	0.0074	811	801	6.00	5.93
		N11° 50' 30.02" E 75° 50' 58.10"							
		N11° 55' 55.4" E 75° 59' 38.5"							
South Wayanad Division									
47	Engaging fire gangs	N:11 73 288 E : 076 18 860	Mariyanad irulam FS	MM	0.0074	811	668	6.00	5.68
48		N: 11 72 4261 E: 076 21 90 77	Koodallur irulam FS						
49		N: 11 69 891 E: 076 18 565	Moonanaku zhy irulam FS						
50		N: 11 77 374 E: 076 20 446	Cheeyamba m irulam FS						
51		N 11 30 36.7 E 76 08 31.5	Mundakkai station						
52		N 11 33 53.7 E 76 07 32.2	Vythiri Station						
53		N 11 32 58.0 E 76 12 53.7	Badery Section						
54		N 11°37'16.6" E 75°59'39.7"	Sugandhagir i Section						
55		N11°36'06.02" E 75°58'55.51"	Amba in Kalpetta Section						

56	Engaging Fire Gangs	N11°31'31.72" E 76°00'57.30"	Mandamala in Kalpetta Section		0.0074	811	800	0.00	0.00
57		N11°36'32.76" E 75°58'48.90"	Settukunnu in Kalpetta Section						
58		N11°36'06.48" E 75°59'03.09"	Melmuri in Kalpetta Section						
59		N11°40'54.00" E 75°57'04.00"	Kappikkala m in Padinharath ara Section						
60		N11°39'43.5" E 75°56'31.00"	Kuttiyamvay al in Padinharath ara Section						
Subtotal						3244	3406	24.00	29.24
ABP Circle									
Schenduruneey Division									
61	Engaging Fire Gangs	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	MM	0.0074	270	250	2.00	2.15
62	Engaging Fire Gangs	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	MM	0.0074	270		2.00	
63	Engaging Fire Gangs	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	MM	0.0074	270		2.00	
Thiruvananthapuram WL Division									
64	Engaging Fire Gangs	N8 054' 489" E 77 0 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	MM	0.0074	811	456	6.00	3.43
Subtotal						1621	706	12.00	5.58
FD PT Kottayam									

Periyar East Division									
65	Engaging fire protection mazdoors / fire gangs	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' 77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	MM	0.0074	811	639	6.00	5.51
Periyar West Division									
66	Engaging fire protection mazdoors / fire gangs	N 9.46303818455° E 77.09177077570° N 9.50994444444° E 77.08547222220° N 9.45850000000° E 76.96833333330° N 9.46247177914° E 77.14308308030° N 9.48958787808° E 77.13370160490° N 9.47636403500° E 77.12198125400° N 9.43904135011° E 77.01710327540° N 09° 27' 33.52" E 077° 05' 08.05" N 09° 27' 42.6" E 077° 01' 54.2"	Uppupara, Sathram, Moozhikkal, Pachakkana m, 4th Mile, Vamanakulam, Puthussery, Choozhy, Undamedu, karimala	MM	0.0074	811	811	6.00	6.01
Munnar WL Division									

67	Engaging fire protection mazdoors / fire gangs	N 10°5' 6.71" E 77° 3'29.53" N 10° 8' 13.47" E 77° 15'15.88" N 10° 21' 11.95" E 77° 13'12.96"	SNP/ENP/C WS	MM	0.0074	811	997	6.00	8.68
Subtotal						2433	2447	18.00	20.2
Wildlife Palakkad									
Silent Valley Division									
68	Engaging Fire Gangs	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	MM	0.0074	811	759	6.00	7.01
Aralam Division									
69	Engaging Fire Gangs	11.96186 75.81399	Aralam	MM	0.0074	811	565	6.00	5.29
Parabikulam Division									
70	Engaging Fire Gangs	10.4037, 76.80625, 10.420766, 76.80625 10.522611, 76.83780, 10.50233, 76.806972, 10.407472, 76.722527	PKMTR	MM	0.0074	811	769	6.00	6.05
Peechi Division									
71	Engaging Fire Gangs	10o 27'54" N 10o 39'47.09 N 76o 18'4.122" E 76o 28' 53.155"E N 100 26'37.8" E 76 027'27.5"	Peechi, Chimmony and Chulannur WLS	MM	0.0074	811	308	6.00	2.28
Wayanad WL Division									
72	Engaging Fire Gangs	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	MM	0.0074	811	539	6.00	4.48
Subtotal						4055	2940	30.01	25.11

	Social Forestry (CR) Ernakulam									
	NSC Kalady									
73	Engaging Fire Gangs	N 10 11.605 E 76 31.880	Kaprikkad	MM	0.0074	721	721	4.90	4.92	
74	Engaging Fire Gangs	N 10 11.495 E 076 30.830	Arattukadavu	MM	0.0074					
Subtotal						721	721	4.90	4.92	
Total						29851	22737.70	214.91	262.72	
b	Awareness Campaigns									
	Southern Circle, Kollam									
	Punalur Division									
1	Conducting training and awareness programmes to field staff, VSS members and public in Pathanapuram Range	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	Nos.	0.25	1		0.25		
2	Conducting training and awareness programmes to field staff, VSS members and public in Anchal Range	N 9° 5' 26" E 76° 51' 21"	Anchal	Nos.	0.25	1		0.25		
	Achenkovil Division									
3	Fire Awareness Campaigns	N 9° 06' 05.10'' E 77 08' 20.6'	Achenkovil	Nos.	0.25	2		0.50	0.30	
	Thenmala Division									
4	Fire Awareness Campaigns		Aryankau	Nos	0.25	1		0.25	0.25	
5			Thenmala	Nos	0.25	1		0.25	0.25	
	Ranni Division									
6	Fire Awareness Campaigns		Division	Nos.	0.25	2		0.50	0.36	
	Thiruvananthapuram Division									
7	Fire Awareness Campaigns		3 Ranges	Nos.	0.25	2		0.50		
	Konni Division									
8	Fire Awareness Campaigns		Konni, Naduvathum oozhi, Mannarappara	Nos.	0.25	2		0.50		
Subtotal						12	0	3.00	1.16	
	High Range Circle, Kottayam									
	Kottayam Division									
9	Fire Awareness Campaigns	N 09°45' 31.73" E 077°03' 39.38"	Ayyappankovil				1		0.1754	

10	Fire Awareness Campaigns	N 09° 33' 25.13" E 076° 59' 04.03"	Kumaly	Nos.	0.25	2	2	0.50	0.1273
11	Fire Awareness Campaigns	N 09° 44' 53.03" E 076° 53' 57.18"	Nagarampara				1		0.1577
Kothamangalam Division									
12	Fire Awareness Campaigns		Kaliyar						
13	Fire Awareness Campaigns		Thodupuzha						
14	Fire Awareness Campaigns		Mullaringadu	Nos.	0.25	2		0.50	0.49
15	Fire Awareness Campaigns		Kothamangalam						
Mankulam Division									
16	Fire Awareness Campaigns		Various location in Mankulam Range						
17	Fire Awareness Campaigns		Karimunda city and Anakulam Town in Anakulam Range	Nos.	0.25	2	2	0.50	0.54311
Marayoor Division									
18	Fire Awareness Campaigns	10 16 39.44 77 09 30.64	Marayoor Division	Nos.	0.25	2		0.50	0.093
Munnar Division									
19	Fire Awareness Campaigns	10° 4'54.23"N 76°50'33.36"E	Elamblasser VSS Neriya Magalam Range						
20	Fire Awareness Campaigns	N 10 00" 58.7 E 76 54"00.4 , N 10 06 48.0 E 076 52 33.00, N 10 02 41.6 E 076 54 53 8	Choorakettan, Kurathikudy, Kodakallu	Nos.	0.25	2		0.50	0.084

21	Fire Awareness Campaigns	10°12'4.42"N 76°57'40.36"E	Edamalakud y AVSS Munnar range						
22	Fire Awareness Campaigns	10° 1'38.06"N 77° 6'8.06"E	Chokkarmud y VSS Devikulam Range						
Subtotal						10	6	2.50	1.67
Central Circle, Thrissur									
Chalakkudy Division									
23	Fire Awareness Campaigns		Pariyaram Range	Nos.	0.25	2	1	0.50	
24	Fire Awareness Campaigns		Vellikulanga ra Range						
25	Fire Awareness Campaigns		Palappilly Range						
Vazhachal Division									
26	Fire Awareness Campaigns		All Ranges	Nos.	0.25	2		0.50	0.01
Thrissur Division									
27	Fire Awareness Campaigns		Machad range	Nos.	0.25	2	4	0.50	0.21
28	Fire Awareness Campaigns		Pattikkad range						
Malayattoor Division									
29	Fire Awareness Campaigns		All Ranges	Nos.	0.25	2	1	0.50	0.26
Subtotal						8	6	2.00	0.48
Eastern Circle, Palakkad									
Nilambur North Division									

30	Fire Awareness Campaign	N 11° 16' 01.800'' N 11° 16' 28.510'' N 11° 20' 15.756'' N 11 21'33.350'' N 11 26'48.75569'' N 11 18' 41.7'' N 11 17'45.349'' N 11 20 55.03, E 076° 10' 53.800'' E 076° 07' 43.940'' E 076° 10' 41.341'' E 76 13'54.948'' E 76 14'13.7926'' E 76 15' 36.3'' E 76 14'47.004'' E 76 17 26.75	Karikattuma na, Odakkayam, Palakkayam, Kanjirappuz ha, Vaniyampuz ha, Valluvasser y, Panagode, Pothukal & Nellikutthu	Nos.	0.25	2	0	0.50	0.69
Nilambur South Division									
31	Fire Awareness Campaign	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	Nos.	0.25	2	0	0.50	0.43
Mannarkkad Division									
32	Fire Awareness Campaign	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Nos.	0.25	2	0	0.50	0.12
Palakkad Division									

33	Fire Awareness Campaign	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	Nos.	0.25	2	0	0.50	0.08
Nemmara Division									
34	Fire Awareness Campaign	N 10 35 21.38 N 10 36 45.80 E 76 36 21.61 E 76 40 28.00	Nelliyampat hy, Kollengode	Nos.	0.25	2	0	0.50	0.06
Subtotal						10	0	2.50	1.38
Northern Circle, Kannur									
Kasaragod Division									
35	Fire awareness campaigns	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kasaragod & Kanhangad Range	Nos.	0.25	2	1	0.50	0.19
Kannur Division									
36	Fire awareness Campaigns	N11° 49' 637" E 75° 44' 24.1" N11° 47' 923" E 75° 38' 878"	Chembukka vu Poiloor	Nos.	0.25	2	1	0.50	0.05
North Wayanad Division									
37	Fire awareness Campaigns	N11°42' 56.98" E 75° 55' 37.24" N11° 44' 03.38" E 75° 55' 37.24 N 11° 49' 02" E 75° 55' 47"	Begur, Peria & Mananthava dy	Nos.	0.25	2	1	0.50	0.21
South Wayanad Division									
38		N: 11° 75' 059" E: 076° 20' 019"	Irulam & Pulpally FS						

39		N11° 33' 33.5" E 76° 05' 08.2"	Chembra						
40		N11° 29' 41.0" E 76° 08' 43.2"	Elamala						
41		N11° 31' 45.4" E 76° 12' 31.4"	Kadachikun nu						
42	Fire awareness campaign	N.11° 28' 27.7" E 76° 09' 10.6"	Mundakkai	Nos.	0.25	2	6	0.50	0.3
43		N11° 37'41.6" E 75° 59'24.3"	HQ Suganthagiri Section						
44		N 11° 36'53.36" E 76° 04'27.50"	HQ Kalpetta Section						
45		N 11° 39'43.5" E 75° 56'31.0"	HQ Padinharath ara Section						
				Subtotal		8	9	2.00	0.75
ABP Circle									
Schenduroney Division									
46	Fire Awareness Campaigns	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	Nos.	0.25	2	3	0.50	0.15
47	Fire Awareness Campaigns	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	Nos.	0.25	2		0.50	
48	Fire Awareness Campaigns	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	Nos.	0.25	2		0.50	
Thiruvananthapuram WL Division									
49	Fire Awareness Campaigns	N8 °54' 489" E 77 ° 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	Nos.	0.25	2		0.50	
				Subtotal		8	3	2.00	0.15
FD PT Kottayam									

Periyar East Division									
50	Fire Awareness Campaigns	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' , 77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	Nos.	0.25	2	2	0.50	0.64
Periyar West Division									
51	Fire Awareness Campaigns	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha & Pampa Ranges	Nos.	0.25	2	2	0.50	0.35
Subtotal						4	4	1.00	0.99
Wildlife Palakkad									
Silent Valley Division									
52	Fire Awareness Campaigns	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	Nos.	0.25	2		0.50	
Aralam Division									
53	Fire Awareness Campaigns	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	Nos.	0.25	2		0.50	
Parambikulam Division									
54	Fire Awareness Campaigns	76.66041, 10.38496, 76.62050, 10.38400 N 10 23 395 , E 076.40 275	PKMTR	Nos.	0.25	2	2	0.50	0.25
Peechi Division									

55	Fire Awareness Campaigns	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50" N 10o42.713' 10o43.962' E 76o27.407' 76o29.899	Peechi, Chimmony and Chulannur WLS	Nos.	0.25	2		0.50	
Wayanad WL Division									
56	Fire Awareness Campaigns	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	Nos.	0.25	2		0.50	
Subtotal						10	2	2.50	0.25
Social Forestry (SR) Kollam									
Thiruvananthapuram SF Division									
57	Fire awareness campaigns	08°53'43"N 76°99'07"E	Thiruvananthapuram	Nos.	0.25	2		0.50	
58	Fire awareness campaigns	08°23'54.6"N 77°05'09.24"E	Neyyattinkara						
59	Fire awareness campaigns	08°41'52.2"N 76°48'52.4"E	Attingal						
Kollam SF Division									
60	Fire awareness programme and classes	08°59'38.324"N 76°46'24.416"E	Punalur	Nos.	0.25	2		0.50	
61	Fire awareness programme and classes	08°55'27.221"N 77°00'00.00"E	Kulathupuzha						
Pathanamthitta SF Division									
62	Fire awareness campaigns	09°12'49"N 76°51'02"E	Konni SF Range	Nos.	0.25	2		0.50	
63	Fire awareness campaigns	09°23'14"N 76°47'27"E	Ranni SF Range						
Kottayam SF Division									
64	Fire awareness campaigns	09°41'18.50"N 76°25'7.71"E 09°46'31.52"N 76°84'7.70"E	Kottayam & Ponkunnam Range	Nos.	0.25	2		0.50	

	Subtotal					8	8	2.00	0.56
Social Forestry (CR) Ernakulam									
Ernakulam SF Division									
65	Fire Awareness Campaigns	N 9° 52' 20.53" E 76° 21' 59.68"	Ernakulam	Nos.	0.25	1	1	0.49	0.49
66	Fire Awareness Campaigns	N 10° 06' 25.02" E 76° 28' 25.17"	Perumbavoor						
NSC Kalady									
67	Fire awareness camp			Nos.	0.25	1	1	0.10	0.09
Subtotal						2	2	0.59	0.58
Social Forestry (NR) Kozhikode									
Wayanad SF Division									
68	Fire awareness campaigns		Mananthavady	Nos.	0.25	2		0.50	
69	Fire awareness campaigns		Bathery & Kalpetta						
Kasaragode SF Division									
70	Fire awareness campaigns		Kasaragod and Hosdurg Range	Nos.	0.25	2		0.50	
Kannur SF Division									
71	Fire awareness campaigns		Thalassery Range	Nos.	0.25	2		0.50	
72	Fire awareness campaigns		Kannur Range						
Subtotal						6	0	1.50	0
HRD									
Arippa									
73	Fire awareness campaigns	N 08 50 17.95 E 077 01 52.64	Arippa	Nos.	0.25	2		0.50	
Walayar									
74	Fire awareness campaigns		Walayar	Nos.	0.25	2		0.50	
Subtotal						4	0	1.00	0
Total						92	40	23.00	7.97
c	Fire Fighting Equipments								
Southern Circle, Kollam									
Achenkovil Division									

1	Fire Fighting Equipments	N 9° 06' 05.10'' E 77° 08' 20.6'	Achenkovil	LS	LS	LS	LS	2.00	2.31	
Ranni Division										
2	Fire Fighting Equipments		Division	LS	LS	LS	LS	1.50		
Thiruvananthapuram Division										
3	Fire fighting equipments		3 Ranges	LS	Ls	Ls	LS	2.00	1.74	
Konni Division										
4	Fire Fighting Equipments		Konni, Naduvathum oozhi, Mannarappa ra	LS	LS	LS	LS	2.00		
				Subtotal			LS	LS	7.50	4.05
High Range Circle, Kottayam										
Kottayam Division										
5	Fire Fighting Equipments	N 09°45' 31.73" E 077°03' 39.38"	Ayyappankovil	LS	LS	LS		0.75	0.75	
6	Fire Fighting Equipments	N 09° 33' 25.13" E 076° 59' 04.03"	Erumeli	LS	LS	LS		0.75	0.75596	
7	Fire Fighting Equipments	N 09° 33' 25.13' E 076° 59' 04.03"	Kumaly	LS	LS	LS		0.75		
8	Fire Fighting Equipments	N 09° 44' 53.03" E 076° 53' 57.18"	Nagarampara	LS	LS	LS		0.75	0.365	
Kothamangalam Division										
9	Fire Fighting Equipments		Kaliyar	LS	LS	LS		0.75	1.79189	
10	Fire Fighting Equipments		Thodupuzha	LS	LS	LS		0.75		
11	Fire Fighting Equipments		Mullaringadu	LS	LS	LS		0.75		
12	Fire Fighting Equipments		Kothamangalam	LS	LS	LS		0.75		
Mankulam Division										
13	Fire Fighting Equipments		Mankulam	Ls	Ls	Ls		1.50	1.49299	
14	Fire Fighting Equipments		Procurement of fire fighting equipments in Anakulam - Range	Ls	Ls	Ls		1.50	1.49549	
Marayoor Division										

15	Fire Fighting Equipments	10 16 39.44 77 09 30.64	Marayoor Division	Nos	0.10	20		2.00	1.9
	Munnar Division								
16	Fire Fighting Equipments	10° 4'54.23"N 76°50'33.36"E	Elamblasser y VSS Neriyamagal am Range	Nos	0.45	1		0.45	0.3
17	Fire Fighting Equipments	N 10 00" 58.7 E 76 54"00.4 , N 10 06 48.0 E 076 52 33.00, N 10 02 41.6 E 076 54 53 8	Chooraketta n, Kurathikudy , Kodakallu	Nos	0.45	1		0.45	0.35218
18	Fire Fighting Equipments	10°12'4.42"N 76°57'40.36"E	Edamalakud y AVSS Munnar range	Nos	0.45	1		0.45	1.10408
19	Fire Fighting Equipments	10° 1'38.06"N 77° 6'8.06"E	Chokkarmud y VSS Devikulam Range	Nos	0.45	1		0.45	
					Subtotal			12.80	10.31
	Central Circle, Thrissur								
	Chalakkudy Division								
20	Fire Fighting Equipments		Pariyaram Range	LS	LS	LS		1.00	2.52
21	Fire Fighting Equipments		Vellikulanga ra Range	LS	LS	LS		1.00	
22	Fire Fighting Equipments		Palappilly Range	LS	LS	LS		1.00	
	Vazhachal Division								
23	Fire Fighting Equipments		All Ranges	LS	LS	LS		3.00	2.36
	Thrissur Division								
24	Fire Fighting Equipments		Machad range for all stations	LS	LS	LS		1.50	2.63
25	Fire Fighting Equipments		Pattikkad range for all stations	LS	LS	LS		1.50	
	Malayattoor Division								

26	Fire Fighting Equipments		All Ranges	LS	LS	LS		3.00	3.24
				Subtotal		LS	LS	12.00	10.75
	Eastern Circle, Palakkad								
	Nilambur North Division								
27	Fire Fighting Equipments	N 11 21'33.350" N 11 26'48.75569" N 11 18' 41.7" N 11 17'45.349" N 11 23 06.53, N 11 24 58.44, E 76 13'54.948" E 76 14'13.7926" E 76 15' 36.3" E 76 14'47.004" E 76 21 17.65 E 76 15 34.27	Edakkode FS, Kodumpuzh a FS Akampadam FS, Kanjirapuzh a FS, Vaniyampuz ha Forest Station Walluvasser y Section, Panayangod e Section, Pothukal & Nellikuth FS	Nos	1.00	3		3.00	1.25
	Nilambur South Division								
28	Fire Fighting Equipments	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	Nos	0.60	3	3	1.80	1.75
	Mannarkkad Division								
29	Fire Fighting Equipments	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Nos	LS	LS	0	3.00	0.25
	Palakkad Division								

30	Fire Fighting Equipments	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	Nos	0.33	3	11	1.00	0.78
Nemmara Division									
31	Fire Fighting Equipments	N 10 35 21.38 N 10 36 45.80 N 10 34 24.90 E 76 36 21.61 E 76 40 28.00 E 76 44 56.50	Nelliyampat hy, Kollengode, Alathur	Nos	0.50	3	2	1.50	2.17
Subtotal						12	16	10.30	6.2
Northern Circle, Kannur									
Kasaragod Division									
32	Fire fighting Equipments	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452" N 12° 30' 7.7508" E 75° 5' 20.7276"	Kasaragod & Kanhangad Range	Unit	LS	LS	Ls	3.00	2.584
Kannur Division									
33	Fire fighting Equipments	N11° 50' 561" E 75° 39' 337" N11° 51' 199" E 75° 44' 482"	Kannavam Section Nedumpoyil Section	Unit	LS	LS	Ls	3.00	0.8
North Wayanad Division									

34	Fire fighting Equipments	N11°42' 56.98" E 75° 55' 37.24" N11° 44' 03.38" E 75° 55' 37.24	Begur, Peria & Mananthava dy	Unit	LS	LS	Ls	3.00	1.091
		N11° 50' 20.19" E 75° 54' 31.21"							
South Wayanad Division									
35	Fire fighting Equipments	N: 11 75 059 E: 076 20019	Irulam & Pulpally FS	Unit	LS	LS	Ls	3.00	1.971
		N11 33 50.7 E76 07 48.6	Meppady						
		N11°36'53.36" E76°04'27.50"	Kalpetta Range						
Subtotal							0.00	12.00	6.45
ABP Circle									
Schenduruney Division									
36	Fire Fighting Equipments	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	Nos.	1.00/E	1		1.00	
37	Fire Fighting Equipments	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	Nos.	1.00/E	1		1.00	
38	Fire Fighting Equipments	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	Nos.	1.00/E	1		1.00	
Thiruvananthapuram WL Division									
39	Fire Fighting Equipments	N8 °54' 489" E 77 ° 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	Nos.	10000/ each	50	246	3.00	2.22
Subtotal						53	246	6.00	2.22
FD PT Kottayam									
Periyar East Division									

40	Fire Fighting Equipments	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' , 77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	LS	LS	LS	LS	3.00	1.84
Periyar West Division									
41	Fire Fighting Equipments	N 9.57113322135° E 76.99433431390° N 9.43530571053° E 76.94728230020°	Azhutha & Pampa Ranges	LS	LS	LS	LS	3.00	2.69
Subtotal								6.00	4.53
Wildlife Palakkad									
Silent Valley Division									
42	Fire Fighting Equipments	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	LS	LS	LS	123	2.00	3.73
Aralam Division									
43	Fire Fighting Equipments	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	LS	LS	LS	26	1.00	1
Parambikulam Division									
44	Fire Fighting Equipments	76.66041, 10.38496, 76.62050, 10.38400 N 10 23 395 , E 076.40 275	PKMTR	LS	LS	LS	90	2.00	2.02
Peechi Division									

45	Fire Fighting Equipments	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50" N10o42.713' 10o43.962' E76o27.407' 76o29.899	Peechi, Chimmony and Chulannur WLS	LS	LS	LS	138	2.00	1.99	
Wayanad WL Division										
46	Fire Fighting Equipments	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	LS	LS	LS	6	2.00	2.5	
Subtotal							383.00	9.00	11.24	
Social Forestry (CR) Ernakulam										
NSC Kalady										
47	Fire Fighting Equipments	Kurisumudy	LS	LS	LS	LS	LS	1.00	0.96	
Subtotal							0.00	0.00	1.00	0.96
HRD										
Arippa										
48	Fire Fighting Equipments	N 08 50 17.95 E 077 01 52.64	Arippa	LS	2.00	LS		2.00	2	
Walayar										
49	Fire Fighting Equipments		Walayar	LS	2.00	LS		2.00	1.99	
Subtotal								4.00	3.99	
Total					89 Nos + LS			80.60	60.69	
d Creation Of Fire Break										
Southern Circle, Kollam										
Punalur Division										
1	Creation of fire break	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapura m	Km	0.175/Eac h	10		3.50	5.75	
2	Creation of fire Break	N 9° 5' 26" E 76° 51' 21"	Anchal	Km	0.175/Eac h	10		3.50	5.5	
Thenmala Division										

3	Creation of fire break	N080 57' 33.8" E077 06' 34.6"	Kadamanpara	Km	0.19	10		1.90	1.9
4	Creation of fire break	N09 57' 43.0" E77 07' 07" N09 58' 47.3" E77 06' 9"- N 080 53' 57" E 0770 01' 57"	Thenmala, Edamon and Kalluvaram bu Section	Km	0.19	10	2.99	1.90	1.9
Ranni Division									
5	Creation of fire break	N 9 ⁰ 19' 44.4" E 76 ⁰ 55' 41.8"	Ranni	30 Km	0.18	10	30	5.24	4.61
6	Creation of fire break	N 9 ⁰ 10' 18.5" E 77 ⁰ 0' 19.5"	Vadasserik ara	30 Km	0.18	10		1.75	1.75
7	Creation of fire break	N 9 ⁰ 15' 28" E 76 ⁰ 55' 32.8"	Goodrical	40 Km	0.18	10		1.75	1.25
Thiruvananthapuram Division									
8	Creation of firebreak	08 53 37.56 077 03 39.16	Vallakkada vu to Rock wood coupe road in Mylamoodu section	km					
9	Creation of firebreak	08 50 39.28 077 04 16.10	Choolady - Seventh Number coupe road in Mylamoodu section	km					

10	Creation of firebreak	08 52 38.10 077 04 13.6	Poovanathu moodu to Nedumkundu Reserve coupe road in Mylamoodu section	km
11	Creation of firebreak	08 51 04.50 077 02 14.10	Chozhiyaco de to Kanjirathin moodu coupe road in Sankily section	km
12	Creation of firebreak	08 48 58.80 077 03 48.37	Muppathady to Anchanakoppam coupe road in Sankily section	
13	Creation of firebreak	08 48 44.03 07705 17.53	Anchanakoppam to Sankily coupe road in Sankily section	km

14	Creation of firebreak	08 48 45.76 077 07 33.08	Boundary thadam to Venkottamodu coupe road in Thekkumala section	km
15	Creation of firebreak	08 48 18.99 077 01 15.28	Around Kulatharakai Reserve in Chittar North	km
16	Creation of firebreak	08 48 29.94 077 01 07.91	Around Veliyankala Reserve in Chittar North	km
17	Creation of firebreak	N8 42 49.3 E77 5 19.7	RF area at kallankudi	Km
18	Creation of firebreak	N8 43 3.5 E77 5 26.1	2016 Medicinal tree species at Murikkinkala	Km
19	Creation of firebreak	N 8 42 49.8 E 77 5 20.1	2015 Medicinal plantation at Chempikunnu	Km
20	Creation of firebreak	N8 44 38.7 E77 3 49.9	2008 Medicinal tree species plantation at Chittar-Mullachal	Km

0.18

30

5.25

28	Creation of firebreak	N08 43 22.4 E077 02 34.5	2011 NMPB Plantation at Puliyur	Km				
29	Creation of firebreak	N08 43 11.8 E077 02 31.5	2011 NMPB Plantation at Kottiyamko nam	Km				
30	Creation of firebreak	N08 43 32.6 E077 02 05.7	2012 NMPB Plantation at Pottanchira	Km				
31	Creation of firebreak	N08 43 47.5 E077 02 21.4	2013 NMPB Plantation at Panachakun nu	Km				
32	Creation of firebreak	N08 43 05.7 E077 02 49.6	2014 NMPB Plantation at Narayakunn u	Km				
33	Creation of firebreak	08 40 18.3 077 07 04.5	Appinkavu Area in Vithura Section	km				
34	Creation of firebreak	08 41 47.0 077 08 30.1	Nalumaruthi nmoodu- Aruppinchol ai area in Vithura Section	km				
Konni Division								

35	Creation of fire break	90 12' 8.76" 90 12' 3.3" 90 13' 56" 90 07' 39.81" 90 06' 50.46" 90 10' 37.19" 90 12' 52.47" 76054'6.97" 76055'35.6" 76054'21" 77001'32.96" 77003'59.23" 76056'48" 76057'49.97"	Konni, Naduvathum oozhi, Mannarappa ra	Km	0.18	30		5.25	5.31
Subtotal						130	32.99	30.04	27.97
High Range Circle, Kottayam									
Kottayam Division									
36	Création of fire break	1.N 09 43' 24.83" E 077 00' 10.66" 2. N 09 43' 17.78" E 076 59' 52.12" 3. N 09 43' 24.80" E 077 00' 10.83" 4. N 09 43' 01.11" E 077 00' 28.15" 5. N 09 43' 01.69" E 077 00' 28.37" 6. N 09 43' 25.25" E 077 00' 28.11" 7. N 09 43' 24.09" E 077 00' 28.72"	Kallar TP	KM	0.18	5	9.75	0.88	1.8181
37	Création of fire break	N 9* 38'09.18" E 77*03'35.13"	Moonkalar	K.m	0.18	4	3.95	0.70	0.65491

38	Création of fire break	N-09° 50' 44.47'' E-076° 57' 34.39'' N- 09° 50' 7.90'' E-076° 55' 37.10''	Paremavu- Kulamavu	km	0.18	25	3	4.38	1.1004
Kothamangalam Division									
39	Création of fire break		Kaliyar	Km	0.18	30		5.25	5.88159
40	Création of fire break		Thodupuzha						
41	Création of fire break		Mullaringadu						
42	Création of fire break	N10° 07' 33.843 E76041' 04.228	THATTEK KAD ROAD	KM					
43	Création of fire break	N10° 06' 42.132 E76040' 15.136	KALAPPA RA	KM					
44	Création of fire break	N10006' 42.132 E76040' 15.136	1996 TP THATTEK KAD	KM					
45	Création of fire break	N10006' 32.377 E76040' 26.401	1952 TP THATTEK KAD Kothamangalam	KM					
Mankulam Division									
46	Création of fire break		High fire prone areas in Mankulam Range	Km	0.18	20	20	3.50	2.23306
47	Création of fire break		High fire prone areas in Anakulam Range	Km					1.614
Marayoor Division									
48	Création of fire break	10 16 39.44 77 09 30.64	Marayoor Division	Km	0.18	30	15.25	5.25	5.85775
Munnar Division									

49	Création of fire break	10° 4'54.23"N 76°50'33.36"E	Elamblasser y VSS Neriyamagal am Range	KM	0.18	30	5.25	1.4922	
50	Création of fire break	N 10 00" 58.7 E 76 54"00.4 , N10 06 48.0 E076 52 33.00, N10 02 41.6 E076 54 53 8	Chooraketta n, Kurathikudy , Kodakallu	km					
51	Création of fire break	10°12'4.42"N 76°57'40.36"E	Edamalakud y AVSS Munnar range	KM					
52	Création of fire break	10° 1'38.06"N 77° 6'8.06"E	Chokkarmud y VSS Devikulam Range	KM					0.16994
Subtotal						144	51.95	25.20	20.82
Central Circle, Thrissur									
Chalakkudy Division									
53	Création of fire break		Pariyaram Range	Km	0.18	30	34	5.25	2.91
54	Création of fire break		Vellikulanga ra Range	Km					
55	Création of fire break	N 10' 26' 54.07 E 0.76' 24' 55.20 N 10' 25' 09.67 E 0.76' 26' 23.00 N 10' 23' 37.60 E 0.76' 26' 28.15 N 10' 25' 21.90 E0.76' 24' 02.77	1) Kottambi 2) Polikallu 3) Mukkanamk uthu 4) Elikodu	Km					
Vazhachal Division									

56	Création of fire break		Kannankuzhy Block	km	0.18	30	25	5.25	5.26
57	Création of fire break	(1) N 10 17 58.05" E 076 38 29.08" (2) N 10 17 58.61 E 076 38 30.50"	Pokalappara Block	km					
58	Création of fire break	N 10 ° 18' 06.1'' E 76 ° 36' 47.0''	Repra Block	km					
59	Création of fire break	N 10 ° 16' 40.48'' E 76 ° 41' 44.39''	Thadimudi Block	km					
60	Création of fire break	N 10 ° 18' 45.6'' E 76 ° 42' 39.9''	Kummatti Block	km					
61	Création of fire break	N 10 ° 16' 31.30'' E 76 ° 42' 59.69''	Mechappilly Block	km					
62	Création of fire break	N 10 ° 18.' 7.41'' E 76 ° 41' 40.42''	Ambalappara Block	km					
Thrissur Division									
63	Création of fire break		Wadakkanchery Range range for all stations	KM	0.18	30		5.25	
64	Création of fire break		11 Blocks of Pattikkad Range	KM					
Malayattoor Division									
Subtotal						90	59	15.75	8.17
Eastern Circle, Palakkad									
Nilambur North Division									

67	Création of fire break	N 11 16' 14.7" N 11 18' 47.1" N 11 16' 34.715" N 11 16' 17.4" N 11 19' 47.7" N 11 20' 15.084" N 11° 19' 47.530" N 11° 20' 27.310" N 11° 19' 49.667" N 11° 20' 15.756" N 11° 16' 28.5" N 11° 17' 45.3" N 11 23 19.04, N 11 23 38.40, N 11 21' 33.350" N 11 26' 48.7556" N 11 18' 41.7" N 11 17' 45.349" E 76 10' 57.01" E 76 11' 21.7" E 76 11' 08.516" E 76 12' 09.7" E 76 11' 39.8" E 76 13' 21.382" E 76° 11' 38.985" E 76° 10' 43.451" E 76° 11' 34.021' E 76° 10' 41.341" E 76° 08' 39.3"	Thudipoyil - Peruvampadam(EFS) Pullundapoyil - Mylamkuth(EFS) Kallunda - Adyanpara (AFS) H Block Tharamutta (AFS) Okkad - Palakkadavu (AFS) Varikkal - Thanuppanchola (KFS) Pothukal & Nellikuth FS Kanjirapuzha Forest Station Vaniyampuzha Forest Station Walluvasser	Km	0.18	45		7.88	6.57
Nilambur South Division									
68	Creation of fireline/ fire - break	N 11 05 0.00 N 11 26 0.00E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	Km	0.18	28	28	4.90	5.72
Mannarkkad Division									
69	Création of fire break	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Km	0.18	45	0	7.88	8.87
Nemmara Division									

70	Création of fire break	N 10 32 21.25 N 10 31 33.97 N 10 32 15.495 N 10 32 12.926 N 10 32 42.40 N 10 30 26.43 N 10 31 59.80 N 10 33 13.40 N 10 34 24.90 E 76 37 16.40 E 76 37 14.48 E 76 34 00.381 E 76 33 23.671 E 76 33 37.80 E 76 34 36.44 E 76 40 46.50 E 76 49 46.40 E 76 44 56.50	Pothundy- Cherunelli, Veettichodu - Thalippada m, 2015 TP, Myladumpar utha 2017 TP, Kanthalam to Mappilapott a, Ovupara to Chellikkaya m, Kaikatti to Cherunelli, Chemmana mpthy to Kalliyampar a	Km	0.18	45	0	7.88	6.61
Subtotal						163	28.00	28.53	27.77
Northern Circle, Kannur									
Kasaragod Division									
71	Création of fire break	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452" N 12° 30' 7.7508" E 75° 5' 20.7276"	Kasaragod & Kanhangad Range	Km	0.18	20	0	3.50	1.9
Kannur Division									

72	Création of fire break	N11° 50' 149" E 75° 41' 216" N11° 48' 318" E 75° 41' 787" N11° 50' 391" E 75° 41' 143" N11° 50' 194" E 75° 42' 889"	Panniyode- Narikkode Changalagat e- Peruva Thaliparamb a	Km	0.18	40	0	7.00	0
North Wayanad Division									
73	Création of fire break	N11° 42' 50.98" E 75° 55' 37.24" N11° 44' 02.28"	Begur, Peria& Mananthoya	Km	0.18	45	43	7.88	7.81
South Wayanad Division									
74	Création of fire break	N: 11 74 5588 E: 076 218 340	Moonanaku zhy Pambra irulam FS	Km	0.18	45	26.85	7.88	5.54
75		N: 11 720 74 E: 076 207 47	Maramala Irulam FS	Km					
76		N: 11 76 974 E:076 21741	Anapanthy irulam Fs	Km					
77		N11 33 21.1 E76 03 54.1	Veettikkunn u area	Km					
78		N11 31 58.7 E76 13 39.1	Shekaranku ndu	Km					
79		N11 28 01.0 E76 09 15.4	Pachakkadu	Km					
80		N11 32 35.8 E76 11 44.2	Nasranikkad u	Km					
81		N11 33 26.4 E76 10 01.9	Nallannoor	Km					
82		N11 32 04.0 E76 13 23.0	Murikkinkun nu	Km					
83		N11 31 10.5 E76 08 29.4	Mammikkun nu	Km					
84		N11 28 21.8 E76 08 57.4	Mallika	Km					
85	N11 31 13.8 E76 12 24.4	Kuttikunnu	Km						
86	N11 35 17.3 E76 07 42.3	Kottavayal	Km						

87		N11 30 34.3 E76 08 35.4	Kashmir	Km					
88		N11 35 34.3 E76 07 19.8	Kallumala	Km					
89		N11 30 43.9 E76 07 39.8	Kalladi- Meenakshi	Km					
90		N11 31 25.4 E76 12 49.7	Kadassery	Km					
91	Création of fire break	N11 31 42.1 E76 11 35.4	Kadachikun nu	Km					
92		N11 28 27.7 E76 09 10.6	Mundakkai	Km					
93		N11 33 33.5 E76 05 08.2	Chembra	Km					
94		N11 33 42.6 E76 03 25.4	Ayanimatto m	Km					
95		N11 29 39.9 E76 10 58.9	Attamala	Km					
96		N11 30 33.4 E76 06 50.3	Aranamala	Km					
97		N11 31 56.8 E76 01 51.1	Arunagiri	Km					
98		N11 33 30.6 E76 03 59.9	Anappara	Km					
99		Subtotal					150	69.85	26.25
	ABP Circle								
	Schenduruney Division								
100	Création of fire break	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	Km					
101	Création of fire break	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	Km	0.18	20	10	3.50	3.45
102	Création of fire break	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	Km					
	Thiruvananthapuram WL Division								

103	Création of fire break	N8 0'54' 489" E 77 0' 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	km	0.18	20		3.50	
Subtotal						40	10	7.00	3.45
FD PT Kottayam									
Periyar East Division									
104	Création of fire break	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' 77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	Km	0.18	30	14	5.25	3.91
Periyar West Division									
105		N 09° 27' 43.01" E 077° 05' 15.72" N 09° 31' 25.71" E 077° 06' 52.81"	Uppupara- Seethakullam						
106		N 09° 31' 33.2" E 077° 06' 42.6" N 09° 30' 35.9" E 077° 05' 19.6"	Vallakadavu -Sathram						
107		N 09° 31' 12.22" E 077° 06' 08.85" N 09° 31' 30.58" E 077° 06' 40.51"	1965 Plantation						
108		N 09° 27' 43.01" E 077° 05' 15.72" N 09° 28' 28.36" E 077° 04' 56.92"	Uppupara- Poomkavanna m						

109		N 09° 31' 21.70" E 077° 06' 39.75" N 09° 30' 58.09" E 077° 06' 19.52"	Karippety Shola						
110		N 09° 30' 31.51" E 077° 05' 41.94" N 09° 30' 45.48" E 077° 06' 2.16"	Ottakkalther y						
111		N 09° 30' 31.51" E 077° 05' 41.94" N 09° 30' 45.48" E 077° 06' 2.16"	Mulamkanna m shola						
112	Création of fire break	N 09° 31' 25.71" E 077° 06' 52.81" N 09° 31' 26.03" E 077° 06' 37.01"	Seethakulam Shola	Km	0.18	30	30	5.25	2.02
113		N 09° 29' 26.31" E 077° 07' 57.33" N 9° 36' 16.85" E 077° 07' 09.53"	2 nd Mile-4 th Mile						
114		N 09° 28' 24.3" E 077° 05' 38.6" N 077° 29' 26.3" E 077° 07' 57.33"	4 th Mile to Uppupara						
115		N 09° 24' 20.6" E 077° 06' 46.6" N 09° 29' 68.1" E 077° 05' 44.8"	Jollymala to Seethakullam						

116		N 09° 27' 838" E 077° 58' 173" N 09° 27' 659" E 077° 00' 770"	Mukkuzhy to Thadithodu						
117		N 09° 27' 838" E 077° 58' 173" N 09° 27' 839" E 0760 58' 172"	Mukkuzhi to Paranthodu						
118		N 09° 23' 07.90 E 077° 08' 58.73 N 09° 23' 21.16 E 077° 09' 21.44	Checkpoint - IB KSEB						
119		N 09° 23' 21.66" E 077° 09' 21.44" N 09° 23' 42.08" E 077° 09' 08 .91"	KSEB IB - Dormitory						
120		N 09° 26' 46.61" E 077° 09' 12.5" N 09° 26' 11.80" E 077° 09' 02.53"	10th Mile - pachakkana m						
Munnar WL Division									
121	Création of fire break	N 10°5' 6.71" E 77° 3'29.53" N 10° 8' 13.47" E 77° 15'15.88" N 10° 21' 11.95" E 77° 13'12.96"	SNP/ENP/C WS	Km	0.18	30	8	5.25	2.29
Subtotal						90	52	15.75	8.22
Wildlife Palakkad									
Silent Valley Division									
122	Création of fire break	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	Km	0.18	20	8.78	3.50	3.31
Aralam Division									

123	Création of fire break	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	Km	0.18	17	1.8	2.98	0.58
Parambikulam Division									
124	Création of fire break	76.80870, 10.44624, 76.79247, 10.48270, 76.83680, 10.52317, 76.76485, 10.41556, 76.82428, 10.40914	Vengoli, Parambiyar, Anappady, Elathode, Peruvari, Chettivara sections.	Km	0.18	30	5.1	5.25	2.04
Peechi Division									
125	Création of fire break	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50" N10o42.713' 10o43.962' E76o27.407' 76o29.899	Peechi, Chimmony and Chulannnur WLS	Km	0.18	30	19.8	5.25	5.36
Wayanad Division									
126	Création of fire break	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	Km	0.18	30	40	5.25	5.21
Subtotal						127	75.48	22.23	16.5
Social Forestry (CR) Ernakulam									
Ernakulam SF Division									
127	Création of fire break	N 10 12.843 E 076 30.038	Maniyampar a	Km	0.18	8		1.40	
128	Création of fire break	N 10 12 993 E 076 30 780	Kurisumudy	Km	0.18	11		1.93	

129	Création of fire break	N 10 11 495 E 076 30 830	Arattukadavu	Km	0.18	8		1.40	
Subtotal						27	0	4.73	0
Total						961	379.270	172.01	128.152
(viii) Human-Animal Conflict Mitigation									
a Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility									
Southern Circle, Kollam									
Konni Division									
1	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility		Kalanjoor	No.	10	1		10.00	3.57
Subtotal						1	0	10.00	3.57
High Range Circle, Kottayam									
Munnar Division									
2	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	10° 4'26.68"N, 77° 5'59.31"E	Central Nursery Devikulam	Ls	Ls	1		5.00	0.04
Subtotal						1	0	5.00	0.04
Central Circle, Thrissur									
Subtotal								5.00	0.17
Eastern Circle, Palakkad									
Palakkad Division									
3	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	N 10 52 51.40 E 76 39 08.90	Olavakkode	Nos	4	1		4.00	0
Subtotal						1	0	4.00	0
Northern Circle, Kannur									
Kannur Division									
4	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	N 11° 57' 42.8148" E 75° 47' 14.2944"	Aralam farm - Kottiyoore Range	Nos	5.00	1	0	5.00	0
Kozhikode Division									
5	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	N 11° 29' 18.6" E 75° 55' 56.2"	Thamarassery	Nos	5.00	1	1	5.00	2.1

Treatment of w

				Subtotal		2	1	10.00	2.1
	FD PT Kottayam								
	Periyar East Division								
7	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility		Thekkady	Ls	Ls	Ls	Ls	43.00	36.12
				Subtotal				43.00	36.12
	Wildlife Palakkad								
	Wayanad WL Division								
8	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	N 11 35' 49" E 76 13' 27"	Kurichiat	Nos	50.00	1	1	50.00	53.36
				Subtotal		1	1	50.00	53.36
	Social Forestry (CR) Ernakulam								
	NSC Kalady								
9	Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility	N10 11.6 08 E 76 31.85 1	Kaprikkad	LS	LS	443 MM	443 MM	3.00	3.01
				Subtotal		ls		3.00	3.01
				Total		6	2	125.00	98.20
b	Purchase of Equipments / Ration for Rapid Response Teams								
	Southern Circle, Kollam								
	Punalur Division								
1	Purchase of Equipments for RRT	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	LS	LS	LS		1.00	
2	Purchase of Equipments for RRT	N 9° 5' 26" E 76° 51' 21"	Anchal	LS	LS	LS		1.00	
	Ranni Division								
3	Purchase of Equipments for RRT		Ranni	LS	LS	LS		5.00	
	Thiruvananthapuram Division								
4	Purchase of Equipments for RRT		Paruthipally	LS	LS	LS		1.50	1.82
5	Purchase of Equipments for RRT		Palode	LS	LS	LS		1.50	
6	Purchase of Equipments for RRT		Kulathupuzha	LS	LS	LS		0.60	

	Konni Division								
9	Purchase of Equipments RRT		Konni, Naduvathum oozhi, Mannarappa ra	LS	LS	LS		3.00	
	Subtotal							13.60	1.82
	High Range Circle, Kottayam								
	Kottayam Division								
10	Purchase of Equipments RRT	N 09* 33' 25.13" E 076* 59' 04.03"	Kumaly	LS	LS	LS		1.00	0.94754
	Kothamangalam Division								
11	Purchase of Equipments RRT		Kaliyar	LS	LS	LS		4.00	0.144
12	Purchase of Equipments RRT		Thodupuzha						
13	Purchase of Equipments RRT		Mullaringad u						
	Marayoor Division								
14	Purchase of Equipments RRT	10 16 39.44 77 09 30.64	Marayoor Division	LS	LS	LS		2.70	0.44
	Munnar Division								
15	Purchase of Equipments RRT	10° 4'2.63"N 77° 5'51.88"E	RRT Devikulam Range	LS	LS	LS		5.00	5.48042
	Subtotal							12.70	7.01
	Central Circle, Thrissur								
	Chalakkudy Division								
16	Purchase of Equipments RRT		Pariyaram Range	LS	LS	LS		1.00	0.5
17	Purchase of Equipments RRT		Vellikulanga ra Range	LS	LS	LS		0.50	
18	Purchase of Equipments RRT		Palappilly Range	LS	LS	LS		1.00	
	Vazhachal Division								
19	Purchase of Equipments RRT		Vazhachal & Athirappilly	LS	LS	LS		4.00	
	Thrissur Division								
20	Purchase of Equipments RRT		Machad Range for all stations	LS	LS	LS		2.50	0.1

	Malayattoor Division								
21	Purchase of Equipments RRT		Kodanad	LS	LS	LS		4.00	4.46
	Subtotal							13.00	5.06
	Eastern Circle, Palakkad								
	Nilambur North Division								
22	Purchase of Equipments RRT	N 1116'01.838" E 76 12'38.989"	Rapid Response Team Nilambur	LS	LS	LS	0	3.00	0.11
	Mannarkkad Division								
23	Purchase of Equipments RRT	N 10 52 53.20 E 76 44 51.33	Mannarkkad	LS	LS	LS	0	4.00	0
	Palakkad Division								
24	Purchase of Equipments RRT	N 10 52 51.40 E 76 39 08.90	Olavakkode	LS	LS	LS	0	0.50	0.44
	Nemmara Division								
25	Purchase of Equipments RRT	N 10 35 21.38 N 10 36 45.80 E 76 36 21.61 E 76 40 28.00	Nelliyampathy, Kollengode	LS	LS	LS	0	0.80	0.9
	Subtotal							8.30	1.45
	Northern Circle, Kannur								
	Kasaragod Division								
26	Purchase of Equipments RRT	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kasaragod & Kanhangad Range	LS	LS	LS	0	1.00	0
	Kannur Division								
27	Purchase of Equipments RRT	N 11° 50' 561" E 75° 39' 337" N 11° 51' 199" E 75° 44' 482" N 11° 51' 070" E 75° 54' 74.5" N 12° 02' 05.5" E 75° 47' 81.9" N 11° 58' 521" E 75° 48' 940"	Thaliparamba, Kottiyoor & Kannavam Range	LS	LS	LS	LS	1.00	4.22

	Kozhikode Division								
28	Purchase of Equipments RRT	N 11° 29' 18.6" E 75° 55' 56.2" N 11° 23' 52.68" E 76° 04' 39.13" N 11° 29' 44.24" E 76° 01' 32.30"	Thamarassery, Kuttiady & Peruvannam uzhy Range	LS	LS	LS	LS	1.50	1.61
	North Wayanad Division								
29	Purchase of Equipments RRT	N 11° 50' 20.19" E 75° 54' 31.21"	Begur, Peria & Mananthavady	LS	LS	LS	LS	2.00	1.84
	South Wayanad Division								
30	Purchase of Equipments RRT	11°47'40.4"N 76°10'04.7"E	Chedleth Range	LS	LS	26	LS	3.00	2.2
		N11 33 53.7 E76 07 32.2	Meppady Range						
		N11°36'53.36" E76°04'27.50"	Kalpetta Range						
	Subtotal							8.50	9.87
	FD PT Kottayam								
	Periyar West Division								
30	Purchase of Equipments RRT	N9.57113322135° E76.99433431390°	Azhutha	LS	LS	LS	LS	1.00	1.16
	Subtotal							1.00	1.16
	Wildlife Palakkad								
	Aralam Division								
31	Purchase of Equipments RRT	11.92183 75.79033	Aralam	LS	LS	LS		1.00	0
	Wayanad WL Division								
32	Purchase of Equipments RRT	N 11 35' 49" E 76 13' 27"	Muthanga	LS	LS	LS		1.00	0.65
	Subtotal							2.00	0.65
	Total							59.10	27.02
	Providing field Equipments and medicines for animal rescue and veterinary care facilities								
	Southern Circle, Kollam								
	Punalur Division								

1	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	LS	LS	LS		0.50	
2	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 9° 5' 26" E 76° 51' 21"	Anchal	LS	LS	LS		0.50	
Thiruvananthapuram Division									
3	Providing field Equipments and medicines for animal rescue and veterinary care facilities			No.	0.30	5		1.50	0.26
4				Nos	0.90	1		0.90	
5				Nos	0.80	1		0.80	
6				Nos	0.25	2		0.50	
Konni Division									
7	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Konni, Naduvathum oozhi, Mannarappara	LS	LS	LS		1.00	
				Subtotal				5.70	0.26
High Range Circle, Kottayam									
Kottayam Division									
8	Providing field Equipments and medicines for animal rescue and veterinary care facilities		High Range Circle	LS	LS	1		1.00	0.7
9	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 09°44'01.95" E 076°53'27.77"	Uluppooni	LS	LS	LS		0.50	1.37294
10	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 9°36'18.563" E 77° 09' 45.408"	Chellarcovil	LS	LS	LS		0.50	1.12256
Kothamangalam Division									
11	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Kaliyar	LS	LS	LS		0.50	0.28605
12	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Thodupuzha	LS	LS	LS		0.50	
Marayoor Division									
13	Providing field Equipments and medicines for animal rescue and veterinary care facilities	10 16 39.44 77 09 30.64	Marayoor Division	LS	LS	LS		1.00	0.97669
Munnar Division									

14	Providing field Equipments and medicines for animal rescue and veterinary care facilities	10° 4'2.63"N 77° 5'51.88"E	Munnar Division	LS	LS	LS		1.00	0.35454	
				Subtotal			LS	LS	5.00	4.81
Central Circle, Thrissur										
Chalakkudy Division										
15	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Vellikulangara Range	LS	LS	LS		1.00		
16	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Palappilly Range	LS	LS	LS				
Vazhachal Division										
17	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Athirappilly Range	LS	LS	LS		1.00		
Thrissur Division										
18	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Pattikkad Range for all stations	LS	LS	LS		1.00		
19	Providing field Equipments and medicines for animal rescue and veterinary care facilities		Machad Range	LS	LS	LS				
				Subtotal			LS	LS	3.00	0.00
Eastern Circle, Palakkad										
Nilambur North Division										
20	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 1116'01.838" E 76 12'38.989"	Rapid Response Team Nilambur	LS	LS	LS		1.00	0.42	
Nilambur South Division										
21	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Division	LS	LS	LS	1	1.00	0.99	
Mannarkkad Division										
22	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 10 52 53.20E 76 44 51.33	Mannarkkad	LS	LS	LS		1.00	0.04	
Nemmara Division										

23	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 10 35 21.38 N 10 36 45.80 E 76 36 21.61 E 76 40 28.00	Nellyampathy, Kollengode	LS	LS	LS		1.00	0.36	
				Subtotal			LS	LS	4.00	1.81
Northern Circle, Kannur										
North Wayanad Division										
24	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 11° 42' 56.98" E 75° 55' 37.24" N 11° 44' 03.38" E 75° 55' 37.24"	Begur, Peria & Mananthavady	LS	LS	LS		1.00	0	
South Wayanad Division										
25	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 11° 37' 41.6" E 75° 59' 24.3"	HQ Suganthagiri Section	LS	LS	LS		1.00	0	
				Subtotal				2.00	0.00	
ABP Circle										
Thiruvananthapuram WL Division										
26	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 8° 54' 48.9"	Neeyar, Dumara	LS	LS	LS		1.00	0.09	
				Subtotal			LS	LS	1.00	0.09
Social Forestry (CR) Ernakulam										
Thrissur SF Division										
27	Providing field Equipments and medicines for animal rescue and veterinary care facilities	N 10° 31' 38.5" E 76° 12' 51.3"	Thrissur	LS	LS	LS		1.00	0	
				Subtotal			LS	LS	1.00	0.00
				Total				21.70	6.97	
Engaging Watchers to mitigate human animal conflict										
Southern Circle, Kollam										
Achenkovil Division										
1	Engaging watchers to mitigate human animal conflict	N 9° 05' 3.3" E 77° 07' 7.7"	Achenkovil	MM	0.0074	600		4.44		
Ranni Division										
2	Engaging watchers to mitigate human animal conflict		Nilakkal/Plappally	MM	0.0074	600		4.44	1.48	
Thiruvananthapuram Division										

3	Engaging watchers to mitigate human animal conflict		Palode & Paruthipally	MM	0.0074	600	347	4.44	2.64
Konni Division									
4	Engaging watchers to mitigate human animal conflict		Konni, Naduvathum oozhi, Mannarappa ra	MM	0.0074	600		4.44	
Subtotal						2400	347	17.76	4.12
High Range Circle, Kottayam									
5	Engaging watchers to mitigate human animal conflict		ACF,SIP,Ko ttyayam	MM	0.0074	320		2.37	
Kottayam Division									
6	Engaging watchers to mitigate human animal conflict	N 09*45' 31.73" E077*03'39.38"	Ayyappanko vil	MM	0.0074	600.00	600	4.44	4.05
7	Engaging watchers to mitigate human animal conflict	N 09* 33' 25.13" E 076* 59' 04.03"	Kumaly	MM	0.0074	100.00	109	0.74	0.73575
8	Engaging watchers to mitigate human animal conflict	N 09* 44' 53.03" E 076* 53' 57.18"	Nagarampar a	MM	0.0074	630.00	175	4.66	1.181
Kothamangalam Division									
9	Engaging watchers to mitigate human animal conflict		Kaliyar	MM	0.0074	400		2.96	2.42325
10	Engaging watchers to mitigate human animal conflict		Thodupuzha			400		2.96	
11	Engaging watchers to mitigate human animal conflict		Mullaringad u	MM	0.0074	300		2.22	
Mankulam Division									
12	Engaging watchers to mitigate human animal conflict		Engage watchers at Viripara, Companyku dy and other areas in Mankulam Range	MM	0.0074	384	400	2.84	2.79344

13	Engaging watchers to mitigate human animal conflict		Engage watchers at Valiyaparakutty. Oru area, Kozhiyalakudy, 96 area and other elephant raiding areas in Anakulam Range	MM	0.0074	400	400	2.96	2.94118
Marayoor Division									
14	Engaging watchers to mitigate human animal conflict	10 16 39.44 77 09 30.64	Marayoor Division	MM	0.0074	600		4.44	2.35
Munnar Division									
15	Engaging watchers to mitigate human animal conflict	10° 3'42.70"N 76°47'55.71"E	Division	MM	0.0074	1000		7.40	8.16176
Subtotal						5134	1684	37.99	24.64
Central Circle, Thrissur									
Chalakkudy Division									
16	Engaging watchers to mitigate human animal conflict		Pariyaram Range	MM	0.0074	600		4.44	
17	Engaging watchers to mitigate human animal conflict		Vellikulangara Range	MM	0.0074	600		4.44	
18	Engaging watchers to mitigate human animal conflict	N 10' 27' 16.3 E 0.76' 24' 28.0	Valiyakulam	MM	0.0074	500		3.7	
Vazhachal Division									
19	Engaging watchers to mitigate human animal conflict		All Ranges	MM	0.0074	1200	323	8.88	1.88
Thrissur Division									
20	Engaging watchers to mitigate human animal conflict		Vaniyampara & Mannamangalam Forest Stations	MM	0.0074	1000	688	7.40	5.71

21	Engaging watchers to mitigate human animal conflict		Machad Range for all stations	MM	0.0074	300		2.22			
Malayattoor Division											
22	Engaging watchers to mitigate human animal conflict		Thundathil	MM	0.0074	600	1467	4.44	9.9		
23	Engaging watchers to mitigate human animal conflict		Kodanad	MM	0.0074	600		4.44			
						Subtotal		5400	2478	39.96	17.49
Eastern Circle, Palakkad											
Nilambur North Division											
24	Engaging watchers to mitigate human animal interface	N 1116'01.838" E 76 12'38.989"	Edavanna, Nilambur, Vazhikkadavu Ranges and RRT Nilambur	MM	0.0074	600	229	4.44	1.88		
Nilambur South Division											
25	Engaging watchers to mitigate human animal interface	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Kalikavu & Karulai	MM	0.0074	600	510	4.44	4.37		
Mannarkkad Division											
26	Engaging watchers to mitigate human animal interface	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	MM	0.0074	1000	2944	7.40	21.79		
Palakkad Division											
27	Engaging watchers to mitigate human animal interface	N 10 52 51.40 N 10 50 48.70 E 76 39 08.90 E 76 48 31.70	Olavakkode, Walayar	MD	0.0074	800	1321	5.92	10.98		
Nemmara Division											
28	Engaging watchers to mitigate human animal interface	N 10 35 21.38 N 10 33 49.30 N 10 34 24.90 E 76 36 21.61 E 76 46 49.10 E 76 44 56.50	Nelliyampathy, Chappakkad Alathur	MD	0.0074	900	836	6.66	6.19		

				Subtotal		3900	5840	28.86	45.210
Northern Circle, Kannur									
Kasaragod Division									
29	Engaging watchers to mitigate human animal interface	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kottachery, Ranipuram, Parappa, Maruthome, Bandadukka , Karadukka	MM	0.0074	1100	697	8.14	6.13
Kannur Division									
30	Engaging watchers to mitigate human animal interface	N11° 50' 562" E 75° 39' 329" N11° 51' 143" E 75° 44' 476"	Kannavam Section Nedumpoyil Section	MM	0.0074	1200	448	8.88	3.89
Kozhikkode Division									
31	Engaging watchers to mitigate human animal interface	N 11° 29' 18.6" E 75° 55' 56.2" N 11° 23' 52.68" E 76° 04' 39.13" N 11° 29' 44.24" E 76° 01' 32.30"	Thamarasser y and Kuttiady	MM	0.0074	1200	1412	8.88	12.02
North Wayanad Division									
		N 11° 42' 56.98" E 75° 55' 37.24" N 11° 44' 03.38" E 75° 55' 37.24" N 11° 49' 43.724" E 75° 53' 54.367"	Begur, Peria& Mananthava dy Varayal						

32	Engaging watchers to mitigate human animal interface	N 11° 44' 19.24" E 75° 49' 47.21"	Valamthodu, Aranappara, Akkoly, Pulival, thirunelli, Rassalkunnu , Mappilakoll y, Emmady, Valarodi, nakeri, Survani, Tha vinji, Palvelicham , Muthumari, Makki.Poyil, Chirakkara m, Irupupala m, Manivayal, Thurambur, Kakkeri	MM	0.0074	3000	3000	22.20	22.07
South Wayanad Division									
33		N11 30 36.7 E76 08 31.5 N11 33 53.7 E76 07 32.2 N11 32 58.0 E76 12 53.7 N11°37'41.6" E75°59'24.3"	Mundakkai station Vythiri Station Badery Section Muttil Section HQ Suganthagiri Section		0.0074	2000	1464	14.80	13.13

		N11°36'53.36" E76°04'27.50"	HQ Kalpetta Section						
		N11°39'43.5" E75°56'31.0"	HQ Padinharath ara Section						
		Subtotal				8500	7021	62.90	57.24
	ABP Circle								
	Schenduroney Division								
34	Engaging watchers to mitigate human animal conflict	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	MM	0.0074	860	1273	6.4	10.81
35	Engaging watchers to mitigate human animal conflict	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	MM	0.0074	860		6.4	
36	Engaging watchers to mitigate human animal conflict	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	MM	0.0074	860		6.4	
	Thiruvananthapuram WL Division								
37	Engaging watchers to mitigate human animal conflict	N8 °54' 489" E 77 ° 14" 026 N8 037' 18.0" E 77 0 8'12.3" N8 055' 608" E 77 0 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	MM	0.0074	2000	1541	14.8	11.59
		Subtotal				4580	2814	33.9	22.40
	FD PT Kottayam								
	Periyar East Division								
38	Engaging watchers to mitigate human animal conflict	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' ,77.167366 9.601616	Vallakkadav u, Periyar and Thekkady	MM	0.0074	540	498	4.00	4.29
		Subtotal				540	498	4.00	4.29
	Wildlife Palakkad								
	Silent Valley Division								
39	Engaging watchers to mitigate human animal conflict	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	MM	0.0074	634	417	4.7	3.89
	Aralam Division								

40	Engaging watchers to mitigate human animal conflict	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyor	MM	0.0074	1000	915	7.40	8.71
Peechi Division									
41	Engaging watchers to mitigate human animal conflict	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50'	Peechi, Chimmony and Chulannur WLS	MM	0.0074	634	632	4.7	4.66
Wayanad WL Division									
42	Engaging watchers to mitigate human animal conflict	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	MM	0.0074	2000	2016	14.80	16.75
Subtotal						4268	3980	31.58	34.01
Total								256.94	209.396
Protective Gears for wildlife conflict mitigation staffs						34722	24662		
Southern Circle, Kollam									
Ranni Division									
1	Protective Gears for wildlife conflict mitigation staffs		Allumkal Area Reach II	LS	LS	LS			
2	Protective Gears for wildlife conflict mitigation staffs		Channathad om Area Reach II	LS	LS	LS			
3	Protective Gears for wildlife conflict mitigation staffs	N 9 ⁰ 18' 52.7" E 76 ⁰ 50' 59"	Kumbalatha mon- Thekkumma la	LS	LS	LS		1.50	0.90
4	Protective Gears for wildlife conflict mitigation staffs	N 9 ⁰ 16' 34.4" E 76 ⁰ 57' 56"	Thazhe pochakkula m-mele Pochakkula m	LS	LS	LS			
5	Protective Gears for wildlife conflict mitigation staffs	N 9 ⁰ 18' 1.9" E 76 ⁰ 54' 54.8"	Kattachira Settlement	LS	LS	LS			
Thiruvananthapuram Division									

6	Protective Gears for wildlife conflict mitigation staffs			LS	LS	LS		1.50	1.13
Konni Division									
7	Protective Gears for wildlife conflict mitigation staffs		Konni, Naduvathum oozhi, Mannarappara	LS	LS	LS		1.50	
				Subtotal		LS	LS	4.50	2.03
High Range Circle, Kottayam									
8	Protective Gears for wildlife conflict mitigation staffs		High Range Circle	LS	LS	LS		1.50	
Kottayam Division									
9	Protective Gears for wildlife conflict mitigation staffs	N09*33' 25.13" E076*59'04.03"	Kumaly	LS	LS	LS		0.25	
10	Protective Gears for wildlife conflict mitigation staffs	N 09*45' 31.73" E077*03' 39.38"	Ayyappankovil	LS	LS	LS		1.00	
Kothamangalam Division									
11	Protective Gears for wildlife conflict mitigation staffs		Kaliyar	LS	LS	LS		1.50	
12	Protective Gears for wildlife conflict mitigation staffs		Thodupuzha						
Mankulam Division									
13	Protective Gears for wildlife conflict mitigation staffs		Procurement of protective and camping gear in Mankulam Range	Ls	Ls	Ls		1.50	0.83306
14	Protective Gears for wildlife conflict mitigation staffs		Procurement of protective and camping gear in Anakulam Range	Ls	Ls	Ls			0.61922
Marayoor Division									

15	Protective Gears for wildlife conflict mitigation staffs	10 16 39.44 77 09 30.64	Marayoor Division	Ls	Ls	Ls		1.50	1.711
Munnar Division									
16	Protective Gears for wildlife conflict mitigation staffs	10° 3'42.70"N 76°47'55.71"E	VFS	Ls	Ls	Ls		1.50	0.50139
17	Protective Gears for wildlife conflict mitigation staffs	10° 5'4.62"N 77° 3'30.18"E	Munnar Range	Ls	Ls	Ls			0.1925
Subtotal						LS	LS	8.75	3.86
Central Circle, Thrissur									
Chalakkudy Division									
18	Protective Gears for wildlife conflict mitigation staffs		Pariyaram Range	Ls	Ls	Ls		1.50	1.09
19	Protective Gears for wildlife conflict mitigation staffs		Vellikulanga ra Range	Ls	Ls	Ls			
20	Protective Gears for wildlife conflict mitigation staffs		Pariyaram Range	Ls	Ls	Ls			
Vazhachal Division									
21	Protective Gears for wildlife conflict mitigation staffs		Athirappilly	Ls	Ls	Ls		1.00	
Thrissur Division									
22	Protective Gears for wildlife conflict mitigation staffs		Pattikkad Range for all stations	LS	LS	LS		1.50	
23	Protective Gears for wildlife conflict mitigation staffs		Machad Range for all stations	LS	LS	LS			
Subtotal						LS	LS	4.00	1.09
Eastern Circle, Palakkad									
Nilambur North Division									
24	Protective Gears for wildlife conflict mitigation staffs	N 1116'01.838" E 76 12'38.989"	Edavanna, Nilambur, Vazhikkada vu Ranges and RRT Nilambur	LS	LS	LS	0	1.50	7.81
Nilambur South Division									
25	Protective Gears for wildlife conflict mitigation staffs	N 11 05 0.00 N 11 26 0.00 E 76 15 0.00 E 76 45 0.00	Division	LS	LS	LS	0	1.50	1.52

	Mannarkkad Division								
26	Protective Gears for wildlife conflict mitigation staffs	N 10 52 51.40 N 10 50 48.70 E 76 39 08.90 E 76 48 31.70	Olavakkode, Walayar	LS	LS	LS	0	1.00	0
	Palakkad Division								
27	Protective Gears for wildlife conflict mitigation staffs (Purchase of Tractor mounted with water tank for the use in forest area)	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	LS	LS	LS		1.50	0.5
28	(Purchase of Tractor mounted with water tank for the use in forest area)	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	LS	LS	LS			14.52
29	Protective Gears for wildlife conflict mitigation staffs	N 10 35 21.38 N 10 33 49.30 N 10 34 24.90 E 76 36 21.61 E 76 46 49.10 E 76 44 56.50	Nelliyampat hy, Kollengode, Alathur	LS	LS	LS		1.50	1.5
				Subtotal		LS	LS	7.00	25.85
	Northern Circle, Kannur								
	Kasaragod Division								
29	Protective Gears for wildlife conflict mitigation staffs	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kasaragod & kanhangad Range	LS	LS	LS	0	1.00	0
	Kannur Division								

30	Protective Gears for wildlife conflict mitigation staffs	N11° 50' 562" E 75° 39' 329" N11° 51' 143" E 75° 44' 476"	Thaliapramb a, Kottiyoor& Kannavam Rangge	LS	LS	LS	LS	1.50	1.19
Kozhikkode Division									
31	Protective Gears for wildlife conflict mitigation staffs	N 11° 29' 18.6" E 75° 55' 56.2" N 11° 23' 52.68" E 76° 04' 39.13" N 11° 29' 44.24" E 76° 01' 32.30"	Thamarasser y, Kuttiady& Peruvannam uzhy Range	LS	LS	LS	LS	1.50	2.07
North Wayanad Division									
32	Protective Gears for wildlife conflict mitigation staffs	N 11° 42' 56.98" E 75° 55' 37.24" N 11° 44' 03.38" E 75° 55' 37.24"	Begur, Peria& Mananthava dy	LS	LS	LS	LS	1.50	0.93
South Wayanad Division									
33	Protective Gears for wildlife conflict mitigation staffs	11°47'40.4"N 76°10'04.7"E	Chedleth range	LS	LS	LS	LS	1.50	2.03
34		N11 33 50.7 E76 07 48.6	Meppady	LS	LS	LS			
35		N11°36'53.36" E76°04'27.50"	Kalpetta Range	LS	LS	LS			
				Subtotal		LS		7.00	6.22
ABP Circle									
Schenduruney Division									
36	Protective Gears for wildlife conflict mitigation staffs	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	LS	LS	LS		0.50	
37	Protective Gears for wildlife conflict mitigation staffs	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu	LS	LS	LS		0.50	
38	Protective Gears for wildlife conflict mitigation staffs	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u	LS	LS	LS		0.50	
Thiruvananthapuram WL Division									

39	Protective Gears for wildlife conflict mitigation staffs	N8 0'54' 489" E 77 0' 14" 026 N8 037' 18.0" E 77 0' 8'12.3" N8 055' 608" E 77 0' 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	LS	LS	LS	15	1.50	0.43	
Subtotal						LS	LS	3.00	0.43	
Wildlife Palakkad										
Silent Valley Division										
40	Protective grars for wildlife conflict mitigation staffs	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	LS	LS	LS	32	1.00	0.98	
Aralam Division										
41	Protective grars for wildlife conflict mitigation staffs	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	LS	LS	LS		1.50	0	
Peechi Division										
42	Protective grars for wildlife conflict mitigation staffs	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50'	Peechi, Chimmony and Chulannur WLS	LS	LS	LS	82	0.92	0.9	
Wayanad WL Division										
43	Protective grars for wildlife conflict mitigation staffs	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	LS	LS	LS	24	1.50	0.46	
Subtotal						LS	138	4.92	2.34	
Social Forestry (SR) Kollam										
Pathanamthitta SF Division										
44	Protective gears for wildlife conflict mitigation staffs	09°12'49"N 06°51'02"E	Konni SF Range	LS	LS	LS		1.50	0.87678	
45		09°23'14"N 76°47'27"E	Ranni SF Range	LS	LS	LS	LS			
Subtotal						LS	LS	1.50	0.88	
Total						LS		40.67	42.69	
a	SOIL & MOISTURE CONSERVATION (Digging/Desilting of Water Holes)									
FD PT Kottayam										

Periyar East Division									
1	Digging/Desilting of Water Holes	N- 090 31' 42" E-0770 07'20.4"	Dam Road	No.	0.5	5	3	2.50	1.96
2	Digging/Desilting of Water Holes	N- 090 32' 079" E-0770 06'98.5"	Markose kavala						
3	Digging/Desilting of Water Holes	N- 090 32' 30.0" E-0770 07'059"	Vanchivayal Ist kavala						
4	Digging/Desilting of Water Holes	N- 090 32' 66.1" E-0770 07'64.6"	Kumblampe tty						
5	Digging/Desilting of Water Holes	N- 090 32' 69.4" E-0770 08'66.8"	Pothinkanda m						
Periyar West Division									
6	Digging/Desilting of Water Holes	N 9.57113322135° E 76.99433431390° N 9.43530571053° E 76.94728230020°	Azhutha& Pampa Ranges	Nos.	0.5	5	5	2.50	2.41
Idukki Division									
7	Digging/Desilting of Water Holes	N 9 ⁰ 46'57.5" E 76 ⁰ 57'32.3"- N 9 ⁰ 46'57.5" E 76 ⁰ 57'32.3"	Vellakamaly Area	Nos.	0.2	5	5	1.00	0.84
8	Digging/Desilting of Water Holes	N 9 ⁰ 48'32.6" E 76 ⁰ 58'5.1"	Anjilithandu						
9	Digging/Desilting of Water Holes	N 9 ⁰ 46'9.3"- E 76 ⁰ 58'21.9"	Valiyakanda m						
10	Digging/Desilting of Water Holes	N 10 07 08.1 E 76 42 19.4	Ovumkal						
11	Digging/Desilting of Water Holes	N 10 0656.7 E 76 42 07.6	Chettippally						
Munnar WL Division									
12	Digging/Desilting of Water Holes	N 10°5' 6.71" E 77° 3'29.53" N 10° 21' 11.95" E 77° 13'12.96"	SNP/CWS	LS	0.2	5	4	1.00	1.1

				Subtotal		20	17	7.00	6.31
	Wildlife Palakkad								
	Peechi Division								
13	Desiltation of Waterholes and Checkdams	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50"	Peechi, Chimmony and Chulannur WLS	Nos	0.40	5	1	2.00	1.06
	Wayanad WL Division								
14	Desiltation of Waterholes and Checkdams	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	Nos	0.40	5	0	2.00	0
	Prambikulam Division								
15	Desiltation of Waterholes and Checkdams	N 10 32 871, E 076 83 530	Karimala, Sholayar, Kottayal, Poopara, Puliyala	Nos	0.40	5	0	2.00	0
				Subtotal		15	1	6.00	1.06
				Total		35	18	13.00	7.37
b	Providing Life Jackets								
	FD PT Kottayam								
	Periyar West Division								
1	Providing life jackets in Department Boats at Kumarakom	N 09°37'40.46" E 076°25'43.62"	Kumarakom	Nos.	0.1	10	10	1.00	0
				Total		10	10	1.00	0.00
c	Purchase of Camera traps for monitoring wildlife movements								
	Northern Circle, Kannur								
	Kasaragod Division								

1	Purchase of Camera traps for monitoring wildlife movements	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 21' 15.6348" E 75° 24' 44.3592" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kasaragod & Kanhangad Range	Nos	0.30	5	1	1.50	0.83
Kannur Division									
2	Purchase of Camera traps for monitoring wildlife movements	N 11° 50' 561" E 75° 39' 337" N 11° 51' 199" E 75° 44' 482" N 11° 51' 070" E 75° 54' 74.5" N 12° 02' 05.5" E 75° 47' 81.9" N 11° 58' 521" E 75° 48' 940"	Thaliparambala, Kottiyoor & Kannavam Range	Nos	0.30	5	1	1.50	1.2
Kozhikode Division									
3	Purchase of Camera traps for monitoring wildlife movements	N 11° 29' 18.6" E 75° 55' 56.2" N 11° 23' 52.68" E 76° 04' 39.13" N 11° 29' 44.24" E 76° 01' 32.30"	Thamarassery Kuttiady & Peruvannamuzhy Range	Nos	0.30	5	1	1.50	1.51
North Wayanad Division									
4	Purchase of Camera traps for monitoring wildlife movements	N 11° 42' 56.98" E 75° 55' 37.24" N 11° 44' 03.38" E 75° 55' 37.24" N 11° 50' 20.19" E 75° 54' 31.21"	Manathavady Begur Periya	Nos	0.30	5	0	1.50	
South Wayanad Division									
5	Purchase of Camera traps for monitoring wildlife movements	11°47'40.4"N 76°10'04.7"E N11 33 50.7 E76 07 48.6 N11°36'53.36" E76°04'27.50"	Kalpetta Meppady Chedleth	Nos	0.30	5	0	1.50	

				Total		25	3	7.50	3.54
	SUB TOTAL							1889.99	1333.96
	Part-B - Activities under "Not more than 20%" of the NPV fund category								
(x)	Better connectivity (Maintenance of roads including bridges, roads, communications)								
a	Maintenance of Forest Roads								
	Southern Circle, Kollam								
	Punalur Division								
1	Maintenance of Forest Road	N 8° 55' 41.4"E 76° 54' 52.0"	Pathanapuram	Km	0.2	10		2.00	
2	Maintenance of Forest Road	N 9° 5' 26"E 76° 51' 21"	Anchal						
	Thenmala Division								
3	Maintenance of Forest Road	N 08° 98' 25.4"E 0770 15' 6.41"	Aryankavu-Swarnapillakadu	Km	0.2	4		0.80	
4	Maintenance of Forest Road	N 08° 94' 60.0"E 0770 14' 99.5"	Palaruvi-Bedford						
5	Maintenance of Forest Road	N 080 99' 15.2"E 0770 17' 23.7"	Karimpintheta-Aryankavu						
6	Maintenance of Forest Road	N 080 59' 38.4"E 0770 08' 3.9"	Kadamanpara-6 Acre						
7	Maintenance of Forest Road	N 080 59' 38.4"E 0770 08' 3.9"	Kadamnapara-Chenagiri						
8	Maintenance of Forest Road	N 08 53' 17.9"E 077 04' 36.4"	decentmukku to Amakkulam Road,Kalluvarambu	Km	0.2	2		0.40	
9	Maintenance of Forest Road	N 080 53' 57" E 0770 01' 57"	Nedumpacha toParambu, Edamon	Km	0.2	4		0.80	
	Ranni Division								

10	Maintenance of forest roads	N 9° 16' 40.9" E 77° 1' 9.1"	Vazhayilappara	KM	0.2	0.5		0.10	
				Subtotal		20.5	0	4.10	0
High Range Circle, Kottayam									
Kottayam Division									
11	Maintenance of forest roads	1.N0945'31.97"E07701'56.26"N09 44'37.48"E07702'41.88" 2.N0943'10.85"E07700'42.82",N09 43' 14.18" E077000' 40.28"	1.Mattappally - Valadupara, 2.KallarTP	KM	0.20	5.00		1.00	
12	Maintenance of forest roads	N 9°36'24" E 077°10'12"	Kumily Range		0.20	5.00		0.40	
Kothamangalam Division									
13	Maintenance of forest roads	N=09°57'1.16" E=076°48'51.1"	Velilamparappu - Pachila		0.2	3		0.60	
14	Maintenance of forest roads	N 09 56 11.85 E 76 54 16.46- N 09 56 21.41 E 76 52 19.94	Makkuvally-Manayathadom (2.5)	KM	0.2	3		0.60	0.27512
15	Maintenance of forest roads	N 09 53 03.88 E 76 51 46.04 N 09 53 37.43 E 76 51 45.48	Peringassery to Velloor (4-Km)		0.2	4		0.80	
Marayoor Division									
16	Maintenance of forest roads	10 15 53.25 77 12 04.06	Vananthura	KM	0.2	10.00		2.00	1.91
Munnar Division									
17	Maintenance of forest roads	10° 4'33.37"N 76°51'55.34"E	Avarukutty in Neriyamangalam Range	KM	0.2	10		2.00	

18	Maintenance of forest roads	N 10° 08' 22.7 E 076° 54' 89.1	Perumbank uthu area of Adimaly Range		0.2	10		2.00	
Subtotal						40.00	0.00	7.40	2.19
Central Circle, Thrissur									
Chalakkudy Division									
19	Maintenance of Forest Roads	N 10° 25' 24.07 E 076° 20' 34.23 N 10° 25' 35.20 E 076° 21' 20.00 N 10° 25' 34.09 E 076° 24' 51.53	1) Bungalow Kunnu road 2) Vettingapad am Road 3) Akkarapadi roadroad						
20	Maintenance of Forest Roads	N 10° 22' 59.67" 76° 24' 4.83"E	Thalooпада m- Pathukulang ara Thalooпада m -Chokan Tramway to HML	KM	0.2	10	12	2	0.91
Vazhachal Division									

21	Maintenance of Forest Roads	N 10 ⁰ 20' 33.19" E 0 76 ⁰ 33' 19.60" N 10 ⁰ 18' 31.51" E 0 76 ⁰ 34' 11.98" N 10 ⁰ 22' 39.34" E 0 76 ⁰ 39' 14.26"	Karanthodu block (13 km) Badapara block (7 km) Old Parambikulam block (8km) Charpa padam & Kundoormedu block (5 km)	km	0.2	10	2.00	
22	Maintenance of Forest Roads	N 10 19 00.0" E 076 38 07.6" N 10 20 20.9" E 076 38 34.3"	Paradi, Pokalappara Blocks	KM				
23	Maintenance of Forest Roads	N 10 ° 16' 04.03'' E 076 ° 41' 48.03''	Neelappara Block	km				
24	Maintenance of Forest Roads	N 10 ° 15' 24.02'' E 076 ° 38' 35.05''	Repra Block					
25	Maintenance of Forest Roads	N 10 ° 16' 22.80'' E 076 ° 38' 53.50''	Kalakkallu Block					
26	Maintenance of Forest Roads	N 10 ° 17' 01.60'' E 076 ° 38' 31.09''	Nayattupara Block					
27	Maintenance of Forest Roads	N 10 ° 16' 51.05'' E 076 ° 38' 14.05''	Pachilavalam Block					
28	Maintenance of Forest Roads		Athirappilly Range					

29	Maintenance of Forest Roads	N 10 ° 18.' 7.41'' E 76 ° 41' 40.42''	Kummatti- Aanamadam kuthu- Ambalappar ablocks	km					
30	Maintenance of Forest Roads	N 10 ° 16' 31.30'' E 76 ° 42' 59.69''	Mechappilly - adavarabloc ks	km					
				Subtotal		20	12	4.00	0.91
Eastern Circle, Palakkad									
Nilambur North Division									
31	Maintenance of Forest Roads	N 11 19'47.7'' N 11 20'15.084'' N 11 26'48.75569'' N 11 29'47.9'' N 11 25'00.061'' N 11 25'029'' N 11 23 25.11, E 76 11'39.8'' E 76 13' 21.382'' E 76 14'13.7926'' E 76 13'42.5'' E 76 13'34.352'' E 76 11'428'' E 76 17 27.71	Kallunda- Adyanpara Iruttukuthy- Pandikkai Irulkunnu- Mulakuparat hodu Melekunipp ala - Kodalipoyil	Km	0.20	10.00		2.00	0
Nilambur South Division									
32	Maintenance of Forest Roads	N 11 18 24.53 N 11 18 5.71 E 76 21 30.70 E 76 27 0.44	Kannikkai to Chooralatti	Km	0.20	10.00		2.00	0
Mannarkkad Division									
33	Maintenance of Forest Roads	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Km	0.20	10.00		2.00	0
Nemmara Division									

34	Maintenance of Forest Roads	N 10 26 38.60E 76 41 38.40	Thuthampara	Km	0.20	10.00		2.00	2.13
Subtotal						40.00	0.00	8.00	2.13
Northern Circle, Kannur									
North Wayanad Division									
35		N 11° 43' 53.87" E 75° 49' 19.3" N 11° 44' 01.6" E 75° 50' 00.8"	Valanthode- Manappatt						
36		N 11° 43' 54.4" E 75° 51' 27.5"	Deepika- Vattiyankal						
37		N 11° 43' 37.71" E 75° 54' 00.71"	Perincheriml a- Peradassery						
38		N 11° 42' 43.80" E 75° 54' 51.04"	Chundakuzh i- Pooncholana da						
39		N 11° 42' 38.82" E 75° 54' 48.58" N 11° 42' 53.2" E 75° 54' 30.6"	Poolamanda m- Thavalappara						
40		N 11° 49' 13.307" E 75° 54' 53.948"	Edathana, Chulli, Sadananda						

41	Maintenance of Forest roads	N 11° 86' 16.3" E 75° 09' 35.00"	Moolappady , Theerthakun d, IB-APC Brahmagiri, Churalthode , Mangakolly to Thannerpant hal, Naalu Cent Colony to Kaveri Poyil, Oliyottu, Changala gate to Kumbamala, Plamoola to Rassalkunnu , Makki Sooryamudi	Km	0.2	10.00	1	2.00	2.02
South Wayanad Division									
42		N 11 33 22.4 E 076 05 00.1	Chembra watch tower road						
43		N11 33 50.7 E76 07 48.6	Meppady Office building						

44	Maintenance of Forest roads	N11°37'57.4" E75°59'04.5" N11°37'41.5" E75°59'18.5"	Kochumala to 10th mile, Parathode to 8th mile coupe roads in Suganthagiri Section	Km	0.20	10.00	2.4	2.00	0.86
45		N 11°36'03.24" E75°58'10.62" N 11°35'55.53" E75°58'11.39"	Kurichiyarm ala Camp Shed road in Kalpetta Section						
46		N 11°31'38.73" E76°01'12.02" N 11°31'39.17" E76°01'16.86"	Mandamala Camp Shed road in Kalpetta Section						
Subtotal						20.00	3.40	4.00	2.88
ABP Circle									
Schenduroney Division									
47	Maintenance of forest roads	N 8° 57' 11.1" E 77° 5' 17.9" to N 8° 54' 49.0" E 77° 10' 54.8"	Mannanthar a to Pallivasal	Km	0.20	10	7	2.00	1.97
Thiruvananthapuram WL Division									
48	Maintenance of forest roads	N8°54'48.9" E 77° 14' 02.6" N8°37'18.0" E 77° 08'12.3" N8°55'60.8" E 77° 15' 59.3"	Neyyar, Peppara & ABP Range, Kottoor	km	0.20	10		2.00	
Subtotal						20	7	4.00	1.97
Wildlife Palakkad									
Silent Valley Division									

49	Maintenance of forest roads	11° 02'59.10" N, 76 ° 25'11.9" E 11° 12'40.2" N, 76 ° 21'35.0" E	Bhavani/ Silent Valley	Km	0.20	10		2.00			
Aralam Division											
50	Maintenance of forest roads	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	Km	0.20	10		2.00			
Parambikulam Division											
51	Maintenance of forest roads	76.66041,10.38496, 76.62050,10.38400 N 10 23 395 , E 076.40 275	Vengoli, Parambiyar, Elathode, Anappady, Peruvari, Chettivara, Karimala, Kothala, Kottayali, Pooppara sections.	Km	0.20	10	1	2.00	3.07		
Peechi Division											
52	Maintenance of forest roads	N 10° 35' 37.4" E 76° 21' 41.2" N 10° 34' 26.5" E 76° 23' 10.7" N 10° 35' 40.5" E 76° 22' 31.7" N100 26' 10.4" E 076 0 28' 30.9"	Peechi,Vella ni,Anapporu ,Meppadam	Km	0.20	10	4	2.00	1.12		
Subtotal								8.00	4.19		
Total								200.50	27.40	39.50	14.27
(x)	Better connectivity (Maintenance of roads including bridges, roads, communications)										
b	Maintenance of Trek Paths/ Patrolling Routes										
Southern Circle, Kollam											
Punalur Division											

1	Maintenance of trek path/patrolling route in Pathanapuram Range	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapuram	Km	0.2	4		0.80							
2	Maintenance of trek path/patrolling route in Anchal Range Range	N 9° 5' 26" E 76° 51' 21"	Anchal		0.2	4		0.80							
Thenmala Division															
3	Maintenance of Trek path	N 09 ⁰ 03' 41.2'' E 0770 12' 78.5''	Priya estate Kulirkadu	Km	0.2	10		2.00							
4	Maintenance of Trek path	N 080 99' 15.2'' E 0770 17' 23.7''	Dharbhakulam- Kottavasal												
5	Maintenance of Trek path	N 080 97' 05.2'' E 0770 17' 72.3''	Kottavasal - Rajacoupe,												
6	Maintenance of Trek path	N 080 99' 15.5'' E 0770 15' 43.5''	Pandyanpara - Kurissumala												
7	Maintenance of Trek path	N 080 98' 01.1'' E 0770 17' 20.3''	Swarnampillakadu- Kurissumala												
8	Maintenance of Trek path	N 080 95' 08.1'' E 0770 19' 04.9''	Rajacoupe- Kurissumala												
9	Maintenance of Trek path	N 08 54' 31.0" E 077 06' 3.8"	Choodal to Eettakkana m,Kalluvarambu												
Subtotal											18	0	3.60	0	
High Range Circle, Kottayam															
Kottayam Division															
10	Maintenance of trek paths/patrol	1.N0975' 29.01'' E07704' 08.76'' 2.N0975'20.52'' E077 03'67.15''	Valadupara - Kannikkallu	KM	0.2	10		2.00							
11	Maintenance of trek paths/patrol	N-09 ⁰ 49' 1.91'' E-07653'16.20''	Kulamavu- MPCA												
Kothamangalam Division															

12	Maintenance of trek paths/patrol	<i>N=09°58'53.1" E=076°49'47.8"</i>	<i>Kottapara - Kattadikada vu</i>	<i>KM</i>					
13	Maintenance of trek paths/patrol	<i>N 09 53 52.54 E 76 53 06.66 N 09 55 07.62 E 76 52 08.76</i>	<i>Kezarkuth Kaithapara - 2 km</i>	<i>KM</i>	0.2	10		2.00	
14	Maintenance of trek paths/patrol	<i>N 09 55 46.43 E 76 53 02.49 N 09 56 21.95 E 76 52 02.30</i>	<i>Kottuvala to Manayatha dam - 4 km</i>	<i>KM</i>					
Marayoor Division									
15	Maintenance of trek paths/patrol	<i>10 15 06.58 77 09 20.79 10 15 24.08 77 08 50.01 10 15 15.83 77 10 54.54 10 14 24.51 77 11 31.20 10 15 42.13 77 12 29.27 10 16 43.68 77 12 06.09 10 16 31.23 77 09 25.02 10 17 09.52 77 09 28.13</i>	<i>Nachivayal SR-I Nachivayal SR-II Karayoor SR- Karayoor SR-II Vannanthur a SR-I Vannanthur a SR-II SR-52 SR-54</i>	<i>KM</i>	0.2	10		2.00	2.10181
Munnar Division									

16	Maintenance of trek paths/patrol	10° 4'33.37"N 76°51'55.34"E 10° 5'4.62"N 77° 3'30.18"E	Avarukutty, Munnar, Adimaly etc	KM	0.2	10		2.00	2.04273
Subtotal						40	0	8.00	4.14
Central Circle, Thrissur									
Chalakkudy Division									
17	Maintenance of trek paths/patrolling routes	1) N 10' 27' 11.1 E 0.76' 22' 14.60 2) N 10' 24' 10.5 E 0.76' 26' 48.2	1) Nadampada m- Nattukallu 2) Thalakkath oni	KM					
18	Maintenance of trek paths/patrolling routes	10°23'33.06"N 76°27'30.98"E	Punnakuzhy - Mukkanamk uthu Boarkunnu- Padijekarap ara	M2	0.2	10		2.00	5.09
Vazhachal Division									
19	Maintenance of trek paths/patrolling routes	N 10 ° 16' 51.05'' E 076 ° 38' 14.05''	Old Parambikula m block	km					
20	Maintenance of trek paths/patrolling routes	(1) N 10 19 47.78" E 076 38 26.78" (2) N 10 20 56.8 E 076 38 10.1"	Paradi, Pachakkad, Karanthodu, Pokalappara Blocks	km					
21	Maintenance of trek paths/patrolling routes	N 10 ° 16' 14.37'' E 076 ° 41' 05.40''	Neelappara Block						
22	Maintenance of trek paths/patrolling routes	N 10 ° 15' 47.63'' E 076 ° 40' 0.11''	Repra Block						

23	Maintenance of trek paths/patrolling routes	N 10 ° 15' 53.88'' E 076 ° 40' 49.12''	Kalakkallu Block	km	0.2	10	23	2.00	6.89
24	Maintenance of trek paths/patrolling routes	N 10 ° 17' 01.58'' E 076 ° 38' 31.98''	Nayattupara Block						
25	Maintenance of trek paths/patrolling routes	N 10 ° 16' 57.29'' E 076 ° 37' 51.30''	Pachilavalam Block						
26	Maintenance of trek paths/patrolling routes	N 10° 15'28.93", E 076° 34' 9.78", N 10° 15'6.40", E 076° 35' 33.76"	Trekpaths under Athirappilly FS	km					
27	Maintenance of trek paths/patrolling routes	N 10 °16' 40.48'' E 76 ° 41' 44.39''	Mechappilly Block	km					
28	Maintenance of trek paths/patrolling routes	N 10 ° 16' 31.30'' E 76 ° 42' 59.69''	Kummatti, Shorigal block	km					
Subtotal						20	23	4.00	11.98
Eastern Circle, Palakkad									
Nilambur North Division									

29	Maintenance of trek paths/patrolling routes	N 11 19'47.7" N 11 20'15.084" N 11° 19' 47.530" N 11° 20' 27.310" N 11 24'657" N 11 24'657" N 11 25'19.7" N 11 25'419" N 11 27'21.462" N 11 28'57.7" N 11 29'47.9" N 11 30'4.75" N 11°27'4.66" E 76 11'39.8" E 76 13' 21.382" E 76° 11' 38.985" E 76° 10' 43.451" E 76 12'979" E 76 08'985" E 76 13'348" E 76 10'398" E 76 13'56.676" E 76 11'4.4" E 76 13'42.5" E 76 11'42.39" E 76°22'33.10"	Akampadam FS, Edakkode FS Kodumpuzh a FS, Malankundu -Kattimala Chembra- Kodinji, Vaniyampuz ha- Chooralmala , Kumbalappa ra- Aranappuzh a Pothukal & Nellikuth FS	Km	0.20	10		2.00	1.65
Nilambur South Division									
30	Maintenance of trek paths/patrolling routes	N 11 19 39.50 N 11 19. 33.74E 76 28 49.40 E 76 29 33.10	Karulai	Km	0.20	10		2.00	2.82
31	Creation of trek paths/patrolling routes	N 11 19 39.50 N 11 19. 33.74 E 76 28 49.40 E 76 29 33.10	Karulai	Km					
Mannarkkad Division				Km					

32	Maintenance of trek paths/patrolling routes	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	Km	0.20	10		2.00	0.08
Nemmara Division									
33	Maintenance of trek paths/patrolling routes	N 10 33 29.57 N 10 33 16.68 N 10 33 15.10 N 10 31 25.90 E 76 35 24.43 E 76 34 43.13 E 76 33 12.13 E 76 48 29.10	Kundali Reserve, Karimkulam to Pareppally, karimkulam to pulikkalchir a, Thekkady to Singarachol a	Km	0.20	10		2.00	0
Subtotal						40	0	8.00	4.55
Northern Circle, Kannur									
Kasaragod Division									
34	Maintenance of trek paths/Patrolling routes	N 12° 34' 50.8" E 75° 18' 14.8"	Parappa- Bellippady	Km	0.20	10		2.00	
35	Maintenance of trek paths/Patrolling routes	N 12° 32' 10.6" E 75° 14' 35.4"	Pandy- Puliparamba						
South Wayanad Division									
36	Maintenance of trek paths/Patrolling routes	N: 11 72 198 E: 076 21816	Maramala- koodallur Irulam FS	Km					
37	Maintenance of trek paths/Patrolling routes	N: 11 74829 E: 076 21073	Moonanaku zhy - pambra irulam FS	Km					
38	Maintenance of trek paths/Patrolling routes	N 11 48 582 E 076 08 031	Anapanthy to Vilangadi	Km					

39	Maintenance of trek paths/Patrolling routes	N 11 49 335 E 076 08 726	Udayakkara - Anappanthy	Km	0.20	10	2.00		
40	Maintenance of trek paths/Patrolling routes	N 11 51 179 E 076 07 912	Vilangady to vattathoor	Km					
41	Maintenance of trek paths/Patrolling routes	N 11 44 794 E 076 12 168	Orkkadavu	Km					
42	Maintenance of trek paths/Patrolling routes	N11 43 140 E 076 12 554	mathamman galam	Km					
43	Maintenance of trek paths/Patrolling routes	N11 35 06.8 E076 06 35.8	Kottavayal - Manikunnu	Km					
44	Maintenance of trek paths/Patrolling routes	N11 33 22.9 E076 05'00.4	Chembra	Km					
45	Maintenance of trek paths/Patrolling routes	N11 33 19.4 E076 05 00.9	Chembra- Anappara	Km					
46	Maintenance of trek paths/Patrolling routes	N11 34 47.9 E076 08 04.2	Nedumbala- Chembothar a	Km					
47	Maintenance of trek paths/Patrolling routes	N11 34 42.5 E076 07 55.7	Kallumala	Km					
Subtotal						20	0	4.00	0
ABP Circle									
Schenduroney Division									
48	Maintenance of trek paths/patrolling routes	08° 53' 36.6" N 077° 07' 15.7" E	Kalamkunnu	Km	0.20	10	4	2.00	0.69
49	Maintenance of trek paths/patrolling routes	08° 54' 47.3" N 077° 13' 08.7" E	Kalluvaram bu						
50	Maintenance of trek paths/patrolling routes	08° 52' 05.9" N 077° 12' 32.7" E	Ettappadapp u						
Thiruvananthapuram WL Division									

51	Maintenance of trek paths/patrolling routes	N8 0'54' 489" E 77 0' 14" 026 N8 037' 18.0" E 77 0' 8'12.3" N8 055' 608" E 77 0' 15' 593"	Neyyar, Peppara & ABP Range, Kottoor	km	0.20	10	6	2.00	0.97
Subtotal						20	10	4.00	1.66
FD PT Kottayam									
Periyar East Division									
52	Maintenance of trek paths/patrol	N-09031'34.4" E-0770 06'45.4", N: 09,34',17.236' E: 077,17.15' , 77.167366 9.601616, N-09°33'49.2" E-077°08'36.7" N-09°29'26" E-077°13'04" N-09°23'12.5" E-077°12'18.5" N-09033'07.7" E-077°07'15.6" N-09°27'29.7" E-077°09'42.2" N-09°26'23.7" E-077°12'08.8" N-09°32'44" E-077°08'48" N-09°29'28.15" E-077°11'04.40" 9°33'11.00"N 77°10'32.00"E N 09° 34' 05.9"	Vallakkadavu, Periyar and Thekkady Ranges	Km	0.20	10	10	2.00	1.98
Periyar West Division									

53	Maintenance of trek paths/patrol	N9°21'21.1"E76°57' .7.15, N9°30'41.9"E77.8° 58.7"	Azhutha&P ampa Ranges	Km	0.20	10	10	2.00	1.73
Subtotal						20	20	4.00	3.71
Wildlife Palakkad									
Silent Valley Division									
54	Maintenance of trek paths/patrol	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	Km	0.20	10	2.31	2.00	0.58
Aralam Division									
55	Maintenance of trek paths/patrol	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	Km	0.20	10	8.1	2.00	1.96
Peechi Division									
56	Maintenance of trek paths/patrol	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50"	Peechi, Chimmony and Chulannur WLS	Km	0.20	10	8.5	2.00	1.85
Parabikulam Division									
57	Maintenance of trek paths/patrol	76.66041,10.38496, 76.62050,10.38400 N 10 23 395 , E 076.40 275	Vengoli, Parambiyar, Elathode, Anappady, Peruvvari, Chettivara, Karimala, Kothala, Kottayali, Pooppara sections.	Km	0.20	10	0	2.00	0
Subtotal						40	18.91	8.00	4.39
Total						218	71.91	43.6	30.43454
(x)	Better connectivity (Maintenance of roads including bridges, roads, communications)								
c	Awareness Program								

Southern Circle, Kollam									
Punalur Division									
1	Training and workshops	N 8° 55' 41.4" E 76° 54 '52.0"	Pathanapura m& Anchal	LS	LS	LS		0.10	
Achenkovil Division									
2	Awareness Program	N 9° 05' 3.3'' E 77° 07' 7.7'	Achenkovil	LS	LS	LS		0.10	
Thenmala Division									
3	Awareness Program		Aryankau	LS	LS	LS	1	0.10	
4	Awareness Program		Thenmala						
Ranni Division									
5	Awareness Program		Division	LS	LS		1	0.10	
Thiruvananthapuram Division									
6	Training and awareness programmes		Division	LS	LS	LS	1	0.10	
				Subtotal		LS	LS	0.60	0.00
High Range Circle, Kottayam									
Kottayam Division									
7	Awareness Program	N 09° 33' 25.13" E 076° 59' 04.03"	Erumeli	LS	LS	LS		0.10	0.0825
8	Awareness Program	N 09° 33' 25.13" E 076° 59' 04.03"	Kumaly						0.0682
Kothamangalam Division									
9	Awareness Program	N=09°57'13.8" E=076°48'23.6"	Kaliyar	LS	LS	LS		0.10	0.13844
10	Awareness Program	N 09 55 01.14 E 76 49 54.56	Velloor station						
Marayoor Division									
11	Awareness Program	10 16 39.44 77 09 30.64	Marayoor Division	LS	LS	LS		0.10	
				Subtotal		LS	LS	0.30	0.29
Central Circle, Thrissur									
Chalakkudy Division									
12	Awareness Program			LS	LS	LS		0.10	
Thrissur Division									
13	Awareness Program		Pattikkad Range	LS	LS	LS		0.10	
Malayattoor Division									

14	Awareness Program		All Ranges	LS	LS	LS		0.10			
				Subtotal				LS	LS	0.30	0.00
	Eastern Circle, Palakkad										
	Nilambur North Division										
15	Awareness Programme	N 1116'01.838" E 76 12'38.989"	Nilambur North FDA - Edavanna, Vazhikkada vu, Nilambur	LS	LS	LS		0.10	0.32		
	Nilambur South Division										
16	Awareness Programme	N 11 17 49.41E 76 22 56.76	Karulai	LS	LS	LS	1	0.10	0.25		
	Mannarkkad Division										
17	Awareness Programme	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	LS	LS	LS		0.10	0.04		
	Nemmara Division										
18	Awareness Programme	N 10 35 21.38E 76 36 21.61	Nelliyampat hy	LS	LS	LS		0.10	0.09		
				Subtotal				LS	1	0.40	0.70
	Northern Circle, Kannur										
	Kasaragod Division										
19	Awareness program	N 12° 24' 46.764" E 75° 21' 55.4616" N 12° 22' 17.7852" E 75° 14' 41.8452"	Kasaragod Range	LS	LS	LS		0.10	0		
	Kannur Division								0.06		
	North Wayanad Division										

20	Awareness program	N 11° 50' 21.19" E 75° 54' 31.21"	Peria & Mananthava dy	LS	LS	LS		0.10	0.09
South Wayanad Division									
21	Awareness program	N 11°47'40.4" E 76°10'04.7"	Irulam & Pulpally FS	LS	LS	LS		0.10	0.01
22	Awareness program	N11 33 50.7 E76 07 48.6	Meppady						
23	Awareness program	N11°37'41.6" E75°59'24.3"	HQ Suganthagiri Section						
24	Awareness program	N11°36'53.36"E76° 04'27.50"	HQ Kalpetta Section						
25	Awareness program	N11°39'43.5" E75°56'31.0"	HQ Padinharath ara Section						
				Subtotal		LS	LS	0.30	0.16
ABP Circle									
Schenduroney Division									
26	Awareness Program	08°57' 33.8" N 077° 03' 41.6" E	Thenmala	LS	LS	LS		0.10	
				Subtotal		LS	LS	0.10	0.00
FD PT Kottayam									
Periyar East Division									
27	Awareness Program	N-09031'34.4" E- 0770 06'45.4", N: 09,34',17.236' E: 077,17.15', 77.167366 9.601616	Vallakkadav u, Periyar and Thekkady	LS	LS	LS		0.10	
Periyar West Division									

28	Awareness Program	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha&P ampa Ranges	LS	LS	LS		0.10	
				Subtotal		LS	LS	0.20	0.00
Wildlife Palakkad									
Silent Valley Division									
29	Awareness programme	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	LS	LS	LS		0.10	
Aralam Division									
30	Awareness programme	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	LS	LS	LS		0.10	
Parambikulam Division									
31	Awareness programme	76.66041,10.38496, 76.62050,10.38400 N 10 23 395 , E 076.40 275	Parambkula m TR	LS	LS	LS	1	0.10	0.15
Peechi Division									
32	Awareness programme	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50" N10o42.713' 10o43.962' E76o27.407' 76o29.899	Peechi, Chimmony and Chulannur WLS	LS	LS	LS	1	0.10	0.05
Wayanad WL Division									
33	Awareness programme	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	LS	LS	LS	1	0.10	0.08
				Subtotal		LS	LS	0.50	0.28

	Social Forestry (SR) Kollam									
	Thiruvananthapuram SF Division									
34	Awareness programme	08°34'22"N 76°53'22.56"E	Thiruvananthapuram	LS	LS	LS		0.10		
35	Awareness programme	08°23'54.6"N 76°05'9.24"E	Neyyattinkara							
36	Awareness programme	08°41'52.2"N 76°48'52.4"E	Attingal							
	Kollam SF Division									
37	Awareness training and assistance to Grama Haritha Samithies and other expansion activities	08°59'38.324"N 76°46'24.416"E	Punalur							
38	Awareness training and assistance to Grama Haritha Samithies and other expansion activities	08°55'27.221"N 77°00'00.00"E	Kulathupuzha	LS	LS	LS		0.10		
39	Awareness training and assistance to Grama Haritha Samithies and other expansion activities	08°54'2.732"N 76°35'6.421"E	Asramom Guest House, Kollam							
	Alapuzha SF Division									
40	Awareness programme	09°51'66.789"N 76°32'81.702"E	Alappuzha	LS	LS	LS		0.10		
				Subtotal					LS	LS
								0.30	0.00	
	Social Forestry (CR) Ernakulam									
	Thrissur SF Division									
40	Awareness programme	N 10°31'38.5" E 76°12'51.3"	Thrissur	LS	LS	LS		0.10	0.08	
42	Awareness programme	N 10°18'23.8" E 76°19'60.0"	Chalakyad							
				Subtotal					LS	LS
								0.10	0.08	
	Social Forestry (NR) Kozhikode									
	Wayanad SF Division									
43	Awareness programmes related to forest conservation, legal issues, for field staff under Social Forestry Division, Wayanad		Manathavady	LS	LS	LS		0.10		
44			Bathery							

10	Conducting Nature Camps to School and College children	N 09* 33' 25.13" E 076* 59' 04.03"	Erumeli						
11	Conducting Nature Camps to School and College children	N 09*45' 31.73" E077*03' 39.38"	Ayyappankovil	LS	LS	LS		0.20	
12	Conducting Nature Camps to School and College children	N 09* 33' 25.13" E 076* 59' 04.03"	Kumaly						
Kothamangalam Division									
13	Conducting Nature Camps to School and College children	N=09*57'28.5" E=076*50'09.4"	Thommankuth	LS	LS	LS		0.20	
Marayoor Division									
14	Conducting Nature Camps to School and College children	N 09 55 01.14 E 76 49 54.56	Velloor station	LS	LS	LS		0.20	
15	Conducting Nature Camps to School and College children	10 16 39.44 77 09 30.64	Marayoor Division						
Subtotal						LS	LS	0.60	0.00
Central Circle, Thrissur									
Chalakkudy Division									
16	Conducting natural Camps to School And Collage Children			LS	LS	LS		0.20	
17	Conducting natural Camps to School And Collage Children								
Vazhachal Division									
18	Conducting natural Camps to School And Collage Children	N 10 18 13.28 E 0 76 35 37.03	Vazhachal Dormitory	LS	LS	LS		0.20	
Subtotal						LS	LS	0.40	0.00
Eastern Circle, Palakkad									
Nilambur North Division									
19	Conducting nature camps to School & College Children	N 11'1838.86031 E 76'1519.05988	Central Nursery Range	LS	LS	LS		0.20	0
Nilambur South Division									
20	Conducting nature camps to School & College Children	N 11 17 49.41E 76 22 56.76	Karulai	LS	LS	LS	1	0.20	0.07
Mannarkkad Division									

21	Conducting nature camps to School & College Children	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	LS	LS	LS		0.20	0		
Palakkad Division											
22	Conducting nature camps to School & College Children	N 10 53 17.49E 76 36 17.62	Dhoni	LS	LS	LS		0.20	0		
Nemmara Division											
23	Conducting nature camps to School & College Children	N 10 35 21.38 N 10 33 49.30 N 10 34 24.90E 76 36 21.61 E 76 46 49.10E 76 44 56.50	Nelliyampat hy, Kollengode, Alathur	LS	LS	LS		0.20	0		
				Subtotal				LS	1	1.00	0.07
Northern Circle, Kannur											
Kasaragod Division											
24	Conducting natural camps to School and College Children	N 12° 24' 46.764" E 75° 21' 55.4616"	Ranipuram	LS	LS	LS		0.20			
Kannur Division											
25	Conducting natural camps to School and College Children	N11° 50' 562" E 75° 39' 329"	Kannavam	LS	LS	LS		0.20			
North Wayanad Division											
26	Conducting natural camps to School and College Children	N 11° 42' 56.98" E 75° 55' 37.24" N 11° 44' 03.38" E 75° 55' 37.24"	Vellamunda & Makkiyad	LS	LS	LS		0.20	0.2		
27		N 11° 47' 47" E 75° 53' 12"	SPC Valad School								
28			Thirunelly, Karimam, Rassal, Madhyappa dy								
South Wayanad Division											

29	Conducting natural camps to School and College Children	11°47'40.4"N 76°10'04.7"E	Irulam & Pulpally FS	LS	LS	LS	0.20		
30		N11 33 33.5 E76 05 08.2	Chembra						
31		N11 29 41.0 E 076 08 43.2	Elamala						
32		N11 31 45.4 E76 12 31.4	Kadachikunnu						
33		N.110 28' 27.7" E 0760 09' 10.6"	MUNDAK KAI						
34	N11°37'25.1" E75°59'37.9"	8th mile in Suganthagiri Section							
Subtotal						LS	LS	0.80	0.20
ABP Circle									
Schenduroney Division									
35	Conducting Nature Camps to School and College children	08°57' 56.96" N 077°04' 10.17" E	Thenmala	LS	LS	LS	0.20		
36	Conducting Nature Camps to School and College children	08°55' 10.1" N 077°05' 50.7" E	Kattilappara						
Thiruvananthapuram WL Division									
37	Conducting Nature Camps to School and College children	N8 054' 489" E 77 014" 026 N8 037' 18.0" E 77 08'12.3" N8 055' 608" E 77 015' 593"	Neyyar, Peppara & ABP Range, Kottoor	LS	LS	LS	0.20		
Subtotal						LS	LS	0.40	0.00
FD PT Kottayam									
Periyar East Division									
38	Conducting Nature Camps to School and College children	77.167366 9.601616	Vallakkadavu, Periyar and Thekkady	LS	LS	LS	0.20		
Periyar West Division									

39	Conducting Nature Camps to School and College children	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha & Pampa Ranges	LS	LS	LS	1	0.20	0.16
Idukki Division									
40	Conducting Nature Camps to School and College children		Idukki & Thattekkad	LS	LS	LS	1	0.20	0
Munnar WL Division									
41	Conducting Nature Camps to School and College children	N 10°5' 6.71" E 77° 3'29.53" N 10° 8' 13.47" E 77° 15'15.88" N 10° 21' 11.95" E 77° 13'12.96"	SNP/ENP/C WS	LS	LS	LS	1	0.20	0.23
				Subtotal		LS	3	0.80	0.39
Wildlife Palakkad									
Silent Valley Division									
42	Conducting Nature Camps to School and college Children	11° 03'51.00" N, 76 ° 32'15.00" E	Bhavani/ Silent Valley	LS	LS	LS		0.20	
Aralam Division									
43	Conducting Nature Camps to School and college Children	11.92183 75.79033 11.87221 75.87146	Aralam, Kottiyoor	LS	LS	LS		0.20	
Parambikulam Division									
44	Conducting Nature Camps to School and college Children	76.66041,10.38496, 76.62050,10.38400 N 10 23 395 , E 076.40 275	Parambikulam TR	LS	LS	LS	1	0.20	0.08
Peechi Division									

45	Conducting Nature Camps to School and college Children	10o 27'54" N 10o 39'47.09N 76o 18'4.122"E 76o 28' 53.155"E N10026'37.8" E 076027'27.50" N10026'25.7" E 076027'03.50" N10o42.713' 10o43.962' E76o27.407' 76o29.899	Peechi, Chimmony and Chulannur WLS	LS	LS	LS	2	0.20	0.18
Wayanad WL Division									
46	Conducting Nature Camps to School and college Children	N 11 35' 49" E 76 13' 27" N 11 35' 59" E 76 02' 07"	MuthangaTh olpetty, Kurichiat, S.Battery	LS	LS	LS	1	0.20	0.19
				Subtotal		LS	LS	1.00	0.45
Social Forestry (SR) Kollam									
Thiruvananthapuram SF Division									
47	Conducting nature camp to scholl and college children	08°32'3.48"N 76°59'22.52"E	Thiruvananthapuram	LS	LS	LS		0.20	
Kollam SF Division									
48	Conducting Nature camp, Exhibition, Seminar etc.	08°59'38.324"N 76°46'24.416"E	Punalur	LS	LS	LS		0.10	
49	Conducting Nature camp, Exhibition, Seminar etc.	08°55'27.221"N 77°00'00.00"E	Kulathupuzha						
50	Conducting Nature camp, Exhibition, Seminar etc.	08°54'2.732"N 76°35'6.421"E	Asramom						
Kottayam SF Division									
51	Conducting Nature camp to schools	09°46'31.52"N 76°84'7.70"E	Ponkunnam Range, Kanakappalam	LS	LS	LS		0.20	
				Subtotal		LS	1	0.50	0.10
Social Forestry (CR) Ernakulam									
Ernakulam SF Division									
52	Conducting Nature camp to schools	N 9° 52' 20.53" E 76° 21' 59.68"	Ernakulam	LS	LS				
				Subtotal		LS	1	0.20	0.20

53	Conducting Nature camp to schools	N 10° 06' 25.02" E 76° 28' 25.17"	Perumbavoor					0.20	0.20
Idukki SF Division									
54	Conducting Nature camp to schools	Idukki District	Idukki	LS	LS	LS		0.20	
Thrissur SF Division									
55	Conducting Nature camp to schools	N 10°31'38.5" E 76°12'51.3"	Thrissur	LS	LS	2	2	0.20	0.74
56	Conducting Nature camp to schools	N 10°18'23.8" E 76°19'60.0"	Chalakydy						
Subtotal						LS	LS	0.60	0.94
Social Forestry (NR) Kozhikode									
Kozhikode SF Division									
57	Conducting Nature camp to schools and College students		Kozhikode	LS	LS	LS		0.20	
Wayanad SF Division									
58	Conducting Nature camp to schools and College students		Thirunelly	LS	LS	LS		0.20	
59	Conducting Nature camp to schools and College students		Bathery & Kalpetta						
60	Conducting Nature camp to schools and College students		Ranipuram						
Kannur SF Division									
61	Conducting Nature camp to schools and College students		Kannur and Thalassery Range	LS	LS	LS		0.20	
Malappuram SF Division									
62	Conducting Nature camp to schools and College students		Nilambur	LS	LS	LS		0.20	
63	Conducting Nature camp to schools and College students		Nilambur						
Subtotal						LS	LS	0.80	0.00
Total						LS	LS	8	2.15
a Infrastructure Development in Tribal Colony & Setting up District Permanent Nurseries									
Southern Circle, Kollam									

	Thiruvananthapuram Division								
1	Providing Infrastructure facilities to Pannikuzhy Tribal Anganwadi in Aryanadu-Palode Section	08° 38' 27.25" 0770 06' 15.62"	Pannikuzhy	LS	LS	LS		1.00	
2	Providing Infrastructure facilities to Theviyarukunnu Tribal Anganwadi in Aryanadu-Palode Section	08° 37' 27.08" 0770 05' 21.70"	Theviyarukunnu	LS	LS	LS		1.00	
3	Providing Infrastructure facilities to Karrakanthodu Tribal Anganwadi in Chooliyamala Section	08° 37' 58.4" 0770 03' 44.0"	Karrakanthodu	LS	LS	LS		1.00	
4	Providing Infrastructure facilities to Ponpara Tribal Community Hall in Chooliyamala Section	08° 38' 57.4" 0770 04' 15.6"	Ponpara	LS	LS	LS		1.00	
5	Providing Infrastructure facilities to Cheruppani Tribal Community Hall in Chooliyamala Section	08° 38' 31.8" 0770 04' 44.9"	Cheruppani	LS	LS	LS		1.00	
6	Providing Infrastructure facilities to Aruviyode Tribal Open Community Hall in Chooliyamala Section	08° 37' 00.4" 0770 03' 54.0"	Aruviyode	LS	LS	LS		1.00	
	Subtotal					LS	LS	6.00	0.00
	Social Forestry Southern Region,								
7	Setting up of district nursery Pathanamthitta		Pathanamthitta	No.	Ls	1	1	15.00	15.96
	Subtotal					1	1	15.00	15.96
	Social Forestry (NR) Kozhikode								
	Wayanad SF Division								
8	Works of District permanent nursery, Kasargode		Kasargode	No	25	1		25	15.96
9	Works of district permanent nursery Chuzhali.	N 11° 35' 37.388 " E 76° 04' 50.51"	Chuzhali	No	30	1		30.00	30.00
	Subtotal					1	0	55	45.96
	Social Forestry Central Region Ernakulam								

10	District permanent nursery, Palakkad		Muttikulangara		30	1		30.00	21.6
Total						1	0	106.00	83.52
b Monitoring & Evaluation									
1	External Monitoring and Evaluation of State CAMPA		State wide	LS	LS	LS		30.00	16
						LS	LS		
Total								30.00	16.00
c Providing infrastructure facility to Field Officers (Training Institutes)									
1	Providing training facilities for SFTI, Arippa - Spill over works of APO 2020-21 & Modernization Works of Central Library	8°30'09.44"N 76°57'30.82"E	Arippa TVM	1	107.00			107.00	60.59
2	Purchase of Arms & ammunition for Firing Range (for arms training) at State Forest Trainig Institute, Arippa		Arippa					20.00	
3	Purchase of 10 No.of Bolero 4*4 vehicles to facilitate protection activities in the field							90.00	
Sub Total								217.00	60.59
								447.30	208.31
TOTAL								2337.29	1542.27
A Part - A - Activities under "Not less than 60%" of the Interest fund category									
(i) To Offset the incremental cost of Compensatory Afforestation, Penal Compensatory									
1	To offset the incremental cost of CA, penal CA, CAT plan etc.	Entire state	Thiruvananthapuram	Ls	Ls	Ls		10.00	
2	Sitting fees and allowances to nominated members	State CAMPA Office	Thiruvananthapuram	Ls	Ls	Ls		1.00	
3	Disbursement of Salary and Allowance to CEO & Deputy CEO	State CAMPA Office	Thiruvananthapuram	LS	LS	LS		25.00	
4	Disbursement of Salary and Allowance to Project Manager cum Accountant (Rs.70,000/month),	State CAMPA Office	Thiruvananthapuram	Each	0.7	10		7.00	8.25
5	Disbursement of Salary and Allowance to Computer Operator	State CAMPA Office	Thiruvananthapuram	LS	LS	LS		6.00	

6	Travel allowance and other expenses related to monitoring of CAMPA activities	State CAMPA Office	Thiruvananthapuram	Ls	Ls	Ls		5.00	0.69
TOTAL								54.00	8.94
Part A (Not less than 60% of the Fund) Total								54.00	8.94
B	Part - B - Activities under "Not more than 40%" of the Interest fund category								
(i)	Computer Equipments								
1	Procurement of Office Stationary item	State CAMPA Office	Thiruvananthapuram	LS	LS	LS		1.00	0.01744
2	Procurement of Laptop	State CAMPA Office	Thiruvananthapuram	Each	1	3		3.00	
3	Procurement of Desktop Computers	State CAMPA Office	Thiruvananthapuram	Each	0.5	4		2.00	2.15
4	Procurement of Computer Printers	State CAMPA Office	Thiruvananthapuram	Each	0.25	4		1.00	
5	Procurement of Photocopier	State CAMPA Office	Thiruvananthapuram	Each	0.5	1		0.50	
6	Procurement of Office Furniture	State CAMPA Office	Thiruvananthapuram	Each	2.5	1		2.50	1.65
7	Hiring of staff car for the use of officers and staff of the State Authority	State CAMPA Office		Ls	Ls	Ls		5.00	
8	Field inspections	State Level	Kerala	Ls	Ls	Ls		5.00	
TOTAL								20.00	3.82
Total Interest Fund Part								74.00	12.76
GRAND TOTAL								2518.99	1603.21

**Chief Executive Officer
State CAMPA Kerala**

STATE CAMPA Annual Plan of Operations 2020-21									
Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
I	Compensatory Afforestation Funds								
(i)	Compensatory Afforestation Works (Creation - Preparatory works)								
	Southern Circle, Kollam								
1	Ranni Division (Raising compensatory afforestation area (Approved in APO 2014-15 & 15-16 but could not be done)	N 9 ⁰ 14' 4.2" E 77 ⁰ 1' 38.2"	Vakalar	Ha	0.7	30	Nil	21.00	4.34
2	Ranni Division (Raising compensatory afforestation area - in lieu of the area diverted for Kanamala Bridge-0.542 Ha, 0.202 Ha for Microwave tower at Lahai, 0.202 Ha for Telephone exchange at Pampa, 3.62 Ha for Chalakayam Pampa road to TDB)	N 9 ⁰ 14' 4.2" E 77 ⁰ 1' 38.2"	Vakalar	Ha	0.7	9.132	Nil	6.39	1.47
	High Range Circle, Kottayam								
3	Compensatory Afforestation work in Munnar Division (CA in lieu of Thottiyar) for preparatory works for planting	N 10 ⁰ 04' 05.71" E 77 ⁰ 11' 24.14"	Devikulam	Ha	0.7	10	5	7.00	8.58
	Eastern Circle, Palakkad								
4	Nilambur (North) Division (Raising Compensatory Afforestation area - Planting and first year maintenance at Thannippoyil)	N11 ⁰ 19' 02.25" E76 ⁰ 13.45' 96"	Thannippoyil	Ha	0.7	1.5	1.5	1.05	1.38
						TOTAL		50.632	35.44
(ii)	Compensatory Afforestation Works (Maintenance)								
	Southern Circle, Kollam								
1	Punalur Division (Second year maintenance of 2019 CA Plantation at Chudalakkunnu in Pathanapuram Range during 2020-21)	N 09 ⁰ 05' 886" E 076 ⁰ 56' 976"	Chudalakkunnu	Ha	0.3	10		3.00	6.68

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
2	Punalur Division (Third year maintenance of 2018 CA Plantation at Kulatharapacha in Punnala Forest station area of Pathanapuram Range)	N 09 ⁰ 04' 296" E 076 ⁰ 58' 691" N 09 ⁰ 04' 475" E 076 ⁰ 58' 662"	Kulatharapacha	Ha	0.3	28		8.40	0
Central Circle, Thrissur									
3	Thrissur Division (Third year maintenance of CA Plantation at Porasserikunnu in Wadakkanchery Range).	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Porasserikunnu in Wadakkanchery Range	Ha	0.3	27.9		8.37	1.05
4	Chalakkudy Division (3rd year maintenance of CA plantation at Chattilampadam area at Vellikulangara Range).	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Chattilampadam in Vellikulangara	Ha	0.3	2.12		0.64	0.63
5	Vazhachal Division (3rd year maintenance of misc.plantation at Poringal Dam site area in Vazhachal Range)	N10 ⁰ 18'52.2", E76 ⁰ 37'47.8"	Poringal Dam site area in Vazhachal Range	Ha	0.3	8		2.40	1.56
TOTAL						76.02		22.81	9.92
Sub Total								58.25	25.69
Total Compensatory Afforestation								58.25	25.69
II Catchment Area Treatment Plan Fund Part									
(i)	River Bank Stabilization								
Southern Circle, Kollam									
1	Thenmala Division (Raising and planting Bamboo, reed and other indigenous seedlings along the river belt)	N 8 ⁰ 38' 25.4" E77 ⁰ 15' 6.41" N 90 39'57.8" E770 1' 59"	Tribal Colony Karimbinthotta m, Andoor Pacha	Ha	0.25	20.00	3.20	5.00	4.76
2	Thiruvananthapuram Division (Raising and planting Bamboo, reed and other indigenous seedlings along the river belt)	N 8 ⁰ 46" 2.5" E77 ⁰ 4' 51.2"	Manakkayam Chittar	Ha	0.25	20.00		5.00	4.3

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
High Range Circle, Kottayam									
3	Munnar Division (Raising Bamboo, reed and other indigenous seedlings)	N 10.074007 E 76.782876	Neriyamangalam	No	2E-04	15000		3.00	4.71
4	Munnar Division (Preparatory works for planting Bamboo, reeds and indigenous seedlings)	N 10.074007 E 76.782876	Neriyamangalam and Adimaly	Ha	0.25	10		2.50	1.68
Central Circle, Thrissur									
5	Malayatoor Division (Raising and planting seedlings of bamboo, reeds and miscellaneous species for river bank stabilisation)	N 10 10" 41.88" E76 39' 55.72" N 10 14" 28.22" E76 49' 27.92" N 10 9" 13.15" E76 47' 12.14"	Thundathil, Edamalaray, Kuttampuzha Range	No	2E-04	10000		2.00	0
6	Vazhachal Division (Preparatory works for planting Bamboo, reeds and indigenous seedlings)	N 10 10" 41.88" E76 39' 55.72" N 10 14" 28.22" E76 49' 27.92" N 10 9" 13.15" E76 47' 12.14"	Thundathil, Edamalaray, Kuttampuzha Range	No	2E-04	20000		4.00	4.5
Eastern Circle, Palakkad									
7	Mannarkkad Division (Raising and planting of seedlings of bamboo, reeds and other miscellaneous species for planting along the river side)	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6"	Attappadi Range		2E-04	10000		2.00	0.49
Social Forestry (Central Region) Ernakulam									
8	Social Forestry Division, Thrissur (Production of Mangrove Seedlings)	N 10 ⁰ 32' 50.6" E76 ⁰ 04" 02"	Thrissur		7E-04	5000		3.50	0

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
9	Social Forestry Division, Idukki (Production of Bamboo Seedlings)	N 9° 33' 45" E76° 47' 45.82" N 9° 50' 39" E76° 51' 41"	Kudayathoor, Paremavu		2E-04	10000		2.00	0.35
Sub Total								29.00	20.79
Total CAT Plan								29.00	20.79
III	Net Present Value of Forest Land Fund Part (Part A - Activities under "Not less than 80%" of the Net Present Value								
	Protection of plantations and forests								
(i)	Eco-restoration activities in monoculture plantations by planting indigenous/misc. species/preparatory works								
	Southern Circle, Kollam								
	<u>Achenkovil Division</u>								
1	2013 TP Savakotta Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 90° 05' 3.3"E 77° 7' 7"	Kallar Range	Ha	0.75	15		11.25	0
2	2010 TP Aruvikkara Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 77° 05' 43.09"E 9° 05' 54.5"	Achankovil Range	Ha	0.75	15		11.25	0
	<u>Thenmala Division</u>								
3	2004 TP Anapettakongan Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 51' 45.1"E 77° 03' 13.79"	Thenmala Range	Ha	0.75	15		11.25	9.27
4	1999 Eucalyptus Plantation Nedumgaloor pacha Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 58' 39"E 77° 03' 41.1"	Thenmala Range	Ha	0.75	15		11.25	1.31
	<u>Thiruvnanthapuram Division</u>								
5	1964 TP Chozhiyacode Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 80' 84.2"E 77° 09' 96.02"	Kulathupuzha Range	Ha	0.75	20.26		15.20	13.71
	<u>Konni Division</u>								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
6	2008 TP Mundomoozhi Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 12' 28.5"E 76° 53' 34.7"	Konni Range	Ha	0.75	15		11.25	4.46
7	2009 TP Adichanpara Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 14' 813"E 76° 52' 804"	Konni Range	Ha	0.75	10		7.50	0
<u>Punalur Division</u>									
8	1961 TP Kadamancode Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 92' 63.6"E 76° 91' 55.1"	Anchal Range	Ha	0.75	10		7.50	0
9	1956 TP Iruthode Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 9° 3' 23.6"E 76° 59' 38"	Pathanapuram Range	Ha	0.75	5		3.75	0
10	1957 TP Verukuzhy Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 8° 53' 52.2"E 77° 2' 12.8"	Pathanapuram Range	Ha	0.75	10		7.50	0
<u>High Range Circle Kottayam</u>									
<u>Kothamangalam Division</u>									
11	1946 TP Thattekadu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 07.45' E 76 ⁰ 40.947'	Kothamangalam Range	Ha	0.75	10		7.50	0.08
12	1947 TP Thattekadu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 07.267' E 76 ⁰ 41.009'	Kothamangalam Range	Ha	0.75	10		7.50	5.00
13	1948 TP Thattekadu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 07.361' E 76 ⁰ 41.133'	Kothamangalam Range	Ha	0.75	6		4.50	4.00
<u>Kottayam Division</u>									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
14	1987 Acacia Kulamavu Eco-restoration Zone (Felling of left over Acacia, prooting of regeneration at regular intervals, planting, weeding SMC works and fireprotection)	09°49'44.7"N 76°54'51.9"E	Nagarampara Range	Ha	1	4		4.00	4.00
15	1992 Acacia Bit I Paremavu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	09°51'09"N 76°57'11.3"E	Nagarampara Range	Ha	1	4		4.00	4.00
<u>Marayur Division</u>									
16	1984 & 1986 Wattle Pothady and Chinna Pothady Eco-restoration Zone (removal of left over wattle, uprooting, SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 17' 46.4" E 77 ⁰ 08' 48.8"	Marayur	Ha	0.75	30		22.50	6.88
<u>Munnar Division</u>									
17	1991 Iddalimotta Wattle Eco-restoration Zone (removal of left over wattle, uprooting, SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 10' 32.9" E 77 ⁰ 09' 03.1"	Devikulam	Ha	0.75	15		11.25	6.89
18	1991 Puthukkudi Wattle Eco-restoration Zone (removal of left over wattle, uprooting, SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 08' 04.176" E 77 ⁰ 10' 38.736"	Devikulam	Ha	0.75	10		7.50	8.34
<u>Central Circle, Thrissur</u>									
<u>Chalakkudy Division</u>									
19	2011 TP Kuttanchira Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 26' 22.5"E 76° 20' 32.5"	Palapilly Range	Ha	0.75	12		9.00	
20	2012 TP Karikkadavu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 22' 11.4"E 76° 26' 10.1"	Pariyaram Range	Ha	0.75	10		7.50	15.41

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
<i>Malayattoor Division</i>								0.00	
21	1983 Acacia Mekkappala 7 Bits Eco-restoration Zone (Felling of left over Acacia, prooting of regeneration at regular intervals, planting, weeding SMC works and fireprotection)	N 10° 09'17.54" E 076° 38' 18.43"	Kodanad Range	Ha	1	5		5.00	
22	1996 Evergreen Plantation (TP) Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 13'08.15" E 076° 33' 36.33"	Kalady Range	Ha	0.75	3.5		2.625	
23	1997 Mulamkuzhi (TP) Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 12'32.47" E 076° 33'38.91'	Kalady Range	Ha	0.75	15		11.25	
24	1978 TP Idamalar Valley Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 11.47.407" E 076° 40'47.236'	Thundathil Range	Ha	0.75	15		11.25	
25	1973 TP Chekuthanmukku Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10° 10'50.041" E 076° 40'26.436"	Thundathil Range	Ha	0.75	10		7.50	
<i>Thrissur Division</i>									
26	1958 TP Thekkumpadam (Augumentation, SMC Works, Weeding, Fire Protection)	N-10°32'50.7" E-076°21'16.5"	Pattikkad Range	Ha	0.75	10		7.50	0.34
<i>Vazhachal Division</i>									
27	1997 TP Athirapally Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 15'12.9" E076 ⁰ 33' 53.2' N 10 ⁰ 15 08.4 E 076 ⁰ 33 16.7	Athirapally Range	Ha	0.75	20		15.00	7.14
28	1995 TP Panjanamkuthu Eco-restoration Zone (SMC Works, removal of weeds, augmentation planting, fire protection etc)	N 10 ⁰ 18' 40.76" E 76 ⁰ 34' 44.63"	Charpa Range	Ha	0.75	5		3.75	4
<i>Eastern Circle, Palakkad</i>									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
<u>Nilambur (North) Division</u>									
29	1978 Thanuppan Chola Eucalyptus Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°24.0'32.4" E-076°22'49.3"	Vazhikkadavu Range	Ha	0.75	1		0.75	0.53
30	1996 Thanuppan Chola Eucalyptus Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°25.0'12.8" E-076°22'47.1"	Vazhikkadavu Range	Ha	0.75	1		0.75	0.66
31	2002 Thottappala Eucalyptus Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°21'19.2" E-076°19'26.5"	Vazhikkadavu Range	Ha	0.75	1		0.75	0.73
32	2000 Udumboyil Eucalyptus Eco-estoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°13'59.44" E-076°10'11.24"	Vazhikkadavu Range	Ha	0.75	0.2		0.150	0.15
33	2004 Manchalkkode Eucalyptus Eco-estoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°25'45.52" E-076°19'30.85"	Vazhikkadavu Range	Ha	0.75	4.5		3.375	1.08
34	1976 TP Kolanipadi Bock I Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°23'09.265" E-076°17'10.234"	Vazhikkadavu Range	Ha	0.75	10		7.50	0.58
<u>Nilambur (South) Division</u>									
35	1974 Nedumgayam Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°17'35.3" E-076°21'21.6"	Karulai Range	Ha	0.75	10		7.50	5.32
36	1982 Vattikkal Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N-11°17'35.3" E-076°21'21.6"	Karulai Range	Ha	0.75	8		6.00	7.05
<u>Palakkad Division</u>									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
37	1979 Sappal TP Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 10°52'35.0" E76° 36' 55.0"	Olavakkode Range	Ha	0.75	7		5.25	4.07
38	1965 Elival TP Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 10°52'58.8" E76° 38' 32.6"	Olavakkode Range	Ha	0.75	4		3.00	2.63
<u>Nemmara Division</u>									
39	1963 Eucalyptus Myladumpara Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 10°32'12.34" E076° 33' 26.22'	Nelliyampathy Range	Ha	0.75	8		6.00	5.83
40	1964 Thiruvazhiyad TP Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 10°32'28.13" E076° 33' 37.96'	Nelliyampathy Range	Ha	0.75	5		3.75	3.7
41	1965 Ayilamudi TP Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 10° 33'03.66" E076° 33' 25.49'	Nelliyampathy Range	Ha	0.75	10		7.50	6.31
<u>Northern Circle, Kannur</u>									
<u>Wayanad (North) Division</u>									
42	1958 T&SW Ondayangadi Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 49' 59.89" E 76° 2' 19.61"	Begur Range	Ha	0.75	12	12	9.00	2.51
<u>Wayanad (South) Division</u>									
43	1992 Eucalyptus Parathode Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 37' 27" E 75°59' 27.3"	Kalpetta Range	Ha	0.75	10	10	7.50	7.50
44	1997 Koncherikunnu Eucalyptus Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 37' 58.4" E 75° 59' 4.2"	Kalpetta Range	Ha	0.75	10	19.1	7.50	8.03

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
Field Director (Project Tiger) Kottayam									
<u>Periyar (East)</u>									
45	1966 Vallakkadavu Eucalyptus Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 31' 40.807" E 77° 6' 40.25"	Vallakkadavu Range	Ha	0.75	5		3.75	2.50
46	1989 Circlular road Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 30' 23.64" E 77° 7' 12.32"	Vallakkadavu Range	Ha	0.75	5		3.75	2.50
47	1989 Circlular road Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 30' 17.94" E 77° 8' 14.97"	Vallakkadavu Range	Ha	0.75	5		3.75	2.50
48	1990 Dam site Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 31' 22.86" E 77° 8' 14.52"	Vallakkadavu Range	Ha	0.75	5		3.75	2.07
<u>Periyar (West)</u>									
49	1962 Uppupara Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 28' 43.97" E 77° 5' 57.53"	Azhutha Range	Ha	0.75	2	2	1.50	1.50
50	1964 Seethakulam Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 29' 53.105" E 77° 5' 3.264"	Azhutha Range	Ha	0.75	10	10	7.50	7.50
51	1980 Maniyadipalam Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 24' 53.88" E 77° 8' 21.7"	Pamba Range	Ha	0.75	5	5	3.75	3.75
52	1963 Vamanakulam Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 29' 39.92" E 77° 7' 16.76"	Pamba Range	Ha	0.75	5	5	3.75	3.75

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
53	1963 Towerline Eco-restoration Zone (planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 9° 29' 6.68" E 77° 7' 54.6"	Pamba Range	Ha	0.75	3	3	2.25	2.25
CCF (Wildlife), Palakkad									
Wayanad Wildlife Division									
54	1963 TP Tholpetty Eco-restoration Zone (killing of senna trees, uprooting of senna seedlings, promoting natural regeneration by seed dibbling and planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 56' 36.096" E 76° 3' 58.86"	Tholpetty Range	Ha	0.75	12.00	6.00	9.00	3.51
55	1964 TP Tholpetty Eco-restoration Zone (killing of senna trees, uprooting of senna seedlings, promoting natural regeneration by seed dibbling and planting, fire protection, weeding, engaging man mazdoor, smc works etc.)	N 11° 56' 53.988" E 76° 4' 30.036"	Tholpetty Range	Ha	0.75	10.00	5.00	7.50	3.00
TOTAL						493.46		373.3450	186.34
(ii)	Protection of Reserch Plots and Seed Production Areas								
Research (North), Division									
1	Maintenance of Bamboo trial plot at Venmani	N 11° 49' 42.8" E 75° 55' 45.7"	Venmani	Ha	0.075	5		0.38	
2	Maintenance of Simaruba glauca plot at Venmani	N 11° 49' 37.5" E 75° 55' 46.0"	Venmani	Ha	0.075	5		0.38	
3	Maintenance of Permanent Preservation Plot Pine at Chandanathode	N 11° 50' 97.5" E 75° 48' 22.7"	Chandanathode	Ha	0.075	14		1.05	0
4	Maintenance of Permanent Preservation Plot Andaman padoak at Nedumpoyil	N 11° 55' 04.05" E 75° 45' 11.5"	Nedumpoyil	Ha	0.075	0.39		0.03	
5	Maintenance of Permanent Preservation Plot Teak at Kolayad	N 11° 50' 55.3" E 75° 40' 97.0"	Kolayad	Ha	0.075	1		0.08	

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
6	Maintenance of Permanent Preservation Plot arboratum at Vattapoyil	N 11° 50' 18.3" E 75° 40' 71.8"	Vattapoyil	Ha	0.075	0.25		0.02	
7	Maintenance of Permanent Preservation Plot Rosewood at Pokalamalam	N 11° 44' 10.1" E 76° 14' 17.0"	Pokalamalam	Ha	0.075	4.6		0.35	
8	Maintenance of Permanent Preservation Plot (Experimental garden-Bit I & II) at Begur	N 11° 53' 73.2" E 76° 04' 35.2"	Begur	Ha	0.075	7.94		0.60	
9	Maintenance of Permanent Preservation Plot Teak at Begur	N 11° 52' 84.8" E 76° 04' 66.6"	Begur	Ha	0.075	10		0.75	
10	Maintenance of Permanent Preservation Plot Mahagony at Kolayad	N 11° 50' 53.6" E 75° 41' 83.3"	Kolayad	Ha	0.075	10		0.75	
11	Maintenance of Research Plot at Mallankuzhy	N 10° 42' 33.7" E 76° 08' 59.9"	Mallankuzhy	Ha	0.075	6		0.45	
12	Maintenance of Research Plot at Madathikkunnu	N 10° 37' 29.9" E 76° 17' 28.7"	Madathikkunnu	Ha	0.075	8		0.60	
13	Maintenance of Research Plot at Kudampuli at Mundoor	N 10° 50' 16.9" E 76° 34' 8.3"	Mundoor	Ha	0.075	1.14		0.09	
14	Maintenance of Research Plot of Njaval at Puliampully	N 10° 52' 19.8" E 76° 35' 36.3"	Puliampully	Ha	0.075	2		0.15	
15	Maintenance of Research Plot of Bamboo at Kunnukadu	N 10° 50' 51.0" E 76° 34' 27.3"	Kunnukadu	Ha	0.075	4.18		0.31	
16	Maintenance of in-situ conservation plot at Vallikkode and Malampuzha	N 10° 48' 55.5" E 76° 35' 51.7"	Malampuzha	Ha	0.075	49.58		3.72	
17	Maintenance of Research Plot of Mavu at Munnoorkodu	N 10° 51' 9.0" E 76° 22' 36.9"	Munnoorkodu	Ha	0.075	2.5		0.19	
18	Maintenancae of research plot at Virippaka	N 10° 51' 9.0" E 76° 17' 26.7"	Virippaka	Ha	0.075	3		0.23	
19	Vadapuram Mavu Kudampuli Plot in Nilambur	N 11° 06' 56.39" E 76° 07' 34.39"	Nilambur	Ha	0.075	3		0.23	
20	Cost of Maintenance of Dalbergia plots at Vadapuram, Nilambur Range	N 11° 09' 23.97" E 76° 07' 34.36"	Vadapuram	Ha	0.075	0.8		0.06	

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
21	Teak trial Plot at Ramallur in Eadavanna Range	N 11° 12' 58.60" E 76° 12' 22.57"	Ramallur	Ha	0.075	2		0.15	
22	Cost of Maintenance of Seedling seed orchard & Clonal Seed Orchard 2000 at Old Amarambalam, Kalikavu Range	N 11° 08' 01.79" E 76° 10' 01.2"	Old Amarambalam	Ha	0.075	7.5		0.56	
23	Cost of Maintenance of plus trees plots(Thanni, Karimaruthu), Nilambur Range	N 11° 10' 11.35" E 76° 10' 19.09"	Nilambur	Ha	0.075	2.5		0.19	
24	Cost of Maintenance of 1986 Teak Provenance Trial Plot Nellikkuth, Vazhikadavu Range	N 11° 12' 53.1" E 76° 12' 37.33"	Nellikkuth	Ha	0.075	5		0.38	
25	Mtce. Of 1976 TP -TSPA Mathamangalam of Chedalath Range	N 11° 45' 08.7" E 076° 13'27.1"	Mathamangalam	Ha	0.08	37.3		2.80	
26	Mtce. Of 1977 TP -TSPA Mathamangalam of Chedalath Range	N 11° 45' 46.4" E 076° 13'44.1"	Mathamangalam	Ha	0.08	38.1		2.86	
27	Mtce. Of 1977 TP -TSPA Changambam of Chedalath Range under Research Manathavady Range	N 11° 49' 01.9" E 076° 08'12.2"	Changambam	Ha	0.08	61.5		4.61	
28	Mtce. Of 1981 Bit ITP -TSPA Begur of Begur Range under Research Manathavady	N 11° 52' 57.52" E 076° 33'43.2"	Begur	Ha	0.08	51.5		3.86	
29	Cost of maintenance of 1970 TSPA, Nedunkayam, Karuli Range	N 11° 17.845 E 076° 20.114	Nedunkayam	Ha	0.08	55.4		4.16	
30	Cost of maintenance of 1973 TSPA, Nedunkayam Karulai Range	N 11° 16.940 E 076°20.345	Nedunkayam	Ha	0.08	65		4.88	
31	Cost of maintenance of 1970 TSPA, Poolakkapara, Karuali Range	N 11° 21.722 E 076° 22.031	Poolakkapara	Ha	0.08	43		3.23	
32	Cost of maintenance of 1972 TSPA Nedumkayam	N 11° 16.943 E 076° 20.343	Nedumkayam	Ha	0.08	9		0.68	
33	Cost of maintenance of 1971 TSPA, Cherupuzha, Karulai Range	N 11° 16.855 E 076° 12.555	Cherupuzha	Ha	0.08	20		1.50	38.8
	Reserach (South), Division								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
34	Maintenance of 2000 TCSO at Decentmukku	N 08° 50.48.4'E 077° 01.57.4'	Decentmukku	Ha	0.244	1.72		0.42	
35	Maintenance of 2000 Medical Demonstration Garden at Chozhiyakode	N 08° 54.11.2' E 077° 04.07.2'	Chozhiyakode	Ha	0.140	4.5		0.63	
36	Maintenance of 2016 TCSO at Central Nursery, Kulathupuzha	N 08° 54.02.2' E 077° 03.49.0'	Kulathupuzha	Ha	0.973	0.75		0.73	
37	Maintenance of 2019 Trial Plots of Teak Clones under custody of KFDC Peringamala	N 08° 43.677' E 077° 03.744'	Peringamala	Ha	0.560	2		1.12	
38	Maintenance of 1980 Sandal Seed Stand at Anakkalpetty	N 10° 14.767' E 077° 09.767'	Anakkalpetty	Ha	0.22	2.00		0.44	
39	Maintenance of 1980-81 Sandal Seed Stand at Anakkalpetty	N 10° 14.780' E 77° 09.366'	Anakkalpetty	Ha	0.18	3.20		0.58	
40	Maintenance of 1982 Sandal Seed Stand at Nachivayal	N 10° 14.969'E 077° 09.392'	Nachivayal	Ha	0.17	5.90		1.00	
41	Maintenance of 1983 Sandal Regeneration Trial Plot at Nachivayal	N 10° 15.279'E 77° 09.489'	Nachivayal	Ha	0.19	4.40		0.84	
42	Maintenance of 1981 Sandal Seed Stand at Anakkalpetty	N 10° 14.956' E 77° 09.392'	Anakkalpetty	Ha	0.175	5.50		0.96	
43	Maintenance of 1982 Sandal Seed Stand at Anakkalpetty	N 10° 14.963' E 77° 09.380'	Anakkalpetty	Ha	0.185	4.60		0.85	
44	Maintenance of 1985 Sandal Seed Stand at Nachivayal	N 10° 15.184' E 77° 09.462'	Nachivayal	Ha	0.2	3.30		0.66	
45	Maintenance of 1987 Sandal Regeneration Trial Plot at Anakkalpetty	N 10° 14.953' E 077° 09.181'	Anakkalpetty	Ha	0.19	4.40		0.84	
46	Maintenance of 2005 Gene Bank of Fruit bearing Trees at Chully	N 10° 15.698' E 76° 27.980'	Chully	Ha	0.4	1.00		0.40	
47	Maintenance of 2014-15 Teak CSO and CHG plot at Chettikkulam	N 10° 20.434'E 76° 23.382', N 10° 20.488' E 76° 23.473'	Chettikkulam	Ha	0.364	1.10		0.40	

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
48	Maintenance of 2016 Experimental plot for comparative study of teak plantations raised through teak stump and root trainer seedlings site quality-II at Karikkadavu	N 10° 22.546' E 76° 27.450'	Karikkadavu	Ha	0.29	2.00		0.58	
49	Maintenance of 2016 Experimental plot for comparative study of teak plantations raised through teak stump and root trainer seedlings site quality-IV at Karikkadavu	N 10° 22.565' E 76° 27.216'	Karikkadavu	Ha	0.29	2.00		0.58	
50	Maintenance of 1983 <i>Pterocarpus santalinus</i> permanent preservation plot at Palalpilly	N 10° 25.380' E 76° 20.567'	Palalpilly	Ha	0.093	1.07		0.10	10.67
TOTAL						585.62		51.34	49.47
(iii)	Organising Joint Patrolling and Raids along inter-divisional and interstate boundaries								
Southern Circle, Kollam									
1	Achenkovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Kallar, Kanayar ranges	Each	0.1	12		1.20	1.17
2	Thenmala, Division	N 8° 59' 39" E 77° 08' 30.8", N 90 39" 00" E 770 00' 28.7"	Kadamanpara, Thenmala Edamaon	Each	0.1	12		1.20	0.26
3	Thiruvananthapuram, Division	N 8° 80' 84.2" E 77° 09' 96.02"	Paruthipally, Palode, Kulathupuzha Ranges	Each	0.1	12		1.20	0.69
4	Ranni, Division	N9°18'44.22" E7701'43.9" N9°16.69' E7701'16.5"	Goodrikkal, Vadasserikkara and Ranni Ranges	Each	0.1	12		1.20	0.36

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
5	Punalur, Division	N 8° 55" 41.4" E 76° 54' 52"	Pathanapuram and Anchal Ranges	Each	0.1	5		0.50	0.00
6	Konni, Division	N 9° 12' 28.5" E 76° 53' 34.7"	Mannarappara and Naduvathumoozhy Ranges	Each	0.1	12		1.20	1.33
High Range Circle, Kottayam									
7	Kottayam, Division	09°52'01.7"N 76°55'07.4"E, 09°47'39.6"N 77°02'51.5"E, 09°28'56.1"N 76°58'59.7"E	Nagarmapara, Erumeli and Ayppankovil Ranges	No	0.1	12		1.20	1.21
8	Munnar, Division	10°02'52.7"N 76°48'55.4"E, 10°05'25.1"N 76°51'08.2"E, 10°04'15.4"N 76°53'34.7"E, 10°11'52.9"N 77°00'39.9"E, 10°06'36.7"N 77°11'09.3"E	Munnar, Adimaly, Devikulam and Neriamangalam Ranges	No	0.1	12		1.20	2.04
9	Mankulam, Division	10°07'13.7"N 76°58'03.5"E, 10°09'12.2"N 76°55'32.4"E	Mankulam and Anakkulam Ranges	No	0.1	12		1.20	0.17
10	Marayur, Division	10°15'53"N 77°06'59.1"E, 10°11'23.8"N 77°09'45.5"E	Marayur and Kanthallur Ranges	No	0.1	12		1.20	1.16
11	Kothamangalam, Division	09°51'41.8"N 76°52'57"E, 09°55'28.5"N 76°51'48.1"E, 10°00'56.9"N 76°48'51"E	Kaliyar and Thodupuzha Ranges	No	0.1	12		1.20	1.99
Central Circle, Thrissur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
12	Thrissur, Division	N10 ⁰ 43'24" E76 ⁰ 11'24.11"	Pattikkad & Machad Ranges	Each	0.1	12		1.20	1.21
13	Chalakkudy, Division	N10 ⁰ 22'049" E76 ⁰ 20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Each	0.1	12		1.20	0.6
14	Vazhachal, Division	N100 16' 51.1"E 76 38'14.10" N100 19' 27.6"E 76 40'41.6"	Vazhachal, Kollathirumedu, Sholayar, Athirapally and Charpa Ranges	Each	0.1	12		1.20	0.52
15	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalayar, Kodanad, Kalady, Kuttampuzha Ranges	Each	0.1	12		1.20	0.76
Eastern Circle, Palakkad									
16	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42' 46.6", N 11 ⁰ 07' 57.24" E 76 ⁰ 35' 43.2", N 10 ⁰ 52' 53.2" 76 ⁰ 44' 51.3"	Attappadi, Agali and Mannarkkad Ranges	Each	0.1	12		1.20	1.57
17	Palakkad, Division	N 10 ⁰ 48' 11.86" E 76 ⁰ 38' 10.69"	Walayar and Olavakkode Ranges	Each	0.1	6		0.60	0.33
18	Nilambur (South), Division	N 11 ⁰ 16' 14.07" E 76 ⁰ 10' 57.01" N 11 ⁰ 23' 32.1" E 76 ⁰ 21' 38.1"	Karulai and Kalikavu Ranges	Each	0.1	6		0.60	1.49

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
19	Nilambur (North), Division	N11° 23' 10" E76° 21' 16.3", N 11° 23' 34" 76° 17' 8"	Edavanna and Vazhikadavu Ranges	Each	0.1	6		0.60	0.44
Northern Circle, Kannur									
20	Kasargode, Division	N 120 41' 6.30" E750 36" 41.3"	Kasargode Ragne	Each	0.1	5		0.50	0.494
21	Kannur, Division	N 11° 50' 54.4" E75° 41' 57.6"	Kannavan and Kottiyur Ranges	Each	0.1	6		0.60	0
22	Wayanad (South), Division	N 11° 49' 30.8" E 76° 5' 7.84"	Meppady and Chedelath Rages	Each	0.1	6	3	0.60	0.719
22	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya and Mananthavady Ranges	Each	0.1	6		0.60	0.915
ABP Circle, Thiruvananthapuram									
23	Shendurney Wildlife Sanctuary	N 8° 53' 36.6" E77° 7' 15.7" N 8° 54' 47.3"	Entire Division	Each	0.1	3		0.30	
24	Thiruvananthapuram Wildlife, Division	N 8° 32' 45.3" E 77° 11' 42.1"	Neyyar, Peppara and ABP Ranges	Each	0.1	3		0.30	0.42
TOTAL						232		23.20	19.85
(iv)	Interior Campshed maintenance								
Eastern Circle, Palakkad									
1	Mannarkkad, Division	N -11° 05' 57.6" E- 076° 39' 29.8"N -10° 02' 53.0" E- 076° 33' 39.5"	Sholayar, Anamooly	No.	1.00	2		2.00	2.31

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
2	Palakkad, Division	N 10° 51' 27.96, E 76° 47' 01.75 N-10° 54' 18.8", E-076° 38' 24.6"	Thottapura Palamala, (Elival)	No.	1.00	2		2.00	0.35
3	Nilambur (South), Division	N 11°18'085" E 76°20'006" N 11°13'22.26" E76°21'20.62"	Pulikkalakai Nellikkara	No.	1.00	2		2.00	3.06
Northern Circle, Kannur									
4	Wayand (North), Division	N 11° 43' 37.71" E 075° 54' 00.71" N 11° 50' 147.24" E 075° 48' 0.47"	Perincherimala Chandanthode	No.	2.50	2		5.00	5.401
5	Wayand (South), Division	N 11 51 353 E 076 12 152 N: 110.34'.17.6" E: 0750 59'51.22"	Chedalath Kalpetta	No.	2.50	2	1	5.00	5.055
Central Circle, Thrissur									
6	Vazhachal, Division	N100 16' 51.1"E 76 38'14.10" N100 19' 27.6"E 76 40'41.6"	Vazhachal, Kollathirumedu	No.	1.00	2		2.00	2.72
Southern Circle, Kollam									
7	Konni, Division	09 13 82.2" 076 53 24.71"	Mathaimuruppu	No.	2.50	1		2.50	1.66
8	Punalur, Division	9005'40.4" 77000'27.1"	Cheruppittakavu	No.	2.50	1		2.50	1.06
9	Ranni, Division	9018'44.22" 7701'43.9" 9016.69' 7701'16.5"	Kochukoical & Vakalar	No.	2.50	2		5.00	1.61
10	Thenmala, Division	08 53' 34.6 ' 77 10' 34.5"	Aryankavu	No.	2.50	1		2.50	2.26
High Range Circle, Kottayam									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
11	Munnar, Division	N 09°58'35.4" E 076°56'55.01"	Varayattumudy in Adimaly Range/ Koyyamala in Munnar Range	No.	1.00	2		2.00	1.75
12	Marayoor, Division	N10 ⁰ 15'07.31 E 7708'28.14, N10 ⁰ 16 8.52 E77 ⁰ 09' 11'27 "N10 ⁰ 15 41.77 E77 ⁰ 07' 23'53 ", N10 ⁰ 17 02.45 E77 ⁰ 12' 10-'48 ",N10 ⁰ 15 17.12 E77 ⁰ 12' 25.51 ", N10 ⁰ 12 57.49 E77 ⁰ 09' 53-'55 "	Sekharkuzhi, Mattumantha Palappetty Nagamala Anjuveed Theerthamala	No.	2.00	6		12.00	10.37
TOTAL						25.00		44.50	37.61
(v)	Provision of field ration for interior camps								
	Southern Circle, Kollam								
1	Achankovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Achenkovil, Kallar and Kanayar Ranges	Each	0.3	5		1.50	0.58
2	Thenmala, Division	N 8° 58" 29.32" E77° 08' 29.5", N 90 36" 55.1" E770 07' 30.1"	Darfakulam, Kottavasal, Thenmala, Edamon & Kalluvarambu	Each	0.3	5		1.50	1.00

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
3	Thiruananthapuram, Division	N 8° 46' 8.2" E 77° 05' 39.8"	Manachala, Noottiyanchu, Varayadumotta, and Vattappara	Each	0.3	5		1.50	1.39
4	Punalur, Division	N 8° 55' 41.4" E 76° 54' 52", N 90 05" 26" E 760 51' 21"	Pathanapuram Range	Each	0.3	1		0.30	0.04
5	Konni, Division	09 13 82.2" 076 53 24.71"	Mathaimuruppu	Each	0.3	4		1.20	0.55
High Range Circle, Kottayam									
6	Kottayam, Division	09°52'01.7"N 76°55'07.4"E, 09°47'39.6"N 77°02'51.5"E, 09°28'56.1"N 76°58'59.7"E	Nagarambara, Erumeli, Madhamba	Each	0.3	3		0.90	0.79
7	Kothamangalam, Division	N 9° 50' 7.19" E 76° 45' 20.21", N 9° 50' 7.19" E 76° 45' 20.21"	Mullaringad and Thodupuzha Ranges	Each	0.3	3		0.90	0.30
8	Munnar, Division	10°02'52.7"N 76°48'55.4"E, 10°05'25.1"N 76°51'08.2"E, 10°04'15.4"N 76°53'34.7"E, 10°11'52.9"N 77°00'39.9"E, 10°06'36.7"N 77°11'09.3"E	Munnar, Devkulam, Adimali and Neriya mangalam	Each	0.3	8		2.40	6.30
9	Mankulam, Division	10°07'13.7"N 76°58'03.5"E, 10°09'12.2"N 76°55'32.4"E	Pampadumpara, Pullinala, Kilikally, Orulkuthi, Beglavuthara	Each	0.3	4		1.20	1.67

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
10	Marayoor, Division	N 10° 17' 2.57" E 77° 12' 9.96" N 10° 15' 53.43" E 77° 12' 6.45" N 10° 15' 16.95" E 77° 12' 25.77" N 10° 15' 41.59" E 77° 7' 23.26"	Palapetty, Vannathura, Anchuveedu, Nagamala	Each	0.3	4		1.20	0.98
Central Circle, Thrissur									
11	Thrissur, Division	N100 43'24", E76011'24.11"	Wadakkanchery, Machad, Pattikkad Ranges	Each	0.3	3		0.90	0.9
12	Chalakkudy, Division	N100 22'049", E76020'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Each	0.3	6		1.80	1.66
13	Vazhachal, Division	N100 17'41.8" E760 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar	Each	0.3	8		2.40	0.83
14	Malayatoor, Division	N100 13'22.8" E760 31'80.1"	Thundathil, Edamalar, Kodanad, Kalady, Kuttampuzha Ranges	Each	0.3	8		2.40	1.23
Eastern Circle, Palakkad									
15	Mannarkkad, Division	N 11° 02' 26.9" E76° 42' 46.6"N 11° 07' 57.24" 76° 35' 43.2" N 10° 52' 53.2" 76° 44' 51.3"	Attappadi, Agali & Mannarkkad Ranges	Each	0.3	5		1.50	0.85

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
16	Palakkad, Division	N 10° 48' 11.86" E 76° 38' 10.69"	Olavakode, Ottappalam & Walayar	Each	0.3	3		0.90	0.40
17	Nilambur (North), Division	N 11° 19' 31.8" E 76° 10' 21.2" N 11° 19' 28.06" E 76° 8' 26.34" N 11° 20' 50.19" E 76° 17' 22.61" N 11° 21' 29.3" E 76° 13' 56.3"	Edavanna, Vazhikadavu, Nilambur	Each	0.3	3		0.90	0.35
18	Nilambur (South), Division	N 11° 17' 49.41" E 76° 22' 56.76"	Kalikavu & Karulayi Range	Each	0.3	3		0.90	0.2
19	Nemmara, Division	N 10° 37' 11.6" E 76° 30' 7"	Nelliampathy and Alathur Ranges	Each	0.3	4		1.20	1.04
Northern Circle, Kannur									
20	Kozhikode, Division	N 11° 31' 58.1" E 75° 57' 33.1"	Athikode	Each	0.3	2	2	0.60	0.81
21	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya, Mananthavady	Each	0.3	5	4	1.50	1.4
22	Kannur, Division	N 11° 48' 3.21" E 75° 40' 7.84" N 11° 49' 6.37" E 75° 44' 2.41"	Narikode, Chembukavu, Kottiyoor	Each	0.3	3	1	0.90	0.52
ABP Circle, Thiruvananthapuram									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
23	Shendurney Wildlife Sanctuary	N 8° 53' 36.6" E 77° 7' 15.7" N 8° 54' 47.3"	Umayar, Darfakulam, Pandimotta, Rockwood, Kallar, Idimuzhagompara	Each	0.3	2		0.60	0.72
24	Thiruvananthapuram Wildlife, Division	N 8° 35' 21.9" E 77° 08' 55.2", N 8° 52' 31.4" E 77° 11' 33.2" N 8° 54' 39.3" E 77° 12' 10.6" N 8° 49' 38.4" E 77° 13' 17.6" N 8° 52' 16.1" E 77° 07' 14.4" N 8° 52' 6.5" E 77° 09' 2.5" N 8° 55' 3" E 77° 07' 39.6"	Neyyar, Peppara and ABP Ranges	Each	0.3	4		1.20	1.20
CCF (Wildlife), Palakkad									
25	Wayanad Wildlife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	Each	0.3	5		1.50	1.41
TOTAL						106		31.80	27.12
(vi)	Field survival kits and field equipments								
High Range Circle, Kottayam									
1	Kottayam, Division	09°35'18.2"N 76°32'34.6"E	Ayyappankovil, Erumeli Ranges	unit	0.25	5		1.25	3.45

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
2	Munnar, Division	10°03'49.3"N 77°06'04.9"E	Admimaly, Neriamangalam, Devikulam and Munnar Range	unit	0.25	4		1.00	0.66
Central Circle, Thrissur									
3	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Vadakkanchery, Machad and Pattikkad Rages	unit	0.25	6		1.50	1.57
4	Chalakkudy, Division	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Pariyaram, Vellikkulangara and Palapilly Ranges	unit	0.25	6		1.50	1.76
5	Vazhachal, Division	N10 ⁰ 17'41.8" E76 ⁰ 30'31.8"	Charpa, Kollathirumedu, Sholayar, Vazhachal Ranges	unit	0.25	6		1.50	2.00
6	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Kodanad, Kuttampuzha, Thundathil and Edamalayar Ranges	unit	0.25	6		1.50	1.75
Eastern Circle, Palakkad									
7	Palakkad, Division	N 10° 51 27.96, E 76° 47 01.75	Palakkad	unit	0.25	6		1.50	0.76
Northern Circle, Kannur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
8	Wayanad, South Division	N 11° 36' 47.5" E 76° 4' 31.1", N 11° 36' 47.5" E 76° 4' 31.1", N 11° 49' 30.8" E 76° 5' 7.84"	Kalpetta, Sugandagiri, Padinjarethara and Kuruva areas	unit	0.25	4		1.00	1.406
ABP Circle, Thiruvananthapuram									
9	Shenduruney, Wildlife Division	N 08°51'31" E 077°12'38"	Thenmala	unit	0.25	2		0.50	0.45
High Range Circle, Kottayam									
10	Kottayam, Division	09°35'34.1"N 76°31'44.6"E	Murinjapuzha, Vandanpathal, Plachery	unit	0.25	4		1.00	
Northern Circle, Kannur									
11	Kannur, Division	N 11° 50' 56.2" E 75° 39' 32.9" N 11° 51' 14.3" E 75° 44' 47.6"	Kannavam Nedumpoyil	unit	0.25	4		1.00	0.31
Wildlife Palakkad									
12	Wayanad Willdife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	unit	0.25	4		1.00	1.43
TOTAL						57		14.25	15.55
Improvement of habitat as prescribed in the approved wildlife management plan/working plan									
(vii)	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)								
Northern Circle, Kannur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
1	Wayanad (North), Division	N 11° 50' 57.57" E75° 50' 14.6", N 11° 47' 57.94" E75° 50' 1.91", N 11° 45' 59.85" E75° 49' 44.99", N 11° 48' 11.66" E75° 50' 6.16", N 11° 45' 44.74" E75° 49' 57.93"	Mubarak EFL Challuramthari Kunkichira Makkipoyil Chettukandam	Ha	0.15	15		2.25	1.251
TOTAL						15		2.25	1.25
(viii)	Eradication of Exotic Weeds								
	Southern Circle, Kollam								
1	Thenmala, Division	N 8° 58' 29.32" E77° 08' 29.5", N 90 39" 57.8" E770 01' 59"	Kadamanpara FS and Andoorpacha	Ha	0.15	10		1.50	1.7
2	Ranni, Division	N9020'20.98" E7709'0.13"	Goodrikkal, Vadasserikkara and Ranni Ranges	Ha	0.15	10		1.50	2.01
3	Konni, Division	N09° 13 28.2" E076° 53 34.71"	Mannarappara, Konni and Naduvathumooz hy Ranges	Ha	0.15	10		1.50	1.08
	High Range Circle, Kottayam								
4	Munnar, Division	10°10'12.8"N 77°10'17.4"E, 10°08'03.6"N 77°08'07.9"E, 10°04'22.1"N 77°11'24.1"E	Munnar and Devikulam	Ha	0.15	50		7.50	0.25

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
5	Marayoor, Division	N 10° 15' 15.14" E 77° 10' 56.78" N 10° 14' 2.03" E 77° 11' 26.56" N 10° 15' 24.31" E 77° 08' 47.82" N 10° 15' 25.66" E 77° 8' 53.05"	Marayoor and Kanthalloor	Ha	0.15	50		7.50	8.65
Central Circle, Thrissur									
6	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Vadakkachery, Machad, Pattikkad	Ha	0.15	20		3.00	
7	Vazhachal, Division	N 10° 15' 34.5" E 76° 39' 58.8", N 10° 17' 44.15" E 76° 37' 23.01", N 10° 18' 3.8" E 76° 36' 45", N 10° 17' 10.9" E 76° 40' 12.7"	Kollathirumedu, Charpa & Vazhachal Ranges	Ha	0.15	30		4.50	3.68
8	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalar, Kodanad, Kalady, Kuttampuzha Ranges	Ha	0.15	40		6.00	
Eastern Circle, Palakkad									
9	Nilambur (South) Division	N11°17'49.41" E 76°22'56.76"	Karalayi and Kalikavu Range	Ha	0.15	20		3.00	2.96
Northern Circle, Kannur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
10	Wayanad (South), Division	N 11° 37' 20.9" E 75° 59' 44.1", N 11° 37' 59.6" E 75° 59' 4.1", N 11° 38' 19.6" E 75° 57' 55.8", N 11° 38' 18.5" E 75° 57' 59.4", N 11° 33' 54.1" E 76° 07' 32.2", N 11° 49' 13.307" E 75° 54' 53.95"	Kalpetta, Meppadi and Chedeleth Ranges	Ha	0.15	30		4.50	3.637
TOTAL						270		40.50	23.97
(ix)	Habitat Enrichment in degraded areas								
	Central Circle, Thrissur								
1	Thrissur, Division	N10° 43'24", E76°11'24.11"	Wadakkanchery, Machad, Pattikkad Ranges	Ha	0.5	10		5.00	2.25
2	Chalakkudy, Division	N10° 22'049", E76°20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Ha	0.5	10		5.00	1.51
3	Vazhachal, Division	N10° 17'41.8" E76° 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar	Ha	0.5	10		5.00	7.26
4	Malayattoor, Division	N10° 13'22.8" E76° 31'80.1"	Thundathil, Edamalayar, Kodanad, Kalady, Kuttampuzha Ranges	Ha	0.5	10		5.00	
TOTAL						40		20.00	11.02
(x)	Bird survey and conservation								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
Southern Circle, Kollam									
1	Konni, Division	N090 13 28.2" E0760 53 34.71"	Konni	No	0.5	1		0.50	0.42
Central Circle, Thrissur									
2	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Thrissur, Kole	No	0.5	1		0.50	0.49
Northern Circle, Kannur									
3	Wayanad (South), Division	N 11° 37' 12.94" E 75° 59' 11.31"	Banasura	No	0.5	1		0.50	0.399
4	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya, Mananthavady	No	0.5	1		0.50	0.394
5	Kasaragode, Division	N 12° 42' 0.41" E75° 36" 41.3"	Pallam/Arikkady	No	0.5	1		0.50	0.485
ABP Circle, Thiruvananthapuram									
6	Schenduroney Wildlife, Division	N 8° 53' 36.6" E77° 7' 15.7" N 8° 54' 47.3" E77° 13' 8.7" N 8° 52' 5.9" E77° 12' 32.7"	Kalamkunnu, Kalluvarambu, Ettapathappu	No	0.5	1		0.50	0.50
Field Director, Periyar TR, Kottayam									
7	Periyar (West), Division	N 9° 37' 40.46" E 76° 25' 43.62"	Kumarakam	No	0.5	1		0.50	0.49
Social Forestry (Southern Region), Kollam									
8	Alappuzha Social Forestry	N 9° 33' 14.95" E 76° 22' 04.25"	Alapuzha District	No	0.5	1		0.50	0.50
9	Kottayam Social Forestry	N 9° 36' 13.50" E 76° 25' 38.10"	Kottayam and ponkunnam Ranges	No	0.5	1		0.50	0.50
Social Forestry (Central Region), Ernakulam									
10	Ernakulam Social Forestry	N 10° 04' 01.95" E 76° 13' 59.12"	Perumbavoor SF Range	No	0.5	1		0.50	0.50

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
11	Palakkad Social Forestry	N 10° 45' 09.83" E 76° 28' 38.93"	Palakkad and Agali SF Range	No	0.5	1		0.50	0.50
12	Thrissur Social Forestry	N 10° 32' 19.33" E 76° 03' 01.06"	Agali and Palakkad SF Range	No	0.5	1		0.50	
13	Nature Study Centre, Kalady	N-10012.602' E-076031.154'	Abhayaranyam and Suvarnodayam	No	0.5	1		0.50	0.07
TOTAL						13		6.50	5.25
(xi)	Sea Turtle Conservation								
Central Circle, Thrissur									
1	Thrissur, Division	N 10° 33' 49.07" E 76° 00' 42.28" N 10° 39' 28.39" E 76° 58' 9.59"	Punnayoor, Puthenkadappuram	No	0.3	5		1.50	2.7
Social Forestry Circle (Northern Region)									
2	Kozhikkode Social Forestry, Division	N 11° 31' 58.1" E 75° 57' 33.1"	Kozhikkode Coastal areas	No	0.3	5		1.50	1.5
TOTAL						10		3.00	4.20
Forest fire prevention and control operations									
(xii)	Engaging Fire Gang through participatory forest management								
Southern Circle, Kollam									
1	Achenkovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Kallar, Achencovil and Kanayar ranges	MM	0.009	500		4.25	4.25
2	Thenmala, Division	N 8° 59' 39" E 77° 08' 30.8", N 90 36" 54.1" E 770 07' 30.1"	Kadamanpara, Thenmala	MM	0.009	500		4.25	19.94

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
3	Thiruvananthapuram, Division	N 080 51' 17.00" E0770 02' 48.07"	Palode, Paruthipalli and Kulathupuzha Ranges	MM	0.009	700		5.95	11.38
4	Ranni, Division	N9020'20.98" E7709'0.13"	Ranni, Vadasserikkara, Goodrickal Ranges	MM	0.009	1000		8.50	8.50
5	Punalur, Division	N 8 ⁰ 55" 41.4" E76 ⁰ 54' 52", N 90 05" 26" E760 51' 21"	Pathanapuram and Anchal Ranges	MM	0.009	500		4.25	4.25
6	Konni, Division	N090 13 28.2" E0760 53 34.71"	Konni, Naduvathumoozhy and Mannarappara Ranges	MM	0.009	1000		8.50	9.52
High Range Circle, Kottayam									
7	Kottayam, Division	N 9° 30' 8.54" E 76° 55' 34.08", N 9° 32' 48.2" E 76° 59' 45.5", N 9° 25' 57.6" E 76° 49' 27.66", N 9° 28' 19.7" E 76° 55' 57.8", N 9° 28' 42.9" E 76° 54' 17.5", N 9° 27' 36.9" E 76° 53' 7.8", N 9° 28' 9.34" E 76° 55' 59.38"	Paschima, Plakkathadam, Kalaketti, Koyikkalkavu, Pakkanam, Elivalkkara, Mangapetta, 504 Camp, Karubinthode, Oottupara, Ponthanpuzha		0.009	1000		8.50	8.46

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
8	Kothamagalam, Division	N 9° 50' 7.19" E 76° 45' 20.21", 10°00'56.9"N 76°48'51"E, 09°57'39.4"N 76°50'46.3"E	Muttom, Mullaringadu, Thommankuthu	MM	0.009	500		4.25	4.57
9	Munnar, Division	10°02'47.8"N, 6°49'00.3"E, 10°05'06.2"N 76°51'07.9"E, 10°01'36.2"N 76°58'14.5"E,	Neriyamangalam, Mamalakkandam, Adimali, Idamalakkudi, Pettimudi, Chinnakkanal, Kundala	MM	0.009	1200		10.20	10.23
10	Mankulam, Division	10°09'34.8"N 76°55'39.8"E, 10°08'18.8"N 76°57'26.4"E, 10°08'21.2"N 77°00'08.6"E,	Sevalkudy, Mangapparakudy, Kozhiyilakudy, Subramanyakudy, Veliyampara, Pallithandu, Thulamkandam,	MM	0.009	500		4.25	4.36
11	Marayoor, Division	N 10° 16' 42.78" E 77° 09' 28.53"N 10° 15' 21.62" E 77° 10' 52.48"	Marayoor and Kanthalloor	MM	0.009	1200		10.20	10.20
Central Circle, Thrissur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
12	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Wadakkanchery, Machad, Pattikkad Ranges	MM	0.009	1000		8.50	8.22
13	Chalakkudy, Division	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Pariyaram, Vellikkulangara and Palapilly Ranges	MM	0.009	700		5.95	5.63
14	Vazhachal, Division	N10 ⁰ 17'41.8" E76 ⁰ 30'31.8"	Athirapally, Charpa, Kollathirumedu, Sholayar and Athirapally Ranges	MM	0.009	700		5.95	6.12
15	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Kodanad, Kuttampuzha, Thundathil and Edamalayar Ranges	MM	0.009	1000		8.50	8.50
Eastern Circle, Palakkad									
16	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42' 46.6"N 11° 07' 57.24" 76° 35' 43.2"N 10° 52' 53.2" 76° 44' 51.3"	Attappadi, Agali and Mannarkkad Ranges	MM	0.009	1000		8.50	12.17

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
17	Palakkad, Division	N 10° 51' 27.96, E 76° 47' 01.75	Olavakode, Ottappalam and Walayar Ranges	MM	0.009	1000		8.50	10.5
18	Nilambur (North), Division	N 11° 18' 41.77" E76° 15' 36.01"	Nilambur, Vazhikkadavu and Edavanna Ranges	MM	0.009	1000		8.50	18.51
19	Nilambur (South), Division	N11°17'49.41" E 76°22'56.76"	Karulay and Kalikavu Ranges	MM	0.009	700		5.95	6.07
20	Nemmara, Division	N 10° 37' 11.6" E 76° 30' 7"	Nelliampathy and Alathur Ranges	MM	0.009	700		5.95	7.55
Northern Circle, Kannur									
21	Wayanad (South), Division	N 11° 36' 47.5" E76° 04' 31.1" N 11° 45' 2.2" E76° 12' 0.1", N 11° 33' 50.7" E76° 07' 48.6"N 11° 47' 53" E76° 8' 15.9"	Kalpetta, Sugandagiri, Padijarethara, Pulpally, Vythiri, Mundakkia, and Bethery Areas	MM	0.009	700		5.95	5.84
22	Kozhikode, Division	N 11° 29' 18.6" E75° 55' 56.2" N 11° 23' 52.68" E76° 04' 39.13"N 11° 29' 44.24" E76° 01' 32.3"	Puthupady, Kanalad, Nayarkolly Areas	MM	0.009	700		5.95	5.36

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
23	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya, Mananthavady Ranges	MM	0.009	700		5.95	6.224
24	Kasaragode, Division	N 12° 42' 0.41" E 75° 36' 41.3"	Ranipuram, Ottamala, Aletty, Maruthom, and Bedur areas	MM	0.009	500		4.25	4.131
25	Kannur, Division	N 11° 50' 10.4" E 75° 43' 42.5" N 11° 48' 3.34" E 75° 40' 8.34"	Peruva, Narikkode, Karamaramthattu	MM	0.009	700		5.95	6.8
ABP Circle, Thiruvananthapuram									
26	Shenduruney Wildlife, Division	N 8° 54' 47.3" E 77° 13' 8.7"	Schenduruney WLS	MM	0.009	500		4.25	4.25
27	Trivandrum Wildlife, Division	N 8° 53' 36.6" E 77° 7' 15.7" N 8° 54' 47.3" E 77° 13' 8.7" N 8° 52' 5.9" E 77° 12' 32.7"	Neyyar, Peppara, ABP	MM	0.009	500		4.25	5.10
CCF (Wildlife), Palakkad									
28	Wayanad Wildlife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	MM	0.009	1200		10.20	11.19
Social Forestry (Central Region), Ernakulam									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
29	Nature Study Centre, Kalady	N 10° 37' 11.6" E 76° 30' 7"	Kurisumudi and Kaprikkad Section Area	MM	0.009	200		1.70	3.17
30	Research (South), Division	N 080 51' 17.00" E 0770 02' 48.07"	Research plots and seed production areas	MM	0.009	360		3.06	3.06
31	Research (North), Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Research plots and seed production areas	MM	0.009	360		3.06	3.06
TOTAL						22820		193.97	237.12
(xiii)	Fire Awareness Campaign								
High Range Circle, Kottayam									
1	Kothamangalam, Division	N 9° 50' 7.19" E 76° 45' 20.21"	Thodupuzha Range area	Each	0.1	2		0.20	
2	Munnar, Division	10°03'48.7"N 77°06'06.1"E, 10°01'00.7"N 76°57'18.4"E, 10°03'18.8"N 76°46'28.3"E	Adimaly, Munnar, Neriamangalalm and Devikulam Ranges	Each	0.1	4		0.40	0.52
Central Circle, Thrissur									
3	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Vadakkachery, Machad, Pattikkad Ranges	Each	0.1	3		0.30	0.19

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
4	Chalakkudy, Division	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Each	0.1	3		0.30	
5	Vazhachal, Division	N10 ⁰ 17'41.8" E76 ⁰ 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar areas	Each	0.1	4		0.40	0.55
6	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalar, Kodanad, Kalady, Kuttampuzha Ranges	Each	0.1	4		0.40	
Eastern Circle, Palakkad									
7	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6"N 11 ⁰ 07' 57.24" 76 ⁰ 35' 43.2" N 10 ⁰ 52' 53.2" 76 ⁰ 44' 51.3"	Attappadi, Agali & Mannarkkad Ranges	Each	0.1	3		0.30	0.33
8	Palakkad, Division	N 10 ⁰ 48' 11.86" E 76 ⁰ 38' 10.69"	Olavakode, Ottappalam & Walayar Ranges	Each	0.1	2		0.20	0.12
9	Nilambur (South), Division	N11 ⁰ 17'49.41" E 76 ⁰ 22'56.76"	Karalayi and Kalikavu Ranges	Each	0.1	2		0.20	0.3
Northern Circle, Kannur									
10	Kannur, Division	N 11 ⁰ 49' 6.37" E75 ⁰ 44" 2.41" N 11 ⁰ 47' 9.83" 75 ⁰ 38' 8.78"	Chembukavu, Poyiloor Areas	Each	0.1	2		0.20	0

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
CCF (Wildlife), Palakkad									
TOTAL						29		2.90	2.01
(xiv)	Fire Fighting Equipments								
High Range Circle, Kottayam									
1	Kottayam, Division	09°35'34.1"N 76°31'44.6"E	Nagarampara, Ayyappankovil Ranges	Unit	0.3	4		1.20	1.20
2	Kothamangalam, Division	N 10° 3' 1.97" E 76° 44' 53.25"	Thodupuzha Range	Unit	0.3	3		0.90	0.90
3	Munnar, Division	10°03'48.7"N 77°06'06.1"E	Adimaly, Munnar, Neriamangalalm and Devikulam Ranges	Unit	0.3	4		1.20	1.10
4	Mankulam, Division	10°04'46.2"N 76°57'36.9"E	Mankulam and Anakkulam Ranges	Unit	0.3	2		0.60	1.16
5	Marayoor, Division	N 10° 16' 36.20" E 77° 09' 32.56"	Marayoor Range	Unit	0.3	3		0.90	0.90
Central Circle, Thrissur									
6	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Vadakkachery, Machad, Pattikkad Ranges	Unit	0.3	3		0.90	0.51

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
7	Chalakkudy, Division	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Unit	0.3	5		1.50	2.05
8	Vazhachal, Division	N10 ⁰ 17'41.8" E76 ⁰ 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar Ranges	Unit	0.3	5		1.50	1.92
9	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalar, Kodanad, Kalady, Kuttampuzha Ranges	Unit	0.3	4		1.20	1.36
Eastern Circle, Palakkad									
10	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6" N 11 ⁰ 07' 57.24" 76 ⁰ 35' 43.2" N 10 ⁰ 52' 53.2" 76 ⁰ 44' 51.3"	Attappadi, Agali & Mannarkkad Ranges	Unit	0.3	3		0.90	0
11	Palakkad, Division	N 10 ⁰ 48' 11.86" E 76 ⁰ 38' 10.69"	Olavakode, Ottappalam & Walayar Ranges	Unit	0.3	3		0.90	0.3
12	Nilambur (South), Division	N11 ⁰ 17'49.41" E 76 ⁰ 22'56.76"	Karalayi and Kalikavu Range	Unit	0.3	2		0.60	0.56
13	Nemmara, Division	N 10 ⁰ 37' 11.6" E 76 ⁰ 30' 7"	Nelliampathy and Alathur Ranges	Unit	0.3	3		0.90	0.87

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
Northern Circle, Kannur									
14	Wayand (South), Division	N 11° 47' 53" E 76° 08' 15.9" N 11° 45' 2.2" E 76° 12' 0.1"	Erulam and Pulpally, Kalpetta, Sugandagiri, Padinjarethara	Unit	0.3	3		0.90	0.91
15	Wayand (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur Range	Unit	0.3	3		0.90	0.90
ABP Circle, Thiruvananthapuram									
16	Shendurney Wildlife, Division	N 8° 54' 47.3" E 77° 13' 8.7"	Schendurney WLS	Unit	0.3	1		0.30	0.05
17	Trivandrum Wildlife, Division	N 8° 57' 33.8" E 77° 03' 41.6"	Neyyar, Peppara, ABP	Unit	0.3	3		0.90	0.90
CCF (Wildlife), Palakkad									
18	Wayanad Wildlife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	Unit	0.3	4		1.20	1.61
TOTAL						58		17.40	17.20
(xv)	Creation of fire-break								
Southern Circle, Kollam									
1	Achenkovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Achenkovil, Kallar, Kanayar Ranges	km	0.2	10		2.00	0.83
2	Thenmala, Division	N 8° 59' 39" E 77° 08' 30.8", N 90 36" 55.1" E 77° 07' 30.1"	Kadamanpara, Thenmala	km	0.2	20		4.00	4.56

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
3	Thiruvananthapuram, Division	N 8° 53' 37.56" E 77° 03' 39.16", N 80 50" 39.28" E 770 04' 16.10", N 80 52" 38.10" E 770 04' 13.60", N 80 51" 4.50" E 770 02' 14.10"	Vallakkadavu, rock wood, Choolady, Poovathumoodu , Chozhiyakode, Kanjirathinmoo du, Muppathadi and Anchanakoppa m	km	0.2	30		6.00	
4	Ranni, Division	N9020'20.98" E7709'0.13"	Goodrikkal, Vadasserikkara and Ranni Ranges	km	0.2	30		6.00	7.80
5	Konni, Division	N090 13 28.2" E0760 53 34.71"	Mannarappara, Konni and Naduvathumooz hy Ranges	km	0.2	30		6.00	6.47
High Range Circle, Kottayam									
6	Kothamangalam, Division	N 9° 47' 8.49" E 76° 52' 32.04", N 9° 50' 24.88" E 76° 44' 24.53", N 9° 55' 33.49" E 76° 44' 24.53", N 9° 55' 8.3" E 76° 53' 57.7"	Arakkulam, Velloor, Makkuvally	km	0.2	30		6.00	9.64

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
7	Munnar, Division	10°04'11.8"N 76°46'00.5"E, 10°05'09.3"N 76°50'21.6"E, 10°09'29.4"N 77°08'57"E, 10°08'16.5"N 77°11'34"E	Inchathotty, mamalakkandam, Gundumala, mattupetty	km	0.2	40		8.00	12.01
Central Circle, Thrissur									
8	Thrissur, Division	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Vadakkachery, Machad, Pattikkad Ranges	km	0.2	30		6.00	
9	Chalakkudy, Division	N10 ⁰ 22'049", E76 ⁰ 20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	km	0.2	30		6.00	13.37
10	Vazhachal, Division	N10 ⁰ 17'41.8" E76 ⁰ 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar	km	0.2	40		8.00	8.48
11	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalaray,Ko danad,Kalady,K uttampuzha Ranges	km	0.2	30		6.00	9.92
CCF (Wildlife), Palakkad									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
12	Wildlife Division, Wayanad	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	km	0.2	20		4.00	7.14
TOTAL						340		68.00	80.22
Human Animal Conflict Mitigation									
(xvi)	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals.								
1	Providing infrastructure and basic facilities for animal rescue and veterinary care facilities for Assistant Forest Veterinary officers in 10 districts - Post mortem accessories, Tranquilizing units, Snake handling tools, Cages and other accessories	N 110 49' 6.37" E 750 44' 2.41", N 10°5' 6.71" E 77° 3'29.53, N100 43'24", E76011'24.11", N 10° 48' 11.86" E 76° 38' 10.69"	Kannur, Kozhikkode, Malappuram, Palakkad, Thrissur, Ernakulam, Munnar, Kottayam, Konni and Thiruvananthapuram	Per unit	1	10		10.00	10.78
2	Wayanad Wildlife Division (Cost of centre for wildlife research and forensic lab)	N 11° 35' 49" E 76° 13' 27"	FVO, Kuppadi	Per unit	3	1		3.00	3.00
3	Establishment of Tiger Rehabilitation Centre for treating strayed and rescued wild tigers (Phase-1)	N 11° 35' 59" E 76° 02' 07"	Wayanad	1st phase	30	1		30.00	30.08
TOTAL						12		43.00	43.86
(xvii)	Man Mazdoor/Labour for rescue and Rehabilitation of wildlife								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
1	Support to Rapid Response Teams (12 RRTs)		Kannur, Wayanad, Palakkad, Mannarkkad, Kozhikode, Nilambur, Ranni, Peppara, Kasargode, Munnar, Kalpetta, Malayattoor, Punalur	MM	0.009	3600		30.60	30.17
TOTAL						3600		30.60	30.17
(xviii)	Purchase of Equipments/Ration for Rapid Response Teams (RRTs)								
High Range Circle, Kottayam									
1	Munnar, Division (Customised rescue vehicle)	10°03'52.5"N 77°06'05.2"E	RRT Devikulam	Each Vehicle	10	1		10.00	8.46
2	Special Investigation Party, Kottayam (Animal Rescue Equipments)	09°36'19.7"N 76°32'06"E	Parampuzha	Each Unit	2	1		2.00	0.93
Eastern Circle, Palakkad									
3	Mannarkkad, Division (Animal Rescue Equipments)	N 11° 02' 26.9" E76° 42' 46.6" N 11° 07' 57.24" 76° 35' 43.2" N 10° 52' 53.2" 76° 44' 51.3"	Attappadi, Agali & Mannarkkad	Each Unit	2	1		2.00	1.21
TOTAL						3		14.00	10.60
(xix)	Providing field infrastructure requirements for animal rescue and veterinary care facilities								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
1	Thrissur, Division (establishing animal rescue and welfare unit)	N10 ⁰ 43'24", E76 ⁰ 11'24.11"	Thrissur	Each Unit	3	1		3.00	3.58
TOTAL						1		3.00	3.58
(xx)	Engaging watchers to mitigate human animal interface								
Southern Circle, Kollam									
1	Ranni, Division	N9020'20.98" E7709'0.13"	Goodrikkal, Vadasserikkara and Ranni Ranges	MM	0.009	600		5.10	6.21
High Range Circle, Kottayam									
2	Kothamangalam, Division	10°07'34.4"N 76°40'57"E	Thattekkad	MM	0.009	600		5.10	7.19
3	Munnar, Division	10°03'52"N 77°06'05.5"E, 10°01'28.1"N 76°54'53.8"E	RRT	MM	0.009	2000		17.00	19.11
4	Marayoor, Division	N 10° 16' 42.78" E 77° 09' 28.53" N 10° 15' 21.62" E 77° 10' 52.48"	Marayoor and Kanthalloor	MM	0.009	1000		8.50	8.50
5	ACF (Special Investigation Party), Kottayam	09°36'20.7"N 76°32'07.9"E	RRT	MM	0.009	300		2.55	1.49
Central Circle, Thrissur									
6	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalayar, Kodanad, Kalady, Kuttampuzha Ranges	MM	0.009	700		5.95	5.28
Eastern Circle, Palakkad									
7	Palakkad, Division	N 10° 48' 11.86" E 76° 38' 10.69"	Palakkad, Olavakkode	MM	0.009	1000		8.50	10.84

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
8	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6" N 11° 07' 57.24" 76° 35' 43.2"N 10° 52' 53.2" 76° 44' 51.3"	Attappadi, Agali & Mannarkkad Ranges	MM	0.009	2000		17.00	18.77
9	Nilambur (North), Division	N 11° 18' 41.77" E76° 15' 36.01"	Edavanna, Vazhikadavu, Nilambur Ranges	MM	0.009	400		3.40	7.67
10	Nilambur (South), Division	N11°17'49.41" E 76°22'56.76"	Karilayi & Kalikavu Ranges	MM	0.009	400		3.40	6.11
Northern Circle, Kannur									
11	Wayanad (South), Division	N 11 ⁰ 47' 6.70" E76 ⁰ 10" 7.6", N 110 57' 7.0" E760 19" 9.95", N 110 36' 47.50" E760 04" 31.1", N 110 33' 50.70" E760 07" 48.6"	Chedelath, Kalapetta and Meppadi Ranges	MM	0.009	1000		8.50	8.97
12	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya, Manathavady Ranges	MM	0.009	1000		8.50	9.51
CCF (Wildlife), Palakkad									
13	Wayanad Wildlife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	MM	0.009	2400		20.40	22.15

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
						TOTAL		113.90	131.80
(xxi)	Protective Gears for wildlife conflict mitigation staff								
	Northern Circle, Kannur								
1	Wayanad (South), Division	N 11° 47' 6.7" E 76° 10' 7.6", N 11° 47' 6.7" E 76° 10' 7.6"	Pulpally	Unit	0.3	5		1.50	1.63
	CCF (Wildlife), Palakkad								
2	Wayanad Wildlife, Division	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga Tholpetti, Kurinchiyath, Sulthan Bathery Ranges	Unit	0.3	5		1.50	1.51
						TOTAL		3.00	3.14
	Forest & Wildlife Protection								
(xxii)	Soil and Moisture Conservation, Gully Plugging etc.								
	Central Circle, Thrissur								
1	Thrissur, Division (Bamboo Planting in flood affected areas and in its adjoining areas)	N 10° 40' 16" E 76° 20' 0.6"N 10° 40' 0.4" E 76° 23' 19.8"	Kolenchery, Panamkutty	Ha	0.05	50		2.50	16.9
						TOTAL		2.50	16.90
	Sub-total								
	Total (Net Present Value of Forest Land Fund Part A)								
								1102.95	958.21
B	(Part B - Activities under "Not more than 20%" of the Net Present Value Fund Category								
	Better connectivity (Maintenance of roads including bridges, roads, communications)								
(i)	Maintenece of Forest Roads								
	Southern Circle, Kollam								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
1	Thenmala, Division	N 8° 57' 55" E 77° 07' 6.3", N 90° 00' 45.2" E 77° 07' 0.9"	Edapalayam, 99 Bhagam, Kuliyyarkad road	km	0.2	5.00		1.00	1.14
2	Ranni, Division	N 9° 16' 06" 7" E 77° 00' 58.6", N 90 1 6" 40.9" E 77° 01' 9.1"	Goodrickal, Gavi	Km	0.2	5.00		1.00	0.67
3	Punalur, Division	N 8° 55' 27.7" E 77° 00' 42.5", N 90 3" 8.46" E 76° 59' 24.2"	Anchal and Pathanapuram Ranges	Km	0.2	5.00		1.00	
4	Konni, Division	N090 13 28.2" E0760 53 34.71"	Naduvathurmuzhy, Konni	km	0.2	5.00		1.00	0.97
High Range Circle, Kottayam									
5	Marayoor, Division	N 10° 15' 15.14" E 77° 10' 56.78"N 10° 14' 2.03" E 77° 11' 26.56"N 10° 15' 53.12" E 77° 12' 6.93"N 10° 16' 35.70" E 77° 9' 25.31"N 10° 17' 4.89" E 77° 9' 36.07"N 10° 15' 4.31" E 77° 8' 47.82"N 10° 15' 25.66" E 77° 8' 53.05"	NSR II, NSR I, KSR I, KSR II, VSR II, SR 52, SR 54,	km	0.2	20		4.00	5.65
Central Circle, Thrissur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
6	Chalakkudy, Division	N 10° 19' 51.4" E 76° 27' 44.1" N 10° 20' 56.5" E 76° 28' 12.6", N 10° 22' 7" E 76° 27' 26.6" N 10° 19' 17.6" E 76° 29' 43.9" N 10° 24' 32" E 76° 28' 30.7" N 10° 23' 33.5" E 76° 40' 11.7" N 10° 23' 57.5" E 76° 23' 41.8" N 10° 23' 14.8" E 76° 24' 28.4"	Vellikulangara Pariyaram & Palappally Range	km	0.2	20.00		4.00	2.13
7	Vazhachal, Division	N 10° 18' 13.1" E 76° 35' 31.74",N 10° 22' 53.92" E 76° 39' 53",N 10° 18' 34.41" E 76° 35' 47.13",N 10° 19' 3.12" E 76° 35' 35.82"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar	km	0.2	20.00		4.00	4.30
TOTAL						80.00		16.00	14.86
(ii)	Maintenance of trek path/patrolling route								
	Southern Circle, Kollam								
1	Achenkovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Kanayar and Kallar Range	km	0.200	10.00		2.00	4.96
2	Themala, Division	N 8° 55' 57.9" E 77° 10' 17.4" N 90 00" 45.2" E 77° 07' 0.9" N 90 01" 57" E 77° 01' 20" N 90 32" 22" E 77° 07' 32"	Palaruvi, Rosemala, Thalappara, Kulirkad, Anapettakongal to Division Boundary, Decentmukku	km	0.200	19.00		3.80	4.84

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
3	Thiruvananthapuram, Division	N 080 51' 17.00" E0770 02' 48.07"	Sankily Eerattumukku-Edathavalam, Iruthodu Kulatharakaitha, Nedumpana, Chozhiyakode-Kanjirathinmoodu, Nanakachy-Kalyanippudavu	km	0.200	16.00		3.20	5.38
4	Ranni, Division	N9020'20.98" E7709'0.13"	Vadasserikkara, Ranni, Goodrikkal ranges	km	0.200	10.00		2.00	1.21
5	Punalur, Division	N 9 ⁰ 04" 11.2" E77 ⁰ 00' 33.5", N 80 51" 21.7" E760 59' 12"	Pathanapuram and Anchal Ranges	km	0.200	10.00		2.00	
6	Konni, Division	N090 13 28.2" E0760 53 34.71"	Mannarappara, Naduvathumoozhy, Konni Ranges	km	0.200	15.00		3.00	1.50
High Range Circle, Kottayam									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
7	Kothamangalam, Division	N 9° 56' 47.08" E 76° 52' 45.27" N 9° 56' 12.92" E 76° 51' 34.23" N 9° 52' 17.52" E 76° 53' 46.02" N 9° 54' 52.62" E 76° 54' 58.82"	Veloor, Peringasseri	km	0.200	10		2.00	0.57
8	Munnar, Division	10°13'12.6"N 76°59'38.7"E, 10°03'53.2"N 76°51'30.2"E	Admimaly and Munnar Range	km	0.200	10		2.00	
9	Marayoor, Division	N 10° 15' 8.13" E 77° 09' 10.45", N 10° 15' 9.52" E 77° 08' 47.25" N 10° 16' 31.45" E 77° 09' 14.41", N 10° 15' 12.12" E 77° 10'51.39" N 10° 14' 30.24" E 77° 11' 42.54"	Marayoor and Kanthalloor	km	0.200	20		4.00	3.42
Central Circle, Thrissur									
10	Thrissur, Division	N 10° 35' 00" E 76° 21' 28" to N 10° 35' 6" E 76° 20' 59", N 10° 29' 50" E 76° 21' 34" to N 10° 28' 13" E 76° 22' 36".	Pattikkad Range	km	0.200	10		2.00	

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
11	Chalakkudy, Division	N100 25'30.9" E760 27'49.5", N100 3' 15.18" E760 28'10.47" N100 2518'14.3" E760 2'10.5"	Thottappura, Palappilly Kavala, Vellikulangara Ladamkandavayal, Pariyaram	km	0.200	15		3.00	4.05
12	Vazhachal, Division	N 10° 20' 24.98" E 76° 34' 50.75" to N 10° 21' 49.30" E 76° 33' 2.45". N 10° 21' 49.30" E 76° 33' 32.45" to N 10° 22' 52.33" E 76° 33' 4.84". N 10° 19' 9.76" E 76° 35' 21.14" to N 10° 19' 19.99" E 76° 38' 3.67". N 10° 33' 3.43" E 76° 07' 45.51" to N 10° 35' 9.72" E 76° 08' 36.20".	Vazhachal Charpa Range	km	0.200	20		4.00	4.05
13	Malayattoor, Division	N10 ⁰ 13'22.8" E76 ⁰ 31'80.1"	Thundathil, Edamalar, Kodanad, Kalady & Kuttampuzha Range	km	0.200	30		6.00	
Eastern Circle, Palakkad									
14	Mannarkkad, Division	N 11 ⁰ 02' 26.9" E76 ⁰ 42" 46.6", N 11° 07' 57.24" 76° 35' 43.2", N 10° 52' 53.2" 76° 44' 51.3"	Attappadi, Agali & Mannarkkad Ranges	km	0.200	20		4.00	1.05

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
15	Nilambur (North), Division	N11 ⁰ 23' 10" E76 ⁰ 21' 16.3" N 11° 26' 44.8" 76° 14' 17.3" N 11° 18' 38.1" 76° 13' 40.7"	Edavanna, Vazhikadavu, Nilambur	km	0.200	20		4.00	
16	Nilambur (South), Division	N 11 ⁰ 17' 37.5" E76 ⁰ 21' 41.1",N 11° 17' 42.45" E76° 22' 38.41",N 11° 16' 13.674" E76° 22' 10.596",N 11° 16' 50.016" E76° 23' 34.44"	Vattikkal to Unakkappara, Vattikkal to Kuppamala, Pattakarimbu to Saivila	km	0.200	20		4.00	1.71
Northern Circle, Kannur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
17	Wayanad (South), Division	"N 110 41' 20.22" E750 55" 57.75", N 11° 41' 31.3"" E75° 55' 18.7, N 110 40' 54.27" E750 56" 12.44", N 11° 40' 58.81"" E75° 54' 52.3"N 110 37' 42.6"" E750 59" 21.2",N 11° 37' 2.4" E75° 58' 40.8"N 110 37' 42.6", E750 59" 21.2"N 11° 37' 52.9"" E75° 57' 48.7"N 110 37' 00" E750 58" 41.1"N 11° 36' 25.9"E75° 58' 13", N 110 37' 52.9" E750 57" 48.7"	Valarankunnu to Orakkanchola,B appanam to Anachola, VIIIth Mile to Ongalery, VIIIth Mile to Valanchola, Pongalery to Kodikuthi, Valanchola to Kattimadapullu, Mandamala to Vellachi, Mandamala to Suganthagiri, Anapanthi, Udayakara, Velingady	km	0.200	20		4.00	3.47
18	Kasaragode, Division	N 12 ⁰ 41' 6.30" E75 ⁰ 36" 41.3", N 12° 42' 0.41" E75° 36" 41.3", N 120 43' 46.20" E750 33" 9.02"	Ranipuram	km	0.200	15		3.00	3.00
ABP Circle, Thiruvananthapuram									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
19	Thiruvananthapuram Wildlife, Division	N 8° 31' 51.37" E 77° 12' 11.2" N 8° 31' 51.2" E 77° 11' 2.7"N 8° 31' 51.37" E 77° 12' 12.42"N 8° 31' 53.2 E 77° 16' 14.2"N 8° 34' 40.6 E 77° 14' 25.9" N 8° 34' 58" E 77° 14' 28.9" N 8° 33' 33" E 77° 9' 48.2" N 8° 34' 2" E 77° 10' 27.5" N 8° 32' 48.8" E 77° 12' 51.4"	Kannithoonmoodu- Kinattukuzhi, Kuravimala, Oruvappara, annammamoodu -Kurathiyappu-Valliyar, Thalamutti-Venkulam, Pulivizhunthachunna- Pandimotta, Valliyar- Nellimoodupara, Cherupunna-	km	0.200	15		3.00	5.82
20	Shenduruney Wildlife, Division	N 8° 52' 7.81" E 77° 7' 0.89" toN 8° 49' 26.97" E 77° 8' 16.24"N 8° 57' 26.25" E 77° 4' 47.96" toN 8° 55' 54.61 E 77° 7' 23.57"N 8° 55' 0.02 E 77° 11' 19.18"N 8° 52' 32.27 E 77° 11' 38.43"N 8° 52' 12.44 E 77° 12' 49.43"	Rockwood-Chinthamony, Mannanthara-Idimuzhagumpara-Rosemala, Umayar, Pattakulam	km	0.200	15		3.00	3.00
TOTAL						320.00		64.00	48.03
Sub Total								80.00	62.89
(iii)	Providing infrastructure facility to field staff								

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
1	Construction of residential training facilities for trainees at Sate Forest Training Institute, Aarippa (Phase-I)	N 8° 50' 17.95" E 77° 01' 52.64"	State Forest Training Institute(SFTI), Aripa	Each	200.00	Phase-1		200.00	0.10
TOTAL								200.00	0.10
Capacity Building									
(iv)	Awareness Program/ training to staff and VSS/EDC members								
Southern Circle, Kollam									
1	Achenkovil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	2		0.40	0.4
2	Thenmala Division	N 80 58" 25.4" E770 15' 6.41"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	10		2.00	2.74
3	Thiruvananthapuram, Division	N 080 51' 17.00" E0770 02' 48.07"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	2		0.40	0.06

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
4	Punalur, Division	N 80 55" 41.4" E760 54' 52"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	2		0.40	
5	Ranni, Division	N9020'20.98" E7709'0.13"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	2		0.40	0.09
6	Konni, Division	N090 13 28.2" E0760 53 34.71"	Conducting Training Programme to Field Staff/VSS Members and public	Each	0.2	2		0.40	0.15
High Range Circle, Kottayam									
7	Kottayam, Division	09°35'18.8"N 76°32'34"E	Kottayam	Each	0.2	2		0.40	0.27
8	Munnar, Division	10°03'50.8"N 77°06'04.3"E	All Ranges	Each	0.2	2		0.40	0.15
9	Mankulam, Division	10°05'01.4"N 76°57'03.6"E	Mankulam and Anakulam Ranges	Each	0.2	2		0.40	0.30

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
10	Marayoor, Division	N 10° 16' 42.78" E 77° 09' 28.53" N 10° 15' 21.62" E 77° 10' 52.48"	Marayoor and Kanthalloor	Each	0.2	2		0.40	0.40
Central Circle, Thrissur									
11	Thrissur, Division	N10° 43'24", E76°11'24.11"	Wadakkanchery, Machad, Pattikkad Ranges	Each	0.2	2		0.40	0.30
12	Chalakkudy, Division	N10° 22'049", E76°20'73.1"	Vellikulangara, Pariyaram, Palappilly Ranges	Each	0.2	2		0.40	0.19
13	Vazhachal, Division	N10° 17'41.8" E76° 30'31.8"	Charpa, Athirappilly, Kollathirumedu, Vazhachal, Sholayar	Each	0.2	2		0.40	0.35
14	Malayattoor, Division	N10° 13'22.8" E76° 31'80.1"	Thundathil, Edamalayar, Kodanad, Kalady, Kuttampuzha Ranges	Each	0.2	2		0.40	0.12
Eastern Circle, Palakkad									
15	Nilambur (North), Division	N 11° 18' 41.77" E76° 15' 36.01"	Edavanna, Vazhikadavu, Nilambur	Each	0.2	2		0.40	0.55
16	Nilambur (South), Division	N11°17'49.41" E 76°22'56.76"	Karilayi & Kalikavu Range	Each	0.2	2		0.40	0.04

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
Northern Circle, Kannur									
17	Wayanad (South), Division	N 11° 40' 34.09" E 75° 56' 14.79", N 11° 33' 44.23" E 75° 56' 30.72", N 11° 49' 30.8" E 76° 5' 7.84", N 11° 32' 57.9" E 76° 6' 56.4", N 11° 30' 33.6" E 76° 9' 43.9"	Gazebo Complex, Meenmutti, Kalpetta, Sugandagiri, Padinjarethara, Kuruva, Chembra, Soochippara, Kasaragode, Kanhangad	Each	0.2	2		0.40	0.56
ABP Circle, Thiruvananthapuram									
18	Thiruvananthapuram Wildlife, Division	N 8° 35' 21.9" E 77° 08' 55.2"	ABP Range	Each	0.2	2		0.40	0.59
19	Shenduruneey Wildlife, Division	N 8° 53' 36.6" E 77° 7' 15.7"	Thenmala	Each	0.2	2		0.40	0
Social Forestry (Central Region), Ernakulam									
20	Nature Study Centre, Kalady	N-10° 12.602' E-076° 31.154'	Kurisumudy	Each	0.2	2		0.40	0.02
Social Forestry (Sothern Region) Kollam									
21	Alappuzha, Social Forestry	N 9° 33' 14.95" E 76° 22' 04.25"		Each	0.2	2		0.40	0.40
						TOTAL		10.00	7.68
(v)	Conducting Nature Camps to School and College children								
Southern Circle, Kollam									
1	Thenmala, Division	N 8° 58' 25.4" E 77° 15' 6.41"	Conducting nature camps	Each	0.2	5		1.00	
2	Thiruvananthapuram, Division	N 08° 51' 17.00" E 077° 02' 48.07"	Conducting nature camps	Each	0.2	5		1.00	0.45
3	Ranni, Division	N 9° 20' 20.98" E 77° 9' 0.13"	Conducting nature camps	Each	0.2	2		0.40	

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
4	Achencoil, Division	N 77° 05' 43.09" E 9° 05' 54.5"	Conducting nature camps	Each	0.2	2		0.40	
5	Punalur, Division	N 8° 55' 41.4" E76° 54' 52"	Conducting nature camps	Each	0.2	2		0.40	
6	Konni, Division	N09° 13 28.2" E076° 53 34.71"	Conducting nature camps	Each	0.2	5		1.00	0.11
High Range Circle, Kottayam									
7	Munnar, Division	N 09°58'35.4" E 076°56'55.01"	Devikulam Range all VSS	Each	0.2	2		0.40	1.41
8	Marayoor, Division	N 10° 16' 42.78" E 77° 09' 28.53"	Marayoor	Each	0.2	2		0.40	
Central Circle, Thrissur									
9	Vazhachal, Division	N 10° 15' 34.5" E 76° 39' 58.8" N 10° 17' 44.15" E 76° 37' 23.01"	Charpa	Each	0.2	5		1.00	
Eastern Circle, Palakkad									
10	Nilambur (North), Division	N 11° 18' 41.77" E76° 15' 36.01"	Edavanna, Vazhikadavu, Nilambur	Each	0.2	2		0.40	0.15
11	Nilambur (South), Division	N11°17'49.41" E 76°22'56.76"	Karilayi & Kalikavu Range	Each	0.2	2		0.40	0.24
Northern Circle, Kannur									

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
12	Wayanad (South), Division	N 11° 49' 30.8" E 76° 5' 7.84"	Kuruva	Each	0.2	2		0.40	0
13	Wayanad (North), Division	N 11° 48' 8.6" E 75° 51' 14.36"	Begur, Periya, Manathavady	Each	0.2	2		0.40	0.24
14	Kannur, Division	N 11° 50' 54.4" E 75° 41' 57.6"	Kannavam, Thaliparamba, Kottiyoor	Each	0.2	2		0.40	0
15	Kasaragode, Division	N 12° 41' 6.30" E 75° 36' 41.3", N 12° 42' 0.41" E 75° 36' 41.3"	Kasaragode, Kanhgangad	Each	0.2	2		0.40	0.26
TOTAL						42		8.40	2.86
(vi)	Monitoring and Evaluation								
1	External Monitoring and Evaluation of State CAMPA		State wide	Each	1	2		2.00	
2	Hiring of staff cars for the use of officers and officials			LS	LS	LS		0.00	
TOTAL								2.00	0.00
Total (Net Present Value of Forest Land Fund Part B)								300.40	73.53
Total NPV (A+B)								1403.35	1031.74
IV	Interest - Fund Part								
A	(Part - A - Activities under "Not less than 60%" of the fund category)								
(i)	To Offset the incremental cost of Compensatory Afforestation, Penal Compensatory Afforestation, CAT Plan etc.								
1	To offset the incremental cost of CA, penal CA, CAT plan etc.	Entire state	Thiruvananthapuram	Ls	Ls	Ls		5.00	
2	Sitting fees and allowances to nominated members	State CAMPA Office	Thiruvananthapuram	Ls	Ls	Ls		1.00	
3	Project Green Grass for waste disposal in Forest Areas	Entire state	Thiruvananthapuram	Ls	Ls	Ls		5.00	5

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
4	Disbursement of Salary and Allowance to CEO (as per government norms)	State CAMPA Office	Thiruvananthapuram	Month	2.75	4		11.00	
5	Disbursement of Salary and Allowance to Project Manager cum Accountant (Rs.60,000/ month),	State CAMPA Office	Thiruvananthapuram	Each	0.6	8		4.80	
6	Disbursement of Salary and Allowance to Ecologist (Rs.60,000/ month)	State CAMPA Office	Thiruvananthapuram	Each	0.6	8		4.80	
7	Disbursement of Salary and Allowance to Office Attendant (Rs.25,000/ month)	State CAMPA Office	Thiruvananthapuram	Each	0.25	8		2.00	
8	Disbursement of Salary and Allowance to Computer Operator (Rs.25,000/ month)	State CAMPA Office	Thiruvananthapuram	Each	0.25	8		2.00	2
9	Disbursement of Salary and Allowance to Driver (Rs.25,000/ month)	State CAMPA Office	Thiruvananthapuram	Each	0.25	8		2.00	
10	Travel allowance and other expenses related to monitoring of CAMPA activities	State CAMPA Office	Thiruvananthapuram	Ls	Ls	Ls		2.00	
TOTAL								39.60	7.00
Part A (Not less than 60% of the Fund) Total								39.60	7.00
B (Part - B - Activities under "Not more than 40%" of the fund category)									
(i) Computer Equipments									
1	Procurement of Office Stationary item	State CAMPA Office	Thiruvananthapuram	Each	2.5	1		2.50	
2	Procurement of Laptop	State CAMPA Office	Thiruvananthapuram	Each	1	3		3.00	
3	Procurement of Desktop Computers	State CAMPA Office	Thiruvananthapuram	Each	0.7	3		2.10	1.5
4	Procurement of Computer Printers	State CAMPA Office	Thiruvananthapuram	Each	0.4	4		1.60	0.74
5	Procurement of Photocopier	State CAMPA Office	Thiruvananthapuram	Each	2	1		2.00	0.84

Sl. No.	Component/Particulars of the work	GPS Reading	Location	Physical Unit	Rate/unit (Rate in lakh)	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
6	Procurement of Office Furniture	State CAMPA Office	Thiruvananthapuram	Each	2.5	1		2.50	
TOTAL								13.70	3.08
(ii)	Hiring of staff car for the use of officers and staff of the State Authority	State CAMPA Office		Ls	Ls	Ls		2.00	
TOTAL								2.00	0.00
(iii)	Purchase of patrolling/field vehicles	State wide		No.	8	4		32.00	
TOTAL								32.00	0.00
(ii)	Preparation of Brochure, Booklet and publicity material								
Field Director, Periyar TR, Kottayam									
1	Periyar West Division	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha&Pampa Ranges	unit	0.5	1		0.50	0
Social Forestry (Central Region), Ernkulam									
2	Nature Study Centre, Kalady	N-10 ⁰ 12.602' E-076 ⁰ 31.154'	Abayaranyam	unit	0.5	1		0.50	0.04
TOTAL						2		1.00	0.04
Part B (Not less than 40% of the Fund Total)								48.70	3.12
Sub Total								88.30	10.12
Grand Total								1578.90	1088.88

Chief Executive Officer
Kerala State CAMPA

State CAMPA APO 2018-19 (Progress upto December 2020)								
Sl. No.	Component/Particular of the work	GPS Reading	Location	Rate/ unit	Physical Target	Physical Achievem ent	Financial Target (Rs. In lakh)	Financial Achievement (Rs. In lakh)
I	Compensatory Afforestation Funds							
(i)	Compensatory Afforestation Works							
	High Range Circle Kottayam							
1	DFO, Munnar (CA in lieu of 3.8134 ha diverted for Thottiyar HEP)	N 10.053500 E 76.808942	Chiyappara in Neriya mangalam	0.80 lakh/ Ha	8 Ha	5 Ha	8.00	8.00
2	DFO, Munnar (CA in lieu of 19 ha diverted for Kuthunkal HEP)	N 10.053500 E 76.808942	Makkumchal in Adimali Range	0.80 lakh/ Ha	19 Ha	19 Ha	10.45	10.45
	Southern Circle, Kollam							
3	Divisional Forest Officer,Punalur		Raising CA area atKulathurpacha, Vellamthetty	0.20 Lakh/Ha	50Ha	50Ha	10.00	9.00
5	Divisional Forest Officer,Konni		Fourth year maintenance of CA area at Pinangamthodu	0.20 Lakh/Ha	4.24Ha	4.24Ha	0.85	0.85
	Central Circle, Thrissur							
6	DFO, Chalakkudy Planting operations of CA plantation at Chattilampadam area at Vellikulangara Rane (CA for Koodamkulam Nuclear Project)	N10° 22'049" E76° 20'73.1"	Chattilampadam in Vellikulangara	0.80 Lakh/ Ha	2.12Ha	2.12Ha	1.67	1.67
7	Divisional Forest Officer, Vazhachal (Balance Work 2.50 lakh already allotted)		Raising CA area at Poringalkuthu	0.80 Lakh/ Ha	10Ha	10Ha	5.50	5.50
	Social Forestry (Southern Region) Kollam							
8	Preparatory work for setting up Permanent Nursery in 2 Districts		Kollam	10.00 lakh/Nos.	1 Nos.		10.00	
			Kottayam	10.00 lakh/Nos.	1 Nos.	1 Nos.	10.00	10.00

9	Setting up Permanent Nursery Works (Balance work)		Pathanamthitta, Thiruvananthapuram, Palakkad	70 lakh/Each	3 Nos	3 Nos	210.00	60.11
Social Forestry (Northern Region) Kozhikkode								
10	Setting up Permanent Nursery		Kozhikkode	10.00 Lakheach	1 Nos	1 Nos	10.00	10.00
TOTAL							276.47	115.58
Sub Total							276.47	115.58
II Forest and Wildlife Protection								
(i) Interior Camp sheds								
Southern Circle Kollam								
1	DFO, Achencovil (Construction)	N 09° 09' 35.8", E 077° 05' 16.2"	Kallar in Kallar Range of Achencovil Forest Division	10lakh/Each	1 No		10.00	
Wildlife Circle Palakkad								
2	WLW Wayanad (Mtce of interior camp shed)	N 11° 35'49" E 76°13' 27" N 11° 35'59" E 76°02' 07"	Muthanga, Tholpetty, Kurichiyat, Sulthan Bathery Ranges	0.50 lakh/Each	4 Nos	4 Nos	2.00	2.00
High Range Circle Kottayam								
3	Divisional Forest Officer Kottayam (pre fabricated fire watch station)	N 9°40' 54.55" E 76°54'24.91"	Vagamon	5 lakh/ each	1 No	1 No	5.00	5.00
Eastern Circle, Palakkad								
4	DFO, Mannarkkad (Mtce)		Mannarkkad, Agali & Attappady	0.50lakh/ each	3	3	1.50	1.50
5	DFO, Nemmara (Mtce)		Kollengode & Alathur	0.50 lakh/ each	4	4	2.00	2.00
Agastyavanam Biological Park								
6	WLW, Thiruvananthapuram	N 8° 32' 06.2" E 77° 10' 10.0" N 8° 50' 45.1"	Kottamanpuram Chakkannara	0.50	3 Nos	3 Nos	1.50	1.50

0	(Maintenance of camp sheds)	E 77° 20' 406"	ചാക്കപ്പാദം	lakh/Each	3 No.	3 No.	1.50	1.50
		N 8° 34' 403"	Meenmutty					
		E 77° 12' 756"						
FD PT Kottayam								
7	Idukki (Improvement of Interior camp sheds)	N09°47'35.3"E76°59'32.8"	Arackappadam at Kizhukanam Section in Idukki WLS	0.50 lakh /Each	4 Nos	4 Nos	2.00	2.00
Central Circle, Thrissur								
8	DFO, Chalakkudy (Improving infrastructure of interior campsheds in all ranges)			0.50 lakh /Each	2 No	2 No	1.00	1.00
9	DFO, Vazhachal (Improving infrastructure of interior campsheds in all ranges)			0.50 lakh /Each	2 No	2 No	1.00	1.00
10	DFO, Malayattoor (Improving infrastructure of interior campsheds in all ranges)			0.50 lakh /Each	2 No	2 No	1.00	1.00
TOTAL							27.00	17.00
(ii) Better connectivity including bridges roads communications								
Southern Circle Kollam								
1	DFO,Konni (Improvement of coupe roads for interior areas to facilitate vehicular patrolling)	N 09° 10' 31.81" E 077° 01' 19.76"		0.20 lakh/KM	10 KM		2.00	
		N 09° 06' 32.2", E 077° 06' 36.1"	Sankuplamoodu to Manjappara coupe road in Thulumala section of Kallar Range					
		N 09° 05' 01", E 077° 09' 20.6"	Pallivasal to Thenchola coupe road					
	DFO,Achencovil (Improvement of	N 09° 05' 51.0" E 077° 10' 10.5"	10th Mile to Vanchikavu coupe road	0.20				

2	coupe roads for interior areas to facilitate vehicular patrolling)	N 09° 07' 37.3" E 077° 08'00.0"	Nellippara to Anakuthi coupe road	0.20 lakh/KM	10km	10km	2.00	2.00
		N 09° 08' 43" E 077°06' 23.50"	Mamarathumapara to Panamthoppe coupe road					
		N 09° 09' 21.7" E 077° 06' 05.00"	Njaramukku to Koottakkal coupe road					
		N 09° 09' 56.5" E 077° 09' 20.9"	Pulinchi to Njaramukku coupe road					
3	DFO, Punalur (Improvement of coupe roads for interior areas to facilitate vehicular patrolling	N 09° 03' 20.7" E 077° 02' 12.58"		0.20 lakh/KM	10 KM	10 KM	2.00	2.00
4	DFO, Thenmala (Improvement of coupe roads for interior areas to facilitate vehicular patrolling	N 08° 98' 7.06" E 077°16' 93.7" N 08° 59' 07.2" E 077°08' 48.6" N 08° 59' 35.06" E 077° 08' 23.9" N 08° 59' 33.3" E 077° 08' 49.6"		0.20 lakh/KM	10 KM	10 KM	2.00	2.00
5	DFO,Ranni(Improvement of coupe roads for interior areas to facilitate vehicular patrolling	N 9° 20' 24.7" E 76° 57' 32.4 " N 9° 16' 6.90" E 77° 1.165 " N 9° 16.01" E 77° 0.977 " N 9° 16' 59.2" E 77° 1' 2.3 " N 9° 16.642' " E 77° 1.58' " N 9° 16.152' " E 77° .503' "		0.20 lakh/KM	10 KM	10 KM	2.00	2.00
Central Circle, Thrissur								
7	DFO, Thrissur (Mtce of coupe roads)			0.20 lakh/KM	10 KM	10 KM	2.00	2.00
8	DFO, Vazhachal (Mtce of coupe roads)	N-10° 16' 11.41"E 76 °38'15.52"	Vazhachal	0.20 lakh/KM	10 KM	10 KM	2.00	2.00
Wildlife Circle Palakkad								
9	WLW Wayanad (Mtce of existing roads)	N 11° 35'49" E 76°13' 27" N 11° 35'59" E 76°02' 07"	Muthanga, Tholpetty, Kurichiyat, Sulthan Bathery Ranges	0.20 lakh/KM	10 KM	10 KM	2.00	2.00
TOTAL							16.00	14.00

(iii)	Construction of Chappath/Bridge							
	FD PT Kottayam							
1	DD (E) Construction of Hanging Bridge	N-09°30'22.8" E-077°20'43.23"	Thamara	14.00 lakh/Each.	1 No.	1 No.	14.00	14.00
	Central Circle, Thrissur							
2	DFO, Thrissur		Pattikad Range	12.00 Lakh/Each	1 No	1 No	12.00	12.00
3	DFO, Malayattoor (Construction of Chappath at Koompanpara)	N-10° 22'10.7" E 76° 39' 23.9" N-10° 16' 11.41"E 76° 38'15.52"	Kuttampuzha, Attikalam, Koombanpara	1.50 lakh/Each	2 No	2 No	3.00	3.00
	TOTAL						29.00	29.00
(iv)	River Bank Stabilization							
	Southern Circle Kollam							
1	Divisional Forest Officer Konni (Planting of bamboo and grasses for stabilizing the river banks of Achencovil river)	N 09° 11'56.1" E 076° 53'37.4"	Achencovil River	0.20 lakh/Ha.	5 Ha.	5 Ha.	1.00	1.00
	Northern Circle, Kannur							
2	DFO, Wayanad (N)	N11°51'48.31" E076°01'15.95" N11°50'05.7" E075°49'17.1" N11°50'07.3" E075°49'12.4" N11°50'09.2" E075°49'10.5"	Thrissilery RF Vattapoyil	0.20 lakh/Ha.	5 Ha.	5 Ha.	1.00	1.00
3	DFO, Kasaragod			0.20 lakh/Ha.	5 Ha.	5 Ha.	1.00	1.00
	Eastern Circle, Palakkad							
4	DFO, Palakkad		Walayar & Olavakkode	0.20 lakh/Ha.	5 Ha.	5 Ha.	1.00	1.00
	FD PT Kottayam							
5	DD (W) Stabilization of River bank of Azhutha River at Azhuthakadavu	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha&Pampa Ranges	0.20 lakh/Ha.	5 Ha.	5 Ha.	1.00	1.00
	TOTAL						5.00	5.00

(v)	Soil and moisture conservation / Gully Plugging							
	High Range Circle, Kottayam							
1	Divisional Forest Officer Kothamangalam (Gully Plugging)	N10° 00'88.9 ' E 076° 48'36.8 " N10° 01'14.5" E076° 48'74.7"	Blavudy Plantation	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
2	Divisional Forest Officer Munnar (Gully Plugging)	N 09.97.093 E 076.97.15 N 09.57.508 E 076.56.46	Munnar/Devikulam	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
3	Divisional Forest Officer Mankulam (Gully Plugging)		Mankulam, Anakulam	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
4	Divisional Forest Officer Marayoor (Gully Plugging)	N10 ⁰ 17'17.84" E77 ⁰ 09' 30.45" N10015'40.07"E770 08' 48.63" N10016'09.38" E77009'12.90" N10015'01.08"E77008'27.66 " N10017'08.23"E77009'09.83 " N10014'21.10"E077011'28. 51" N10014'13.39"E077011'38. 61" N10014'32.25"E077011'35. 63" N10013'54.06"E077011'27. 85" N10014'29.53"E077011'18. 30"	Marayoor and Kanthalloor	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
	Northern Circle, Kannur							

5	DFO Wayanad South (Gully Plugging)	N11°50'35.8" E76°45'34.2" N11°32'50.55" E76°56'58.50" N11°37'11.4 "E75°59'53.4"	Pookode, Banasuramala, Vannathimala	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
6	DFO Kozhikkode (Gully Plugging)	N 11° 36'146.011" E75° 52'1 32'.811" N 11° 35'117.211" E75° 52'1 32'.911" N 11° 2'545".08 E76° 05'49.8" N 11° 44.20 E76° 05'49.1" N 11°29'18.6" E75° 55'56.2" N 11°23'52.68" E76° 04'39.13" N 11°29'44.24" E76° 01'32.30"	Kuttiyadi Range Puthupady, Kanalad, Edathara, Nairkolly, Kakkyam, Pannikkottor	0.01 lakh/M3	200M ³	200M ⁴	2.00	2.00
7	DFO Kannur (Gully Plugging)	N 11° 58 518" E 75° 50 544" Viyatnam colony Kottiyoor , N 11o 48 942 E 75o 45 557 Kolappa ,Kannavam N 11o 49 342 E 75o 44 847 Thettummal , Kannavam	Kottiyoor Kannavam	0.01 lakh/M3	200 M ³	200 M ³	2.00	2.00
FD PT Kottayam								

8	WLW, Idukki SMC Gully Plugging	N09°43'27.5"E76°56'58.7" N09°46'36.3"E76°58'24.1 to N09°46'41.8"E76°57'54.4", N09°44'27.4"E77°0'0.5 to N09°44'18.3"E77°0'41.3", N09°43'32.8"E76°57'26.9" to N09°47'5.3"E76°55'41.3", N09°44'28.8"E77°0'5.5" to N09°45'15.6"E76°58'58.4,N09° 43'34.2"E76°56'17.2" to N09°43'18.7"E76°56'54 N09°49'3.9"E76°57'25.5" to N10°07'08.1" E76°42'19.4" (15 GPS)	Kizhukanam Bheemanchuvadu area, Kathitheppan- Kettuchira, Vakavanam Area, Vanmavu- Kizhukkanam, Kallekkulam Area, Vettilappara- plantation area, Matnai, Chettippally Anjilithandu Plantation Area to Chettippally (15 locations)	0.01 lakh/M3	200M ³	200M ³	2.00	2.00
Central Circle, Thrissur								
9	DFO, Vazhachal(Gully plugging in Kollathirumedu Range)	N10 °26'53.5" E76° 46 '38.7" N10° 34'650" E76° 58 '420"	Kollathirumedu Charpa	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
10	DFO,Malayattoor(Gully plugging in Perumthodu/Erumugham area/Ennakkal area)	N10° 11'46.9" E 76 °33'49.5" N10 °12'11.14" E 76° 42'61.8"	Kodanad, Edamalayar	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
Agastyavanam Biological Park								
11	Wildlife Warden, Thiruvananthapuram (Gully plugging)	N 8° 49' 959" E 770 24' 12" N 80 33' 179" E 770 11' 404" N 80 30' 36.6" E 770 10' 73.5" N 80 36' 38.6" E 770 10' 53.5" N 80 36' 5.22" E 770 10' 3.68" N 80 34' 55.5" E 770 10' 32"	Ananirathy Njarakkavu Paneri Kathikkappara Podiyam Thannippara - Melappu	0.01 lakh/M3	200 M3	200 M3	2.00	2.00

12	Wildlife Warden, Shendurney (Gully plugging)	08°54'47.3" N 077°13'08.7"E 08052'05.9" N 077012'32.7"E 08053'36.6" N 077007'15.7"E	Kalamkundu Kalluvarambu Ettappadappu sections	0.01 lakh/M3	200 M3	200 M3	2.00	2.00
	TOTAL						24.00	24.00
(vi)	Construction of rain water harvesting/water retention structure							
	Agastyavanam Biological Park							
1	Wildlife Warden, Thiruvananthapuram (Construction of water retention structures water holes)	N 8° 34' 909" E 770 13' 404" N 80 33' 403" E 770 09' 538" N 80 30' 902" E 770 12' 315" N 80 32' 33.2" E 770 13' 23.7" N 80 33' 12.5" E 770 13' 34.9" N 80 37' 9.3" E 770 08' 26.4" N 80 39' 18.2" E 770 11' 00.6" N 80 38' 51.1" E 770 09' 33.6" N 80 34' 55.5" E 770 10' 32" N 80 36' 08.5" E 770 09' 17" N 80 35' 32.0" E 770 08' 47.2"	Theerthakkara Cherupunna Kallukadu Chettanolicakone Bhoothaka Pandipath Lathimotta Manjadikkanam Tholady Painthy Pulippara	0.70 lakh/each	3 nos.	3 nos.	2.10	2.10
	TOTAL						2.10	2.10
(vii)	Mtce of trek path/Patrolling Route							
	High Range Circle, Kottayam							

1	Divisional Forest Officer Marayoor	N10°17'17.84" E77° 09' 30.45" N10015'40.07"E770 08' 48.63" N10016'09.38" E77009'12.90" N10015'01.08"E77008'27.66 " N10017'08.23"E77009'09.83 " N10014'21.10"E077011'28.51" N10014'13.39"E077011'38.61" N10014'32.25"E077011'35.63" N10013'54.06"E077011'27.85" N10014'29.53"E077011'18.30"	Marayoor and Kanthalloor	0.16 lakh/each	10 Km	10 Km	1.60	1.60
Central Circle, Thrissur								
2	DFO, Malayattoor (Formation of trek path)	N10°21'21.4" E 76° 44'49.82"	Edamalayar	0.16 lakh/KM	10 KM	10 KM	1.60	1.60
3	DFO, Malayattoor (Formation of trek path)	N10°12'19.14" E 76° 44'49.82"	Kuttanpuzha	0.16 lakh/KM	10 No	10 No	1.60	1.60
Eastern Circle, Palakkad								
4	DFO, Mannarkkad		Mannarkkad, Agal	0.16/lakhKM	10 KM	10 KM	1.60	1.60
5	DFO, Palakkad		Walayar & Olavak	0.16 lakh/KM	10 KM	10 KM	1.60	1.60
Wildlife Circle Palakkad								
6	WLW Silent Valley (Mtce of patrolling routes/Trek paths)	N 11° 2' E 76°24' N 11° 13" E 76°12'	Bhavani/Silent Valley	0.016 lakh/E	10 KM	10 KM	1.60	1.60

Agastyavanam Biological Park								
7	WLW,Shendurney(maintenance of Patrolling Routes)	08°55'10.3"N 077°09'0.06"E to 08055'22.7"N 077008'19.1"E 08057'37.2"N 07700452.8"E to 08055'27.9"N 077008'01.3"E 08055'27.9"N 077008'01.3"E to 08056'26.5"N 077006'69.2"E 08053'13.1"N 077007'18.7"E to 08052'04.9"N 077007'02.3"E 08049'33.8"N 077012'58.2"E to 08050'70.4"N 077013'82.4"E		0.16/ KM	10 KM	10 KM	1.60	1.60
8	WLW,Thiruvananthapuram(maintenance of Patrolling Routes)	N 8° 32' 16.4", E 77° 13' 17.0" N 8° 31' 59.0", E 77° 16' 6.7" N 80 32' 44.8", E 77° 13' 06.7" N 8° 34' 42.1", E 77° 14' 14.6" N 80 32' 39.6", E 77°13' 08.2" N 8° 32' 37.8", E 77° 14' 22.0" N 80 33' 39.6", E 77° 13' 21.9" N 8° 33' 00.2", E 77° 13' 21.9" N 80 34' 55.8", E 77° 13' 19.8" N 8° 34' 16.4", E 77° 16' 0.1"	Valliyar- Thalamutty Utharamkayam - Pulivizhunthalchuna Neerazhipara - Chemmanamkundu Bhootaka - Ayanimoodappu Moongavila - Charupara	0.16/ KM	10 KM	10 KM	1.60	1.60
FD PT Kottayam								
9	DD (W) Mtce of Patrolling Routes / Trek Paths	N9°21'21.1"E76°57'.7.15, N9°30'41.9"E77.8°58.7"	Azhutha&Pampa Ranges	0.16 /Km	10 Km	10 Km	1.60	1.60
TOTAL							14.40	14.40
(viii)	Organising Joint Patrolling and Raids							
FD PT Kottayam								

1	DD (W) Organising Joint patrolling in Azhuhta and Pampa Ranges	N 09°28'42.1" E 077°04'58.2" N 09°30'42.8" E077°05'43.5" N09°27'33.52" E77°05'08.05" N 09° 27' 444" E 077°00'229" N 09° 26 43.8 E 09° 25 47 N09°42'14.0" E77°12'22" N09°29'26.3" E077°07'57.33" N 09°30'35.9" E 077°05'19.6"	Zero Point Seethakkulam Undamedu Tholar Puthussery Ponnambalamedu Uppupara Sathram	0.10 lakh/Raid	5 Nos.	5 Nos.	0.50	0.50
TOTAL							0.50	0.50
(ix)	Creation of Kayyalas							
High Range Circle Kottayam								
1	DFO, Kothamangalam (Construction)	N09°54'59.3" E076°49'54.6" N09°54'02.90" E076°50'37.7"	Chathanmala	0.01/M3	200 M3		2.00	
Eastern Circle, Palakkad								
2	DFO, Nenmara (Mtce)			0.01/M3	200 M3	200 M3	2.00	2.00
Agastyavanam Biological Park								
3	WLW, Shendurney Construction of Kayyalas along the boundaries	N-08° 54' 08.1" E-77° 12' 19.5" N- 08° 52' 54.4" E-77° 08' 34.2" N- 08° 57' 50.8" E-77° 04'	Ettappadappu, Kalluvarambu, Kalamkunnu	0.01/m3	100 m3	100 m3	1.00	1.00
FD PT Kottayam								
4	DD (W) Mtce and construction of Kayyalas - Azhutha Range			0.01/m3	200 M3	200 M3	2.00	2.00
TOTAL							7.00	5.00
(x)	Construction & Mtce of check dams							
High Range Circle Kottayam								

1	DFO, Marayoor (Mtce of check dam and desilting)	N10°17'17.84" E77°09'30.45" N10015'40.07"E770 08'48.63" N10016'09.38" E77009'12.90" N10015'01.08"E77008'27.66" N10017'08.23"E77009'09.83" N10014'21.10"E077011'28.51" N10014'13.39"E077011'38.61" N10014'32.25"E077011'35.63" N10013'54.06"E077011'27.85" N10014'29.53"E077011'18.30"	Marayoor & Kanthal	0.2 lakhs/E	5 Nos	5 Nos	1.00	1.00
FD PT Kottayam								
2	DD (E) Mtce of Check Dam (Desilting)	N-09°35'75.6" E-077°11'54.2"	Kunthirikkapalam	0.2 lakh/No.	1No	1No	0.20	0.20
3	DD (W) Mtce of Check Dam (Desilting)	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha & Pampa Ranges	0.2 lakh/No.	5 Nos.	5 Nos.	1.00	1.00
5	DD (E) Construction of Check Dam (Desilting)	N-09°36'37.2" E-077°11'42.3"	Ist Bridge	0.2 lakh/No.	2 Nos.	2 Nos.	0.40	0.40
Central Circle, Thrissur								
6	DFO, Malayattoor (Construction of checkdam-Evergreen OP)	N10 °11'46.9" E76° 33'43.5"	Kodanad	10 lakh /Each	1 No	1 No	10.00	10.00
Agastyavanam Biological Park								

7	Wildlife Warden, Thiruvananthapuram(Desilting ponds/check dam)	N 80 38' 51.1" E 770 10' 6.02" N 80 38' 53.7" E 770 10' 10.0" N 80 39' 12.4" E 770 09' 34.9" N 80 38' 40.8" E 770 11' 40.3" N 80 37' 18.0" E 770 11' 59.1" N 80 34' 25.9" E 770 12'6.59" N 80 33'43.8" E 770 10' 01.4"	Karikkulathukavu Panniyankadu Ottukal Appu Ottakkallu Kunnatheri Meenmutty-2 Cherupunnathode	0.2 lakh/No.	5 Nos	5 Nos	1.00	1.00
TOTAL							13.60	13.60
(xi)	Digging water holes/Ponds							
High Range Circle Kottayam								
1	DFO, Munnar	N 10.09.514 E 077.10.475 N 09.57.091 E 076.58.282 N 10.14.416 E 77.01.072	Adimali, Neriyamangalam & Munnar	0.50 lakh/Each	10 Nos	10 Nos	5.00	5.00
2	DFO, Malayattoor Construction of waterhole Kodanad Range	N10° 7'39.42" E76° 50'322"	Kuttanpuzha	0.50 lakh/Each	3 No	3 No	1.50	1.50
FD PT Kottayam								
3	DD (E) Construction of Well	N-09°12'35" E-077°33'32"	Poovarasu	2.00 lakh/Each	1No	1No	2.00	2.00
Northern Circle, Kannur								
4	DFO, Wayanad (S) (Ponds)			0.50 Lakh/Pond	5 Nos	5 Nos	2.50	2.50
5	DFO, Kasaragod (Ponds)	N12°34'14.8" E075°08'61.7"	Parappa	2.00 Lakh/pond	1 No		2.00	
Wildlife Circle Palakkad								
6	WLW Silent Valley (Construction, Cleaning, Desiltation of ponds)	N 11°35' 24.5" E 76°32'13.63" N 11°2'42" E 76°30'47.5"	Mukkali/Keeripara	0.5 lakh/each	2 Nos	2 Nos	1.00	1.00
FD PT Kottayam								
7	DD (W) Construction & cleaning of Pond	N9.57113322135° E76.99433431390°	Azhutha Range	2 lakh/Each	1 Nos.	1 Nos.	2.00	2.00
TOTAL							16.00	14.00
(xii)	Provision for field Ration for interior camps							

1	All Divisions			1.00 Lakh/ Division	36 Divisions	37 Divisions	36.00	36.00
	TOTAL						36.00	36.00
(xiii)	Provision for elephant corridor							
	Agastyavanam Biological Park							
1	WLW,Shendurney(Corridors for linking Periyar-Landscapes-Consultancy/Preliminary works of construction of Elephant Corridor at Aryankavu)			LS	LS		10.00	
	TOTAL						10.00	0.00
	Sub Total						200.60	174.60
III	Forest Fire Management							
(i)	Engaging Fire Gang							
	Southern Circle Kollam							
1	DFO, Konni	N 09° 10'0.84" E 076° 55' 45.9" N 09° 11'55.45" E 076° 59' 59.57" N 09° 11'57.32" E 077° 00'56.89" N 09° 8'.99" E 076° 58' 45.10" N 09° 10'22.58" E 077° 00'19.5" N 09° 09'6.02" E 076° 58' 02.56" N 09° 10'17.1" E 077° 00' 23.6"		0.0063 lakh/MM	1000 Man days	1001 Man days	6.30	6.30
2	DFO, Achencovil			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
3	DFO,Ranni			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
4	DFO, Thenmala			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
5	DFO, Punalur			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
6	DFO, Thiruvananthapuram			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
	Wildlife Circle Palakkad							

7	WLW, Parambikulam (Fire Mazdoor, Fire Gangs/VSS/EDC Assistance)		Parambikulam	0.0063 lakh/MM	1000 Man Days	1000 Man Days	6.30	6.30
8	WLW, Wayanad (Fire Mazdoor, Fire Gangs/VSS/EDC Assistance)	N 11° 35'49" E 76°13' 27" N 11° 35'59" E 76°02' 07"	Muthanga, Tholpetty, Kurichiyat, Sulthan Bathery Ranges	0.0063 lakh/MM	1000 Man Days	1000 Man Days	6.30	6.30
9	WLW Silent Valley (Fire Mazdoor, Fire Gangs/VSS/EDC Assistance)	N 11° 2' E 76°24' N 11° 13" E 76°12'	Bhavani/Silent Valley	0.0063 lakh/MM	1000 Man days	1000 Man days	6.30	6.30
High Range Circle, Kottayam								
10	Divisional Forest Officer Mankulam		Kadalar & Mankulam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30

11	Divisional Forest Officer Marayoor	N10 ⁰ 17'17.84" E77 ⁰ 09' 30.45" N10015'40.07"E770 08' 48.63" N10016'09.38" E77009'12.90" N10015'01.08"E77008'27.66 " N10017'08.23"E77009'09.83 " N10014'21.10"E077011'28. 51" N10014'13.39"E077011'38. 61" N10014'32.25"E077011'35. 63" N10013'54.06"E077011'27. 85" N10014'29.53"E077011'18. 30"	Marayoor and Kanthalloor	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
12	Divisional Forest Officer Munnar		Adimali, Munnar, Devikulam, Neriyamangalam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
Central Circle, Thrissur								
13	DFO,Thrissur (Fire Mazdoor/ Fire gang/ EDC Assistance)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
14	DFO,Chalakudy (Fire Mazdoor/ Fire gang/ EDC Assistance)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
15	DFO,Vazhachal (Fire Mazdoor/ Fire gang/ EDC Assistance)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30

16	DFO, Malayattoor (Fire Mazdoor/ Fire gang/ EDC Assistance)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
Eastern Circle, Palakkad								
17	DFO, Nilambur North (fire Mazdoor)		Nilambur, Edavanna & Vazhikkadavu	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
18	DFO, Nilambur South (Fire Mzdoor)		Karulai & Kalikavu	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
19	DFO, Mannarkkad (Fire Mazdoor)		Mannarkkad, Agali & Attappady	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
20	DFO, Palakkad (Fire Mazdoor)		Olavakkode, Walayar & Ottapalam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
21	DFO, Nemmara (Fire Mazdoor)		Kollengode, Alathur & Nelliampathy	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
23	DFO, Mannarkkad (Fire Mazdoor)		Mannarkkad, Agali & Attappady	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
Agastyavanam Biological Park								
24	WLW, Thiruvananthapuram (Fire Mazdoor)	N 8° 53' 42.5" E 77° 14' 9.13" N 8° 37' 18.0" E 77° 8' 12.3" N 8° 55' 6.04" E 77° 15' 59.9"	Neyyar, Peppara & ABP Range	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
25	WLW, Schenduroney (Fire Mazdoor)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
26	WLW, Shenduney (Protection Mazdoors)	08°54'47.3"N 077°13'08.7"E 08052'05.9"N 077012'32.7"E 08053'36.6"N 077007'15.7"E	Kalamkunnu Kalluvarambu Ettappadappu sections	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30

27	WLW,Thiruvananthapuram (Engaging Protection Mazdoors)	N 8° 32' 66.2" E 77° 10' 10" N 8° 32' 18.2", E 77° 15' 34.8" N 8° 52' 82.9", E 77° 22' 31.5" N 8°35' 11.0", E 77°13' 17.2" N 8° 31' 48.9", E 77°0' 59.8" N 8° 33' 12.5",E 77°13' 34.9"	Kottamanpuram Thalamutty Narayappu Theerthakkara Puravimala Utharamkayam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
28	WLW,Thiruvananthapuram (Engaging Protection Mazdoors)	N 8° 40' 11", E 77° 8' 83.9" N 8°37' 47.9", E 77° 10' 2.4" N 8° 36' 25.9", E 77° 09' 41.5"	Bonacaud Attayar Karlakode	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
Northern Circle, Kannur								
29	DFO, Kozhikode (Fire Mazdoor)	N 11° 39.068 E 075° 52.716 N 110 28.004 E 0750 52 505	Illiani, Mavattam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
30	DFO, Wayanad (N) (Fire Mazdoor/Fire Gangs/VSS/EDC Assistance	N11°50'27.5" E075°59'01.3" N11°51'27.5" E076°02'04.7" N11°48'11.53" E075°54'03.07" N11°50'47.24" E075°48'40.47" N11°50'21.03" E075°54'31.53" N11°42'30.81" E075°54'53.91" N11°45'451" E075°52'661" N11°43'364" E075°53'423"	Kumaramala- Edappady Thrissilery- Plamoola area Varayal Valad Chandanathode Varayal Mangalassery Nellery Manthalam	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
31	DFO, Wayanad (S) (Fire Mazdoor/Fire Gangs/VSS/EDC Assistance			0.0063 lakh/MM	1000 MD	1001 MD	6.30	6.30

32	DFO, Kannur (Fire Mazdoor/Fire Gangs/VSS/EDC Assistance)	N 11° 51 03 97 E 075° 54 41 76 (PALCHURAM) N 12° 00 84 9 E 075° 47 05 3 (EDAPPUZHA)		0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
33	DFO, Kasaragode (Fire Mazdoor/Fire Gangs/VSS/EDC Assistance)			0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
FD PT Kottayam								
34	DD (W) Engaging fire gangs at Pampa & Azhutha Ranges	N9.46303818455° E77.09177077570° N9.509944444444° E77.08547222220° N9.45850000000° E76.96833333330° N9.46247177914° E77.14308308030° N9.48958787808° E77.13370160490° N9.47636403500° E77.12198125400° N9.43904135011° E77.01710327540° N09°27'33.52"E077° 05'08.05" N 09° 27' 42.6"E 077° 01' 54.2"	Uppupara, Sathram, Moozhikkal, Pachakkanam, 4th Mile, Vamanakulam, Puthussery,Chooz hy,Undamedu, karimala	0.0063 lakh/MM	1000 mm	1000 mm	6.30	6.30
35	WLW,Idukki (Engaging fire mazdoors)	N09°45'49.4"E77°16.4'	Konnakuzhi in IWLS	0.0063 lakh/MM	1000 MM	1000 MM	6.30	6.30
		N09°49'23.8"E76°58'47.8"	Chempakassery - Idukki WLS					
		N09°47'11.4"E77°2'14.5"	Anchuruli - IWLS					

		N10°07'37.3"E76°45'11.5"	Urulanthanni - TBS					
		N10°07'31.3"E76°41'23.7"	Ovumkal - TBS					
	Social Forestry (Central Region) Ernakulam							
36	NSC Kalady		Kurimumudy Station and Kaprikkad section area	0.0063 lakh/MM	300 MM	300 MM	1.83	1.89
	TOTAL						216.03	216.09
(iv)	Fire Watch Station							
	FD PT Kottayam							
1	DD (W) Fire Watch Stations - Azhutha & Pampa Ranges	N09°42'14.0" E77°12'22"	Ponnambalamedu	1 lakh/Each	1 No	1 No	1.00	1.00
	TOTAL						1.00	1.00
	Sub Total						217.03	217.09
IV	<u>Biodiversity Conservation</u>							
(i)	Eradication of Exotic weeds/Obnoxious weeds							
	Wildlife Circle Palakkad							
4	Strategic Planning of eradication of Senna and Septabilis	N11°48'182"E76°06'564	Wayanad District				20.00	20.00
	TOTAL						20.00	20.00
(ii)	Bird survey and conservation							
	Social Forestry (Central Region) Eranakulam							
1	Bird survey and conservation		Ernakulam Thrissur Idukki Palakkad	0.20 Lakh/E	4 Division	4 Division	0.80	0.80
	Social Forestry (Southern Region) Kollam							
2	Bird survey and conservation		Thiruvananthapuram	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20
			Kollam	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20
			Pathanamthitta	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20
			Alappuzha	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20

			Kottayam	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20
	FD PT Kottayam							
3	DD (W) Awareness programmes at Kumarakom	N 09°37'40.46" E 076°25'43.62"	Kumarakom	0.20 lakh/Nos.	1 No.	1 No.	0.20	0.20
	TOTAL						2.00	2.00
(iii)	Sea Turtle Conservation							
	Social Forestry (Southern Region) Kollam							
1	Sea Turtle Conservation		Thiruvananthapuram	LS	LS	LS	1.00	1.00
			Kollam	LS	LS	LS	1.00	1.00
			Alappuzha	LS	LS	LS	1.00	1.00
	Social Forestry (Central Region) Ernakulam							
2	Sea Turtle Conservation		Ernakulam	LS	LS	LS	1.00	1.00
			Thrissur	LS	LS	LS	1.00	1.00
	TOTAL						5.00	5.00
	Sub Total						27.00	27.00
V	Infrastructure Development							
(i)	Providing basic infrastructure to tribal settlement							
	High Range Circle, Kottayam							
1	DFO, Marayoor (Providing LPG connection)		Marayoor & Kanthalloor	0.50 lakh/Colony	2 Nos	2 Nos	1.00	1.00
	Northern Circle, Kannur							
2	DFO S Wayanad			0.50 lakh/Colony	2 Nos	2 Nos	1.00	1.00
3	DFO N Wayanad	N11°51'49.48" E76°02'48.05" N11°50'37.82" E76°03'46.39" N11°50'39.26" E76°03'49.87" N11°53'15.10" E076°01'11.45"	Chembakamoola colony Ammani Paniya colony Konavayal-Oorali colony Madhyappady colony	0.50 lakh/Colony	2 Nos	2 Nos	1.00	1.00

4	DFO Kannur	N 11° 58 358 E 75° 50 975 - Viyatnam Colony N 11° 59 265 E 75° 48 131 Chathiroor		0.50 lakh/Colony	2 Nos	2 Nos	1.00	1.00
Wildlife Circle Palakkad								
5	WLW Silent Valley	N 11° 7' 44.3" E 76°31' 8.7" N 11° 9' 4" E 76°31' 44.2"	Anavai/Thudukki	0.50 lakh/Colony	2 Nos	2 Nos	1.00	1.00
TOTAL							5.00	5.00
Sub Total							5.00	5.00
VI Human Animal Interface								
(i) Engaging watchers to mitigate human animal interface								
1	Engaging skilled man mazdoor/man mazdoor for assisting Rapid Response Team in emergency situations to safeguard the interest of public as well as wildlife.			2 lakh/RRT	12 RRT	12 RRT	24.00	24.00
TOTAL							24.00	24.00
(ii) Preparation of detailed GIS based system for managing Human								
Southern Circle Kollam								
1	Preparation of detailed GIS based Human animal conflict Management plan for the circle			3 lakhs/ Each	1 No	1 No	3.00	3.00
TOTAL							3.00	3.00
(iii) Creation of Elephant Proof Trench								
Southern Circle Kollam								
1	DFO, Thenmala (EPT in tribal hamlet)			10 lakh/KM	1 KM	1 KM	10.00	10.00
FD PT Kottayam								
2	DD (W) Construction of Stone pitched EPT around anti-poaching Campshed	N 090 27' 42.6" E 0770 01' 54.2"	Choozhy	3.00 lakh/Each	1 No.	1 No.	3.00	3.00
TOTAL							13.00	13.00
Sub Total							40.00	40.00

VII Capacity Building								
(i) Awareness Program								
Southern Circle, Kollam								
1	DFO, Konni (Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
2	DFO, Achencoil(Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
3	DFO, Ranni (Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
4	DFO, Punalur (Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
5	DFO, Thenmala (Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
6	DFO, Thiruvananthapuram (Conducting training and awareness programmes to field staff, VSS members and public)			0.10 lakh /Each	5 No	5 No	0.50	0.50
TOTAL							3.00	3.00
(ii) Training and workshops								
Wildlife Circle Palakkad								
1	Wildlife Warden, Wayanad	N 11° 35'49" E 76°13' 27" N 11° 35'59" E 76°02' 07"	Muthanga, Tholpetty, Kurichiyat, Sulthan Bathery Ranges	0.20 lakh/No	3 Nos	3 Nos	0.60	0.60

	High Range Circle Kottayam							
2	DFO, Marayoor (Training of staff and watchers)		Marayoor	0.20 lakh/No	2 Nos	2 Nos	0.40	0.40
	TOTAL						1.00	1.00
(iii)	Conducting Nature Camps							
	Northern Circle, Kannur							
1	DFO Wayanad North	N11°55'28.8" E076°02'6.3."	Thirunelly	0.10 Lakh/No	5 Nos	5 Nos	0.50	0.50
	FD PT Kottayam							
2	DD (W)Conducting Nature Camps	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha&Pampa Ranges	0.20 lakh/No	5 Nos	5 Nos	1.00	1.00
3	WLW, Munnar Conducting Nature Camps	N 10 ⁰ 8'13.71" E 077 ⁰ 15' 16.61'	PSNP	0.20 lakh/No	5 Nos	5 Nos	1.00	1.00
4	WLW, Idukki Conducting Nature Camps	N09°50'41.7"E76°57'25.14" N10°07'43.4"E76°41'19.8"	Idukki Wildlife Sanctuary & Thattekkad Bird Santuary	0.20 lakh/No	5 Nos	5 Nos	1.00	1.00
	TOTAL						3.50	3.50
(iv)	Training to protective staff in batches of 20 to 30 persons (in a batch)							
	Northern Circle, Kannur							
1	DFO, Wayanad (N)			0.20 Lakh/Batch	3 Nos	3 Nos	0.60	0.60
2	DFO, Wayanad (S)			0.20 Lakh/Batch	3 Nos	3 Nos	0.60	0.60
3	DFO, Kasaragod			0.20 Lakh/Batch	3 Nos	3 Nos	0.60	0.60
	FD PT Kottayam							
4	DD (W)Training to lower level staff in batches of 20 to 30 persons (in a batch)	N9.57113322135° E76.99433431390° N9.43530571053° E76.94728230020°	Azhutha and Pamba	0.20 Lakh/E	3 Nos	3 Nos	0.60	0.60
	TOTAL						2.40	2.40

	FD PT Kottayam							
5	Land Scape Based Learning Centre						20.00	6.00
	TOTAL						20.00	6.00
	Sub Total						29.90	15.90
	Grand Total						796.00	595.17

Chief Executive Officer
Kerala State CAMPA

State CAMPA APO 2016-17 & 2017-18 (Progress upto December 2020)

Sl. No.	Component/Particular of the work	GPS Reading	Location	Rate/ unit	Physical Target	Physical Achievement	Financial Target (Rs. In lakh)	Financial Achievement
I Compensatory Afforestation Funds								
(i) Compensatory Afforestation Works								
Northern Circle Kannur								
1	Preparatory work for setting up Permanent Nursery in 3 Districts		Thiruvananthapuram, Pathanamthitta, Palakkad.	10 Lakh/ District	3 District		30.00	20.04
2	Completion of Central Nursery work (Phase II)		Wynad, Kasargod	70.00 Lakh/Each	2 District.		140.00	30.86
TOTAL							170.00	50.90
II Forest and Wildlife Protection								
(i) Interior Camp Sheds								
Wildlife, Palakkad								
1	Wildlife Warden, Wayanad (Construction of Interior camp shed)	N11°45'20.5" E76°24'50.0"	Rampur	2.00 Lakh/shed	1 No		2.00	1.03
2	Wildlife Warden, Parambikulam (Construction of Interior camp shed)	76.690472, 10.376583; 76.588528, 10.435917	Padukutty	2.00 Lakh/shed	1 Nos.		2.00	2.00
Eastern Circle, Palakkad								
3	DFO, Mannarkkad	N11°2'6.17"E76°30'7.65"	Mezhukkumpara	2.00Lakh/ Shed	1 Nos		2.00	1.63
Sub Total							6.00	4.66
(ii) Soil and moisture conservation / Gully Plugging								
Southern Circle, Kollam								
1	DFO Thenmala (Gully Plugging)	N08° 58' 00" E77° 04'15" N08° 58' 45" E77° 09'15"	Thenmala Thalappara	Rs.1000/M ³	100 M ³		1.00	1.08
2	DFO Thiruvananthapuram (Contour bunding)	N 08° 69' 172" E 077° 01' 527" N 08° 80' 825" E 077° 4' 557" N: 08 37 12" E:077 08 085	Palode Kulathupuzha	Rs.1000/M ³	100 M ³	110 M	1.00	1.14

3	DFO Punalur (Contour bunding)	N 8° 52' 55.3" E 76° 59' 24.1"	Meenkulam	Rs.1000/M ³	100 M ⁴		1.00	0.75
4	DFO Konni (Gully Plugging)	N 9° 12' 0.859" E 76° 54' 9.9" N 9° 11' 33.9" E 77° 53' 55" N 9° 7' 54.3" E 77° 2' 24.6"	Naduvathumoozhy Mannarappara Konni	Rs.1000/M ³	100 M ³		1.00	0.00
5	DFO Achenkovil (gully plugging)	N 9° 10' 06.6" E 77° 10' 1.26" N 9° 07' 8.83" E 77° 11' 5.51" N 9° 07' 06.6" E 77° 10' 04.60" N 9° 29' 09.0" E 77° 11' 02.50"	Vazhaperiyar , Kattikuzhi Nirathupara Pettiveenaaruvi of Kanayar Range	Rs.1000/M ³	200 M ³	122.06	2.00	1.55
6	DFO Ranni (Gully Plugging)	N 9° 15' 59.97" E 77° 27' 0.396" N 9° 16' 12.9" E 77° 00' 38.4" N 9° 16' 10.9" E 77° 00' 35.8" N 9° 23' 795" E 76° 57' 891" N 9° 23' 12.1" E 76° 49' 50.8" N 9° 23' 7.29" E 76° 54' 0.63" N 9° 23' 16.3" E 77° 4' 8.1" N 9° 22' 51.5" E 77° 3' 11.6" N 9° 23' 13.8" E 77° 4' 27.1" N 9° 23' 11.3" E 77° 4' 17.4" N 9° 23' 39.5" E 77° 02' 28.6"	Ranni Goodrikal Aluvakudy Valanjavally Charupara Kuthumon Vazhayilappara Ancharamon Karikulam Kurumbanmoozhy Double Kalingu Kunthirikanthodu Ottaplavuthodu	Rs.1000/M ³	200 M ³	50	2.00	1.35
High Range Circle, Kottayam								
7	DFO Kottayam (gully plugging)	N 09° 27' 50.6" E 076° 49' 30.5" N 09° 43' 34.9" E 077° 01' 10.2"	Erumely Ayyappancoil	Rs.1000/M ³	100 m ³	100	1.00	1.00
8	DFO Kothamangalam (gully plugging)	N 10° 00' 88.9" E 076° 48' 36.8" N 10° 00' 575" E 076° 45' 760" N 10° 01' 14.5" E 076° 48' 74.7"	Mullaringad Range	Rs.1000/M ³	100 m ³		1.00	1.96
9	DFO Munnar (gully plugging)	N09°97'093 E76°97'15, N09°57'508 E76°56'46	Munnar, Devikulam	Rs.1000/M ³	200M ³		2.00	2.12
10	DFO Mankulam (Gully Plugging)	N10°05'18.4" E076°54'53.0", N10°08'17.1" E076°59'47.4"	Pullumedu, Kadalar & Anakulam	Rs.1000/M ³	100 M ³		1.00	1.07

11	DFO, Marayoor (Gully Plugging)	N10°16'38, E77°09'27, N10°12'49 E77°09'53	Marayoor & Kanthalloor ranges	1000/M ³	400M ³		4.00	4.27
Northern Circle, Kannur								
12	DFO Wayanad South (Gully Plugging)	N11°32'22.8"E76°00'98.2 N11°41'17.5"E76°56'30.7"	Kocheri, Kolliyamkandan Para, Valachola, Padikolly, Methodam & Sugandagiri	Rs.1000/M ³	200M ³		2.00	2.00
13	DFO Kozhikkode (Gully Plugging)	N 11° 41' 115" N 11° 41' 137"	Puthupady, Kanalad, Edathara, Nairkolly, Kakkyam, Pannikkottor	Rs.1000/M ³	100M ³		1.00	1.03
14	DFO Kannur (Gully Plugging)	N12°30'14.8" E075°22'61.7"	Kottiyoor Kannavam	Rs.1000/M ³	100 M ³		1.00	1.26
FD PT Kottayam								
15	WLW Idukki (gully plugging)	N09°43'27.5"E76°56'58.7" N09°46'36.3"E76°58'24.1 to N09°46'41.8"E76°57'54.4", N09°44'27.4"E77°0'0.5 to N09°44'18.3"E77°0'41.3", N09°43'32.8"E76°57'26.9" to N09°47'5.3"E76°55'41.3", N09°44'28.8"E77°0'5.5" to N09°45'15.6"E76°58'58.4,N09°43'3 4.2"E76°56'17.2" to N09°43'18.7"E76°56'54 N09°49'3.9"E76°57'25.5" to N10°07'08.1" E76°42'19.4" (15 GPS)	Kizhukanam Bheemanchuvadu area, Kathitheppan- Kettuchira, Vakavanam Area, Vanmavu- Kizhukkanam, Kallekkulam Area, Vettilappara- plantation area, Matnai, Chettippally Anjilithandu Plantation Area to Chettippally (15 locations)	Rs.1000/M ³	100M ³	98.16	1.00	1.10

Wildlife Circle Palakkad								
16	WLW Peechi (Gully Plugging, Contour bunding)	N 10° 34' 44.5" E 76° 24' 33.9" N 10° 35' 53" E 76° 20' 57" N 10° 24' 46.3" E 76° 27' 30.1" N 10° 25' 38.42" E 76° 28' 31.6"	Kallakkunnu & Mattungalkuthu Kidakkappara, Vavala Chappath	Rs.1000/M ³	200 m ³		2.00	4.30
17	WLW Silent Valley (gully plugging)	N 11° 2' E 76° 24' and N 11° 13' E 76° 32'	Silent Valley/ Bhavani	Rs.1000/M ³	100 m ³		1.00	0.28
Sub Total							25.00	26.26
(iii) Mtce of Patrolling Routes / Trek Paths								
Southern Circle, Kollam								
1	DFO Achenkovil	N 09° 124.23' E 77° 19.485' and N 09° 116.82' E 77° 23.393'	Vazhaperiyar to Onnamkallu of Kanayar Range	0.16 lakh/Km	6 Km	6	0.96	1.01
ABP Circle, Thiruvananthapuram								
2	WLW Shendurney	N 08° 50' 70.4" E 077° 13' 03.6" to N 08° 52' 71.9" E 077° 10' 74.6" N 08° 49' 61.6" E 077° 13' 3.6" to N 08° 51' 67.0" E 077° 13' 26.0" N 08° 57' 37.2" E 077° 04' 52.8" to N 08° 55' 27.9" E 077° 08' 01.3"	Kalamkunnu, Kalluvarambu, Eattappadappu	0.16 lakh/Km	20 Km		3.20	3.17
3	WLW Thiruvananthapuram	N9°25'58.7"E76°56'56.4" N9°32'45"E70°56'32" N8°35'7.4"E77°13'19.2"	Neyyar Peppara Kottoor	0.16 lakh/Km	20 Km		2.72	2.91
FD PT Kottayam								
4	DD PTR West Division	N9°21'21.1"E76°57'7.15, N9°30'41.9"E77.8°58.7"	Azhutha and Pamba	0.16 lakh/Km	3 Km	1.4	0.48	0.48
5	DD PTR East Division	N09°31'385 N09°36'5247 E77°16'684, N09°16'1172 E77°13'2762 N09°36'1678 E77°24'5937, N09°24'5327 E77°05'3548 N09°36'2776 E77°16'0684	Thekkady, Periyar, Vallakkadvu	0.16 lakh/Km	10 KM	8	1.60	1.60
Wildlife Circle Palakkad								

6	WLW Wayanad	N11° 35' 49" E 76° 13' 27" N11° 35' 59" E 76° 02' 07"	Muthanga, Sulthan Bathaery, Kurichiat and Tholpetty Ranges	0.16 lakh/Km	10 Km		1.60	1.58
	Sub Total						10.56	10.75
(iv)	Construction, cleaning, Desiltation of Pond							
	ABP Circle, Thiruvananthapuram							
1	WLW Schendurney	N 8° 54' 47.3" E 77° 13' 8.7" N 8° 52' 5.9" E 77° 12' 32.7" N 8° 53' 36.6" E 77° 7' 15.7"	Kalluvarambu	0.30 Lakh/pond	7 Nos		2.04	2.54
2	WLW Thiruvananthapuram	N 8° 50' 35.9" E 77° 24' 12" N 8° 30' 6.6" E 77° 14' 36.3" N 8° 30' 44.3" E 77° 14' 12.8" N 8° 31' 30.5" E 77° 14' 8.7" N 8° 34' 12.5" E 77° 12' 57.2" N 8° 38' 51.1" E 77° 10' 6.02" N 8° 38' 53.7" E 77° 10' 10" N 8° 39' 12.4" E 77° 9' 34.9" N 8° 38' 40.8" E 77° 11' 40.3" N 8° 37' 18" E 77° 11' 59.1"	Ananirathy Mailamood Arukappu Arukappu II Ayyamkuzhi Karikulathukavu Panniyamkadu Pottukal Appu Ottakallu Kunnatheri	0.30 Lakh/pond	6 Nos		1.80	1.66
	Social Forestry, Central Region, Ernakulam							
3	DFO (SF) Ernakulam	N-10°12.364' E-076°30.119'	Ernakulam	0.20 Lakh/pond	13 Nos		2.60	2.60
4	NSC, Kaladay	N-10°12.364' E-076°30.119' N-10012.602' E-076031.154'	Suvarnodhyanam, Nedumbassery,	1.00 Lakh/pond	2 Nos		2.00	2.00
	Southern Circle Kollam							
5	DFO, TVPM (Ponds)	N: 08 48 22.52 E:077 05 34.15 N: 08 43 54.4 E: 077 06 06.8 N: 08. 39' 59.6 E: 077. 08 507	Sankily, Kallar Vithura	0.50 Lakh/pond	9 Nos	9	4.50	3.14
	High Range Circle, Kottayam							
6	DFO, Munnar (Digging of water holes)	N10°18'77.6"E77°33'54.5	Adimaly, Neriyamangalam	0.28 Lakh/Pond	15 Nos		4.20	3.65
	Sub Total						17.14	15.59
(v)	Better connectivity includes culverts/foot bridges, roads.							
	Wildlife, Palakkad							

1	Wildlife Warden, Wayanad (Construction of Bridges,Chappath,Culvert)	N11° 35' 49" E 76° 13' 27" N11° 35' 59" E76° 02' 07"	MuthangaTholpetty, Kurichiat ,S.Battery Ranges	LS	LS		10.00	11.00
	High Range Circle, Kottayam							
2	DFO, Mankulam (Hanging bridge)	N10°07'47.9" E076°58'27.9"	Karinthiriar to Methap	LS	1 No		7.00	0.00
	Northern Circle, Kannur							
3	DFO, Kozhikode (Construction of Culvert)	N 11° 41' 115" N 11° 41' 137"	Kozhikode	8.00 Lakh/Culvert	1 No		8.00	8.02
	Agastyavanam Biological Park							
4	Wildlife Warden,Thiruvananthapuram (Bridges)	N 8°34'54.8" E 77° 13' 9"	Amalathode	3.00 Lakh/No	1 No		3.00	3.07
5	Wildlife Warden,Shendurney (Construction of Hanging Bridge)	N08°56'17.3" E77°06'11.0"	Mannanthala	15 Lakh/No	1 No		15.00	10.27
	Sub Total						43.00	32.36
(vi)	River Bank Stabilization/Protection							
	Agastyavanam Biological Park							
1	Wildlife Warden, Shendurney	N08°56'33.8" E77°05'77.5" & N08°52'30.8" E77°11'33.0"	Kazhuthurutti & Umaya river	0.20 Lakhs/KM	10 KM		2.00	2.22
	Northern Circle, Kannur							
2	DFO, Wayanad (N)	N11°32'25.8"E76°00'75.2	Mananthavady	0.10 Lakhs/Ha	5 KM		5.00	2.96
3	DFO, Kasaragod	N12°34'14.8" E075°08'61.7"	Parappa	0.20 Lakhs/Ha	50 Ha		10.00	9.80
	Southern Circle Kollam							
4	DFO, (Timber Sales Division) Punalur, (Amount for balance work)	N9°19.0' E76°28'	Veeyapuram Depot	LS	1 KM		41.30	41.30
	Sub Total						58.30	56.28
	TOTAL						160.00	145.90
III	FOREST FIRE MANAGEMENT							
(i)	Fire Watch Stations							
1	DFO, Kothamangalam	N 10°00'1.88.9" E 076°48'36.38"	Mullaringad	2.25 Lakh/ Watch station	1 No		2.25	0.00

2	DFO, Marayoor	N 10° 14' 21.10" E 077° 11' 28.51" N 10° 14' 13.39" E 077° 11' 38.61" N 10° 14' 32.25" E 077° 11' 35.63" N 10° 13' 54.06" E 077° 11' 27.85" N 10° 14' 29.53" E 077° 11' 18.30" N 10° 16' 55.65" E 077° 09' 37.70" N 10° 17' 17.89" E 077° 09' 30.56" N 10° 16' 59.18" E 077° 09' 12.35" N 10° 15' 34.65" E 077° 09' 02.49" N 10° 16' 08.21" E 077° 09' 14.24"	Marayoor, Kanthalloor	0.75 Lakh/ Watch station	6 No		4.50	4.23
	Sub Total						6.75	4.23
	TOTAL						6.75	4.23
IV	Biodiversity Conservation							
(i)	Eradication of Exotic weeds							
	Central Circle, Thrissur							
1	DFO Vazhachal (Invasive species)	N 10° 19' 40.9" E 76° 37' 56.2" N 10° 15' 54.2" E 76° 38' 2" N 10° 15' 35.7" E 76° 40' 7.8" N 10° 35' 76.7" E 76° 60' 19.1"	Poringalkuth Reserve Kalakkallu Maniyanmedu Pottamudi Reserve Area	0.10 Lakh/Ha	40 Ha	49 Ha	4.00	4.38
	Northern Circle Kannur							
2	DFO Wayanad South	N11°48'182"E76°06'564	Pakkom Kuruva Area	0.10 Lakh /Ha	40 Ha		4.00	3.90
	ABP Circle, Thiruvananthapuram							
3	WLW Schendurney	N 8° 54' 19" E 77° 10' 10.9" N 8° 52' 59.3" E 77° 11' 25.2"	Kalluvarambu Kalamkunnu Ettapadappu	0.10 Lakh/Ha	15 Ha	28	1.50	0.62
	FD PT Kottayam							
4	DD PTR Peermed	N90°21'21.1"E76°57'.7.15, N90°30'41.9"E77.8°58.7"	Azhutha and Pamba	0.10 Lakh/Ha	15 Ha	14.97	1.50	1.50

5	WLW Idukki	N09°49'35.9"E76°58'50.9, N09°49'23.8"E76°58'47.8, N09°49'57.3"E76°58'33.3", N09°49'14.6"E76°58'12.2" N09°45'26.9"E76°58'3.1", N09°47'55.6"E76°58'44.6", N09°46'47"E76°58'58.8", N09°44'35.9"E76°58'50.9", N10°07'37.3"E76°45'11.5", N10°07'27.3"E76°45'11.5"	Makvellikandam, Chembakasseri, Keerimudi, Kaivanod, Chakkakonam, Ambukallu, Thalakuthimavu, Kallumedu, Urulanthanni, Pheasidukki	0.10 Lakh/Ha	15 Ha	2	1.50	0.11
6	WLW Munnar	N10°13'77.6"E77°25'54.5 N10°20'21.6"E77°13'51.8 N10°18'06.9"E77°11'98.3 N10°21'19"E77°10'59.8	Vattavada Near karakkadu Churulpettu Area Near Thayannankudy	0.10 Lakh/Ha	15 Ha		1.50	1.40
Wildlife Circle Palakkad								
7	WLW Wayanad	N 11° 35' 49" E 76° 13' 27" N 11° 35' 59" E 76° 02' 07"	Muthanga,Sulthan Bathaery , Kurichiat and Tholpetty Ranges	0.10 Lakh/Ha	40Ha		4.00	3.99
8	WLW Peechi	N 10° 30' 25.6" E 76° 25' 07.8" N 10° 33' 53.3" E 76° 23' 16.6" N 100 27' 54" N 100 39' 47.09" E 760 18' 4.122" E 760 28' 53.155" N 100 24' N 100 29' 5" E 760 31' E 760 37'	Mampara & Michle Janda Peechi & Chimmony	0.10 Lakh/Ha	40 Ha		4.00	1.70
Sub Total							22.00	17.60
(ii) Plant Diversity								
Social Forestry, Central Region, Ernakulam								
1	Social Forestry Division, Ernakulam (Production of Mangrove seedlings)	10° 0' 26 0 753"N 76° 13' 86 0 52"E	Ernakulam	Rs.20/Seedling	5000 Nos	5000	1.00	1.00
2	Social Forestry Division, Thrissur (Production of Mangrove seedlings)	N 10°32'50.6" E 076°4'02"	Perigad Mangroves	Rs.20/Seedling	5000 Nos	5000	1.00	1.00
3	Social Forestry Division, Ernakulam (Indegenious species for restoration of sacred grooves)	10° 6' 20.923" N 076° 32' 38.356" E	Ernakulam	Rs.25/Seedling	2000 Nos	2000	0.50	0.49

4	Social Forestry Division, Idukki (Production of big basketted seedlings of evergreen species)	N9° 49'34.881" E76° 47'43.811" N9° 50'44" E76° 57' 25" N10°02' 36.4" E076° 53' 45.1"	Kudayathoor Vellappara Kattamudy	Rs.50/Seedling	1000 Nos	1000	0.50	0.56
5	Social Forestry Division, Thrissur (Production of big basketted nakshthranam seedlings) 50 sets	N 10°18'05.3" E 076°19'08.8"	Chalakkudy	Rs.52/Seedling	1350 Nos	1350	0.70	0.70
6	Social Forestry Division, Ernakulam (Production & maintenance of medicinal species seedlings like "dasapushpam, thriphala" etc)	N-10°12.364' E-076°30.119'	Ernakulam	Rs.15/Seedling	10000 Nos	10000	1.50	1.50
7	Social Forestry Division, Thrissur (Production & maintenance of medicinal species seedlings like "dasapushpam, thriphala" etc)	N 10°18'05.3" E 076°19'08.8"	Chalakkudy	Rs.15/Seedling	5000 Nos	5000	0.75	0.75
8	Social Forestry Division, Idukki (Production and distribution of medicinal tree species seedlings such as Asokam Aryavepu)	N9°49'33.998" E76°47'44.922" N9°44' 02" E77°02' 51.67" N10°02' 36.4" E076° 53' 45.1"	Kudayathoor Murikkattukudy Kattamudy	Rs.200/Seedling	500 Nos	500	1.00	1.00
	Sub Total						6.95	7.00
	TOTAL						28.95	24.60
V	INFRASTRUCTURE DEVELOPMENT							
(i)	Solar Lighting in tribal hamlet							
	Wildlife Circle Palakkad							
1	WLW Silent Valley	N11°2' E76°24' N11°13' E76°32'	Silent Vally, Bhavani	LS	LS		4.00	4.00
	Sub Total						4.00	4.00
(ii)	Providing Vehicle							
1	Providing 4 Wheel Drive Vehicle to field officers (Rangers/Forest Stations)			6.30 lakh/No.	19 Nos		119.70	119.70
	Sub Total						119.70	119.70
(iii)	Providing Basic Infrastructure to Tribal Settlement including provision for LPG connection							
	Southern Circle Kollam							

1	DFO Ranni	N 9 ⁰ 18' 52.3" E 77 ⁰ 4' 7.8", N 9 ⁰ 20' 29.2" E 76 ⁰ 54' 39.6"		1lakh/ Colony	1 No		1.00	1.00
2	DFO Trivandrum	N 08 43 54.4 E 077 06 06.8 N 08 48 22.52 E 077 05 34.15 N 08 37 12 E 077 08 085	Palode Kulathupuzha paruthipally	1lakh/ Colony	2 Nos		2.00	5.34
High Range Circle Kottayam								
3	DFO Munnar	N10°13'77.6"E77°25'54.5	Vattavada	1lakh/ Colony	3 Nos		3.00	2.28
Eastern Circle Palakkad								
4	DFO Nilambur North	N11°4'25" E76°4'28.0"	Nilambur	1lakh/ Colony	2 Nos		2.00	1.98
5	DFO Mannarkkad	N11°2'6.17"E76°30'7.65" N11°5'14.7"E76°43'46" N11°11'40.5"E76°39'2.35"	Mezhukkumpara Thuva Molakombu	1lakh/ Colony	4 Nos		4.00	4.36
6	DFO Palakkad	N 11° 2' E 76° 24'	Palakkad	1lakh/ Colony	1 Nos		1.00	1.00
Northern Circle Kannur								
7	DFO S Wayanad	N11°32'25.8"E76°00'75.2	Wayanad (S)	1lakh/ Colony	6 Nos		6.00	6.10
8	DFO N Wayanad	N11°32'25.8"E76°00'75.2	Mananthavady	1lakh/ Colony	6 Nos		6.00	7.00
9	DFO Kannur			1lakh/ Colony	1 No		1.00	0.47
ABP Circle, Thiruvananthapuram								
10	WLW Trivandrum	N 8 ⁰ 53' 42.5" E 77 ⁰ 14' 9.13" N 8 ⁰ 37'18.0" E 77 ⁰ 8'12.3" N 8 ⁰ 55' 6.04" E 77 ⁰ 15' 59.9"	Neyyar, Peppara & ABP Range, Kottoor	1lakh/ Colony	4 Nos		4.00	3.88
Wildlife, Palakkad								
11	Wildlife Warden, Silent Valley (Providing solar lamps to tribals in and around the park)	N11°2' E76°24' N11°13' E76°32'	Silent Valley/ Bhavani	0.50 Lakh/Each	1 Nos		0.50	1.22
Southern Circle Kollam								
12	DFO, Ranni (Const. of Vanasree unit pampa and turmeric processing unit Vadasserikara)	N9°24' 17" E77°4'12.6" , N9°20' 35.15 " E76°50' 4.5"	Pamba & Vadasserikkara	LS	LS		12.00	12.10
Sub Total							42.50	46.73
(iv)	Customised camper for Crisis Management							
1	All Districts for crisis management			9.5 Lakhs/ Circle	7 RRT		65.10	44.96
Sub Total							65.10	44.96

(v)	Light System as in fire force (Tower Lights)	All Divisions		1lakh/ District	12 Nos		12.00	0.00
	Sub Total						12.00	0.00
(vi)	Total Station Survey Equipments							
1	Southern Region			Rs.5 Lakhs/E	4 No		20.00	0.00
	Sub Total						20.00	0.00
(vii)	Arms and Ammunition, viz Pellet Guns, Pump Action guns etc.		All Divisions	LS	36 Nos		36.00	32.40
	Sub Total						36.00	32.40
	TOTAL						299.30	247.79
VI	Human Animal Interface							
1	DFO, Wayanad (S) (Compensation to victims affected of wildlife attack) as per the rate fixed by Government.	N11°32'22.8"E76°00'98.2	Wayanad (S)	LS	LS		0.00	0.00
2	DFO, Kasaragode (Compensation to victims affected of wildlife attack)	N12°34'14.8" E075°08'61.7"	Kasaragode	LS	LS		0.00	0.00
	Sub Total						0.00	0.00
	TOTAL						0.00	0.00
VII	TRANSLOCATION OF FOREST ENCLOSURES							
1	Voluntary Acquisition of habitations inside/contiguous to forest areas prone to human animal interface.			LS	LS		0.00	0.00
	GRAND TOTAL						665.00	473.42

Chief Executive Officer
Kerala State CAMPA

ANNEXURE II

KERALA FOREST DEPARTMENT

PLAN PROGRESS REPORT (FINANCIAL) TILL THE DATE OF 1st December 2022 DURING 2022-23 (Rs in lakhs)

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A. STATE SECTOR SCHEMES																		
I	Management of Natural Forests																	
1	Forest Protection (2406-01-101-81)	2600.000	-	2600.000			2600.000	-	2600.000	2600.000	-	2600.000	1378.000	-	1378.000	1234.272	89.57	47.47
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2800.000	-	2800.000			2800.000	-	2800.000	2800.000	-	2800.000	1330.280	-	1330.280	1120.646	84.24	40.02
3	Regeneration of Denuded Forest (2406-01-101-94)	300.000	-	300.000			300.000	-	300.000	300.000	-	300.000	66.360	-	66.360	48.424	72.97	16.14
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	200.000	-	200.000			200.000	-	200.000	200.000	-	200.000	76.820	-	76.820	39.883	51.92	19.94
	Sub Total (i)	5900.000	0.000	5900.000			5900.000	0.000	5900.000	5900.000	0.000	5900.000	2851.460	0.000	2851.460	2443.225	85.68	41.41
II	Improving Productivity of Plantations																	
1	Hard Wood Species (4406-01-105-87) (01)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000	241.100	-	241.100	215.103	89.22	43.02
2	Industrial Raw Materials (4406-01-105-87) (02)	200.000	-	200.000			200.000	-	200.000	200.000	-	200.000	47.240	-	47.240	16.950	35.88	8.46
	Sub Total (II)	700.000	0.000	700.000			700.000	0.000	700.000	700.000	0.000	700.000	288.340	0.000	288.340	232.053	80.48	33.15
III	Infrastructure Development																	
1	Roads (4406-01-070-99)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000	196.000	-	196.000	180.547	92.12	45.14
2	Building (4406-01-070-97)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000	232.000	-	232.000	207.495	89.44	51.87
	Sub Total	800.000	0.000	800.000			800.000	0.000	800.000	800.000	0.000	800.000	428.000	0.000	428.000	388.042	90.66	48.51

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
i	Management of Wildlife Sanctuaries																	
1	Neyyar Wildlife Sanctuary (2406-02-110-28) (01)	-	55.500	55.500			-	55.500	55.500	0.000	0.000	0.000	0.000	23.865	23.865	0.000	0.00	0.00
	Neyyar Wildlife Sanctuary (2406-02-110-28) (02)	37.000	-	37.000			37.000	-	37.000	0.000	0.000	0.000	19.610	0.000	19.610	11.100	56.60	30.00
	Subtotal	37.000	55.500	92.500			37.000	55.500	92.500	0.000	0.000	0.000	19.610	23.865	43.475	11.100	25.53	12.00
2	Wayanad Wildlife Sanctuary (2406-02-110-27) (01)	-	120.000	120.000			-	120.000	120.000	0.000	0.000	0.000	0.000	63.600	63.600	0.000	0.00	0.00
	Wayanad Wildlife Sanctuary (2406-02-110-27) (02)	80.000	-	80.000			80.000	-	80.000	0.000	0.000	0.000	42.400	0.000	42.400	14.400	33.96	18.00
	Subtotal	80.000	120.000	200.000			80.000	120.000	200.000	0.000	0.000	0.000	42.400	63.600	106.000	14.400	13.58	7.20
3	Idukki Wildlife Sanctuary (2406-02-110-26) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	0.000	0.00	0.00
	Idukki Wildlife Sanctuary (2406-02-110-26) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	9.600	55.81	24.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	9.600	22.33	9.60
4	Peechi, Vazhani (2406-02-110-25) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	0.000	0.00	0.00
	Peechi, Vazhani (2406-02-110-25) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	12.000	69.77	30.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	12.000	27.91	12.00
5	Peppara Wildlife Sanctuary (2406-02-110-24) (01)	-	48.000	48.000			-	48.000	48.000	0.000	0.000	0.000	0.000	20.640	20.640	0.000	0.00	0.00
	Peppara Wildlife Sanctuary (2406-02-110-24) (02)	32.000	-	32.000			32.000	-	32.000	0.000	0.000	0.000	16.960	0.000	16.960	9.600	56.60	30.00
	Subtotal	32.000	48.000	80.000			32.000	48.000	80.000	0.000	0.000	0.000	16.960	20.640	37.600	9.600	25.53	12.00
6	Shendurney Wildlife Sanctuary (2406-02-110-23) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	0.000	0.00	0.00
	Shendurney Wildlife Sanctuary (2406-02-110-23) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	12.000	69.77	30.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	12.000	27.91	12.00
7	Chimmony Wildlife Sanctuary (2406-02-110-22) (01)	-	52.500	52.500			-	52.500	52.500	0.000	0.000	0.000	0.000	22.575	22.575	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Chimmony Wildlife Sanctuary (2406-02-110-22) (02)	35.000	-	35.000			35.000	-	35.000	0.000	0.000	0.000	18.550	0.000	18.550	10.500	56.60	30.00
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	0.000	0.000	0.000	18.550	22.575	41.125	10.500	25.53	12.00
8	Aralam Wildlife Sanctuary (2406-02-110-21) (01)	-	52.500	52.500			-	52.500	52.500	0.000	0.000	0.000	0.000	22.575	22.575	0.000	0.00	0.00
	Aralam Wildlife Sanctuary (2406-02-110-21) (02)	35.000	-	35.000			35.000	-	35.000	0.000	0.000	0.000	18.550	0.000	18.550	10.500	56.60	30.00
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	0.000	0.000	0.000	18.550	22.575	41.125	10.500	25.53	12.00
9	Chinnar Wildlife Sanctuary (2406-02-110-20) (01)	-	39.000	39.000			-	39.000	39.000	0.000	0.000	0.000	0.000	20.670	20.670	0.000	0.00	0.00
	Chinnar Wildlife Sanctuary (2406-02-110-20) (02)	26.000	-	26.000			26.000	-	26.000	0.000	0.000	0.000	13.780	0.000	13.780	7.800	56.60	30.00
	Subtotal	26.000	39.000	65.000			26.000	39.000	65.000	0.000	0.000	0.000	13.780	20.670	34.450	7.900	22.64	12.00
10	Thattekkad Birds Sanctuary (2406-02-110-19) (01)	-	34.500	34.500			-	34.500	34.500	0.000	0.000	0.000	0.000	18.285	18.285	0.000	0.00	0.00
	Thattekkad Birds Sanctuary (2406-02-110-19) (02)	23.000	-	23.000			23.000	-	23.000	0.000	0.000	0.000	12.190	0.000	12.190	6.900	56.60	30.00
	Subtotal	23.000	34.500	57.500			23.000	34.500	57.500	0.000	0.000	0.000	12.190	18.285	30.475	6.900	22.64	12.00
11	Mangalavanam Birds Sanctuary (2406-02-110-18) (01)	-	12.000	12.000			-	12.000	12.000	0.000	0.000	0.000	0.000	6.360	6.360	0.000	0.00	0.00
	Mangalavanam Birds Sanctuary (2406-02-110-18) (02)	8.000	-	8.000			8.000	-	8.000	0.000	0.000	0.000	4.240	0.000	4.240	2.640	62.26	33.00
	Subtotal	8.000	12.000	20.000			8.000	12.000	20.000	0.000	0.000	0.000	4.240	6.360	10.600	2.640	24.91	13.20
12	Kurinjalama Sanctuary (2406-02-110-17) (01)	-	18.000	18.000			-	18.000	18.000	0.000	0.000	0.000	0.000	9.540	9.540	0.000	0.00	0.00
	Kurinjalama Sanctuary (2406-02-110-17) (02)	12.000	-	12.000			12.000	-	12.000	0.000	0.000	0.000	6.360	0.000	6.360	3.000	47.17	25.00
	Subtotal	12.000	18.000	30.000			12.000	18.000	30.000	0.000	0.000	0.000	6.360	9.540	15.900	3.000	18.87	10.00
13	Choolannur Peacock Sanctuary (2406-02-110-16) (01)	-	15.000	15.000			-	15.000	15.000	0.000	0.000	0.000	0.000	7.950	7.950	0.000	0.00	0.00
	Choolannur Peacock Sanctuary (2406-02-110-16) (02)	10.000	-	10.000			10.000	-	10.000	0.000	0.000	0.000	5.300	0.000	5.300	3.000	56.60	30.00
	Subtotal	10.000	15.000	25.000			10.000	15.000	25.000	0.000	0.000	0.000	5.300	7.950	13.250	3.000	22.64	12.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
14	Malabar Sanctuary (2406-02-110-15) (01)	-	25.500	25.500			-	25.500	25.500	0.000	0.000	0.000	0.000	13.515	13.515	0.000	0.00	0.00
	Malabar Sanctuary (2406-02-110-15) (02)	17.000	-	17.000			17.000	-	17.000	0.000	0.000	0.000	9.010	0.000	9.010	5.400	59.93	31.76
	Subtotal	17.000	25.500	42.500			17.000	25.500	42.500	0.000	0.000	0.000	9.010	13.515	22.525	5.400	23.97	12.71
15	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (01)	-	28.500	28.500			-	28.500	28.500	0.000	0.000	0.000	0.000	15.105	15.105	0.000	0.00	0.00
	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (02)	19.000	-	19.000			19.000	-	19.000	0.000	0.000	0.000	10.070	0.000	10.070	5.700	56.60	30.00
	Subtotal	19.000	28.500	47.500			19.000	28.500	47.500	0.000	0.000	0.000	10.070	15.105	25.175	5.700	22.64	12.00
16	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (01)	-	33.000	33.000			-	33.000	33.000	0.000	0.000	0.000	0.000	17.490	17.490	0.000	0.00	0.00
	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (02)	22.000	-	22.000			22.000	-	22.000	0.000	0.000	0.000	11.660	0.000	11.660	7.260	62.26	33.00
	Subtotal	22.000	33.000	55.000			22.000	33.000	55.000	0.000	0.000	0.000	11.660	17.490	29.150	7.260	24.91	13.20
	Subtotal of WL Sanctuaries	476.000	714.000	1190.000			476.000	714.000	1190.000	0.000	0.000	0.000	240.280	339.570	579.850	131.400	22.66	11.04
ii	Management of National Parks																	
1	Eravikulam National Park (2406-02-110-79) (01)	-	130.000	130.000			-	130.000	130.000	0.000	0.000	0.000	0.000	68.900	68.900	0.000	0.00	0.00
	Eravikulam National Park (2406-02-110-79) (02)	85.000	-	85.000			85.000	-	85.000	0.000	0.000	0.000	45.050	0.000	45.050	12.000	26.64	14.12
	Subtotal	85.000	130.000	215.000			85.000	130.000	215.000	0.000	0.000	0.000	45.050	68.900	113.950	12.000	10.53	5.58
2	Silent Valley National Park (2406-02-110-78) (01)	-	116.000	116.000			-	116.000	116.000	0.000	0.000	0.000	0.000	61.480	61.480	0.000	0.00	0.00
	Silent Valley National Park (2406-02-110-78) (02)	75.000	-	75.000			75.000	-	75.000	0.000	0.000	0.000	39.750	0.000	39.750	13.200	33.21	17.60
	Subtotal	75.000	116.000	191.000			75.000	116.000	191.000	0.000	0.000	0.000	39.750	61.480	101.230	13.200	13.04	6.91
3	Anamudi National Park (2406-02-110-77) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	0.000	0.00	0.00

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		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Anamudi National Park (2406-02-110-77) (02)	20.000	-	20.000			20.000	-	20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	6.000	23.58	12.50
4	Mathikettanmala National Park (2406-02-110-76) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	0.000	0.00	0.00
	Mathikettanmala National Park (2406-02-110-76) (02)	20.000	-	20.000			20.000	-	20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	6.000	23.58	12.50
5	Pampadumshola National Park (2406-02-110-75) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	0.000	0.00	0.00
	Pampadumshola National Park (2406-02-110-75) (02)	20.000	-	20.000			20.000	-	20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	6.000	23.58	12.50
	Subtotal of National Parks	220.000	330.000	550.000			220.000	330.000	550.000	0.000	0.000	0.000	116.600	174.900	291.500	43.200	14.82	7.85
iii	Management of Community Reserve																	
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (01) Kadalundi Reserve	-	18.000	18.000			-	18.000	18.000	0.000	0.000	0.000	0.000	9.540	9.540	0.000	0.00	0.00
	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (02) Kadalundi Reserve	12.000	-	12.000			12.000	-	12.000	0.000	0.000	0.000	6.360	0.000	6.360	3.000	47.17	25.00
	Subtotal	12.000	18.000	30.000			12.000	18.000	30.000	0.000	0.000	0.000	6.360	9.540	15.900	3.000	18.87	10.00
iv	Project Tiger (60:40 between Central and State)																	
1	Periyar Tiger Reserve (2406-02-110-74) (01)	-	570.000	570.000			-	570.000	570.000	0.000	0.000	0.000	0.000	245.100	245.100	86.580	35.32	15.19
	Periyar Tiger Reserve (2406-02-110-74) (02)	380.000	-	380.000			380.000	-	380.000	0.000	0.000	0.000	163.400	0.000	163.400	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Subtotal	380.000	570.000	950.000			380.000	570.000	950.000	0.000	0.000	0.000	163.400	245.100	408.500	86.580	21.19	9.11
2	Parabikulam Tiger Reserve (2406-02-110-73) (01)	-	435.000	435.000			-	435.000	435.000	0.000	0.000	0.000	0.000	230.550	230.550	50.000	21.69	11.49
	Parabikulam Tiger Reserve (2406-02-110-73) (02)	290.000	-	290.000			290.000	-	290.000	0.000	0.000	0.000	153.700	0.000	153.700	0.000	0.00	0.00
	Subtotal	290.000	435.000	725.000			290.000	435.000	725.000	0.000	0.000	0.000	153.700	230.550	384.250	50.000	13.01	6.90
	Subtotal of Project Tiger	670.000	1005.000	1675.000			670.000	1005.000	1675.000	0.000	0.000	0.000	317.100	475.650	792.750	136.580	17.23	8.15
v	Project Elephant (2406-02-110-35)(1)	-	780.000	780.000			-	780.000	780.000	0.000	0.000	0.000	0.000	413.400	413.400	145.149	0.00	18.61
	Project Elephant (2406-02-110-35)(2)	520.000	-	520.000			520.000	-	520.000	0.000	0.000	0.000	275.600	0.000	275.600	96.770	35.11	18.61
	Subtotal of Project Elephant	520.000	780.000	1300.000			520.000	780.000	1300.000	0.000	0.000	0.000	275.600	413.400	689.000	241.919	35.11	18.61
2	National Mission for Green India																	
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (1)	-	600.000	600.000			-	600.000	600.000	0.000	0.000	0.000	0.000	318.000	318.000	0.000	0.00	0.00
	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	172.000	0.000	172.000	0.000	0.00	0.00
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	172.000	318.000	490.000	0.000	0.00	0.00
3	FPMS CSS 60%																	
i	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (1) (FPMS)	-	360.000	360.000			-	360.000	360.000	0.000	0.000	0.000	0.000	190.800	190.800	0.000	0.00	0.00
	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (2) (FPMS)	240.000	-	240.000			240.000	-	240.000	0.000	0.000	0.000	127.200	0.000	127.200	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Subtotal	240.000	360.000	600.000			240.000	360.000	600.000	0.000	0.000	0.000	127.200	190.800	318.000	0.000	0.00	0.00
ii	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (01) **	-	0.000	0.000	121.450	Addl. Authrsn	-	121.450	121.450	-	151.810	151.810	-	121.450	121.450	121.450	100.00	100.00
	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (02) **	0.000	-	0.000	80.970	Addl. Authrsn	80.970	-	80.970	101.210	-	101.210	80.970	-	80.970	80.970	100.00	100.00
	Subtotal	0.000	0.000	0.000	202.420		80.970	121.450	202.420	101.210	151.810	253.020	80.970	121.450	202.420	202.420	100.00	100.00
4	Conservation of Natural Resources & Ecosystems																	
i	Nilgiri Biosphere Reserve (2406-02-110-34) (1)	-	270.000	270.000			-	270.000	270.000	0.000	0.000	0.000	0.000	143.100	143.100	0.000	0.00	0.00
	Nilgiri Biosphere Reserve (2406-02-110-34) (2)	180.000	-	180.000			180.000	-	180.000	0.000	0.000	0.000	95.400	0.000	95.400	0.000	0.00	0.00
	Subtotal	180.000	270.000	450.000			180.000	270.000	450.000	0.000	0.000	0.000	95.400	143.100	238.500	0.000	0.00	0.00
ii	Agasthyamala Biosphere Reserve (2406-02-110-33) (1)	-	180.000	180.000			-	180.000	180.000	0.000	0.000	0.000	0.000	95.400	95.400	53.540	0.00	29.74
	Agasthyamala Biosphere Reserve (2406-02-110-33) (2)	120.000	-	120.000			120.000	-	120.000	0.000	0.000	0.000	63.600	0.000	63.600	35.690	56.12	29.74
	Subtotal	120.000	180.000	300.000			120.000	180.000	300.000	0.000	0.000	0.000	63.600	95.400	159.000	89.230	56.12	29.74
iii	Wetland Conservation (2406-02-110-32) (1)	-	242.000	242.000			-	242.000	242.000	0.000	0.000	0.000	0.000	128.260	128.260	0.000	0.00	0.00
	Wetland Conservation (2406-02-110-32) (2)	161.000	-	161.000			161.000	-	161.000	0.000	0.000	0.000	85.330	0.000	85.330	0.000	0.00	0.00
	Subtotal	161.000	242.000	403.000			161.000	242.000	403.000	0.000	0.000	0.000	85.330	128.260	213.590	0.000	0.00	0.00
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (1)	-	600.000	600.000			-	600.000	600.000	0.000	0.000	0.000	0.000	258.000	258.000	0.000	0.00	0.00


Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	172.000	0.000	172.000	0.000	0.00	0.00
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	172.000	258.000	430.000	0.000	0.00	0.00
	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (1)	-	600.00	600.000			-	600.00	600.000	0.000	0.000	0.000	0.000	318.000	318.000	0.000	0.00	0.00
	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	212.000	0.000	212.000	0.000	0.00	0.00
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	212.000	318.000	530.000	0.000	0.00	0.00
	Subtotal of Nature Resources & Ecosystems	1261.000	1892.000	3153.000			1261.000	1892.000	3153.000	0.000	0.000	0.000	628.330	942.760	1571.090	89.230	5.68	2.83
	SUB TOTAL (B)	3799.000	5699.000	9498.000	202.420		3879.970	5820.450	9700.420	101.210	151.810	253.020	1964.440	2986.070	4950.510	847.749	17.12	8.74
C	SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE																	
	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (1)	-	300.000	300.000			-	300.000	300.000	0.000	0.000	0.000	0.000	159.000	159.000	0.000	0.00	0.00
	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (2)	100.000	-	100.000			100.000	-	100.000	0.000	0.000	0.000	53.000	0.000	53.000	0.000	0.00	0.00
	SUB TOTAL (C)	100.000	300.000	400.000			100.000	300.000	400.000	0.000	0.000	0.000	53.000	159.000	212.000	0.000	0.00	0.00
	GRAND TOTAL (A+B+C)	21832.000	5999.000	27831.000	202.420		21912.970	6120.450	28033.420	18034.210	151.810	18186.020	10844.310	3145.070	13989.380	8232.549	58.85	29.37

Sl. No.	Name of Scheme/Head of Account	Finanacial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
D	EXTERNALLY AIDED PROJECTS																	
i	KIFFBI	11001.160	0	11001.160			-	-	-	11001.160	0	11001.160	-	-	-	697.500		6.34
ii	RBK	13040.600	0	13040.600			-	-	-	13040.600	0	13040.160	1000.000	0.000	1000.000	1280.878	128.09	9.82
	SUB TOTAL (D)	24041.760	0.000	24041.760			-	-	-	24041.760	0.000	24041.320	1000.000	0.000	1000.000	1978.378	-	8.23

Note- 1. 33% release amount received on State Schemes and state share of Centrally Sponsored Schemes.

2. ** Release for the Finanacial year 20201-22 which has been revalidated for the year 2022-23.

3. Culmulative expenditure of all projects under KIFFB is Rs.2402.21


Principal Chief Conservator of Forests (P&D)

KERALA FOREST DEPARTMENT

PLAN PROGRESS REPORT (FINANCIAL) TILL THE END OF MARCH 2022 DURING 2021-22 (Rs in lakhs)

Sl. No.	Name of Scheme/Head of Account	Finanacial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A. STATE SECTOR SCHEMES																			
I	Management of Natural Forests																		
1	Forest Protection (2406-01-101-81)	2500.000	-	2500.000			2500.000	-	2500.000	2500.000	-	2500.000		2500.000	-	2500.000	2495.541	99.82	99.82
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2700.000	-	2700.000			2700.000	-	2700.000	2700.000	-	2700.000		2700.000	-	2700.000	2693.908	99.77	99.77
3	Regeneration of Denuded Forest (2406-01-101-94)	275.000	-	275.000			275.000	-	275.000	275.000	-	275.000		275.000	-	275.000	273.354	99.40	99.40
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	190.000	-	190.000			190.000	-	190.000	190.000	-	190.000		190.000	-	190.000	189.1	99.54	99.54
	Sub Total (I)	5665.000	0.000	5665.000			5665.000	0.000	5665.000	5665.000	0.000	5665.000		5665.000	0.000	5665.000	5651.919	99.77	99.77
II	Improving Productivity of Plantations																		
1	Hard Wood Species (4406-01-105-87) (01)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000		500.000	-	500.000	499.585	99.92	99.92
2	Industrial Raw Materials (4406-01-105-87) (02)	240.000	-	240.000			240.000	-	240.000	240.000	-	240.000		240.000	-	240.000	238.840	99.52	99.52
	Sub Total (II)	740.000	0.000	740.000			740.000	0.000	740.000	740.000	0.000	740.000		740.000	0.000	740.000	738.425	99.79	99.79
III	Infrastructure Development																		
1	Roads (4406-01-070-99)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000		400.000	-	400.000	363.778	90.94	90.94
2	Building (4406-01-070-97)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000		400.000	-	400.000	398.378	99.59	99.59
	Sub Total	800.000	0.000	800.000			800.000	0.000	800.000	800.000	0.000	800.000		800.000	0.000	800.000	762.156	95.27	95.27
IV	Eco-Tourism (4406-01-800-91)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000		500.000	-	500.000	499.805	99.96	99.96

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
V	Human Resource Development (2406-01-003-97)	350.000	-	350.000	300.000	Adml. Authrs	650.000	-	650.000	650.000	-	650.000		650.000	-	650.000	650.000	100.00	100.00
VI	Resource Planning & Research (2406-01-004-92)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000		150.000	-	150.000	149.992	99.99	99.99
VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000		150.000	-	150.000	149.606	99.74	99.74
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55 (01))	1000.000	-	1000.000			1000.000	-	1000.000	1000.000	-	1000.000		1000.000	-	1000.000	998.737	99.87	99.87
IX	Eco-Tourism - Project Green Grass (2406-01-800-52)	108.000	-	108.000			108.000	-	108.000	108.000	-	108.000		108.000	-	108.000	107.756	99.77	99.77
X	Works with assistance from RIDF (4406-01-800-90)	3000.000	-	3000.000			3000.000	-	3000.000	3000.000	-	3000.000		3000.000	-	3000.000	2968.681	98.96	98.96
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2200.000	-	2200.000			2200.000	-	2200.000	2200.000	-	2200.000		2200.000	-	2200.000	2199.88	99.99	99.99
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000		500.000	-	500.000	500.000	100.00	100.00
XIII	Elephant Rehabilitation Centre at Kappukkad near Kottoor (2406-02-110-29)	100.000	-	100.000			100.000	-	100.000	100.000	-	100.000		100.000	-	100.000	74.975	74.97	74.97
XIV	Conservation of Biodiversity (2406-02-110-68)	1000.000	-	1000.000			1000.000	-	1000.000	1000.000	-	1000.000		1000.000	-	1000.000	998.786	99.88	99.88
XV	Eco Development Programme (2406-02-110-56)	375.000	-	375.000			375.000	-	375.000	375.000	-	375.000		375.000	-	375.000	374.803	99.95	99.95
	SUB TOTAL (A)	16638.000	0.000	16638.000	300.000		16938.000	0.000	16938.000	16938.000	0.000	16938.000		16938.000	0.000	16938.000	16825.525	99.34	99.34
B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE																		
1	Integrated Development of Wildlife Habitats																		
i	Management of Wildlife Sancturaries																		
1	Neyyar Wildlife Sanctuary (2406-02-110-28) (01)	-	55.500	55.500			-	55.500	55.500	-	46.320	46.320	11.580	-	11.580	11.580	11.580	100.00	20.86
	Neyyar Wildlife Sanctuary (2406-02-110-28) (02)	37.000	-	37.000			37.000	-	37.000	30.880	-	30.880	-	29.970	-	29.970	29.970	100.00	81.00

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
	Subtotal	37.000	55.500	92.500			37.000	55.500	92.500	30.880	46.320	77.200	11.580	29.970	11.580	41.550	41.550	100.00	44.92
2	Wayanad Wildlife Sanctuary (2406-02-110-27) (01)	-	117.000	117.000	-10.880		-	106.120	106.120	-	60.960	60.960	15.240	-	15.240	15.240	15.239	99.99	14.36
	Wayanad Wildlife Sanctuary (2406-02-110-27) (02)	78.000	-	78.000	-7.250		70.750	-	70.750	40.640	-	40.640	-	40.635	-	40.635	40.623	99.97	57.42
	Subtotal	78.000	117.000	195.000	-18.130		70.750	106.120	176.870	40.640	60.960	101.600	15.240	40.635	15.240	55.875	55.862	99.98	31.58
3	Idukki Wildlife Sanctuary (2406-02-110-26) (01)	-	60.000	60.000			-	60.000	60.000	-	35.220	35.220	8.805	-	8.810	8.810	8.810	100.00	14.68
	Idukki Wildlife Sanctuary (2406-02-110-26) (02)	40.000	-	40.000			40.000	-	40.000	23.480	-	23.480	-	23.480	-	23.480	23.480	100.00	58.70
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	23.480	35.220	58.700	8.805	23.480	8.810	32.290	32.290	100.00	32.29
4	Peechi, Vazhani (2406-02-110-25) (01)	-	60.000	60.000			-	60.000	60.000	-	46.404	46.404	11.601	-	11.600	11.600	11.600	100.00	19.33
	Peechi, Vazhani (2406-02-110-25) (02)	40.000	-	40.000			40.000	-	40.000	30.936	-	30.936	-	30.930	-	30.930	30.930	100.00	77.32
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	30.936	46.404	77.340	11.601	30.930	11.600	42.530	42.529	100.00	42.53
5	Peppara Wildlife Sanctuary (2406-02-110-24) (01)	-	48.000	48.000			-	48.000	48.000	-	37.770	37.770	9.442	-	9.440	9.440	9.438	99.98	19.66
	Peppara Wildlife Sanctuary (2406-02-110-24) (02)	32.000	-	32.000			32.000	-	32.000	25.180	-	25.180	-	25.180	-	25.180	25.180	100.00	78.69
	Subtotal	32.000	48.000	80.000			32.000	48.000	80.000	25.180	37.770	62.950	9.442	25.180	9.440	34.620	34.618	99.99	43.27
6	Shendurney Wildlife Sanctuary (2406-02-110-23) (01)	-	60.000	60.000			-	60.000	60.000	-	53.640	53.640	13.410	-	13.410	13.410	13.410	100.00	22.35
	Shendurney Wildlife Sanctuary (2406-02-110-23) (02)	40.000	-	40.000			40.000	-	40.000	35.760	-	35.760	-	32.400	-	32.400	32.398	99.99	81.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	35.760	53.640	89.400	13.410	32.400	13.410	45.810	45.808	100.00	45.81
7	Chimmony Wildlife Sanctuary (2406-02-110-22) (01)	-	52.500	52.500			-	52.500	52.500	-	44.337	44.337	11.084	-	11.080	11.080	11.080	100.00	21.10
	Chimmony Wildlife Sanctuary (2406-02-110-22) (02)	35.000	-	35.000			35.000	-	35.000	29.558	-	29.558	-	28.350	-	28.350	28.349	100.00	81.00
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	29.558	44.337	73.895	11.084	28.350	11.080	39.430	39.429	100.00	45.06
8	Aralam Wildlife Sanctuary (2406-02-110-21) (01)	-	52.500	52.500			-	52.500	52.500	-	44.982	44.982	11.246	-	11.250	11.250	11.250	100.00	21.43
	Aralam Wildlife Sanctuary (2406-02-110-21) (02)	35.000	-	35.000			35.000	-	35.000	29.988	-	29.988	-	28.350	-	28.350	28.350	100.00	81.00

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	29.988	44.982	74.970	11.246	28.350	11.250	39.600	39.600	100.00	45.26
9	Chinnar Wildlife Sanctuary (2406-02-110-20) (01)	-	39.000	39.000			-	39.000	39.000	-	30.810	30.810	7.702	-	7.700	7.700	7.696	99.95	19.73
	Chinnar Wildlife Sanctuary (2406-02-110-20) (02)	26.000	-	26.000			26.000	-	26.000	20.540	-	20.540	-	20.540	-	20.540	20.535	99.97	78.98
	Subtotal	26.000	39.000	65.000			26.000	39.000	65.000	20.540	30.810	51.350	7.702	20.540	7.700	28.240	28.231	99.97	43.43
10	Thattekkad Birds Sanctuary (2406-02-110-19) (01)	-	34.500	34.500			-	34.500	34.500	-	28.770	28.770	7.192	-	7.190	7.190	7.189	99.99	20.84
	Thattekkad Birds Sanctuary (2406-02-110-19) (02)	23.000	-	23.000			23.000	-	23.000	19.180	-	19.180	-	18.630	-	18.630	18.630	100.00	81.00
	Subtotal	23.000	34.500	57.500			23.000	34.500	57.500	19.180	28.770	47.950	7.192	18.630	7.190	25.820	25.819	100.00	44.90
11	Mangalavanam Birds Sanctuary (2406-02-110-18) (01)	-	7.500	7.500			-	7.500	7.500	-	10.620	10.620	1.855	-	2.660	2.660	2.660	100.00	35.47
	Mangalavanam Birds Sanctuary (2406-02-110-18) (02)	5.000	-	5.000			5.000	-	5.000	7.080	-	7.080	-	4.050	-	4.050	4.050	100.00	81.00
	Subtotal	5.000	7.500	12.500			5.000	7.500	12.500	7.080	10.620	17.700	1.855	4.050	2.660	6.710	6.710	100.00	53.68
12	Kurinjimala Sanctuary (2406-02-110-17) (01)	-	13.500	13.500			-	13.500	13.500	-	12.600	12.600	3.150	-	3.150	3.150	3.150	100.00	23.33
	Kurinjimala Sanctuary (2406-02-110-17) (02)	9.000	-	9.000			9.000	-	9.000	8.400	-	8.400	-	7.290	-	7.290	7.288	99.97	80.98
	Subtotal	9.000	13.500	22.500			9.000	13.500	22.500	8.400	12.600	21.000	3.150	7.290	3.150	10.440	10.438	99.98	46.39
13	Choolannur Peacock Sanctuary (2406-02-110-16) (01)	-	10.500	10.500			-	10.500	10.500	-	10.826	10.826	2.706	-	2.710	2.710	2.707	99.90	25.78
	Choolannur Peacock Sanctuary (2406-02-110-16) (02)	7.000	-	7.000			7.000	-	7.000	7.217	-	7.217	-	3.500	-	3.500	3.495	99.87	49.93
	Subtotal	7.000	10.500	17.500			7.000	10.500	17.500	7.217	10.826	18.043	2.706	3.500	2.710	6.210	6.203	99.88	35.44
14	Malabar Sanctuary (2406-02-110-15) (01)	-	25.500	25.500			-	25.500	25.500	-	18.804	18.804	4.701	-	4.700	4.700	4.700	100.00	18.43
	Malabar Sanctuary (2406-02-110-15) (02)	17.000	-	17.000			17.000	-	17.000	12.536	-	12.536	-	12.530	-	12.530	12.530	100.00	73.71
	Subtotal	17.000	25.500	42.500			17.000	25.500	42.500	12.536	18.804	31.340	4.701	12.530	4.700	17.230	17.230	100.00	40.54
15	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (01)	-	28.500	28.500			-	28.500	28.500	-	21.750	21.750	5.437	-	5.440	5.440	5.440	100.00	19.09

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (02)	19.000	-	19.000			19.000	-	19.000	14.500	-	14.500	-	14.500	-	14.500	14.500	100.00	76.32
	Subtotal	19.000	28.500	47.500			19.000	28.500	47.500	14.500	21.750	36.250	5.437	14.500	5.440	19.940	19.940	100.00	41.98
16	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (01)	-	40.500	40.500			-	40.500	40.500	-	29.250	29.250	7.312	-	7.310	7.310	7.308	99.97	18.04
	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (02)	27.000	-	27.000			27.000	-	27.000	19.500	-	19.500	-	19.500	-	19.500	19.500	100.00	72.22
	Subtotal	27.000	40.500	67.500			27.000	40.500	67.500	19.500	29.250	48.750	7.312	19.500	7.310	26.810	26.808	99.99	39.71
	Subtotal of WL Sanctuaries	470.000	705.000	1175.000	-18.130		462.750	694.120	1156.870	355.375	533.063	888.438	132.463	339.835	133.270	473.105	473.065	99.99	40.89
ii	Management of National Parks																		
1	Eravikulam National Park (2406-02-110-79) (01)	-	120.000	120.000	-25.250		-	94.750	94.750	-	44.568	44.568	11.142	-	11.140	11.140	11.136	99.97	11.75
	Eravikulam National Park (2406-02-110-79) (02)	80.000	-	80.000	-10.900		69.100	-	69.100	29.712	-	29.712	-	29.710	-	29.710	29.710	100.00	43.00
	Subtotal	80.000	120.000	200.000	-36.150		69.100	94.750	163.850	29.712	44.568	74.280	11.142	29.710	11.140	40.850	40.846	99.99	24.93
2	Silent Valley National Park (2406-02-110-78) (01)	-	120.000	120.000			-	120.000	120.000	-	55.110	55.110	13.777	-	13.780	13.780	13.780	100.00	11.48
	Silent Valley National Park (2406-02-110-78) (02)	80.000	-	80.000			80.000	-	80.000	36.740	-	36.740	-	36.740	-	36.740	36.740	100.00	45.93
	Subtotal	80.000	120.000	200.000			80.000	120.000	200.000	36.740	55.110	91.850	13.777	36.740	13.780	50.520	50.520	100.00	25.26
3	Anamudi National Park (2406-02-110-77) (01)	-	30.000	30.000			-	30.000	30.000	-	24.702	24.702	6.175	-	6.180	6.180	6.180	100.00	20.60
	Anamudi National Park (2406-02-110-77) (02)	20.000	-	20.000			20.000	-	20.000	16.468	-	16.468	-	16.200	-	16.200	16.200	100.00	81.00
	Subtotal	20.000	30.000	50.000			20.000	30.000	50.000	16.468	24.702	41.170	6.175	16.200	6.180	22.380	22.380	100.00	44.76
4	Mathikettanmala National Park (2406-02-110-76) (01)	-	30.000	30.000			-	30.000	30.000	-	20.550	20.550	5.137	-	5.140	5.140	5.137	99.95	17.12
	Mathikettanmala National Park (2406-02-110-76) (02)	20.000	-	20.000			20.000	-	20.000	13.700	-	13.700	-	13.700	-	13.700	13.693	99.95	68.47
	Subtotal	20.000	30.000	50.000			20.000	30.000	50.000	13.700	20.550	34.250	5.137	13.700	5.140	18.840	18.830	99.95	37.66

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	Pampadumshola National Park (2406-02-110-75) (01)	-	30.000	30.000			-	30.000	30.000	-	23.190	23.190	5.797	-	5.800	5.800	5.796	99.94	19.32
	Pampadumshola National Park (2406-02-110-75) (02)	20.000		20.000			20.000		20.000	15.460	-	15.460	-	15.460	-	15.460	15.46	100.00	77.30
	Subtotal	20.000	30.000	50.000			20.000	30.000	50.000	15.460	23.190	38.650	5.797	15.460	5.800	21.260	21.256	99.98	42.51
	Subtotal of National Parks	220.000	330.000	550.000	-36.150		209.100	304.750	513.850	112.080	168.120	280.200	42.028	111.810	42.040	153.850	153.833	99.99	29.94
iii	Management of Community Reserve																		
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (01) Kadalundi Reserve	-	15.000	15.000			-	15.000	15.000	0.000	12.450	12.450	3.112	0.000	3.110	3.110	3.108	99.94	20.72
	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (02) Kadalundi Reserve	10.000	-	10.000			10.000	-	10.000	8.300	-	8.300	-	8.100	-	8.100	8.100	100.00	81.00
	Subtotal	10.000	15.000	25.000	0.000		10.000	15.000	25.000	8.300	12.450	20.750	3.112	8.100	3.110	11.210	11.208	99.98	44.83
iv	Project Tiger (60:40 between Central and State)																		
1	Periyar Tiger Reserve (2406-02-110-74) (01)	-	532.500	532.500			-	532.500	532.500	0.000	402.310	402.310	402.310	0.000	402.310	402.310	402.198	99.97	75.53
	Periyar Tiger Reserve (2406-02-110-74) (02)	355.000	-	355.000			355.000	-	355.000	340.380	0.000	340.380	-	312.400	0.000	312.400	312.361	99.99	87.99
	Subtotal	355.000	532.500	887.500			355.000	532.500	887.500	340.380	402.310	742.690	402.310	312.400	402.310	714.710	714.559	99.98	80.51
2	Parambikulam Tiger Reserve (2406-02-110-73) (01)	-	435.000	435.000			-	435.000	435.000	0.000	329.900	329.900	329.895	0.000	329.895	329.895	318.920	96.67	73.32
	Parambikulam Tiger Reserve (2406-02-110-73) (02)	290.000	-	290.000			290.000	-	290.000	301.700	0.000	301.700	-	246.500	0.000	246.500	246.181	99.87	84.89
	Subtotal	290.000	435.000	725.000			290.000	435.000	725.000	301.700	329.900	631.600	329.895	246.500	329.895	576.395	565.101	98.04	77.95
	Subtotal of Project Tiger	645.000	967.500	1612.500	0.000		645.000	967.500	1612.500	642.080	732.210	1374.290	732.205	558.900	732.205	1291.105	1279.661	99.11	79.36

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
v	Project Elephant *** (2406-02-110-35)(1)	-	780.000	780.000			-	780.000	780.000	0.000	624.930	624.930	580.960	0.000	580.960	580.960	580.768	99.97	74.46
	Project Elephant *** (2406-02-110-35)(2)	520.000	-	520.000			520.000	-	520.000	416.620	0.000	416.620		436.620	0.000	436.620	435.563	99.76	83.76
	Subtotal of Project Elephant	520.000	780.000	1300.000	0.000		520.000	780.000	1300.000	416.620	624.930	1041.550	580.960	436.620	580.960	1017.580	1016.331	99.88	78.18
vi	Recovery Programme for Nilgiri Tahr *																		
1	Recovery Programme for Nilgiri Tahr (2406-02-110-12(01) #	-	0.000	0.000	17.090	Re-appropriation	-	17.090	17.090	-	50.536	50.536	8.178	-	17.090	17.090	17.083	99.96	99.96
	Recovery Programme for Nilgiri Tahr (2406-02-110-12(02)	0.000	-	0.000	5.460		5.460	-	5.460	33.690	-	33.690	-	-	5.460	-	5.460	5.454	99.90
	Subtotal	0.000	0.000	0.000	22.550		5.460	17.090	22.550	33.690	50.536	84.226	8.178	5.460	17.090	22.550	22.538	99.94	99.94
2	Recovery Programme for Nilgiri Tahr - SCP Component (2406-02-789-98(01)	-	0.000	0.000	4.080	Re-appropriation.	-	4.080	4.080	-	25.207	25.207	4.080	-	4.080	4.080	4.080	100.00	100.00
	Recovery Programme for Nilgiri Tahr - SCP Component (2406-02-789-98(02)	0.000	-	0.000	2.720		2.720	-	2.720	16.805	-	16.805	-	-	2.720	-	2.720	2.720	100.00
	Subtotal	0.000	0.000	0.000	6.800		2.720	4.080	6.800	16.805	25.207	42.012	4.080	2.720	4.080	6.800	6.800	100.00	100.00
3	Recovery Programme for Nilgiri Tahr - TSP Component (2406-02-796-98(01)	-	0.000	0.000	4.080	Re-appropriation.	-	4.080	4.080	-	25.207	25.207	4.080	-	4.080	4.080	4.080	100.00	100.00
	Recovery Programme for Nilgiri Tahr - TSP Component (2406-02-796-98(02)	0.000	-	0.000	2.720		2.720	-	2.720	16.805	-	16.805	-	-	2.720	-	2.720	2.720	100.00
	Subtotal	0.000	0.000	0.000	6.800		2.720	4.080	6.800	16.805	25.207	42.012	4.080	2.720	4.080	6.800	6.800	100.00	100.00
	Subtotal of Recovery Programme for Nilgiri Tahr	0.000	0.000	0.000	36.150		10.900	25.250	36.150	67.300	100.950	168.250	16.338	10.900	25.250	36.150	36.138	99.97	99.97
vii	Recovery Programme for saving critically Endangered Species. *																		
1	Recovery Programme for saving critically Endangered Species - General (2406-02-110-11(01)	-	0.000	0.000	4.360	Re-appropriation.	-	4.360	4.360	-	17.418	17.418	4.355	-	4.360	4.360	4.360	100.00	100.00

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Recovery Programme for saving critically Endangered Species - General (2406-02-110-11(02))	0.000	-	0.000	2.910	Re-appro	2.910	-	2.910	11.612	-	11.612	-	2.910	-	2.910	2.909	99.96	99.96
	Subtotal	0.000	0.000	0.000	7.270		2.910	4.360	7.270	11.612	17.418	29.030	4.355	2.910	4.360	7.270	7.269	99.98	99.98
2	Recovery Programme for saving critically Endangered Species - SCP (2406-02-789-97(01))	-	0.000	0.000	3.260	Re-appropriation.	-	3.260	3.260	-	13.041	13.041	3.260	-	3.260	3.260	3.26	100.00	100.00
	Recovery Programme for saving critically Endangered Species - SCP (2406-02-789-97(02))	0.00	-	0.000	2.170		2.170	-	2.170	8.694	-	8.694	-	-	2.170	-	2.170	2.16	99.73
	Subtotal	0.000	0.000	0.000	5.430		2.170	3.260	5.430	8.694	13.041	21.735	3.260	2.170	3.260	5.430	5.424	99.89	99.89
3	Recovery Programme for saving critically Endangered Species - TSP (2406-02-796-97(01))	-	0.000	0.000	3.260	Re-appropriation.	-	3.260	3.260	-	13.041	13.041	3.260	-	3.260	3.260	3.260	99.99	99.99
	Recovery Programme for saving critically Endangered Species - TSP (2406-02-796-97(02))	0.000	-	0.000	2.170		2.170	-	2.170	8.694	-	8.694	-	-	2.170	-	2.170	2.169	99.96
	Subtotal	0.000	0.000	0.000	5.430		2.170	3.260	5.430	8.694	13.041	21.735	3.260	2.170	3.260	5.430	5.429	99.98	99.98
	Subtotal of Recovery Programme for saving critically Endangered Species.	0.000	0.000	0.000	18.130		7.250	10.880	18.130	29.000	43.500	72.500	10.875	7.250	10.880	18.130	18.122	99.95	99.95
vi	National Mission for Green India																		
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (1)	-	493.500	493.500			-	493.500	493.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (2)	329.000	-	329.000			329.000	-	329.000	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00
	Subtotal	329.000	493.500	822.500			329.000	493.500	822.500	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00
vii	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (1) (FPMS)**	-	240.000	240.000	1.430	Addl. Authrsu	-	241.430	241.430	0.000	301.790	301.790	241.430	0.000	241.430	241.430	240.915	99.79	99.79

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (2) (FPMS)**	160.000	-	160.000	0.950	Addl. Antirsu	160.950	-	160.950	201.190	0.000	201.190	-	160.950	0.000	160.950	160.730	99.86	99.86
	Subtotal	160.000	240.000	400.000	2.380		160.950	241.430	402.380	201.190	301.790	502.980	241.430	160.950	241.430	402.380	401.645	99.82	99.82
3	Conservation of Natural Resources & Ecosystems																		
i	Nilgiri Biosphere Reserve (2406-02-110-34) (1)	-	150.000	150.000			-	150.000	150.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	Nilgiri Biosphere Reserve (2406-02-110-34) (2)	100.000	-	100.000			100.000	-	100.000	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00
	Subtotal	100.000	150.00	250.000			100.000	150.00	250.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
ii	Agasthyamala Biosphere Reserve (2406-02-110-33) (1)	-	180.000	180.000			-	180.000	180.000	0.000	223.110	223.110	122.690	0.000	122.690	122.690	122.563	99.90	68.09
	Agasthyamala Biosphere Reserve (2406-02-110-33) (2)	120.000	-	120.000			120.000	-	120.000	148.740	0.000	148.740	-	97.200	0.000	97.200	97.046	99.84	80.87
	Subtotal	120.000	180.000	300.000	0.000		120.000	180.000	300.000	148.740	223.110	371.850	122.690	97.200	122.690	219.890	219.610	99.87	73.20
iii	Wetland Conservation (2406-02-110-32) (1)	-	255.000	255.000			-	255.000	255.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	Wetland Conservation (2406-02-110-32) (2)	170.000	-	170.000			170.000	-	170.000	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00
	Subtotal	170.000	255.00	425.000			170.000	255.00	425.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (1)	-	450.000	450.000			-	450.000	450.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (2)	300.000	-	300.000			300.000	-	300.000	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Subtotal of Nature Resources & Ecosystems	690.000	1035.000	1725.000	0.000		690.000	1035.000	1725.000	148.740	223.110	371.850	122.690	97.200	122.690	219.890	219.610	99.87	12.73
	SUB TOTAL (B)	3044.000	4566.000	7610.000	2.380		3044.950	4567.430	7612.380	1980.685	2740.123	4720.808	1882.101	1731.565	1891.835	3623.400	3609.611	99.62	47.42
C	SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE																		
1	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (1)	-	504.000	504.000			-	504.000	504.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (2)	168.000	-	168.000			168.000	-	168.000	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.00	0.00
	SUB TOTAL (C)	168.000	504.000	672.000	0.000		168.000	504.000	672.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	GRAND TOTAL (A+B+C)	19850.000	5070.000	24920.000	302.380		20150.950	5071.430	25222.380	18918.685	2740.123	21658.808	1882.101	18669.565	1891.835	20561.400	20435.136	99.39	81.02
D	EXTERNALLY AIDED PROJECTS																		
i	KIFFBI	11001.160	0	11001.160	0.000		-	-	-	11001.160	0	11001.160	-	-	-	-	373.980	-	3.40
ii	RBK	13040.600	0	13040.600	0.000		-	-	-	13040.600	0	13040.160	-	2313.340	0.000	2313.340	1021.830	44.17	7.84
	SUB TOTAL (D)	24041.760	0.000	24041.760	0.000		-	-	-	24041.760	0.000	24041.320	-	2313.340	0.000	2313.340	1395.810	-	5.81

Note: 1. Under the Centrally Sponsored Schemes, Budget Heads revised as per G.O.(Rt)No.4516/2021/Fin Dated. 16.06.2021.

2. 25% of Central share released as 1st instalment under the IDWH - Wildlife Sanctuaries and National Parks.

3. * Under these CSS, reappropriated funds as per G.O.(Rt)No.5694/2021/Fin Dated, 31.08.2021. (Reappropriated funds from the Budget allocation of Wayanad Wildlife Sanctuary and Eravikkulam National Park)

4. ** Under the Scheme FPMS (CSS 60%) An amount of Rs.95 lakhs (Central share) and Rs.36 lakhs (State share) released through BAMS as 1st Instalment. In addition to, an amount of Rs.146.43 lakhs (Central share) and 124.95 lakhs (State share) transferred from BAMS to the Single Nodal Agency Bank Account.

5. *** Under the CSS Project Elephant, 2nd release of Central share Rs.238.50 lakhs and additional release amount of Rs.50 lakhs (SC Sub Plan) also transferred from BAMS to Single Nodal Agency Bank Account.

An additional amount Rs.30 lakhs (Central share) and Rs.20 lakhs (State share) distributed in the component of Project Elephant SC Sub Plan.

6. # In this Scheme, Upsent previous balance also distributed

7. Cumulative expenditure of all projects under KIIFB is Rs.1704.71 Lakhs.

Sl. No.	Name of Scheme/Head of Account	Financial																		
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2022			G.O.I. Release	Release during the year			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

Principal Chief Conservator of Forests (P&D)

KERALA FOREST DEPARTMENT

PLAN PROGRESS REPORT (FINANCIAL) TILL THE END OF MARCH 2021 DURING 2020-21 (Rs in lakhs)																			
Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A. STATE SECTOR SCHEMES																			
I	Management of Natural Forests																		
1	Forest Protection (2406-01-101-81)	2500.000	-	2500.000			2500.000	-	2500.000	2500.000	-	2500.000		2500.000	-	2500.000	2495.989	99.84	99.84
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99 (01))	2500.000	-	2500.000	700.000	SDG	3200.000	-	3200.000	3200.000	-	3200.000		3200.000	-	3200.000	3198.818	99.96	99.96
3	Regeneration of Denuded Forest (2406-01-101-94)	275.000	-	275.000			275.000	-	275.000	275.000	-	275.000		275.000	-	275.000	274.614	99.86	99.86
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	190.000	-	190.000			190.000	-	190.000	190.000	-	190.000		190.000	-	190.000	188.593	99.26	99.26
	Sub Total (I)	5465.000	0.000	5465.000	700.000		6165.000	0.000	6165.000	6165.000	0.000	6165.000		6165.000	0.000	6165.000	6158.015	99.89	99.89
II	Improving Productivity of Plantations																		
1	Hard Wood Species (4406-01-105-87) (01)	500.000	-	500.000	150.000	SDG	650.000	-	650.000	650.000	-	650.000		650.000	-	650.000	649.150	99.87	99.87
2	Industrial Raw Materials (4406-01-105-87) (02)	240.000	-	240.000			240.000	-	240.000	240.000	-	240.000		240.000	-	240.000	239.308	99.71	99.71
	Sub Total (II)	740.000	0.000	740.000	150.000		890.000	0.000	890.000	890.000	0.000	890.000		890.000	0.000	890.000	888.458	99.83	99.83
III	Infrastructure Development																		
1	Roads (4406-01-070-99)	400.000	-	400.000	200.000	SDG	600.000	-	600.000	600.000	-	600.000		600.000	-	600.000	599.714	99.95	99.95
2	Building (4406-01-070-97)	400.000	-	400.000	200.000	SDG	600.000	-	600.000	600.000	-	600.000		600.000	-	600.000	598.495	99.75	99.75
	Sub Total	800.000	0.000	800.000	400.000		1200.000	0.000	1200.000	1200.000	0.000	1200.000		1200.000	0.000	1200.000	1198.210	99.85	99.85

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total
IV	Eco-Tourism (4406-01-800-91) *	500.000	-	500.000	300.000	Addl. Authn/SDG	800.000	-	800.000	800.000	-	800.000		800.000	-	800.000	799.935	99.99	99.99
V	Human Resource Development (2406-01-003-97)	350.000	-	350.000			350.000	-	350.000	350.000	-	350.000		350.000	-	350.000	321.546	91.87	91.87
VI	Resource Planning & Research (2406-01-004-92)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000		150.000	-	150.000	146.793	97.86	97.86
VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000	95.000	Addl. Authn	245.000	-	245.000	245.000	-	245.000		245.000	-	245.000	242.361	98.92	98.92
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1000.000	-	1000.000	600.000	Addl. Authn	1600.000	-	1600.000	1600.000	-	1600.000		1600.000	-	1600.000	1597.951	99.87	99.87
IX	Eco-Tourism - Project Green Grass (2406-01-800-52)	8.000	-	8.000			8.000	-	8.000	8.000	-	8.000		8.000	-	8.000	7.990	99.87	99.87
IX	Works with assistance from RIDF (4406-01-800-90)	1875.000	-	1875.000	734.000	SDG	2609.000	-	2609.000	2609.000	-	2609.000		2609.000	-	2609.000	2522.715	96.69	96.69
X	Measures to reduce Man Animal conflict (2406-01-800-56)	2400.000	-	2400.000			2400.000	-	2400.000	2400.000	-	2400.000		2400.000	-	2400.000	2397.756	99.91	99.91
XI	Zoological Park at Puthur, Thrissur (2406-02-110-48)	700.000	-	700.000	700.000	Addl. Authn	1400.000	-	1400.000	1400.000	-	1400.000		1400.000	-	1400.000	1400.000	100.00	100.00
XII	Conservation of Biodiversity (2406-02-110-68)	1000.000	-	1000.000			1000.000	-	1000.000	1000.000	-	1000.000		1000.000	-	1000.000	999.341	99.93	99.93
XIII	Eco Development Programme (2406-02-110-56)	375.000	-	375.000			375.000	-	375.000	375.000	-	375.000		375.000	-	375.000	374.964	99.99	99.99
	SUB TOTAL (A)	15513.000	0.000	15513.000	3679.000		19192.000	0.000	19192.000	19192.000	0.000	19192.000		19192.000	0.000	#####	19056.035	99.29	99.29
B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE																		
1	Integrated Development of Wildlife Habitats																		
i	Management of Wildlife Sancturaries																		
1	Neyyar Wildlife Sanctuary (2406-02-110-39) (01)	35.000	52.500	87.500			35.000	52.500	87.500	31.840	47.760	79.600	47.760	31.840	47.760	79.600	79.600	100.00	90.97

Sl. No.	Name of Scheme/Head of Account	Finanacial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total
2	Wayanad Wildlife Sanctuary (2406-02-110-39) (02)	76.000	114.000	190.000			76.000	114.000	190.000	35.672	53.508	89.180	53.508	35.672	53.508	89.180	137.260		72.24
	24.040									36.060	60.100	0.000	19.232	28.848	48.080				
	Subtotal	76.000	114.000	190.000			76.000	114.000	190.000	59.712	89.568	149.280	53.508	54.904	82.356	137.260	137.260	100.00	72.24
3	Idukki Wildlife Sanctuary (2406-02-110-39) (03)	38.000	57.000	95.000			38.000	57.000	95.000	25.812	38.718	64.530	38.718	25.814	38.721	64.535	64.535	100.00	67.93
4	Peechi, Vazhani (2406-02-110-39) (04)	40.000	60.000	100.000			40.000	60.000	100.000	24.119	36.179	60.298	36.179	24.120	36.179	60.299	60.299	100.00	60.30
5	Peppara Wildlife Sanctuary (2406-02-110-39) (05)	32.000	48.000	80.000			32.000	48.000	80.000	29.004	43.506	72.510	43.506	29.006	43.509	72.515	72.508	99.99	90.63
6	Shendurney Wildlife Sanctuary (2406-02-110-39) (06)	40.000	60.000	100.000			40.000	60.000	100.000	32.576	48.863	81.439	48.863	32.576	48.864	81.440	81.436	100.00	81.44
7	Chimmony Wildlife Sanctuary (2406-02-110-39) (07)	34.000	51.000	85.000			34.000	51.000	85.000	29.440	44.160	73.600	44.160	29.440	44.160	73.600	73.600	100.00	86.59
8	Aralam Wildlife Sanctuary (2406-02-110-39) (08)	34.400	51.600	86.000			34.400	51.600	86.000	28.084	42.126	70.210	42.126	28.084	42.126	70.210	70.210	100.00	81.64
9	Chinnar Wildlife Sanctuary (2406-02-110-39) (09)	25.600	38.400	64.000			25.600	38.400	64.000	20.740	31.110	51.850	31.110	20.740	31.110	51.850	51.850	100.00	81.02
10	Thattekkad Birds Sanctuary (2406-02-110-39) (10)	22.000	33.000	55.000			22.000	33.000	55.000	20.336	30.504	50.840	30.504	20.336	30.504	50.840	50.840	100.00	92.44
11	Mangalavanam Birds Sanctuary (2406-02-110-39) (11)	4.000	6.000	10.000	7.720	Re-appn.	7.088	10.632	17.720	8.600	12.900	21.500	12.900	7.088	10.632	17.720	12.022	67.84	67.84
12	Kurinjalma Sanctuary (2406-02-110-39) (12)	8.000	12.000	20.000			8.000	12.000	20.000	8.856	13.284	22.140	13.284	8.000	12.000	20.000	19.973	99.86	99.86
13	Choolannur Peacock Sanctuary (2406-02-110-39) (13)	6.000	9.000	15.000			6.000	9.000	15.000	6.952	10.428	17.380	10.428	6.000	9.000	15.000	15.000	100.00	100.00
14	Malabar Sanctuary (2406-02-110-39) (14)	16.000	24.000	40.000			16.000	24.000	40.000	14.616	21.924	36.540	21.924	14.616	21.924	36.540	36.361	99.51	90.90
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39) (15)	18.000	27.000	45.000			18.000	27.000	45.000	16.252	24.378	40.630	24.378	16.252	24.378	40.630	40.630	100.00	90.29
	Subtotal of WL Sanctuaries	429.000	643.500	1072.500	7.720		432.088	648.132	1080.220	356.939	535.408	892.347	499.348	348.816	523.223	872.039	866.124	99.32	80.18
ii	Management of National Parks																		

Sl. No.	Name of Scheme/Head of Account	Finanacial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total
1	Eravikulam National Park (2406-02-110-38) (01)	52.000	78.000	130.000			52.000	78.000	130.000	29.692	44.538	74.230	44.538	29.692	44.538	74.230	130.000	100.00	
	101.536									152.304	253.840	0.000	22.308	33.462	55.770				
	Subtotal	52.000	78.000	130.000			52.000	78.000	130.000	131.228	196.842	328.070	44.538	52.000	78.000	130.000	130.000	100.00	100.00
2	Silent Valley National Park (2406-02-110-38) (02)	68.000	102.000	170.000			68.000	102.000	170.000	47.748	71.622	119.370	71.622	47.748	71.622	119.370	148.070	87.10	
	22.960									34.440	57.400	0.000	11.480	17.220	28.700				
	Subtotal	68.000	102.000	170.000			68.000	102.000	170.000	70.708	106.062	176.770	71.622	59.228	88.842	148.070	148.070	100.00	87.10
3	Anamudi National Park (2406-02-110-38) (03)	14.000	21.000	35.000			14.000	21.000	35.000	16.440	24.660	41.100	24.660	14.000	21.000	35.000	34.997	99.99	99.99
4	Mathikettanmala National Park (2406-02-110-38) (04)	14.000	21.000	35.000			14.000	21.000	35.000	14.999	22.499	37.498	22.499	14.000	21.000	35.000	35.000	100.00	100.00
5	Pampadumshola National Park (2406-02-110-38) (05)	18.000	27.000	45.000			18.000	27.000	45.000	18.268	27.402	45.670	27.402	18.000	27.000	45.000	45.000	100.00	100.00
	Subtotal of National Parks	166.000	249.000	415.000			166.000	249.000	415.000	251.643	377.465	629.108	190.721	157.228	235.842	393.070	393.067	100.00	94.71
iii	Management of Community Reserve																		
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-37) (01) Kadalundi Reserve	7.000	10.500	17.500			7.000	10.500	17.500	7.464	11.196	18.660	11.196	7.000	10.500	17.500	17.500	100.00	100.00
iv	Project Tiger (60:40 between Central and State)																		
1	Periyar Tiger Reserve (2406-02-110-36) (01)	340.000	510.000	850.000	-77.720	Re-appn.	308.912	463.368	772.280	254.300	301.780	556.080	224.000	188.740	224.000	412.740	412.375	99.91	53.40
2	Parambikulam Tiger Reserve (2406-02-110-36) (02)	280.000	420.000	700.000	-67.600	Re-appn.	252.960	379.440	632.400	231.450	256.980	488.430	190.690	171.740	190.690	362.430	362.420	100.00	57.31
	Subtotal of Project Tiger	620.000	930.000	1550.000	-145.320		561.872	842.808	1404.680	485.750	558.760	1044.510	414.690	360.480	414.690	775.170	774.795	99.95	55.16

Sl. No.	Name of Scheme/Head of Account	Financial																		
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay		
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total	
v	Project Elephant (60:40 between Central and State)																			
i	Project Elephant (2406-02-110-35)	400.000	600.000	1000.000			400.000	600.000	1000.000	410.000	615.000	1025.000	492.000	328.000	492.000	820.000	819.523	99.94	81.95	
ii	Project Elephant SCSP (2406-02-789-99)	0.000	0.000	0.000	117.600	Re-appn.	47.040	70.560	117.600	58.800	88.200	147.000	70.560	47.040	70.560	117.600	107.854	91.71	91.71	
iii	Project Elephant TSP (2406-02-796-99)	0.000	0.000	0.000	20.000	Re-appn.	8.000	12.000	20.000	10.000	15.000	25.000	12.000	8.000	12.000	20.000	19.996	99.98	99.98	
	Sub total of Project Elephant	400.000	600.000	1000.000	137.600		455.040	682.560	1137.600	478.800	718.200	1197.000	574.560	383.040	574.560	957.600	947.373	98.93	83.28	
vi	National Mission for Green India																			
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86)	0.000	100.000	100.000	1350.680	Addl. Authrsn	0.000	1450.680	1450.680	1381.600	2072.410	3454.010	#####	0.000	1450.680	1450.680	1450.680	100.00	100.00	
ii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-789-99) SCP component	0.000	0.000	0.000	69.060	Addl. Authrsn.	0.000	69.060	69.060	141.420	212.140	353.560	148.500	0.000	69.060	69.060	69.060	100.00	100.00	
iii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-796-99) TSP component	0.000	0.000	0.000	32.630	Addl. Authrsn.	0.000	32.630	32.630	31.080	46.620	77.700	32.630	0.000	32.630	32.630	32.630	100.00	100.00	
	Sub total of National Mission for Green India	0.000	100.000	100.000	1452.370		0.000	1552.370	1552.370	1554.100	2331.170	3885.270	#####	0.000	1552.370	1552.370	1552.370	100.00	100.00	
vii	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (FPMS) **	160.000	240.000	400.000			160.000	240.000	400.000	0.000	0.000	0.000	0.000	131.151	196.727	327.878	326.715	99.65	81.68	
3	Conservation of Natural Resources & Ecosystems																			
i	Nilgiri Biosphere Reserve (2406-02-110-34)	100.000	150.000	250.000			100.000	150.000	250.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	
ii	Agasthyamala Biosphere Reserve (2406-02-110-33)	120.000	180.000	300.000			120.000	180.000	300.000	148.740	223.110	371.850	10.090	6.720	10.080	16.800	16.713	99.48	5.57	
iii	Wetland Conservation (2406-02-110-32)	169.600	254.400	424.000			169.600	254.400	424.000	0.000	0.000	0.000	0.000	71.270	0.000	71.270	71.270	100.00	16.81	

Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.03.2021			Release during the year			Amount Spent during the year	% of achievement against Release amount	% of achievement against Budget Outlay	
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	G.O.I. Release	State Share	Central Share				Total
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)	0.400	0.600	1.000			0.400	0.600	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52)	0.000	0.000	0.000	771.770	Addl. Authn	308.710	463.060	771.770	385.884	578.826	964.710	463.060	308.710	463.060	771.770	743.037	96.28	96.28
	Subtotal of Nature Resources & Ecosystems	390.000	585.000	975.000	771.770		698.710	1048.060	1746.770	534.624	801.936	1336.560	473.150	386.700	473.140	859.840	831.020	96.65	47.57
	SUB TOTAL (B)	2172.000	3358.000	5530.000	2224.140		2480.710	5273.430	7754.140	3669.320	5334.135	9003.455	#####	1774.415	3981.052	5755.467	5708.964	99.19	73.62
	GRAND TOTAL (A+B)	17685.000	3358.000	21043.000	5903.140		21672.710	5273.430	26946.140	22861.320	5334.135	28195.455	#####	20966.415	3981.052	#####	24764.999	99.27	91.91
C	EXTERNALLY AIDED PROJECTS																		
i	KHIFB #	11001.160	0	11001.160			11001.160	0	11001.160	11001.160	0	11001.160	0.000	0.000	0.000	0.000	227.940	0.00	2.07
ii	RBK	13040.600	0	13040.600			13040.600	0	13040.600	13040.600	0	13040.600	0.000	2456.000	0.000	2456.000	6.991	0.28	0.05
	SUB TOTAL (C)	24041.760	0.000	24041.760			24041.760	0.000	24041.760	24041.760	0.000	24041.760	0.000	2456.000	0.000	2456.000	234.931	0.00	0.98

Note:- Govt. Of India released Rs.1631.63 lakhs to Govt. Of Kerala during 2019-20 for GIM (60:40) CSS. Out of this Rs.79.44 lakhs released to SFDA during 2019-20 under 2406-01-789-99 SCP. Matching State share not released till date.

* In addition to Budget Provision, Rs.300 Lakhs received as Additional Authorisation and Rs.100 Lakh through SDG .

** Revalidation of unspent balance of CSS released during the year 2019-20.

** Release for the APO 2019-20 which has been revalidated for the year 2020-21.

Cumulative expenditure of all projects under KHIFB upto 24.03.2021 is Rs.1330.92 Lakhs.

Principal Chief Conservator of Forests (P&D)

KERALA FOREST DEPARTMENT																			
PLAN PROGRESS REPORT DURING 2019-20 (Rs in lakhs)																			
Sl. No.	Name of Scheme/Head of Account	Financial																	
		Budget Outlay			Addl. Amount received	Mode of receipt	Revised Outlay			Approved Plan			GOI Release	Release during the year			Amount Spent	% of achievement against	% of achievement against
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total		State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A. STATE SECTOR SCHEMES																			
I Management of Natural Forests																			
1	Forest Protection (2406-01-101-81)	2800.000	-	2800.000			2800.000	-	2800.000	2800.000	-	2800.000		2800.000	-	2800.000	2590.579	92.52	92.52
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2900.000	-	2900.000			2900.000	-	2900.000	2900.000	-	2900.000		2900.000	-	2900.000	1555.217	53.63	53.63
3	Regeneration of Denuded Forest (2406-01-101-94)	277.000	-	277.000			277.000	-	277.000	277.000	-	277.000		277.000	-	277.000	193.627	69.90	69.90
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	195.000	-	195.000			195.000	-	195.000	195.000	-	195.000		195.000	-	195.000	116.427	59.71	59.71
Sub Total (I)		6172.000	0.000	6172.000	0.000		6172.000	0.000	6172.000	6172.000	0.000	6172.000		6172.000	0.000	6172.000	4455.849	72.19	72.19
II Improving Productivity of Plantations																			
1	Hard Wood Species (4406-01-105-87) (01)	800.000	-	800.000			800.000	-	800.000	800.000	-	800.000		800.000	-	800.000	466.900	58.36	58.36
2	Industrial Raw Materials (4406-01-105-87) (02)	300.000	-	300.000			300.000	-	300.000	300.000	-	300.000		300.000	-	300.000	240.464	80.15	80.15
Sub Total (II)		1100.000	0.000	1100.000	0.000		1100.000	0.000	1100.000	1100.000	0.000	1100.000		1100.000	0.000	1100.000	707.364	64.31	64.31
III Infrastructure Development																			
1	Roads (4406-01-070-99)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000		500.000	-	500.000	227.277	45.46	45.46
2	Building (4406-01-070-97)	700.000	-	700.000	425.000	Re-appn.	1125.000	-	1125.000	1125.000	-	1125.000		1125.000	-	1125.000	856.359	76.12	76.12
Sub Total		1200.000	0.000	1200.000	425.000		1625.000	0.000	1625.000	1625.000	0.000	1625.000		1625.000	0.000	1625.000	1083.636	66.69	66.69
IV	Eco-Tourism (4406-01-800-91)	935.000	-	935.000	-425.000	Re-appn.	510.000	-	510.000	510.000	-	510.000		510.000	-	510.000	200.229	39.26	39.26
V	Human Resource Development (2406-01-003-97)	395.000	-	395.000			395.000	-	395.000	395.000	-	395.000		395.000	-	395.000	302.809	76.66	76.66
VI	Resource Planning & Research (2406-01-004-92)	250.000	-	250.000			250.000	-	250.000	250.000	-	250.000		250.000	-	250.000	149.252	59.70	59.70

VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000		150.000	-	150.000	56.987	37.99	37.99
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1400.000	-	1400.000			1400.000	-	1400.000	1400.000	-	1400.000		1400.000	-	1400.000	1099.069	78.50	78.50
IX	Eco Tourism - Project Green Grass 2406-01-800-52	0.000	-	0.000	20.000	Re-appn.	20.010	0.000	20.010	20.010		20.010		20.010	-	20.01	0.000	0.00	0.00
X	Works with assistance from RIDF (4406-01-800-90)	2500.000	-	2500.000			2500.000	-	2500.000	2500.000	-	2500.000		2500.000	-	2500.000	817.443	32.70	32.70
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2400.000	-	2400.000			2400.000	-	2400.000	2400.000	-	2400.000		2400.000	-	2400.000	2070.647	86.28	86.28
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000		500.000	-	500.000	500.000	100.00	100.00
XIII	Conservation of Biodiversity ** (2406-02-110-68)	1300.000	-	1300.000	-20.000	Re-appn.	1280.000	-	1280.000	1280.000	-	1280.000		1280.000	-	1280.000	962.629	75.21	75.21
XIV	Eco Development Programme (2406-02-110-56)	350.000	-	350.000			350.000	-	350.000	350.000	-	350.000		350.000	-	350.000	244.571	69.88	69.88
SUB TOTAL (A)		18652.000	0.000	18652.000	0.000		18652.010	0.000	18652.010	18652.010	0.000	18652.010		18652.010	0.000	18652.010	12650.485	67.82	67.82
B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE																		
1	Integrated Development of Wildlife Habitats																		
i	Management of Wildlife Sanctuaries																		
1	Neyyar Wildlife Sanctuary (2406-02-110-39) (01)	35.000	52.500	87.500			35.000	52.500	87.500	29.548	44.322	73.870	35.454	23.636	35.454	59.090	39.929	67.57	45.63
2	Wayanad Wildlife Sanctuary (2406-02-110-39) (02)	50.000	75.000	125.000			50.000	75.000	125.000	42.720	64.080	106.800	51.264	34.176	51.264	85.440	81.507	95.40	65.21
3	Idukki Wildlife Sanctuary (2406-02-110-39) (03)	41.000	61.500	102.500			41.000	61.500	102.500	30.140	45.210	75.350	36.168	24.112	36.168	60.280	44.919	74.52	43.82
4	Peechi, Vazhani (2406-02-110-39) (04)	41.000	61.500	102.500			41.000	61.500	102.500	30.378	45.567	75.945	36.450	24.300	36.450	60.750	56.633	93.22	55.25
5	Peppara Wildlife Sanctuary (2406-02-110-39) (05)	28.000	42.000	70.000			28.000	42.000	70.000	24.520	36.780	61.300	29.424	19.616	29.424	49.040	36.333	74.09	51.90
6	Shendurney Wildlife Sanctuary (2406-02-110-39) (06)	36.000	54.000	90.000			36.000	54.000	90.000	29.888	44.832	74.720	35.865	23.976	35.964	59.940	42.384	70.71	47.09
7	Chimmony Wildlife Sanctuary (2406-02-110-39) (07)	45.000	67.500	112.500			45.000	67.500	112.500	33.860	50.790	84.650	40.632	27.088	40.632	67.720	53.085	78.39	47.19
8	Aralam Wildlife Sanctuary (2406-02-110-39) (08)	45.000	67.500	112.500			45.000	67.500	112.500	34.280	51.420	85.700	41.136	27.424	41.136	68.560	61.340	89.47	54.52
9	Chinnar Wildlife Sanctuary (2406-02-110-39) (09)	28.000	42.000	70.000			28.000	42.000	70.000	23.088	34.632	57.720	27.708	18.472	27.708	46.180	40.752	88.24	58.22

10	Thattekkad Birds Sanctuary (2406-02-110-39) (10)	22.000	33.000	55.000			22.000	33.000	55.000	19.768	29.652	49.420	23.724	15.816	23.724	39.540	33.392	84.45	60.71
11	Mangalavanam Birds Sanctuary (2406-02-110-39) (11)	4.000	6.000	10.000			4.000	6.000	10.000	4.520	6.780	11.300	5.424	3.616	5.424	9.040	7.521	83.20	75.21
12	Kurinjalma Sanctuary (2406-02-110-39) (12)	8.000	12.000	20.000			8.000	12.000	20.000	8.288	12.432	20.720	9.948	6.632	9.948	16.580	16.578	99.99	82.89
13	Choolannur Peacock Sanctuary (2406-02-110-39) (13)	6.000	9.000	15.000			6.000	9.000	15.000	5.732	8.598	14.330	6.876	4.584	6.876	11.460	9.810	85.60	65.40
14	Malabar Sanctuary (2406-02-110-39) (14)	16.000	24.000	40.000			16.000	24.000	40.000	14.908	22.362	37.270	17.892	11.928	17.892	29.820	27.477	92.14	68.69
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39) (15)	18.000	27.000	45.000			18.000	27.000	45.000	15.350	23.025	38.375	18.420	12.280	18.420	30.700	27.432	89.35	60.96
	Subtotal of WL Sanctuaries	423.000	634.500	1057.500	0.000		423.000	634.500	1057.500	346.988	520.482	867.470	416.385	277.656	416.484	694.140	579.092	83.43	54.76
ii	Management of National Parks																		
1	Eravikulam National Park (2406-02-110-38) (01)	44.000	66.000	110.000			44.000	66.000	110.000	84.614	126.920	211.534	49.818	33.212	49.818	83.030	66.794	80.45	60.72
2	Silent Valley National Park (2406-02-110-38) (02)	60.000	90.000	150.000			60.000	90.000	150.000	83.720	125.580	209.300	61.824	41.216	61.824	103.040	76.839	74.57	51.23
3	Anamudi National Park (2406-02-110-38) (03)	12.000	18.000	30.000			12.000	18.000	30.000	14.164	21.246	35.410	16.998	11.332	16.998	28.330	25.429	89.76	84.76
4	Mathikettanmala National Park (2406-02-110-38) (04)	12.000	18.000	30.000			12.000	18.000	30.000	14.776	22.164	36.940	17.730	11.820	17.730	29.550	24.744	83.74	82.48
5	Pampadumshola National Park (2406-02-110-38) (05)	16.000	24.000	40.000			16.000	24.000	40.000	20.992	31.488	52.480	25.190	14.810	25.190	40.000	32.084	80.21	80.21
	Subtotal of National Parks	144.000	216.000	360.000	0.000		144.000	216.000	360.000	218.266	327.398	545.664	171.560	112.390	171.560	283.950	225.890	79.55	62.75
iii	Management of Community Reserve																		
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-37) (01)	7.000	10.500	17.500			7.000	10.500	17.500	5.980	8.970	14.950	7.176	4.784	7.176	11.960	8.432	70.50	48.18
iv	Project Tiger (60:40 between Centre and State)																		
1	Periyar Tiger Reserve (2406-02-110-36) (01)	280.000	420.000	700.000			280.000	420.000	700.000	351.893	405.427	757.320	324.342	281.514	324.342	605.856	567.802	93.72	81.11
2	Parambikulam Tiger Reserve (2406-02-110-36) (02)	244.000	366.000	610.000			244.000	366.000	610.000	314.290	341.320	655.610	275.838	253.750	275.838	529.588	501.916	94.77	82.28
	Subtotal of Project Tiger	524.000	786.000	1310.000			524.000	786.000	1310.000	666.183	746.747	1412.930	600.180	535.264	600.180	1135.444	1069.718	94.21	81.66
v	Project Elephant (2406-02-110-35)	380.000	570.000	950.000			380.000	570.000	950.000	399.528	599.292	998.820	599.292	399.528	599.292	998.820	630.994	63.17	66.42
2	National Mission for Green India																		
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) General component	40.000	60.000	100.000	776.100		350.440	525.660	876.100	1381.996	#####	3454.010	525.660	350.440	525.660	876.100	0.000	0.00	0.00

ii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-789-99) SCP component	0.000	0.000	0.000	79.440	Addl.Authrsn	31.776	47.664	79.440	141.424	212.136	353.560	47.664	31.776	47.664	79.440	79.440	100.00	100.00
iii	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-796-99) TSP component	0.000	0.000	0.000	17.460	Addl.Authrsn	6.984	10.476	17.460	31.080	46.620	77.700	10.476	6.984	10.476	17.460	0.000	0.00	0.00
Subtotal (i+ii+iii)		40.000	60.000	100.000	873.000		389.200	583.800	973.000	1554.500	#####	3885.270	583.800	389.200	583.800	973.000	79.440	8.16	8.16
iv	Forest Fire Prevention & Management Scheme (FPMS) (2406-01-800-53)	160.000	240.000	400.000			160.000	240.000	400.000	160.000	240.000	400.000	240.000	160.000	240.000	400.000	228.228	57.06	57.06
Subtotal of Green India Mission		200.000	300.000	500.000	873.000		549.200	823.800	1373.000	1714.500	#####	4285.270	823.800	549.200	823.800	1373.000	307.668	22.41	22.41
3	Conservation of Natural Resources & Ecosystems																		
i	Nilgiri Biosphere Reserve (2406-02-110-34)	156.000	234.000	390.000			156.000	234.000	390.000	0.000	0.000	0.000	0.000	19.500	0.000	19.500	19.350	99.23	4.96
ii	Agasthyamala Biosphere Reserve (2406-02-110-33)	156.000	234.000	390.000			156.000	234.000	390.000	0.000	0.000	0.000	0.000	25.460	0.000	25.460	25.456	99.98	6.53
iii	Wetland Conservation (2406-02-110-32)**	170.000	255.000	425.000			170.000	255.000	425.000	71.281	106.921	178.202	106.921	71.275	107.921	179.196	107.790	60.15	25.36
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00
v	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas (2406-02-110-52)	0.000	0.000	0.000			0.000	0.000	0.000	385.884	578.826	964.710	270.110	0.000	0.000	0.000	0.000	0.00	0.00
Subtotal of Nature Resources & Ecosystems		522.000	783.000	1305.000	0.000		522.000	783.000	1305.000	457.165	685.747	1142.912	377.031	116.235	107.921	224.156	152.595	68.08	11.69
SUB TOTAL (B)		2200.000	#####	5500.000	873.000		2549.200	#####	6373.000	3808.609	#####	9268.016	2995.424	1995.057	2726.413	4721.470	2974.389	63.00	46.67
C	SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE																		
1	Minimum Support Price For Minor Forest Produce 2406-01-105-89	0.000	0.000	0.000	556.650	SDG	139.160	417.490	556.650	0.000	0.000	0.000	417.490	139.160	417.490	556.650	556.65	100.00	100.00
SUB TOTAL (C)		0.000	0.000	0.000	556.650		139.160	417.490	556.650	0.000	0.000	0.000	417.490	139.160	417.490	556.650	556.65	100.00	100.00
GRAND TOTAL (A+B+C)		20852.000	#####	24152.000	1429.65		21340.370	#####	25581.660	22460.619	#####	27920.026	3412.914	20786.227	3143.903	23930.130	16181.524	67.62	63.25

D	Assistance to Kerala Agricultural University to support the training and extension needs of Kerala Forest Department. (2415-01-277-86) (STATE SECTOR SCHEME)	20.000	0.000	20.000	0.000		20.000	0.000	20.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.00
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Note:-** Under this scheme GOI approved Rs.178.2017 lakhs and released Rs.106.92102 lakhs through Bank account. Department had moved for State share of Rs.71.28 lakhs to release the amount through Bank account. But Govt.vide letter No.1/D3/2020/F&WLD dated 06.02.2020 had informed that in view of the financial constraints of the State, the State share may be released in the next financial year, as per the necessity of fund, for the project.

It was also informed that if the Central share has been exhausted, it should be informed to the Administrative Department in Government.

** Rs.20 Lakhs re-appropriated from Conservation of Biodiversity to Eco-tourism - Project Green Grass.

Principal Chief Conservator of Forests (P & D)

KERALA FOREST DEPARTMENT

PLAN PROGRESS REPORT (FINANCIAL) TILL THE END OF MARCH 2019 DURING 2018-19 (Rs in lakhs)

Sl. No.	Name of Scheme/Head of Account	Financial														
		Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
1	2	3	4	5	6	7	8	9	10	14	15	16	17	18	19	20
A. STATE SECTOR SCHEMES																
I	Management of Natural Forests															
1	Forest Protection (2406-01-101-81)	2650.000	-	2650.000			2650.000	0.000	2650.000	2650.000	-	2650.000	2650.000	2612.312	98.58	98.58
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2800.000	-	2800.000			2800.000	0.000	2800.000	2800.000	-	2800.000	1953.000	1784.233	91.36	63.72
3	Regeneration of Denuded Forest (2406-01-101-94)	100.000	-	100.000			100.000	0.000	100.000	100.000	-	100.000	85.000	75.492	88.81	75.49
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	195.000	-	195.000			195.000	0.000	195.000	195.000	-	195.000	178.000	160.732	90.30	82.43
	Sub Total (I)	5745.000	0.000	5745.000	0.000	0.000	5745.000	0.000	5745.000	5745.000	0.000	5745.000	4866.000	4632.769	95.21	80.64
II	Improving Productivity of Plantations															
1	Hard Wood Species (4406-01-105-87) (01)	650.000	-	650.000			650.000	0.000	650.000	650.000	-	650.000	483.000	460.001	95.24	70.77
2	Industrial Raw Materials (4406-01-105-87) (02)	800.000	-	800.000			800.000	0.000	800.000	800.000	-	800.000	485.000	466.067	96.10	58.26

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
	Sub Total (II)	1450.000	0.000	1450.000	0.000	0.000	1450.000	0.000	1450.000	1450.000	0.000	1450.000	968.000	926.069	95.67	63.87

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
III	Infrastructure Development															
1	Roads (4406-01-070-99)	500.000	-	500.000			500.000	0.000	500.000	500.000	-	500.000	320.000	288.370	90.12	57.67
2	Building (4406-01-070-97)	700.000	-	700.000			700.000	0.000	700.000	700.000	-	700.000	572.000	517.497	90.47	73.93
	Sub Total	1200.000	0.000	1200.000	0.000	0.000	1200.000	0.000	1200.000	1200.000	0.000	1200.000	892.000	805.867	90.34	67.16
IV	Eco-Tourism (4406-01-800-91)	935.000	-	935.000			935.000	0.000	935.000	935.000	-	935.000	722.020	659.020	91.27	70.48
V	Human Resource Development (2406-01-003-97)	395.000	-	395.000			395.000	0.000	395.000	395.000	-	395.000	395.000	392.153	99.28	99.28
VI	Resource Planning & Research (2406-01-004-92)	250.000	-	250.000			250.000	0.000	250.000	250.000	-	250.000	250.000	240.074	96.03	96.03
VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000			150.000	0.000	150.000	150.000	-	150.000	150.000	149.985	99.99	99.99
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1400.000	-	1400.000			1400.000	0.000	1400.000	1400.000	-	1400.000	1115.100	1089.450	97.70	77.82
IX	Works with assistance from RIDF (4406-01-800-90)	5000.000	-	5000.000			5000.000	0.000	5000.000	5000.000	-	5000.000	5000.000	801.474	16.03	16.03
X	Measures to reduce Man Animal conflict (2406-01-800-56)	2000.000	-	2000.000			2000.000	0.000	2000.000	2000.000	-	2000.000	1530.200	1405.254	91.83	70.26
	Zoological Park at Puthur, Thrissur (2406-02-110-48)	500.000	-	500.000			500.000	0.000	500.000	500.000	-	500.000	500.000	262.261	52.45	52.45

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
XI	Zoological Park at Puthur, Thrissur (RIDF) (4406-02-110-97)	500.000	-	500.000			500.000	0.000	500.000	500.000	-	500.000	500.000	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
XII	Conservation of Biodiversity (2406-02-110-68)	700.000	-	700.000			700.000	0.000	700.000	700.000	-	700.000	568.000	557.565	98.16	79.65
XIII	Eco Development Programme (2406-02-110-56)	350.000	-	350.000			350.000	0.000	350.000	350.000	-	350.000	294.000	277.506	94.39	79.29
	SUB TOTAL (A)	20575.000	0.000	20575.000	0.000	0.000	20575.000	0.000	20575.000	20575.000	0.000	20575.000	17750.320	12199.446	68.73	59.29
B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE															
1	Integrated Development of Wildlife Habitats															
i	Management of Wildlife Sancturries															
1	Neyyar Wildlife Sanctuary (2406-02-110-39) (01)	38.000	57.000	95.000		-23.730	28.508	42.762	71.270	21.335	32.002	66.667	66.675	66.614	99.91	93.47
2	Wayanad Wildlife Sanctuary (2406-02-110-39) (02)	50.000	75.000	125.000		-20.320	41.872	62.808	104.680	33.107	78.509	132.306	104.680	89.091	85.11	85.11
3	Idukki Wildlife Sanctuary (2406-02-110-39) (03)	28.000	42.000	70.000			28.000	42.000	70.000	23.207	34.810	72.527	70.000	63.194	90.28	90.28
4	Peechi, Vazhani (2406-02-110-39) (04)	25.000	37.500	62.500			25.000	37.500	62.500	24.447	36.670	76.397	62.500	62.500	100.00	100.00
5	Peppara Wildlife Sanctuary (2406-02-110-39) (05)	17.000	25.500	42.500	3.140		18.256	27.384	45.640	18.393	27.590	57.463	45.640	45.622	99.96	99.96
6	Shendurney Wildlife Sanctuary (2406-02-110-39) (06)	17.000	25.500	42.500	17.290		23.916	35.874	59.790	23.920	35.880	74.750	59.790	59.568	99.63	99.63
7	Chimmony Wildlife Sanctuary (2406-02-110-39) (07)	17.000	25.500	42.500	24.410	10.730	31.056	46.584	77.640	26.767	40.150	83.647	77.640	77.640	100.00	100.00
8	Aralam Wildlife Sanctuary (2406-02-110-39) (08)	30.000	45.000	75.000			30.000	45.000	75.000	26.187	39.280	81.837	75.000	66.955	89.27	89.27

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
9	Chinnar Wildlife Sanctuary (2406-02-110-39) (09)	27.000	40.500	67.500			27.000	40.500	67.500	18.580	27.870	58.060	58.070	53.164	91.55	78.76
10	Thattekkad Birds Sanctuary (2406-02-110-39) (10)	21.000	31.500	52.500			21.000	31.500	52.500	14.360	21.540	44.880	44.875	44.198	98.49	84.19
11	Mangalavanam Birds Sanctuary (2406-02-110-39) (11)	14.000	21.000	35.000			14.000	21.000	35.000	2.560	3.840	8.000	8.000	6.400	80.00	18.29
12	Kurinjimala Sanctuary (2406-02-110-39) (12)	9.000	13.500	22.500			9.000	13.500	22.500	5.373	8.060	16.793	16.807	16.497	98.16	73.32
13	Choolannur Peacock Sanctuary (2406-02-110-39) (13)	12.000	18.000	30.000			12.000	18.000	30.000	4.293	6.440	13.413	13.425	13.420	99.96	44.73
14	Malabar Sanctuary (2406-02-110-39) (14)	14.000	21.000	35.000			14.000	21.000	35.000	10.220	15.330	31.940	31.930	28.293	88.61	80.84
15	Kottiyoor Wildlife Sanctuary (2406-02-110-39) (15)	21.000	31.500	52.500			21.000	31.500	52.500	11.727	17.590	36.647	36.808	22.478	61.07	42.82
	Subtotal of WL Sanctuaries	340.000	510.000	850.000	44.840	-33.320	344.608	516.912	861.520	264.475	425.561	855.326	771.840	715.636	92.72	83.07
ii	Management of National Parks															
1	Eravikulam National Park (2406-02-110-38) (01)	27.000	40.500	67.500	6.960		29.784	44.676	74.460	29.773	115.581	164.004	74.460	64.430	86.53	86.53
2	Silent Valley National Park (2406-02-110-38) (02)	40.000	60.000	100.000	3.160		41.264	61.896	103.160	41.269	101.380	168.439	103.160	103.160	100.00	100.00
3	Anamudi National Park (2406-02-110-38) (03)	11.000	16.500	27.500			11.000	16.500	27.500	8.000	12.000	25.000	25.000	23.162	92.65	84.23
4	Mathikettanmala National Park (2406-02-110-38) (04)	11.000	16.500	27.500			11.000	16.500	27.500	7.847	11.770	24.527	24.530	20.814	84.85	75.69

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
5	Pampadumshola National Park (2406-02-110-38) (05)	11.000	16.500	27.500	1.210		11.484	17.226	28.710	11.486	17.230	35.896	28.710	28.318	98.63	98.63
	Subtotal of National Parks	100.000	150.000	250.000	11.330	0.000	104.532	156.798	261.330	98.375	257.961	417.866	255.860	239.885	93.76	91.79
iii	Management of Community Reserve															
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-37) (01)	2.000	3.000	5.000	5.580		4.232	6.348	10.580	4.233	6.350	13.223	10.580	10.580	100.00	100.00
iv	Project Tiger (60:40 between Centre and State)															
1	Periyar Tiger Reserve (2406-02-110-36) (01)	330.000	495.000	825.000			330.000	495.000	825.000	319.880	375.620	695.500	695.500	693.633	99.73	84.08
2	Parambikulam Tiger Reserve (2406-02-110-36) (02)	220.000	330.000	550.000			220.000	330.000	550.000	220.000	330.000	550.000	550.000	440.148	80.03	80.03
	Subtotal of Project Tiger	550.000	825.000	1375.000			550.000	825.000	1375.000	539.880	705.620	1245.500	1245.500	1133.781	91.03	82.46
v	Project Elephant (2406-02-110-35)	251.000	376.500	627.500	62.900	33.320	289.488	434.232	723.720	289.488	517.800	807.288	723.720	676.446	93.47	93.47
2	National Mission for Green India															
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86)	1470.000	2205.000	3675.000			1441.132	2161.698	3602.830	0.000	0.000	0.000	0.000	0.000	0.00	0.00
ii	Integrated Forest Protection Scheme (2406-01-800-54)	175.000	262.500	437.500			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
iii	Forest Fire Prevention & Management Scheme (FPMS) (2406-01-800-53)	0.000	0.000	0.000			175.000	262.500	437.500	175.000	270.000	445.000	437.500	357.656	81.75	81.75
	Subtotal of Green India Mission	1645.000	2467.500	4112.500	0.000	-72.170	1616.132	2424.198	4040.330	175.000	270.000	445.000	437.500	357.656	81.75	8.85
3	Conservation of Natural Resources & Ecosystems															
i	Nilgiri Biosphere Reserve (2406-02-110-34)	142.100	213.150	355.250			142.100	213.150	355.250	39.492	59.240	98.732	99.220	91.600	92.32	25.78
ii	Agasthyamala Biosphere Reserve (2406-02-110-33)	142.100	213.150	355.250			142.100	213.150	355.250	49.896	74.844	124.740	132.400	99.925	75.47	28.13
iii	Wetland Conservation (2406-02-110-32)**	35.000	52.500	87.500	4.980	36.040	106.896	21.624	128.520	92.480	138.720	231.200	128.520	127.458	99.17	99.17
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31)**	540.000	810.000	1350.000			540.000	810.000	1350.000	0.000	0.000	0.000	1350.000	1350.000	100.00	100.00

Sl. No.	Name of Scheme/Head of Account	Budget Outlay			Addl. Authorization	Re-appropriation	Revised Budget Outlay			Release during the year			Amount made available for utilization	Amount Spent	% of achievement against available amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total				
v	Integrated Development of Wildlife Habitats (Protection of wildlife outside protected areas) (2406-02-110-52)	0.000	0.000	0.000	521.320	36.130	14.452	542.996	557.448	0.000	521.318	521.318	557.448	241.453	43.31	43.31
	Subtotal of Nature Resources & Ecosystems	859.200	1288.800	2148.000	526.300	72.170	945.548	1800.920	2746.468	181.868	794.122	975.990	2267.588	1910.437	84.25	69.56
	SUB TOTAL (B)	3747.200	5620.800	9368.000	650.950	0.000	3854.540	6164.408	10018.948	1553.319	2977.414	4760.193	5712.588	5044.420	88.30	50.35
	GRAND TOTAL (A+B)	24322.200	5620.800	29943.000	650.950	0.000	24429.540	6164.408	30593.948	22128.319	2977.414	25335.193	23462.908	17243.866	73.49	56.36

** Note

- In NBR & ABR the amount shown under approved plan is the amount sanctioned by Central Government for the financial year 2017-18 as the Central release received during 2018-19 is the second allotment of action plan approved for the year 2017-18.
- Under wetland conservation, the Central Share has been directly released to the Bank by GoI and so the Budget Outlay and additional authorization fund has been met towards State Share. Also Rs. 36.04 lakhs, reappropriated to this head is for matching the bills for 2017-18, which were placed in treasury queue.
- No Central Release has been received in the B.H 2406-02-110-31 by Kerala Forest Department during 2018-19

The fund released by the department to the district Collector Wayanad during previous years and remaining unspent (1350.00 lakhs) with district collector has been withdrawn by State Government as per Circular No. 25/2018/ Fin dated - 03/04/2018. The amount has been replenished to the department during current fiscal; which has gain been transferred to district Collector Wayanad vide G.O (Rt) No 255/2018/Forest dated 30.05.2018 and vide proceedings No.WL 4/1205/07 of Deputy Conservator of Forests (Wildlife), dated 01.06.2018. Hence the expenditure shown.
- Re-appropriation of funds for meeting the bills pending with treasury queue during 2017-18 under 60% CSS namely IDWH (Protection of wildlife outside Pas) - 2406-02-110-52 - Rs.36.13 lakhs, Chimmoney Wildlife Sanctuary - 2406-02-110-39 (07) - Rs.10.73 lakhs, Project Elephant - 2406-02-110-35 - Rs.33.32 lakhs, Wetland Conservation - 2406-02-110-32 - Rs.36.04 lakhs has been received. Since the Central release was made during 2017-18, this doesnt alter the Central release received during 2018-19.
- Since the second instalment of Central release due to Integrated Development of Wildlife Habitats (Sanctuaries and National Parks) and Project Elephant scheme was received at the fag end of the financial year, State Government denayed to enhance budget provision with the anticipation that no further expenditure could be made possible. Hence allotment on these schemes was limited to actual budget allocation.

Addl. Principal Chief Conservator of Forests (FB&A)

Annexure III

KERALA FOREST DEPARTMENT

**Forest Land Diverted for Non Forest Purpose as per Sec (2) F(C) Act, 1980 in Kerala
(Stage II Approval) - Diversions having more than 1.00 Ha area**

Sl.No.	Name of the Project	GOI Order	Date	User Agency	Extent (ha)	Forest Division
1	2	3	4	5	6	7
1	VSSC Valiamala	8-10/81FRY (coord)	20.08.81	VSSC	80.800	Trivandrum
2	Kallada IP		09.01.81	Irrigation Dept.	2.377	Konni
3	Mineral Water (KSIDC)	8-8/82FRY (Cons)	24.03.82	KSIDC	32.000	Trivandrum
4	Kerala Police Fire Range	8-10/ FRY (Coord)	06.04.82	Kerala Police	24.281	Trivandrum
5	110 KV line Idmlr-Chky	8-149/82 FRY (Cons)	22.07.82	KSEB	62.000	Malayattur
6	220 KV Line sabarigiri- Trivandrum	8-65/82 FRY (Cons)	09.01.82	KSEB	180.110	Ranni, Konni, Thenmal,
7	110 KV line Pathanamthitta-Kakkad	9/293/82 FRY (Cons)	27.09.82	KSEB	7.238	Ranni
8	110 KV Line Malabar Cements, Palakkad	8-322/82 FRY (Cons)	18.11.82	KSEB	2.640	Palakkad
9	Oil Palm India	7-25/80 FRY (Cons)	23.20.83	Oil Palm India Ltd	468.000	Punalur
10	66 KV Tap line to Malabar Cements	8-122/83 FRY (Cons)	31.05.83	KSEB	9.900	Palakkad Spl.
11	110 KV line to Seed Garden, Wandoor	8-124/83 FRY (Cons)	23.12.83	KSEB	1.120	NBR Spl
12	66 KV Line Kainatti- S.Batheri, KKD	8-294/FRY (Cons)	23.12.83	KSEB	1.120	KKD
13	66 KV Line Valara- Karimanal	8-334/82 FRY (Cons)	03.02.84	KSEB	3.600	Munnar
14	Naval Phys Research Lab Cochin (UWAR)	8-43/83 FRY (Cons)	09.02.84	GOI	7.080	Kothamangal am
15	Peringalkuthu HEP Sch.(Investig.)	8-171/83 FRY (Cons)	03.04.84	KSEB	1.150	Vazhachal
16	Approach Road to Myladi Bridge	8-26/84 FRY (Cons)	03.04.84	PWD	1.100	NBR Spl
17	Lower Periyar Hydel Project	8-360/82 FRY (Cons)	03.04.84	KSEB	127.000	Munnar
18	11 KV line Villumala- Kodmankode Sett.	8-114/83/ FRY (Cons)	19.05.84	KSEB	4.000	Punalur, Thenmala
19	Fathima Matha Convent	8-180/84 FRY (Coons)	15.06.84	RD	2.653	Trichur
20	66 KV line Edamon-Ayur	8-315/82 FRY (Cons)	22.11.84	KSEB	2.280	Punalur

21	MVIP RB Canal	8-242/84 FRY (Cons)	17.12.84	Irrigation Dept.	1.306	Kothamangal am
22	220 KV line Idukki- Udumalpet	8-494/82-FC	03.06.86	KSEB	180.070	KTM, Munnar
23	Sabarimala Facilities	8-184/82 FRY (Cons)	30.09.86	Travancore DB	5.340	Ranni, Thekkady
24	VSSC, PSLV	8-10/81 FC	04.11.87	VSSC	34.520	Trivandrum
25	KSEB diversioon channel, Peringalkuthu	8-40/88 FC	18.04.88	KSEB	7.500	Vazhachal
26	220 KV line Trichur- Kozhikode	8-98/87 FC	09.07.90	KSEB	22.400	Trichur
27	220 KV Line LP-Kochi	8-284/87 FC	10.07.90	KSEB	16.410	Munnar, Kthlm
28	220 KV line Idukki-LP	8-8/89 FC	10.07.90	KSEB	25.585	Munnar, Kthlm
29	66 KV liine Thenmala- Edamon	8-220/88 FC	10.07.90	KSEB	14.152	Punalur, Thenmala
30	Anakkayam Small HEP	8-36/90 FC	19.07.90	KSEB	8.000	Vazhachal
31	400 KV line Udumalpet- Trichur	8-107/86 FC	06.08.90	KSEB	12.615	Trichur
32	Pepper Cultivation	8-511/89 FC	06.11.90	KFD	300.000	Wayanad (N&S),KKD
33	220 KV Line LP-Trichur	8-8/89 FC	25.08.91	KSEB	11.347	Munnar, Chalakydy, Vazhachal
34	Renewal of lease, Kyatkum	8-8/82 FC	18.08.94	Hyatkum Ltd.	15.150	Trivandrum
35	Regularisation of pre 1.1.77 encroachments	8-118/86 FC	31.01.95	Rev. Dept. Kerala	28,588.000	Many
36	DWS at Kottapadi	FCA11.2/KER/D WS/48	13.03.95	PHED	3.357	Malayattur
37	Bhoothathankettu HEP	FCA11.2/1/HP/K ER	14.03.95	KSEB	1.960	Malayattur
38	Ullungal small HEP	FCA11.2/KER/67 /HP(254)	13.05.96	KSEB	1.820	Ranni
39	Karikkayam small HEP	FCA11.2/KER/66 /HP(253)	13.05.96	KSEB	4.930	Ranni
40	Kuttiyadi Audmentation Scheme	8-27/95/FC	20.08.96	KSEB	240.000	Wayanad S
41	220 KV line Panjal- Areacode	FCA11.2/KER/61 /TL	17.12.96	KSEB	1.295	Mannarghat
42	Idamalayar Irrigation Project	8-324/88 FC	10.07.97	Irrigation Dept.	115.047	Malayattur
43	Widening Chalakayam- Pamba road	FCA11.2/80/KER /RC	29.07.97	Travancore DB	1.922	Ranni
44	Jawahar NavodayaSchool, Iduki	FCA16.1/KER/B C-57/51	21.08.98	JNS, Idukki	11.700	Kottayam
45	Rubble collection in Trichur Circle	FCA16.1/64/KER	22.01.99	KFD	29.730	TCR,KLI,CK DY,MLTR
46	DVCR Cochin Airport, Nedumbasseri	FCA11.2/87/KER /Misc	18.02.99	CIAL	1.987	Kothamangal am

47	Electrification Peringasseri Tr. Stl.	FCA11.2/KER/51 /TL	08.04.99	KSEB	1.500	Kothamangal am
48	Firing Range CRPF elambracode	8-13/97/FC	21.06.99	CRPF	32.290	Trivandrum
49	66 KV line Pamba Sabarimala	FCA16.1/KER/T C/56	07.10.99	KSEB	13.526	Ranni
50	Weir & Channel Mukkali- Panathanthode	FCA11.2/90/KER /IP	22.10.99	Irrigation Dept.	1.250	Mannarghat
51	Athirapalli HEP	8-12/97/FC	16.12.99	KSEB	138.600	Chalakydy
52	Parking facility at Pamba	FCA16.1/KER/M isc/88	02.02.00	TDB	5.000	Ranni
53	Sengulam Augmentation Sch.	FCA16.1/61/IP/K ER	09.08.00	KSEB	5.155	Munnar
54	Optical Fibre Cable, Paravoor-Achencoil	11-9/98-FC	16.10.00	Telecom	1.467	Punalur, Then mala, Achenkovil
55	Vented cross bars in Kaki & Pamba	FCA11.2/95/KER /IP	09.11.00	Irrigation Dept.	1.109	Ranni
56	Meenvallom Mini Hydrel Project	FCA11.2/KER/85 /IP	22.12.00	Panchayat	1.150	Mannarghat
57	Construction of MCHR at Idamalayar	F(C)A/11.2/108/ KER/Misc. 929	08.03.01	KSEB	2.570	Malayattur
58	Collection of sand from southern Circle	F(C)A/11.6/KER/ MIN/827	20.07.01	KFD	10.452	Trivandrum, Ranni, Thenmala
59	Kuttiyadi HEP-Additional Extension Scheme	F(C)A/16.1/63/K ER/HEP/1266	20.09.01	KSEB	11.200	Kozhikode
60	Kerala Blind School, Muttam	F(C)A/11.2/92/K ER/BC/1443	16.10.01	Kerala Federation of the Blind	1.210	Kothamangal am
61	400 KV DC-Madurai- Trivandrum	8-9/200-FC	03.04.02	PGCIL	57.907	Punalur, Thenmala
62	400 KV DC Madurai- Thiruvananthapuram line	GO(MS)No.32/20 02/F&WLD	25.07.02	PGCIL	23.920	
63	Renewal of lease to RPL	8-27/2001-FC	22.04.03	RPL	2,193.770	Punalur
64	Rehabilitation of Tribals FP/KL/Other/420/2002	F.No:8-16/2002 FC	06.02.04	State Govt.	7,693.226	Various Divns.
65	Diversion of Irrigation component at Pamba- Kakki	No:KLB- 026/2004-BAN	27.12.04	Irrigation Dept.	1.443	Ranni
66	Kuttiady Additional Extension scheme	FCA/16.1/KER/H EP/68	13.01.05	KSEB	1.650	Kozhikode
67	Mankulam HEP Project	4KLC 089/2005- BAN/4221	15.04.05	KSEB	11.913	Munnar
68	Diversion of Forest Land for Nilakkal Base campe for Sabarimal Pilgrims	F.No::8-30/2005 FC	07.06.05	TDB	110.524	Ranni
69	Palakapandy diversion scheme	4-KLB069/05 BAN	29.06.05	Irrigation Dept.	3.375	Nemmara

70	Diversion of Forest Land is Periyar Tiger Reserve for development of Sabarimala	F.No:8-70/2005. FC Govt.of India, New Delhi	12.09.05	TDB	12.675	PTR West
71	Farm Tourism Project	F(c)A-11.2/121/KER/Mi	23.09.05	PCK	2.000	Chalakkudy
72	Nenmara-Nelliampathy road	4-KLB175/06-BAN	19.10.06	PWD	4.047	Nemmara
73	Mysore-Kozhikode Power line	GO(Rt)No. 454/07/F&WLD	08.08.07	PGCIL	39.842	Wayanad (S) (N) & KKD
74	For fixing electric line	GO. IMoEf No. 4KLC 244/2006	04.10.07	Power grid corporation	10.230	
75	Koodamkulam Atomic Power Project	F.No.8-47/07-FC	13.11.07	PGCIL	47.702	
76	Meenvattam SHEP	GO(Rt)No. 216/08/F&WLD	25.04.08	KSEB	1.150	
77	Allathodu Tribal Colony	GO(Rt) No. 346/2008/F&WL	03.07.08	KSEB	1.624	Ranni
78	Re-routing 400 KV line Udumalpet Thrissur Near Kuthuran Hills	4 KLB 510/2008-BAN/2679/15.07.2008	15.07.08	PGCIL	2.047	Peechi Wild Life
79	Koodankulam Power Project	4 KLB 187/2006-BAN/2149	31.03.08	PGCIL	1.058	
80	400 KV line	4KLB 333/2007-BAN/4135/24.03.2009	24.03.09	PGCIL	1.624	
81	Electrification of Kattachira Kudppanakkunu Tribal colony	4KLB 529/2008-BAN/30.04.2009	30.04.09	KSEB	4.955	Ranni
82	Thottiyar Hydro Electric Project	4KLB 090/2005/BAN/5154	11.06.07	KSEB	3.813	Munnar
83	Peruvatharamuri Small Hydro Electric Project	4-KLC 107/2006-BAN/9489	10.08.11	KSEB	6.480	Ranni
84	Fish landing centre at Chaliyar in Beypore Thope	4-KLB 781/2011-BAN/9985	25.10.11	KIDC	2.064	Kozhikode
85	CNG Pipe line in Kochi	4-KLB 825/2011-BAN/607	08.02.12	GAIL	4.330	Palakkad
86	Peechi - Vazhani Wildlife Sanctuary NH-47	4 KLC 844/2011/BAN/1669	07.08.12	NHA1	13.950	Wildlife Division, Peechi
87	Widening of NH47 between Vadakanchery and Thrissur	4-KLC 844/2011-BAN/3408	14.05.13	NHA1	13.950	Thrissur and Peechi Vazhani

88	Diversion of forest land for electrification of Chembanaruvi colony in Mannarappara	4-KLB 070/2005-BAN/1162	13.12.16	KSEB	4.400	Punalur (3.88) Konni (0.52)
89	Pottayilludavu Malavaram for Christian National Evangelism	F.No. 4-KLB 906/2012-BAN/627 GO(Rt) No. 330/2021/F&WLD	16.09.21 16.10.21	Christian National Evang. Commission	1.130	Palakkad
Total area diverted (more than 1.00 Ha)					41,179.869	Ha

**Forest Land Diverted for Non Forest Purpose as per Sec (2) F(C) Act, 1980 in Kerala
(Stage II Approval) - Diversions having less than 1.00 Ha area**

KERALA FOREST DEPARTMENT

Sl.No.	Name of the Project	GOI Order	Date	User Agency	Extent (ha)	Forest Division
1	2	3	4	5	6	7
1	110 KV KKD Sp	8-159/82 FRY (Cons)	08.06.82	KSEB	0.340000	KKD Spl
2	Tel.Exchange at Pamba	8-39/83 FRY(Cons)	08.03.83	Telecom	0.200000	Ranni
3	P&T Wireless Stn. Saramkuthi	8-55/83 FRY	03.05.83	Telecom	0.063000	Thekkady
4	DWS Kanhirankolly Tribal Settlement,Kannur	8-428/83 FRY (Cons)	24.01.84	KWA	0.030000	Tellichery Spl
5	Ambayathodu-Palchuram Road	8-20/84 FRY (Cons)	10.04.84	Kottiyur Panchayat	0.833000	Tellichery Spl
6	DWS Bathery	8-442/84 FRY (Cons)	07.02.85	KWA	0.810000	Wayanad S(KKD)
7	11 KV line Vanamcode Tribal Colony	8-82/86 FRY (Cons)	28.05.86	KSEB	0.250000	NBR Spl
8	Post Office building,Edamon	8-34/84 FRY (Cons)	03.07.86	P&T	0.040000	Thenmala
9	Wind Generators (Captive power)	8-325/88 FC	20.09.88	KSEB	0.255000	Palakkad Spl.
10	Intake well cum pumphouse, Mylamoodu	8-295/87 FC	01.11.88	KWA	0.075000	Trivandrum
11	Telephone cable, Peringamala	8-523/88 FC	05.01.89	Telecom	0.001000	Trivandrum
12	11 KV line Vennacode Tribal Sett.	8-128/89 FC	10.04.89	KSEB	0.900000	NBR South
13	Pipeline in Mannappattuchira	8-334/89 FC	09.08.89	Irrigation Dept.	0.086000	Malayattur
14	LT 3 phase liine to Parkuthu	8-524/88 FC	12.09.89	KSEB	0.240000	Kothamangala m
15	SP line to Areeswaram temple	8-475/89 FC	13.12.89	KSEB	0.020000	Trichur
16	Nedumboi sub-station	8(B)-(4)6/89 FC(S)	26.12.89	KSEB	0.113000	Wayanad N
17	Valve, generator, Peppara Project	8(B)-8-1/89 FC (S)	18.01.90	KSEB	0.630000	Trivandrum
18	Borewell and pipeline Kadakkamon Depot	8(B)-(7)4/89 FC (S)	05.02.90	C.Ground Water Board	0.012000	Punalur
19	Drinking Water Supply, Moozhickal	8(B)-(7)5/89 FC (S)	22.02.90	KWA	0.365000	Thekkady WL
20	LT Line to Kochadappupara	8(B)-(4)7/89 FC (S)	23.02.90	KSEB	0.080000	Trivandrum

21	Drinking Water Supply, Thenmala	8(B)-(7)8/89 FC (S)	23.02.90	TML Panchayat	0.261000	Thenmala
22	LT kine Illithode-Mulamkudi	8(B)-(4)8/89 FC (S)	06.04.90	KSEB	0.450000	Malayattur
23	ANERT Wind Project	8(B)-(13)1/89 FC (S)	23.04.90	ANERT	0.054000	Palakkad-Trivandrum
24	Pipeline in Kakkinad Tribal Sett.	8-233/88 FC	08.05.90	PHED	0.020000	Trichur
25	St.Thomas Ch. Burial ground, Thevarmalai	8(b)(XV)-4(90) FC (S)	25.07.90	Revenue	0.400000	Ranni
26	11 KV line Konni-Manneera	8(B)-(4)3/89 FC (S)	13.09.90	KSEB	0.035000	Konni
27	Hospital Kannoth	8(B)-8/90 FC (S)	09.01.91	Rural Devp. Dept.	0.404000	Kannur
28	Extension of pre-Act lease	8(B)(1)-3/90 FC(S)	28.01.91	T.P.Kuriakose, MLTR	0.016000	Malayattur
29	Approach road, Manakayam	8(B)-9/90 FC(S)	31.01.91	PWD	0.084000	Ranni
30	Weir across Odakunnu at Dhoni	8(B)-(1)1/90 FC(S)	14.08.91	MID Palakkad	0.033000	Palakkad
31	Pumphouse, Varandarapalli	FCA/11.2/IP/KER	20.08.91	Irrigation Dept.	0.010000	Chalakydy
32	Trichur-Shoranur Road (Velloor Feeder)	FCA/11.2/3-RC/KER	20.08.91	PWD	0.062000	Trichur
33	Ambalapad Vanitha Vyavasaya Sangham	FCA/12.2/5-BC/KER	08.10.91	Vanitha Sangham	0.080000	Trichur
34	UFH set Kerala Police, Meenimparamala	FC(A)11.2/2/KER	22.09.92	Kerala Police	0.120000	Nemmara
35	Renewal of pre-Act lease, Telecom	FCA11.2/1/TC/KER	23.09.92	Telecom	0.006000	Trichur
36	LT Line, Kothamangalam	FCA11.2/TL/KER	23.09.92	KSEB	0.051000	Kothamangalam
37	Telephone line 5star estate, Chalakydy	FCA11.2/3/KER	08.02.93	Telecom	0.032000	Chalakydy
38	LT line to Venniyani Amb.colony, Kthm	FCA11.2/12/TL/KER(121)	11.02.93	KSEB	0.771000	Kothamangalam
39	UHF Stn Police, Peramkottamala, Tvm.	FCA11.2/KE R/52/FC(194)	26.04.93	Kerala Police	0.120000	Trivandrum
40	Laying UG cable from Illithode to Maramuri	FCA/11.2/KE R/53/TL(195)	23.02.94	Telecom	0.350000	Malayattoor
41	Telephone line MTR	FCA11.2/KE R/53/TL(195)	23.02.94	Telecom	0.350000	Malayattur
42	Road to Ind.Devpt.Area Palakkad	FCA11.2/KE R/63/RC(243)	14.02.95	DIC Palakkad	0.002000	Palakkad

43	Vilakkuvattom CSI Church	FCA11.2/KE R/59/Misc.	26.07.95	CSI	0.404000	Punalur
44	3P line Kothamangalam	FCA11.2/KE R/65/TL(246)	18.08.95	KSEB	0.045000	Kothamangalam
45	LiftIrrigation, Thayyur, Trichur	FCA11.2/KE R/64/IP/244	30.08.95	Irrigation Dept.	0.088000	Trichur
46	Footbridge, Kodenchery Panchayat	FCA11.2/KE R/62/Misc.	24.06.96	Panchayat	0.100000	Kozhikode
47	LV line Tholpetti- Anappara	FCA11.2/KE R/70/TL(266)	08.08.96	KSEB	0.980000	Wayanad N
48	Causeway at Kakathode	FCA11.2/KE R/77/RC/303	13.01.97	Dstt. Admn. PTHA	0.143000	Konni
49	Temporary shops Sabarimala Route	FCA11.2/KE R89/Misc.	10.10.97	KFD	0.463000	Ranni
50	Sand for Travancore DB	FCA16.1/59/ KER/MIN	23.10.97	TDB	0.403000	Ranni
51	Telephone line, Cheenikuzhi Coupe road	FCA11.2/81/ KER/TC	24.03.98	Telecom	0.111000	Kothamangalam
52	Microwave Station, Telecom Laha	F(C)A/11.2/K ER/89/IC	18.05.98	Telecom	0.202000	Ranni
53	DWS Vellikulangara, Chalakydy	FCA11.2/KE R/55/DWS	10.06.98	KWA	0.271000	Chalakydy
54	Sewage treatment plant Sabarimala	FCA11.2/82/ KER/Misc.	26.11.98	TDB	0.423000	Thekkady WL
55	Collection of sand from Chalakydy River	F(C)A/11.2/8 9/KER/SBQ/ MIN	22.01.99	KFD	0.950000	Chalakydy
56	Kavarampilly Panchayat Lift Irrigation	FCA11.2/99/ KER/IP	27.05.99	Panchayat	0.236000	Vazhachal
57	Electric line to Nayattukundu Col.	FCA11.2/88/ KER/TL	17.11.99	KSEB	0.510000	Chalakydy
58	Checkdam at Kunnar	FCA16.1/KE R/Misc/88	02.02.00	TDB	0.200000	Thekkady WL
59	Electric line Anchal	FCA11.2/100 /KER/TL/465	29.05.00	KSEB	0.018000	Punalur
60	Anamala-Periachola Road	FCA11.2/103 /KER/RC	19.09.00	KFD	0.030000	Nemmara
61	Underground cable Meehad Range	11-9/98-FC	16.10.00	Telecom	0.088000	Trichur
62	Water supply to Thekkumkara Panchayat	FCA11.2/104 /KER/Misc	10.01.01	Panchayat	0.049000	Trichur
63	Bridge at Edathara Kattachikadavu	FCA11.2/105 /KER/3304	10.01.01	PWD	0.049000	Konni
64	Gas Pipeline Kavasseri	FCA11.2/99/ KER/Misc	15.02.01	Petronet	0.758000	Trichur

65	Lower meenmutty SHEP	F(C)A/11.2/107/KER/HEP/36679	22.02.01	KSEB	0.265000	Trivandrum
66	DWS Malampuzha Panchaya, Palakkad	FCA11.2/98/KER/DWS/3795	02.03.01	Panchayat	0.095000	Palakkad
67	Electric Transmission line, Malayattur	FCA11.2/94/KER/TL/4021	27.03.01	KSEB	0.148000	Malayattur
68	AR Water Supply scheme to Koodal & Enadimangalam	FCA11.2/4/DW/KER/4022	27.03.01	KWA	0.012000	Punalur
69	Water Supply, Madakkathara Panchayat	F(C)A/11.2/102/KER/DWS/350	20.05.01	KWA	0.238000	Thrissur
70	Electricline, Palode	F(C)A/11.2/109/KER/1265	20.09.01	KSEB	0.078000	Trivandrum
71	11 KV line Konni	F(C)A/11.2/111/KER/TL	04.01.02	KSEB	0.825000	Konni
72	Peppara SHEP	F(C)A/11.2/1/BC/KER/275	10.05.02	KSEB	0.300000	Trivandrum
73	UG Cable, Nilakkal	GO(Rt)No206/02	06.07.02	KSEB	0.033000	Ranni
74	Laying underground pipeline	GO(Rt)No207/02/F&WLD	06.07.02	KWA	0.011000	Kothamangalam
75	Mundakkayam-Koruthodu Road	F(C)A/11.2/114/KER/RC/793	19.07.02	PWD	0.857000	Kottayam
76	Bridge at Vellilappara	F(C)A/11.2/115/KER/RC/1296	30.09.02	PWD	0.700000	Chalakydy-Vazhachal
77	Cheristream	FCA/11.2/119/KER/HEP/980	12.08.03 28.10.03	KSEB	0.060000	Kottayam
78	Footbridge in Keezhayam	F(C)A/11.2/112/KER/Misc	19.05.04	BDO	0.029700	Punalur
79	Intake arrangements at Kallar	F(C)A/11.2/124/KER/Misc/652	22.06.04	KWA	0.042025	Ranni
80	Kinginithode-Pothumattam Road	F(C)A/11.2/118/KER/RC/6	23.06.04	Panchayat	0.180000	Kothamangalam
81	Microwave Tower at Vythiri	F(C)A/11.2/122/KER/1007	21.07.04	Escotel Mobile	0.040000	South Wayanad
82	Road link between Chalakydy and Vazhachal	No.F(C)A/11.2/127/KER/RC/1220	16.08.04	PWD	0.582000	Vazha & Chalakydy
83	Kannavam Police Stn.	F(C)A/11.2/121/KER/Misc	08.09.04	Police Dept.	0.109200	Kannur

84	Underground electric cable in Cherukara	GO(Rt)No.61/05/F&WLD	29.01.05	KSEB	0.012000	Punalur
85	underground low tension cable through existing comp road	G.O.(Rt)No.62/05/F&WLD	29.01.05	KSEB	0.021000	Punalur
86	under ground electric cable in Agasthyamala Biosphere reserve.	G.O.(Rt)No.145/05/F&WLD	15.03.05	KSEB	0.121000	Thiruvananthapuram
87	underground electric cable in the habitat of Nedumpacha area	GO(Rt)No:160/05/F&WLD	21.03.05	KSEB	0.071700	Punalur
88	electric line to the forest settlement in Nathikal in Anchal Range	GO(Rt)No.220/05/F&WLD	06.04.05	KSEB	0.104000	Punalur
89	construction of check dam across chittar river at Kundalamkuzhy	GO(Rt)No.222/05/F&WLD	07.04.05	Peringamala Grama Panchayath	0.048000	Thiruvananthapuram
90	underground cable to Kadamanpara settlement	GO(Rt)No:314/05/F&WLD	06.06.05	KSEB	0.024000	Thenmala
91	construction of well-cum pump house at Palavanpady	G.O(Rt)No.315/05/F&WLD	06.06.05	Grama Panchayath	0.020200	Malayattoor
92	Jawahar Navodaya Vidyalaya. Construction well-cum pump house and water supply line	GO(Rt)No:332/05/F&WLD	14.06.05	Jawahar Navodaya Vidyalaya	0.023000	Trivandrum
93	underground cable to Villumala Perankovil settlement	GO(Rt)No:359/05/F&WLD	25.06.05	KSEB	0.012000	Thenmala
94	Overhead electric line through forest area in Kuttichal Grama Panchayath	G.O.(Rt)No:384/06/F&WLD	11.07.05	KSEB	0.193600	Trivandrum
95	Kariyathanpara Water Supply Scheme	G.O.(Rt)No:468/05/F&WLD	27.08.05	Team leader cost ford Koorachundu	0.025300	Kozhikode
96	Sangamam Water Supply Scheme	G.O.(Rt)No:510/05/F&WLD	19.09.05	team leader cost for, KRWSS Koorachundu	0.002730	Kozhikode
97	swimmiing Pool developed in Nanniyode Grama Panchayath	G.O.(Rt)no:596/05/F&WLD	01.10.05	Grama Panchayath	0.009060	Trivandrum
98	Electrification of Nilakkal base camp.*	G.O.(Rt)No:618/05/F&WLD	16.11.05	KSEB	0.210000	Ranni

99	Checkdam across Chittar river	G.O.(Rt)No:662/05/F&WLD	07.12.05	TBGRI	0.000413	
100	Electrification of Vellaram Padam Chettichira ara	G.O.(Rt)No>668/05/F&WLD	08.12.05	KSEB	0.185000	Chalakydy
101	Electrification of Onthupacha Thakaraman Area	G.O.(Rt)No:3/06/F&WLD	02.01.06	KSEB	0.006500	Punalur
102	Electrification of Valiyarappacha	G.O.(Rt)No:4/2006/F&WLD	02.01.06	KSEB	0.004000	Punalur
103	Under ground cable through forest area in Vazhachal division, Sholayar range.	G.O.(Rt)No:80/06/F&WLD	08.02.05	KSEB	0.008000	Vazhachal
104	Drinking Water facilities in 4 tribal colonies	G.O.(Rt)No:228/06/F&WLD	15.05.06	Grama Panchayath	0.061500	Vazhachal
105	Electrification of church building at Myckamon in Pathanapuram	G.O(Rt)No.300/05/F&WLD	10.07.06	KSEB	0.004000	Punalur
106	CSI Church, Vilakkuvettam	F©A/11.2/KE R/59/Misc	10.08.06	Bishop CSI Church	0.404000	Punalur
107	Chalakydy-Vazhachal Road			PWD	0.210000	
108	Chalakydy-Vazhachal Road			PWD	0.372000	
109	Diversion of 0.027 ha of forest land for laying underground pipelines to provide drinking water facilities in Ranni Division.	GO(Rt)No:349/2006/F&WLD	19.08.06	Perunad Grama Panchayath	0.027000	Ranni
110	Diversion of 0.01155 ha of forest land in Goodrical Forest Range for laying underground cable extension of electric line to Nalpathekkar Tribal settlement in Ranni Division.	G.O.(Rt)No:442/06/F&WLD	31.10.06	KSEB	0.011550	Ranni
111	Jalanidhi project in Sholayar Grama Panchayat	GO(Rt)No.453/06/F&WLD	02.11.06	Sholar Grama Panchayat	0.500000	Mannarghat

112	Diversion of 0.146 ha of forest land for laying underground line to provide drinking water facilities in Ranni Division under the Nilakkal Swajaldhara Project.	GO(Rt)No:46 8/06/F&WLD	08.11.06	Perunad Grama Panchayath	0.046000	Ranni
113	Diversion of 0.54 ha of forest land for laying underground cable for Telecommunication in Ranni Division.	G.O(Rt)No:4 72/06/F&WLD	13.11.06	BSNL	0.540000	Konni
114	Diversion of 0.0012 ha of forest land for laying underground electric cable in Padavamppara Ezhuvattoor area	G.O(Rt)No:4 76/06/F&WLD	14.11.06	KSEB	0.001200	Punalur
115	Construction of a permanent school building at Gavi in favor of Seethathode Grama Panchayat	G.O.(Rt)No:5 31/06/F&WLD	16.12.06	Seethathode Grama Panchayat	0.020300	Ranni
116	For drawing electric line through 1969 Teak plantation	G.O.(RT)No: 554/06/F&WLD	27.12.06	KSEB	0.092000	South Wayanad
117	Drinking water facilities at Tirunelly Panchayath	G.O.(Rt)No:5 58/2006/F&WLD	30.12.06	Kerala Water Authority	0.085000	North Wayanad
118	For School building Pulpalli gramma panchayath	GO(Rt)560/0 6/F&WLD	30.12.06	Pulpally Grama Panchayath	0.030000	South Wayanad
119		GO(Rt)No.15 /07/F&WLD	09.01.07	KSEB	1.050000	Kozhikode
120	Laying UG cable Chalakayam Pampa road	4-KLB 292/07/BAN	27.02.07	KSEB	0.195000	
121	Microwave Tower at GAVI	4-KLB 274/07/BAN	11.05.07	BSNL	0.120000	
122	For drinking water facilities	GO(Rt) No. 211/08/KFD	21.04.08	KFDC	0.078000	
123	Construction of well-cum pump house at Palavanpady			Kuttampuzha GP	0.020200	Thrissur
124	Electrification of Velamplavu Tribal Colony	4KLB 328/2007- BAN/2825	14.08.08	KSEB	0.353500	
125	Electrification of Chelikkuzhi Tribal Colony	GO(Rt) No 544/2008/F&WLD	06.11.08	KSEB	0.040000	Ranni

126	Electrical cable for Micamen area in Peravanthoor	GO(Rt)No. 508/08/F&WLD	18.10.08	KSEB	0.000800	
127	Electrification of Chozhiyakode Company kunnu area	Go(MS)no. 512/2008/F&WLD	20.10.08	KSEB	0.004200	Punalur
128	Electrification of Cherukarakani Tribal Settlement	GO(Rt) No. 3631/2008/F&WLD/23.12.2008	23.12.08	KSEB	0.325000	
129	Electrification of Attumampuram ST Settlement colony	GO(Rt) No. 403/2008/F&WLD	31.07.08	KSEB	0.525000	
130	Kakkadumpoyil SC/ST Colony	GO(Rt) No. 602/2008/F&WLD	09.12.08	KSEB	0.036000	
131	Construction of General Water Tank at Karayalar metu	GO(Rt) No. 345/2008/F&WLD	10.06.08	KWA	0.013100	
132	Electrification of kurumbanmoozhi-manakayam Tribal colony	GO(Rt)No. 302/2008/F&WLD	03.07.08	KSEB	0.949500	Ranni
133	Electrification of mukkalampadu area in Chaliakkara region	GO(Rt) No. 513/2008/F&WLD	20.10.08	KSEB	0.010000	
134	Electrification of Kakkaponnu area	GO(Rt) No. 458/2008/F&WLD/18.09.2008	18.09.08	KSEB	0.011800	
135	Anakkulam - Onthaupacha road	GO(Rt)No. 80/2008/F&WLD	11.02.08	BSNL	0.315000	Punalur
136	Drinking water supply scheme in KFDC Estate	GO(Rt) No. 211/2008/F&WLD	21.04.08	KWA	0.078000	
137	Laying OFC for electrification in Elappacode Tribal colony	GO(Rt) No. 621/2008/F&WLD	19.12.08	KSEB	0.040000	Ranni
138	Thottiyar Hydro Electric Project	4KLB 090/2005/BAN/5155	14.07.09	KSEB	0.999600	Munnar
139	Electrification of vilongady ot Polanna in Padiri Reserved forest	GO(Rt) No. 380/2009/F&WLD	13.08.09	KSEB	0.300000	
140	Construction of buliding for Government. College, Munnar	4KLB 533/2008-BAN/473	09.06.09	Education Dept	1.000000	Munnar
141	Electrification of resid building of jacob kuriakose	4KLB 654/2009-BAN/5384	21.08.09	KSEB	0.007020	Ranni

142	Installation of Telecom Tower by BSNL & UG cable by EB at Vazhachal & Athirappally	4KLB 645/2009- BAN/5663	18.09.09	BSNL	0.002000	Vazhachal Division
143	Installation of Telecom Tower by BSNL & UG cable by EB at Vazhachal & Athirappally	4KLB 644/2009- BAN/5664	18.09.09	KSEB	0.012000	Vazhachal Division
144	Installation of Telecom Tower by BSNL & UG cable by EB at Vazhachal & Athirappally	4KLB 643/2009- BAN/5677	23.09.09	KSEB	0.012000	Vazhachal Division
145	Installation of Telecom Tower by BSNL & UG cable by EB at Vazhachal & Athirappally	4KLB 642/2009- BAN	25.09.09	BSNL	0.002700	Vazhachal
146	Electrification of Thachacodu in Piravanthoor	4KLB 187/2006- BAN/5927	29.10.09	KSEB	0.004800	Punalur
147	Electrification of Kuryanayam colony	GO(Rt) No. 522/09/F&W LD	10.11.09	KSEB	0.004000	Ranni
148	Electrification of Njanduthodu colony	GO(Rt) No. 523/09/F&W LD	10.11.09	KSEB	0.029000	
149	Diversion of CSI church vilakkuvettor for burial ground	F(C)A/11.2/K ER/59/Misc	18.11.09		0.404000	
150	Electrification of resid building of Kurain Mathew	GO(Rt)No. 465/2010/F& WLD	13.04.10	KSEB	0.005400	
151	Electric Cable for Vegola Chathup SC Colony	4KLB 636/2009/BA N/704	29.04.10	KSEB	0.029000	
152	Maintenance Nachavayal canal	4KLB 695/2010- BAN/7771	13.08.10	Irrigation Dept.	0.071200	
153	Electrification of Kumarankudy Estate	GO(Rt) No. 517/2010/F& WLD	02.12.10	KSEB	0.292000	
154	Laying of UG Cable Kadamancodu, Kuthirikutty Chathupu	GO(Rt)No. 532/2010/F& WLD	15.12.10	KSEB	0.006000	
155	Electrification of Karikkom Chathup SC Colony	GO(Rt)No. 385/2011/F& WLD	24.08.11	KSEB	0.131000	
156	Construction of Melapadam Bridge	4- KLB563/09/ BAN/9634	29.08.11	PWD	0.147400	Nilambur N

157	Electrification of Vellilamparappu area	GO(Rt)No. 436/2011/F&WLD	29.09.11	KSEB	0.011800	
158	Electrification of Kelankavu Dharbhapana	GO(Rt)No.52 2/2011/F&W	07.12.11	KSEB	0.004200	
159	Electrification of Kambancodu Chathup in Karumpuzha Grama Panchayath	GO(Rt)No. 35/2012/F&WLD	19.01.12	KSEB	0.013000	
160	Electrification of Udumbannur-Vannappuram	GO(Rt)No. 38/2012/F&WLD	20.01.12	KSEB	0.140000	Kothamangalam
161	Thrikkalathur - Veetoor Road	GO(Rt)No.17 4/2012/F&WLD	29.03.12		0.192000	Malayattoor
162	Electrification of Arancode in Kannamkundu	4-KLB 811/2011-BAN/1266	29.05.12	KSEB	0.005625	Nilambur N
163	Erect 45 Solar lamps in Bhoothankettu - Vadattupara, Pandaram city-Chakkimedu	GO(Rt)No.40 6/2012/F&WLD	07.08.12	KSEB	0.001620	Malayattoor
164	Maintenance of kinginithodu-Pothumattom Road	GO(Rt)No. 430/2012/F&WLD	24.08.12	PWD	0.180000	Kothamangalam
165	Laying OFC by BSNL in Kondazhy-Kayampooam	GO(Rt)No. 444/2012/F&WLD	07.09.12	BSNL	0.018000	
166	Kanamala Bridge in Erumeli Pampa Road	4-KLB 771/2011-BAN/186	21.09.12	PWD	0.542000	Ranni
167	Construction of new river guage station at Vettilappara under Hydrology section, Chalakkudy	GO(Rt)No.23 1/2013/F&WLD	19.06.13		0.008100	Chalakkudy
168	Electrification of residence of Sri. Abdul Vaheed, Chithara Village	GO(Rt)No. 294/2013/F&WLD	20.08.13	KSEB	0.002940	Punalur
169	Construction of Panickankudi-Kombodinjal-Ponmudi Road (Beenamol)	4-KLB898/12/BAN/4019	20.08..13	PWD	0.086400	Munnar
170	Construction of 11 KV on line from Neduvannurkadavu toKattilappara	GP(Rt)304/13 /F&WLD	21.08.13	KSEB	0.960000	Thenmala
171	Electrification line to Ambedkar ST Colony	GO(Rt)306/1 3/F&WLD	21.08.13	KSEB	0.015500	Trivandrum

172	Electrification of Sivapuram Harijan Colony	GO(Rt)No.32 1/13/F&WLD	30.08.13	KSEB	0.018000	Punalur
173	Construction of weir across river Kallar	GO(Rt)No. 384/2013/F&WLD	03.09.13	KWA	0.047900	Ranni
174	Drawing electric line in Sasthanada SC Colony	GO(Rt)No.45 4/2013/F&WLD	16.11.13	KSEB	0.065000	Trivandrum
175	Electrification of Mruthumoodu Chathup SC Colony	GO(Rt)No. 475/13/F&WLD	26.11.13	KSEB	0.003100	Punalur
176	Widening and improvement of hairpin curves of Ghat Stretch NH 212	KLB 927/2013- BAN/4737	22.01.14	PWD	0.919680	Kozhikode
177	Drinking water pipeline to Kanakamala Kurishumudy church	GO(Rt)93/20 14/F&WLD	26.02.14	BDO Kodakara	0.801600	Chalakkudy
178	Construction of check dam at Pillathode	GO(Rt)114/2 014/F&WLD	11.03.14	BDO, Kodakara	0.200000	Chalakkudy
179	Installing River gauge post in Kuranpuzha river near Valathode at Nilambur	GO(Rt)No. 123/14/F&WLD	13.03.14	KSEB	0.000003	Nilambur (N)
180	Stringing LT Power line along forest at Pandi, Arthiya road in Delampady Panchayath	GO(Rt)223/2 014/F&WLD	26.05.14	KSEB	0.024000	Kasaragod
181	Electrification of Mulappuram Koottakallu area	GO(Rt) No. 301/2014/F&WLD	01.07.14	KSEB	0.411900	Kothamangalam
182	Electrification of Sri. Chandraguptha pillai at Kulatharkaitha	GO(Rt)No.36 8/2014/F&WLD	13.08.14	KSEB	0.060000	Thiruvananthapuram
183	Electrification of Pezhumoodu area in Piravanthoor GP	GO(Rt)No.38 2/2014/F&WLD	18.08.14	KSEB	0.015200	Punalur
184	Drawing electric line in Kulathumon temple			KSEB	0.030000	Konni
185	Laying UG cable for electrification of Meervila area in Kadassery	GO(Rt) Nodal Officer.442/2 014/F&WLD	26.09.14	KSEB	0.036000	Punalur
186	Construction of electric lines in Appoopanthode	GO(Rt) 448/2014/F&WLD	29.09.14	KSEB	0.320000	Konni
187	Construction of electric line in Thattakudy Church In Naduvathumoozhi	GO(Rt)No. 449/2014/F&WLD	29.09.14	KSEB	0.020000	Konni

188	Electrification of Achancoovil Pallivasal area	GO(Rt)491/2014/F&WLD	21.10.14	KSEB	0.800000	Achenkovil
189	Pipeline along the side of PWD road passing through forest land in Muliya Panchayath	GO(Rt)489/2014/F&WLD	21.10.14	PWD	0.105000	Kasaragod
190	Electrification of Mallampara Colony in Delampady Pachayath	GO(Rt)No.490/2014/F&WLD	21.10.14	KSEB	0.017500	Kasaragod
191	Laying 11 KV UGC along forest road from Vilakkumaram	GO(Rt)No.550/14/F&WLD	25.11.14	KSEB	0.280000	Thenmala
192	Electrification of Mullumala chathup area	GO(Rt)No.594/2014/F&WLD	18.12.14	KSEB	0.001120	Konni
193	Electrification of Vadakkumala ST colony in East Eleri Panchayath under RGGVY Scheme	GO(Rt)No.2/2015/F&WLD	06.01.15	KSEB	0.112000	Kasaragod
194	Laying UG cable electrification of Vellaraikaya area Adoor Reserve Forest area	GO(Rt)64/2015/F&WLD	12.02.15	KSEB	0.043800	Kasaragod
195	Laying Electric line along the side of Meempatty-Mulakuthottah Road in Pasukkadv section of Kuttiyady Range	GO(Rt)63/2015/F&WLD	12.02.15	KSEB	0.021000	Kozhikode
196	Providing drinking water facilities in Painav in Nagarampara Range	GO(Rt)No.167/2015/F&WLD	20.04.15	KWA	0.040000	Kottayam
197	Diversion of joint water supply scheme in Nanniyode and Anad GP	GO(Rt)190/2015/F&WLD	06.05.15	Nanniyode GP	0.039000	Thiruvananthapuram
198	Laying of pipeline along the side of PWD road in Muliya Panchayath	GO(Rt)193/2015/F&WLD	11.05.15	KWA	0.175000	Kasaragod
199	Diversion of forest land in drawing electric lines in respect of electrification of Olippara - Varikkamattom	GO(Rt)404/2015/F&WLD	03.09.15	KSEB	0.334500	Kothamangalam
200	Diversion of forest land for laying UG cable in respect of electrification of Mannookkad SC colony	GO(Rt)405/2015/F&WLD	03.09.15	KSEB	0.108000	Kothamangalam
201	Diversion of forest land for providing 11 KV UG electric feeder for BSF Camp Kainoor	GO(Rt)407/2015/F&WLD	03.09.15	KSEB	0.019250	Thrissur

202	Diversion of forest land for laying 12" dia cross country LPG pipeline from Kochi (Refinery) to Palakkad (Kanjikode) connecting Udayamperoor to IOC plant	4-KLB 1086/2016-BAN/61 (TSR & NMRA) 4-KLB 1086/2016-BAN/1259	18.04.16 01.01.18	KSPPL	0.758000	Thrissur (0.1446) Nenmara 0.138) Peechi WL (0.4754)
203	Diversion of forest land of Kacherikadavu bridge	4-KLB 1009/2014-BAN/1002	10.11.16	PWD	0.284500	Chalakydy
204	Diversion of forest land for establishing 8 MW Anakampoil HEP at Kozhikode	4-KLB 1085/2016-BAN/2039	01.02.17	M/s Anakampoil Power Pvt Ltd.	0.250000	Kozhikode
205	Diversion of forest land for electrification of Kuzhimattom area of Udumbanoor GP	GO(Rt)No.72 /2017/F&WLD	27.02.17	KSEB	0.054000	Kothamangalam
206	Diversion of forest land for reconstruction of Murugan Panchal Bridge	GO(Rt)No.14 6/2017/F&WLD	12.04.17	PWD NH sub division	0.016000	Thenmala
207	Diversion of forest land for reconstruction of Kazhuthurutty Brdige	GO(Rt)No.14 5/2017/F&WLD	12.04.17	PWD NH sub division	0.018000	Thenmala
208	Diversion of forest land for electrification of Variyathukadu area	GO(Rt)No.15 5/2017/F&WLD	22.04.17	KSEB	0.011100	Thrissur
209	Diversion of forest land for providing service connection in favour of Sri. Raveendran Kani, Elavupalam, Thannimoodu, Ex-colony	GO(Rt)No.20 0/2017/F&WLD	27.05.17	KSEB	0.008000	Trivandrum
210	Diversion of forest land for laying UG OFC for Reliance Jio Ltd.	GO(Rt)No.38 3/2017/F&WLD	11.10.17	Reliance Jio Info com	0.020000	Munnar
211	Diversion of forest land for providing service connection in favour of Sri. Balakrishnan, Kumbalakode area	GO(Rt)398/2 017/F&WLD	21.10.17	KSEB	0.021500	Thrissur
212	Diversion of forest land for UG cable for 11 KV line from Neeliplavu to Thannithode	GO(Rt)No.39 9/2017/F&WLD	21.10.17	KSEB	0.064000	Ranni
213	Diversion of forest land for cnstruction of Ponmudi Police Station	GO(Rt)No.40 8/2017/F&WLD	28.10.17	Dist. Police Chief, TVM	0.202343	Thiruvananthapuram

214	Diversion of forest land for service connection to Sri. Rajan, Thrissur	GO(Rt)No.41 1/2017/F&W LD	28.10.17	KSEB	0.019080	Thrissur
215	Diversion of forest land for Malakkappara Police Station	GO(Rt)No.41 4/2017/F&W LD	30.10.17	Dist. Police Chief, TSR (Rural)	0.072850	Vazhachal
216	Diversion of forest land for improvement of Vellanad-Chettachal road	GO(Rt)No.52 4/2017/F&W LD	30.12.17	Road Infrastructure Company Kerala Ltd.	0.320000	Trivandrum
217	Diversion of forest land to Joseph Kurian to Irrigation Canal	F(C)A/11.2/1 16/KER/IP/1 261	01.01.18	Sri. Joseph Kurian	0.172000	NSC Kalady
218	Diversion of forest land for widening of two lane NH into six lane from Vadakkenchery to Mannuthy	GO(Rt)No.15 /2018/F&W LD	09.01.18	NHA1	0.082000	Thrissur
219	Diversion of forest land for electrification of Velookara area of Udumbanoor GP	GO(Rt)no.27 8/2018/F&W LD	14.06.18	KSEB	0.865200	Kothamangalam
220	Diversion of forest land for electrification of Channamala SC Colony in Kulathupuzha	GO(Rt)No.28 5/2018/F&W LD	19.06.18	KSEB	0.028000	Thiruvananthapuram
221	Diversion of forest land for electrification of Mokkuvally area in Thodupuzha	GO(Rt)No.30 1/2018/F&W LD	25.06.18	KSEB	0.077000	Kothamangalam
222	Diversion of forest land for electrification of Cheenikala SC Colony in Anchal	GO(Rt)No.30 2/2018/F&W Ld	25.06.18	KSEB	0.070000	Punalur
223	Diversion of forest land for electrification of Kochukoottakallu area of karimannoor GP	GO(Rt)No.30 3/2018/F&W Ld	25.06.18	KSEB	0.122400	Kothamangalam
224	Diversion of forest land for electrification of Thazhethotty area of Karimannoor GP	GO(Rt)No.30 5/2018/F&W LD	25.06.18	KSEB	0.012900	Kothamangalam
225	Diversion of forest land for electrification of Smt. Kala, Prayag at Perumthoyil	GO(Rt)No. 306/2018/F& WLD	25.06.18	KSEB	0.002100	Punalur

226	Diversion of forest land for electrification of Manayathadam area in Thodupuzha	GO(Rt)no.311/2018/F&WLD	28.06.18	KSEB	0.070000	Kothamangalam
227	Diversion of forest land for stringing 1.8 KM ABC in Pazhayanoor and Elanad	GO(Rt)No.312/2018/F&WLD	28.06.18	KSEB	0.180000	Thrissur
228	Diversion of forest land for electrification of Kaithapara area in Thodupuzha	GO(Rt)No.317/2018/F&WLD	29.06.18	KSEB	0.073500	Kothamangalam
229	Diversion of forest land for electrification of Vattakkarikakam Colony in Kulathupuzha	GO(Rt)No.318/2018/F&WLD	29.06.18	KSEB	0.007350	Thiruvananthapuram
230	Diversion of forest land for the construction of Kulamavu Police Station in Idukki	4-KLB 693/2010/BA N/465	03.07.18	SP, Idukki	0.950000	Kothamangalam
231	Diversion of forest land for Smt. Baby	GO(Rt)No.50/2019/F&WLD	08.02.19	KSEB	0.022000	Thiruvananthapuram
232	Diversion of forest land for providing service connection to Sri. Shaju	GO(Rt)No.68/2019/F&WLD	16.02.19	KSEB	0.120100	Thiruvananthapuram
233	Diversion of forest land for Kommery Kunju veedu Colony road	GO(Rt)No.71/1029/F&WLD	19.02.19	PWD	0.204600	Kannur

234	Diversion of forest land for Sri. Prasad K.	GO(Rt)No. 79/2019/F&WLD	20.02.19	KSEB	0.008000	Thiruvananthapuram
235	Construction of Vadakkumpadam Thampurattiparabu road	F.No. KLB1201/2019-BAN/1821	23.03.20	Pananchery GP	0.540000	Thrissur
236	Diversion of forest land for water scheme for seethathode Panchyath	F.No. 4-KLB 1230/2020/BAN/645 GO(Rt)No. 265/2020/F&WLD	24.09.20 22.10.20	KWA	0.200000	Ranni
237	Diversion of forest land for Hill Highway, Cherupuzha to Kolachal	GO(Rt)No. 56/2021/F&WLD	20.02.21	PWD	0.641480	Kasaragod
238	Diversion of forest land for weir in the upstream (Anakkulam stream at Kozhiyilakuthu)	GO(Rt)No.69/2021/F&WLD	26.02.21	ABG Engineering Pvt. Ltd.	0.998000	Mankulam
239	Diversion of forest land for concreting Blavanakadavu-Kunchippara road	GO(Rt)No. 75/202/F&WLD	02.03.21	District Panchyat, Ernakulam	0.352500	Malayattoor
240	Diversion of forest land	GO(Rt)No.	20.03.21	Police	0.012160	Thrissur
241	Diversion of forest land for providing drinking water in Kodassery KIIFB	GO(Rt)No. 136/2021/F&WLD	28.04.21	KWA	0.114300	Chalakkudy

242	Diversion of forest land for 33 SC line from Puthukad to Pulikkany Thrissur	GO(Rt)No. 138/2021/F&WLD	30.04.21	KSEB	0.120000	Chalakkudy
243	Diversion of forest land for DMR Tier III Nenmara	GO(Rt)No. 168/2021/F&WLD	08.06.21	Police	0.020300	Nenmara
244	Diversion of forest land for implementation of Upper Shengulam SHEP	F.No. 4-KLB1180/2019/BAN/269	16.07.21	KSEB	0.950000	Munnar
245	Diversion of forest land for the construction of bridge to the Vellarikaya Tribal colony	GO(Rt)No. 60/2022/F&WLD	21.02.22	Delampady GP	0.006300	Kasaragod
246	Diversion of forest land for the purpose of Poovadka- Adukkamthotty - Nellithattu road	GO(Rt)No. 83/2022/F&WLD	06.03.22	Karadla GP	0.270000	Kasaragod
247	For providing drinking water under JJM 3 applicants in Melakode GP	GO(Rt)No. 117/2022/F&WLD	21.03.22	KWA	0.000900	Nenmara
248	Construction of bridge at Malampuzha Ring Road	GO(Rt)No. 280/2022/F&WLD	02.07.22	PWD	0.264000	Palakkad
249	Construction of bridge at Avanippara Tribal settlement	F.No. f-KLB1124/2017-BAN/875 GO(Rt)No. 495/2022/F&WLD	02.11.22 11.11.22	Tribal Development Officer, Konni	0.243000	Konni
Total area diverted (less than 1.00 Ha)					48.479399	Ha

Annexure IV

Details of Compensatory Afforestation activities executed in lieu of diversion of forest land since 1980										
Sl. No.	Name of the Project	GoI order	Date	User Agency	Extend of diversion (in Ha)	Forest Division	Area of CA activities executed (in Ha)			
							CA not required	NFL	DFL	Total
1	220 KV line Sabarigiri Trivandrum	8-65/82/FRY(Cons)	09.01.82	KSEB	180.11	Ranni, Konni, Thenmala, Punalur			360.10	360.10
2	110 KV line IDMLR-Chky	8-149/82/FRY (Cons)	22.07.82	KSEB	62	Malayattoor		62.00		62.00
3	110 KV line Pathanamthitta-Kakkad	9-293/82/FRY (Cons)	27.09.82	KSEB	7.238	Ranni		7.40		7.40
4	Lower Periyar Hydrel Project	8-360/82/FRY(Cons)	03.04.84	KSEB	127	Munnar		103.00		103.00
5	Oil Palm India (Lease renewal CA not required)	7-25/80 FRY (Cons)	23.20.83	Oil Palm India Ltd	468.000	Punalur	468.00			468.00
6	Approach Road to Myladi Bridge	8-26/84/FRY(Cons)	03.04.84	PWD	1.1	NBR Spl			2.20	2.20
7	Naval Phys Research Lab Cochin (UWAR) (Lease renewal CA not required)	8-43/83 FRY (Cons)	09.02.84	GOI	7.080	Kothamangalam	7.08			7.08
8	220 KV line Idukki-Udumalpetta	8-494/82-FC	03.06.86	KSEB	180.07	Kottayam, Munnar		180.07		180.07
9	Sabarimala Facilities	8-184/82/FRY(Cons)	30.09.86	TDB	5.34	Ranni, Thekkady			10.68	10.68
10	VSSC, PSLV	8-10/81-FC	04.11.87	VSSC	34.52	Trivandrum		34.46		34.46
11	KSEB diversion channel, Perigalkuthu	8-40/88-FC	18.04.88	KSEB	7.5	Vazhachal		8.00		8.00
12	220 KV line Thrissur-Kozhikode	8-98/87-FC	09.07.90	KSEB	22.4	Thrissur		22.4		22.4
13	220 KV line LP-Kochi	8-284/87-FC	10.07.90	KSEB	16.41	Munnar, Kothamangalam		16.41		16.41

14	221 KV line Idukki-LP	8-8/89-FC	10.07.90	KSEB	25.585	Munnar, Kothamagalam		25.59		25.59
15	66 KV line Thenmala - Idammon	8-220/88-FC	10.07.90	KSEB	14.152	Punalur, Thenmala		14.15		14.15
16	Anakkayam SHEP	8-36/90-FC	19.07.90	KSEB	8	Vazhachal		8.00		8.00
17	400 KV line Udumalpetta- Thrissur	8-107/86-FC	06.08.90	KSEB	12.615	Thrissur		12.62		12.62
18	220 KV line LP-Thrissur	8-8/89-FC	25.08.91	KSEB	11.347	Munnar, Chalakkudy, Vazhachal		11.35		11.35
19	Renewal of lease, KYATKUM	8-8/82/FC	18.08.94	Hyatkum Ltd.	15.15	Trivandrum			30.3	30.3
20	Regularization of pre 1.1.77 encroachments	8-118/86-FC	31.01.95	Revenue	28588	Many			57176	57176
21	DWS at Kottapadi	F(C)A11.2/K ER/DWS/48	13.03.95	PHED	3.357	Malayattoor			6.71	6.71
22	Bhoothathanketty HEP	F(C)A/11.2/1 /HP/KER	14.03.95	KSEB	1.96	Malayattoor		1.96		1.96
23	Karikkayam SHEP	F(C)A/11.2/ KER/66/HP (253)	13.05.96	KSEB	4.93	Ranni		4.93		4.93
24	Ullungal SHEP	F(C)A/11.2/ KER/67/HP(254)	13.05.96	KSEB	1.82	Ranni		1.82		1.82
25	Kuttiyadi Augumentation Scheme	8-27/95-FC	20.08.96	KSEB	223	Wayanad (S)		141.94		141.94
26	220 KV line Panjal-Areacode	F(C)A11.2/K ER/61/TL	17.12.96	KSEB	1.295	Mannarkkad			2.6	2.6
27	Idamalaray Irrigation Project	8-324/88-FC	10.07.97	Irrigation	115.047	Malayattoor		102.11		102.11
28	Widening Chalakkayam - Pamba road	F(C)A11.2/80 /KER/RC	29.07.97	TDB	1.922	Ranni			4.00	4.00
29	Jawahar Navodaya School Idukki	F(C)A/16.1/ KER/BC- 57/51	21.08.98	JNS Idukki	11.7	Kottayam			23.4	23.4

30	DVCR Cochin Airport Nedumbassery	F(C)A/11.2/87/KER/MISC	18.02.99	CIAL	1.987	Kothamangalam		4.00		4.00
31	Athirapalli HEP (Project was not commissioned and area not diverted)	8-12/97/FC	16.12.99	KSEB	138.600	Chalakydy		138.60		138.60
32	Collection of sand from Southern Circle (CA not required)	F(C)A/11.6/KER/MIN/827	20.07.01	KFD	10.452	Trivandrum, Ranni, Thenmala		10.45		10.45
33	Renewal of lease to RPL (CA not required)	8-27/2001-FC	22.04.03	RPL	2,193.770	Punalur		2193.77		2193.77
34	Rehabilitation of Tribals FP/KL/Other/420/2002 (CA not required)	F.No:8-16/2002 FC	06.02.04	State Govt.	7,693.226	Various Divns.		7,693.23		7,693.23
35	Irrigation componenet at Pamba Kakki	KLB-026/2004-BAN	27.12.05	Irrigation	1.4425	Ranni			2.885	2.885
36	Koodamkulam Power Project	4-KLB-187/2006-BAN/2149	31.03.08	PGCIL	1.058				2.12	2.12
37	Thottiyar Hydro Electric Project	4KLB 090/2005/BAN/5154	11.06.07	KSEB	3.813	Munnar			7.63	7.63
38	Koodamkulam Atomic Power Project	F.No.8-47/07-FC	13.01.07	PGCIL	47.702				95.404	95.404
39	Edamon Kochi 400 KV line	4 KLB 333/2007-BAN/4135	24.03.09	PGCIL	1.6238				3.2476	3.2476
40	Perumthenaruvi SHEP	4-KLC 107/2006-BAN/9481	10.08.11	KSEB	6.4795	Ranni		3.00		3.00
41	Widening of NH47 between Vadakkanchery and Thrissur	4-KLC 844/2011-BAN/3408	14.05.13	NHAI	13.95	Thrissur, Peechi			27.9	27.9
42	Diversion of forest land for electrification of Chembanaruvi colony in Mannarappara	4-KLB 070/2005-BAN/1162	13.12.16	KSEB	4.4	Punalur (3.88) Konni (0.52)			8.8	8.8

43	Pottayilludavu Malavaram for Christian National Evangelism	F.No. 4-KLB 906/2012- BAN/627 GO(Rt) No. 330/2021/F& WLD	16.09.21 16.10.21	Christian National Evang. Commissi on	1.13	Palakkad		1.88		1.88
Total										
					40277.15		10511.1277	767.09	57763.97	69042.19

ANNEXURE -V	
Different Forestry Schemes in Operation in Kerala	
1	2406-01-003-97-Human Resources Development
2	2406-01-004-92 Resource Planning & Research
3	2406-01-101-94-Regeneration of denuded forests
4	2406-01-101-81-Forest Protection (34) Other Charges (3) Other Items
5	2406-01-101-80-Non-wood Forest Products including Promotion of Medicinal Plants
6	2406-01-102-86 National Afforestation Programme - National Mission for Green India (60% CSS)
7	2406-01-105-89 Minimum Support Price for Minor Forest Produce (75% CSS)
8	2406-01-800-57-Forest Management Information System and GIS
9	2406-01-800-56 Measures to reduce man-animal conflict
10	2406-01-800-55 Extension, Community Forestry & Agro Forestry (01) Extension Forestry
11	2406-01-800-53 Forest Fire Prevention and Management Scheme (FPMS) (60% CSS)
12	2406-01-800-52 Eco-Tourism - Project Green Grass
13	2406-02-110-68-Conservation of Biodiversity (34) Other Charges
14	2406-02-110-56-Eco-development Programme (State)
15	2406-02-110-48-Zoological Park, Wildlife Protection and Research Centre, Puthur
16	2406-02-110-39 Integrated Development of Wildlife Habitats - Management of Wildlife Sanctuaries (60:40 between Centre & State)
	2406-02-110-39 (01) Neyyar Wildlife Sanctuary
	2406-02-110-39 (02) Wayanad Wildlife Sanctuary
	2406-02-110-39 (03) Idukki Wildlife Sanctuary
	2406-02-110-39 (04) Peechi Vazhani
	2406-02-110-39 (05) Peppara Wildlife Sanctuary
	2406-02-110-39 (06) Shendurney Wildlife Sanctuary
	2406-02-110-39 (07) Chimmony Wildlife Sanctuary
	2406-02-110-39 (08) Aralam Wildlife Sanctuary
	2406-02-110-39 (09) Chinnar Wildlife Sanctuary
	2406-02-110-39 (10) Thattekkad Bird Sanctuary
	2406-02-110-39 (11) Mangalavanam Bird Sanctuary
	2406-02-110-39 (12) Kurinjimala Sanctuary
	2406-02-110-39 (13) Choolannur Peacock Sanctuary
	2406-02-110-39 (14) Malabar Sanctuary


	2406-02-110-39 (15) Kottiyoor Wildlife Sanctuary
	2406-02-110-39 (16) Karimpuzha Wildlife Sanctuary
17	2406-01-110-38 Integrated Development of Wildlife Habitats - Management of National Parks (60:40 between Centre & State)
	2406-02-110-38 (01) Eravikulam National Park
	2406-02-110-38 (02) Silent Valley National Park
	2406-02-110-38 (03) Anamudi National Park
	2406-02-110-38 (04) Mathikettan National Park
	2406-02-110-38 (05) Pampadumshola National Park
18	2406-02-110-37 Integrated Development of Wildlife Habitats - Management Community Reserve (60:40 between Centre & State)
	2406-02-110-37 (01) Kadalundi Vallikunnu Community Reserve
19	Project Tiger (60:40 between Centre & State)
	2406-02-110-36 (01) Periyar Tiger Reserve
	2406-02-110-36 (02) Parambikulam Tiger Reserve
20	2406-02-110-35 Project Elephant (60% CSS)
21	2406-02-110-34 Conservation of Natural Resources and Eco-systems (Nilgiri Biosphere Reserve) (60% CSS)
22	2406-02-110-33 Conservation of Natural Resources and Eco-systems (Agasthyamala Biosphere Reserve) (60% CSS)
23	2406-02-110-32 Conservation of Natural Resources and Eco-systems (Wetland Conservation) (60% CSS)
24	2406-02-110-31 Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of settlements from the Protected Areas (60% CSS)
25	2406-02-110-29 Elephant Rehabilitation Centre at Kappukkad near Kottoor
26	4406-01-070-99 Roads (34) Other Charges
27	4406-01-070-97-Buildings
28	4406-01-101-99-Forest Protection (Survey of Forest Boundaries & Forest Protection) (01) Forest Protection
29	4406-01-105-87-Improving Productivity of Plantations
	(01) Hardwood Plantations
	(02) Industrial Raw Material Plantation
30	4406-01-800-91-Eco-Tourism
31	4406-01-800-90-Projects under RIDF

ANNEXURE VI
ANNEXURE VI

Details of Planting Undertaken during 2021-22

Sl No.	Division	B.H	Name of Plantation	Physical (Ha)	Remarks
				Target	Species Planted
1	Southern Circle Kollam				
	Ranni	TRF	2021 TP Adukuzhy Bit -II	15.10	TEAK
		TRF	2021 Melia dubia Adukuzhy	21.82	Melia dubia
		CAMPA	2021 CA area Vakallar	30.00	Misc .Species
		CAMPA	2021 CA area Vakallar	10.00	Misc .Species
	Konni	TRF	2021 TP Kavanamoozhy	11.5	TEAK
		TRF	2021 Melia dubia Kavanamoozhy	10.40	Melia dubia
	Punalur	TRF	2021 TP Ayiranalloor	18.4	TEAK
				117.22	
2	High Range Circle Kottayam				
	Marayoor	KFDF	Kalyanamandapam	3.00	Santalum Album
	Kottayam	KFDF	2000 TP Kannimala	4.00	Miscellaneous
	Kothamangalam	RDF	Thattekkad	2.77	Miscellaneous
		HWS	Moovattupuzha	0.03	Miscellaneous
		HWS	Botanical garden	0.20	Miscellaneous
	Munnar	CAMPA	Kaithachal- eattchuveedu	8.00	Venga, illi, Eatta
		CAMPA	Kottappara I st Year	2.50	Miscellaneous
		CAMPA	Theertgmala Top	5.20	Miscellaneous
	Subtotal			25.70	

3	Central Circle Thrissur			28.25	Teak
	Malayattur	Hard Wood	Pandupara		
4	Eastern Circle Palakkad				
	Nilambur North	TRF	2021 Edakkode Palakkadavu	11.70	Teak
		CAMPA	Arimbrakuth	18.00	Misc .Species
		CAMPA	Marathodu	1.00	Misc .Species
		CAMPA	Edapottipoyil	3.00	Misc .Species
		RDF	Thudippoyil	3.16	Melia Dubia
	Mannarkkad	TRF	2021 Pupichippara	5.34	Teak
	Subtotal			42.20	
5	Northern Circle Kannur				
	Kannur	TRF	Kannavam	9.11	Teak
			Kannavam	14.35	Teak
	South Wayanad	CAMPA	Kochumala area in	16.70	Miscellaneous Species
	North Wayanad	IRM	Ambalakandy	14.75	Misc .Species
		CAMPA	Kakkolamkunnu	5.00	Misc .Species
	Subtotal			59.90	
	Grand Total			273.27	


 Deputy Director
 (Statistics)

28/12/22

ANNEXURE VI

Details of Planting Undertaken during 2020-21

Sl No.	Division	B.H	Name of Plantation	Physical (Ha)
				Target
Southern Circle Kollam				
1	Achenkovil	IRM	2020 cane plantation Pullarithodu	50.00
	Konni	HW	2020 Umayamkuppa in Konni Range	30.50
		TRF	2020 Chempala in Mannarappara Range	22.00
Subtotal				102.50
High Range Circle Kottayam				
2	Kottayam	Hardwood	2020 TP Urumbikkara	26.50
		TRF	2020 TP Kallar	20.20
		KFDF	Kulamakkal	7.00
		KFDF	Kilikkulam	3.00
	Kothamangalam	TRF	Kuzhimattom Bit I	18.98
			Kuzhimattom Bit II	22.13
	Marayoor	KFDF	Kozhikanna	2.00
	Munnar	CAMPA	Ozhuvathadam	2.00
			Kottappara	3.50
			IHRLM	Kundala
IHRLM			Idalimotta	8.00
Subtotal				120.31
Central Circle Thrissur				
3	Thrissur	TRF	2020 TP Oorakkad	17.50
Subtotal				17.50
Northern Circle Kannur				
4	Kasaragod	Hardwood	Planting of 1956 TP Pa	14.11
	S Wayanad	CAMPA	ANR Plantation at Koncherikunnu under Sugandhagiri Section	29.10
Subtotal				43.21
Eastern Circle Palakkad				
	Nilambur North	TRF	Edakkode-Kuttimanna	5.20
		TRF	Palakkadavu	16.70

5	Nilambur South	TRF	Ezhuthukal	35.00
	Mannarkkad	TRF	Pulichippara	8.30
		TRF	Pottikkal	4.13
	Palakkad	TRF	Elival	4.04
		TRF	Dhoni	9.00
	Nilambur North	VSS	Kariyathanpara	7.00
		VSS	Nagaravanam	0.02
	Mannarkkad	Hardwood	1983 Pottikkal TP	13.16
	Palakkad	Hardwood	1964 TP Naduppathy-Poolampara	10.00
		VSS	1967 TP Naduppathy-Poolampara	10.00
	Nemmara	RDF	Range Office Compound	0.0101
Subtotal			122.56	
Grand Total			406.08	

Planting Under Eco Restoration 2020-21 (Augmentation Planting)

Sl No.	Division	B.H	Name of Plantation	Physical (Ha)
				Target
Central Circle Thrissur				
1	Thrissur	Hardwood	Kuttimaruthu	10.00
	Chalakkudy	CAMPA	Karikkadavu	10.00
	Malayattur	MNREGS	Karakkad	10.50
Subtotal			30.50	
Eastern Circle Palakkad				
2	Nilambur North	VSS	1976 TP Kanakuth	5.00
		VSS	Churuli Miscellaneous Plantation	5.00
	Mannarkkad	RDF	2005 Thoova Acacia Plantation	10.70
	Nemmara	IRM	Manthittu Acacia Plantation	3.00
		RDF	Palakkuzhy	2.00
		RDF	Muringamala acacia Plantation	3.00
Subtotal			28.70	
Grand Total			59.20	

Plantation Raised during 2017-18

Scheme	Planting (Ha)	Maintenance (Ha)
Hardwood Species	411.38	638.36
Industrial Raw Materials	838.2	667.05
Non-wood Forest Species	210.08	1125.69

Plantation Raised during 2018-19

Scheme	Planting (Ha)	Maintenance (Ha)
Hardwood Species	197.7	1158.52
Industrial Raw Materials	236.97	980.08
Non-wood Forest Species	40	947.45

Plantation Raised during 2019-20

Scheme	Planting (Ha)	Maintenance (Ha)
Hardwood Species	95.78	505.67
Industrial Raw Materials	153.53	343.97
Non-wood Forest Species	6	658.01

*Deputy Director
Statistics*

Annexure VII

Methodology adopted for the Evaluation

Physical Verification of Activities

I. Plantation - *Methodology:*

- 10% plantation randomly selected from various divisions.
- Sampling intensity for evaluation - 10% for block plantations.
- For every hectare of the plantation, the evaluation was done on a 30 x 30 m plot.
- Each plot was marked on a map of the plantation area, and GPS co-ordinates of all such (30 x 30 m) plots were collected.
- In case of linear plantation, every 10th tree/planted sapling of each row was evaluated for 25% of its length per running km basis (5 intermittent line transects – each for 5% of length per running km) .
- The evaluation was done on 0.1 ha by laying a 30 x 30 m plot based on random sampling.

II. Soil and water conservation measures:

- (a) The teams obtained the norms and expenditure of SMC activities taken up in the plantation site from the respective offices.
- (b) The teams assessed the quantity/ present condition/ treatment plans of the different SMC works. 20% sampling was carried out.
- (c) For civil works, 50% M&E was carried out, based on random selection from Measurement Books from various divisions.

III. Eradication of weeds

Density assessment - plot counts

- Three or more plots (quadrats) of size 10 x 10m (located randomly over the site) were marked, and the number of plants within the plots was counted.
- To get the actual number per hectare, multiplied the average number of plants in the plots by 100.

Plot transects

- Marked out 100m transects, keeping them parallel to one another (10m-50m apart). Using a 2 x 2m plot frame (using a rope) plots were placed at intervals along the transect.
- The number of plants within the plot was counted. The values were converted to density measure by averaging the number of plants in each of the plots (i.e. individuals per hectare)

IV. Forest protection

- 10% of all firelines were evaluated in each division based on random selection from Measurement Books from various divisions.

V. Qualitative Aspects

Focussed group discussion (FGD): FGD was conducted for 10% of the villages in which CAMPA works were undertaken with at least 15 villagers in a commonplace within the village. The group comprised office bearers of JFMC, BPL households, and village residents.

Ranking of individual projects

The criterion below was used to evaluate the project needs since the site parameters, species and inputs provided vary from site to site.

Site suitability	High	Medium	Low
Suitable area with favourable site condition rainfall, soil, etc.	7 to 10	>3 to <7	≤3
Medium quality forest sites	>5	2-5	≤2
Poor forest sites	> 4	2-4	≤2

Criteria for classifying a site into suitable site, medium site and poor site

- Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

This approach involved aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allowed better tracking of performance trends. The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory
1	Highly Unsatisfactory	

Physical verification

Each of the selected plots were visited by the monitoring team and the following details documented in the field.

- Plot location with GPS co-ordinates and area
- Plantation type and design (wherever available)
- Year of establishment
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance

- Anthropogenic pressure, etc.

Parameters considered during M&E

- **For plantations**
 - a. **Qualitative** – site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
 - b. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
 - c. **Other parameters** – Management practices, biotic and abiotic factors, etc.
- **For civil constructions**
 - a. Verification (sketch and dimensions) based on the original documents and 'm-book'.

**Consultancy Project on
'Third Party Monitoring and Evaluation of CAMPA Plantations
and Other Activities'**

**Submitted to
Kerala Forests & Wildlife Department(CAMPA)**

Submitted by



**Institute of Forest Genetics and Tree Breeding
(*Indian Council of Forestry Research and Education*)**



Coimbatore – 641002

2021

Project title: Consultancy on third party monitoring and evaluation of CAMPA plantations and other activities carried out under CAMPA funding in Kerala state.

Project period: 6 months

Budget (in lakhs): Rs. 40.00 lakhs.

Funding agency: CAMPA, Kerala Forests & Wildlife Department

Third party monitoring and evaluation submitted by: Institute of Forest Genetics and Tree Breeding, Coimbatore 641 002.

Background:

The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) is established with the objective to promote afforestation and regeneration activities as a way of compensating for forest lands diverted to non-forest uses. Under the Forest (Conservation) Act, 1980, whenever forest land is converted to non-forest land use for residential, commercial, mining and industrial purposes, an equivalent area of non-forest land has to be taken up for compensatory afforestation.

CAMPA program covers a wide range of activities, including compensatory afforestation, catchment area treatment, assisted natural regeneration, forest fire prevention and control, soil and moisture conservation in forests, wildlife management, improvement of wildlife habitat, management of biological diversity and biological resources, research and innovation in forestry including monitoring and evaluation of activities taken up by the executing agency. Local people normally carry out these infrastructure operations on a temporary basis as and when there is plantation and development in progress. Thus, through these activities, CAMPA has the ability to create immediate and short-term employment for local people and forest-dependent communities.

While CAMPA focuses on short-term employment generation, promotes sustainable forest management practices. It encourages natural regeneration of forests by limiting extraction of wood, charcoal and fodder from forest areas for daily household use, generating awareness on the use of wood waste for household purposes and minimising the use of felled trees. It also ensures that funds are not used to set up monoculture and commercial species as they aggravate the impact of climate change in terms of soil erosion and groundwater depletion. The species selection criteria for planting include adaptive capacity of plants with local climatic conditions and potential additional benefits for the communities, assessing location-specific climate risk and vulnerabilities, socioeconomic conditions, and cultural nuances before investing in specific activities listed under CAMPA.

State CAMPA would provide an integrated framework for utilizing multiple sources of funding and activities relating to protection and management of forests and wildlife. Its prime task would be regenerating natural forests and building up the institution engaged in this work in the State Forest Department including training of the forest officials of various levels with a special emphasis on training at cutting edge level (forest range level). In short, the department would be modernized to protect and regenerate the forests and wildlife habitat.

Chief Executive Officer, CAMPA, Kerala is responsible for preparation of the schemes, Annual Plan of Operations (APO) for CAMPA, getting it approved by the Executive

Committee, Steering Committee and as well as the Government of India followed by implementation of the approved APO. After receiving the fund allotment under State CAMPA the implementing officers, generally District Forest Officers (DFOs) will execute the assigned activities as per the APO. Kerala Forests & Wildlife Department (KFD) receiving funds since 2009 from CAMPA, MoEF&CC, GoI for various developmental activities viz., Afforestation programs, soil and moisture conservation works. Capacity building to staff and local communities, establishment of civil structures, etc. in various forest divisions of Kerala.

The CAMPA funds received by the KFD was spent under five major heads viz., Compensatory Afforestation, Biodiversity Conservation, Soil and Moisture Conservation, etc. Under each major heads, there are different sub heads available and it varies according to site conditions and its need.

Need of third party monitoring and evaluation of CAMPA works

As per the suggestion in the APO, third party evaluation is mandatory to assess the CAMPA works carried out by the SFDs. The technical evaluation would give baseline data, after-effects, and a strategy for moving forward. During the third party evaluation, the works carried out will be assessed for choice of species, seed/propagule sources, site suitability, planting density etc. Also, the team will provide suggestions for further improvement. It has become imperative that projects implemented so far, are assessed for outcomes and impacts. This would not only help in highlighting positive achievements but more importantly, aid in addressing areas of concern. There is a pressing need to evaluate these plantations on three aspects namely area coverage, survival percentage and growth parameters by using qualitative and quantitative approaches. These evaluations need to go beyond status assessments and develop deeper to ascertain the causes behind the success or failure to enable better planning and design of the future plantation projects.

In view of the above, the following objectives are envisaged in the consultancy proposal

Objectives

- To evaluate different plantations established under CAMPA in different forest division of Kerala.
- To evaluate the civil structures (buildings and soil & water conservation structures) established under CAMPA in different forest divisions of Kerala.
- To suggest for improvement in quality of plantations for future.

Methodology

Condition: If the survival percentage for different plantations sites is not available.

Methodology: Choose 10% of the plantation area for each site as its sample size from the total area/different plantations activities for assessment.

Field enumeration in the selected projects

After studying the approaches adopted to sample multi-row block plantations by the various State Forest Departments, it was felt that the row sampling approach with 10% sampling intensity would be the best tradeoff between accuracy and effort. This approach is easy to implement since forest personnel are already familiar to this in their regular monitoring cycles. The field enumeration will cover assessment of two aspects of the plantations namely survival and growth followed by aggregation of results. The evaluation will be carried out on 0.1 ha by laying a 30x30 m plot on the basis of random sampling. In case of medicinal plants plantation 5x5 m quadrates will be laid out randomly in the selected sites. In soil and moisture conservation works, 20% sampling will be carried out and civil works 50% M&E will be carried out. In the case of Aided Natural Regeneration and regeneration studies, the quadrat size will vary from 1x1 m to 10x10 m according to the plot size and nature of terrain.

Assessing the Survival Percentage

In multi-row block plantations, any row can be selected as initial or starting row for counting and then every 10th row should be selected. In these rows, all the plants should be counted till the end of the row, either dead or surviving, for calculation of survival percentage. For example, if 2nd row has been chosen as initial or start row, then subsequent rows selected should be 12th, 22nd and so on till the end of the plantation area. All the plants of every 10th row or selected rows need to be enumerated.

Assessing the Growth Parameters

Generally the health of a plantation is expressed in terms of growth parameters of the plants. For this, we measure the plant height (in cm or m) and plant girth (in cm or m). This should be done at 1% sampling. Therefore, in all the rows selected above for survival, one start plant should be selected for height and girth measurements at collar (50 cm above the ground level upto 3 year old plantation and 1 m above ground level for up to 5 year old plantation and for plantations older than 5 years, GBH should be taken). Thereafter, every 10th plant should be selected for further recording of height and girth. If the start plant in row one is 3rd then other plants to be measured will be 13th, 23rd, 33rd and so on. It is advised to change the start plant for growth measurement in the 12th row by using a random number between 1 to 10. If the start plant in this 11th row comes to 5th then other plants to be measured will be 15th, 25th, 35th and so on. This should be followed for all the rows. The survival percentage of the plantation can be calculated as the percentage of surviving plants compared to the total plants enumerated. The growth parameters of the plantation namely plantation height and plantation girth can be averaged from the total plants for which these two parameters were measured. These plantation level indicators then need to be filled in the plantation field summary report.

Aggregating the findings

For the purpose of reporting, the survival percent should be weighted by net area planted in the same model. The percentage should be reported separately for each plantation model covered for the counting i.e. if the survival percentage we need to first measure the survival percentage of the sample projects i.e. if this comes to 60% for a 40 ha plantation, 40% for a 100 ha plantation and 80% for a 20 ha plantation then the weighted mean by net area planted comes to $(60 \times 40 + 40 \times 100 + 80 \times 20) / (40 + 100 + 20)$ which comes to 50%. So, the overall survival percentage of the plantation model is 50%.

Measuring the area coverage

Measuring the area coverage of plantation projects, most modern GPS receivers can be used to get a direct area reading by traversing the perimeter of the plantation. Both 2D and 3D area measurements can also be made using Google Earth Pro which supports measuring area and perimeter with the polygon tool.

Ranking of individual projects

It will be useful to have ranking/scales to evaluate the project needs. However, this is not easy since the site parameters, species and inputs provided will vary from plantation to plantation and it may not be appropriate to rank such heterogeneous plantation projects using a common scale. The following ranking from 1 to 5 for the same plantation type in a State while taking into account the site parameters.

Site suitability	Successful	Partially successful	Failed
Suitable area with favourable site condition rainfall, soil, etc.	61% and over	33-60%	Less than 33%
Medium quality forest sites	51% and over	25-50%	Less than 25%
Poor forest sites	41% and over	20-40%	Less than 20%

Criteria for classifying a site into suitable site, medium site and poor site

- A. Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- B. Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- C. Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

Similar quality parameters can be fixed by the states for the different plantation models in different site conditions to develop an assessment scale. This will facilitate the evaluation of performance across the various identified parameters such as survival percentage and growth parameters such as average height and collar girth. This approach involves aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allows better tracking of performance trends and consolidation of lessons to be considered in project design and implementation.

The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory

1	Highly Unsatisfactory	
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Physical verification

Each of the selected plots will be visited by the monitoring team. Following details will be documented in the field and the details are as follows

- Plot location and area
- Plantation model type and design
- Age of the plantation
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance
- Anthropogenic pressure, etc.

Qualitative and Quantitative parameters to be considered during M&E

1. **Qualitative** – site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
2. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
3. **Other parameters** – Management practices, biotic and abiotic factors, etc.

Parameters to be considered during M&E

1. **For plantations** – Total seedling height, collar girth, survival percentage, soil and site suitability vis-à-vis choice of species and overall condition of the plantation.
2. **For civil constructions** – Verification (sketch and dimensions) based on the original document and ‘m-book’.

Draft Evaluation Report

The Draft Evaluation Report will contain the following chapters

1. Title and opening pages
2. Table of contents
3. List of acronyms and abbreviations
4. Executive summary
5. Introduction
6. Description of the intervention
7. Evaluation approach and methods
8. Data analysis (with graphical presentation)
9. Findings and conclusions (with root cause analysis)
10. Recommendations
11. Lessons learnt

12. Annexes

The final technical report will be submitted to CEO, CAMPA, Kerala, on year wise APO in two bound copies along with soft copy.

Plantation Sampling Strategy

Sl No		Rows																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1.	<i>A.indica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
2.	<i>S. cumini</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
3.	<i>S. album</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
4.	<i>P.emblica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
5.	<i>A.indica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
6.	<i>S. cumini</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
7.	<i>S. album</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
8.	<i>P.emblica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
9.	<i>A.indica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
10.	<i>S. cumini</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
11.	<i>S. album</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
12.	<i>P.emblica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
13.	<i>A.indica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
14.	<i>S. cumini</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
15.	<i>S. album</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
16.	<i>P.emblica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
17.	<i>A.indica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
18.	<i>S. cumini</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
19.	<i>S. album</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*
20.	<i>P.emblica</i>	*	x	*	*	*	*	*	*	*	*	x	*	*	*	*	*	*	*

x

Plants assessed for survival

x

Plants assessed for growth parameters

Source:Sandeep Tambe. 2016. National Evaluation Manual for CAMPA Plantations. Center of Excellence for Application of Management Techniques in Government, Indian Institute of Forest Management, Bhopal.

Expertise and Experience with IFGTB

IFGTB is having 27 scientists and 25 Technical Service Officers in different disciplines and vast knowledge in various fields especially in Forest Ecology and Socio-economic aspects. IFGTB is having experience in conducting different monitoring and evaluation studies to various stakeholders viz., SFDs, Paper industries, etc. Also, IFGTB submitted the mid term monitoring and evaluation report on NAP to Kerala SFD during 2007.

Annexure VIII

Third Party Monitoring and Evaluation of CAMPA Plantations and Other Activities

for the period
2009-2014

Submitted to
Kerala Forests & Wildlife Department (CAMPA)

by
Institute of Forest Genetics and Tree Breeding
(*Indian Council of Forestry Research and Education*)
Coimbatore – 641002



October 2022

Preface

The State of Kerala established the Compensatory Afforestation Management and Planning Authority (CAMPAs) Scheme in 2009 to encourage afforestation, reforestation, and restoration/regeneration activities to compensate for forest land diverted for non-forest purposes and to enhance the state's forest cover. The Kerala Forests & Wildlife Department prepared the Annual Plan of Operations (APO) for the years 2009-2010, 2010-11, 2011-12, 2012-13 and 2013-14, which the MoEF & CC, Gol approved. As per the APOs, the state planned various activities, including compensatory afforestation, soil and moisture conservation, biodiversity conservation, awareness campaigns on forests, wildlife and the environment, eradication of invasive alien weeds, river bank stabilisation, protection of research plots and seed production areas, creation of fire breaks and other essential maintenance activities towards forest conservation. All these activities were spread across the forest divisions of the state, including wildlife sanctuaries. The success and sustainability of these CAMPAs activities, including structures established and plantations raised in terms of planning, implementation, the quantity of inputs, condition of health and survival, and outcomes, need to be evaluated and documented for monitoring purposes by an independent agency. Accordingly, IFGTB-ICFRE, Coimbatore, was awarded the monitoring and evaluation of CAMPAs activities undertaken. A team of IFGTB staff, including forest officers, scientists and technical personnel, have been involved in the work since March 2022. The sampling methodology approved by MoEF & CC was broadly followed, and a detailed survey, monitoring and evaluation exercises were conducted to represent all the forest circles and plantation models adopted in a given year. In total, 100 project sites were identified, and 141 activities of the first five years of CAMPAs implementation from 2009 to 2014 were monitored and evaluated. Overall the CAMPAs activities supported the forests and contributed to enhancing forest health in Kerala. I would like to acknowledge the Kerala Forests & Wildlife Department for their support and assistance in bringing out this document in a comprehensive manner.

Dr C. Kunhikannan
Director

Acknowledgements

We acknowledge the Kerala Forest & Wildlife Department for identifying IFGTB-ICFRE, Coimbatore, to evaluate the CAMPA activities carried out from 2009 to 2014. We sincerely thank the PCCF & Head of Forest Force for facilitating this special assignment. We would like to express our gratitude to Shri. Rajesh Ravindran IFS, APCCF & Chief Executive Officer CAMPA, Kerala, who facilitated the evaluation work and extended valuable guidance in finalising the formats for evaluation of different CAMPA activities in the state. We would like to express our sincere thanks to all the Divisional Forest Officers, Range Forest Officers, Frontline Field Staff and VSS members for their assistance in providing the assessment teams with the essential logistics and information during the on-site evaluation.

TEAM, IFGTB

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FACT SHEET

S. No.	Item	Details
1.	Scope of evaluation	Third-party monitoring and evaluation of the CAMPA Activities of Kerala Forests and Wildlife Department (2009-2014)
2.	Period of evaluation work	Signing of MoU - March 2022 Field works - April to June 2022 Report preparation - July to September 2022
3.	Focus	Quality of conservation and development works. Assessment of compensatory afforestation activities. Public awareness campaigns.
4.	Number of Evaluation teams	15 Evaluation Teams and one editorial team.
5.	Objective	<ul style="list-style-type: none"> To evaluate different plantations established under CAMPA in different forest divisions of Kerala. To evaluate the civil structures (buildings and soil & water conservation structures) established under CAMPA in different forest divisions of Kerala. To suggest for improvement in quality of plantations for future.
6.	Area covered	25 territorial forest divisions. 14 social forestry divisions. 11 wildlife divisions.
7.	Sample size	<p>Plantation: 20% plantation randomly selected from various divisions. Sampling intensity for evaluation is nearly 10% for block plantations. For every hectare of plantation, the evaluation to be done on a 30 x 30 m plot. In the case of a linear plantation, evaluation of every 10th tree/planted sapling of each row for 25% of its length per running km basis.</p> <p>Soil and Moisture Conservation (SMC) activities: 20% of SMC works evaluated in each division based on random selection from measurement book (Mbook).</p> <p>Eradication of weeds: Density assessment and plot transects.</p> <p>Forest protection: 10% of all firelines evaluated in each division.</p>
8.	Findings	<ul style="list-style-type: none"> The average survival rate in ecorestoration activities is 78%. Damage by wild animals is high in some divisions. The quality of other departmental works was mostly high (72%) Check-dams and gullies are the major SMC works taken up. The involvement of the VSS in various department activities has ensured a participatory approach to the protection and conservation of forests.

Executive Summary

The Forest (Conservation) Act (1980) was enforced to conserve and protect forest resources. The Act mandated that whenever forest land is diverted for non-forestry purposes usually the conditions relating to transfer, mutation and declaration as Reserve Forest/Protected Forest, the equivalent non-forest land for compensatory afforestation and funds for raising compensatory afforestation etc. are to be imposed. Additional conditions such as maintaining a safety zone area, fencing and regeneration etc. are prescribed for mining purposes, and catchment area treatment plans are stipulated for big and medium irrigation projects. Further, the Act provided that the non-forest land for Compensatory Afforestation (CA) was to be identified contiguous to or close to Reserved Forest or Protected Forest. The funds for CA are received from the user agencies based on the rates fixed by the State Forest Department, which are site-specific and vary according to the species, type of forest and site. The fund received for compensatory afforestation, additional compensatory afforestation etc. has to be used as per site-specific schemes submitted by the state along with the approved proposals for diversion of forest land. After receipt of the fund, State Forest Department has to accomplish the afforestation for which money is deposited in the CA Fund within a period of one year or two growing seasons.

The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Kerala has been constituted with the objective of conservation, protection, regeneration and management of existing natural forests, wildlife and their habitat and raising site specific compensatory afforestation, penal compensatory afforestation etc. As per the provisions of CAMPA guidelines, the state CAMPA has been formulating Annual Plans of Operation (APO) since 2009-10.

The Government of India released Rs. **7,18,64,000** for the period 2009-10 to 2013-14 to Kerala to implement CAMPA Activities.

The Assignment

As a range of activities were taken up under CAMPA, a technical evaluation of the activities by a third party was considered essential. IFGTB-ICFRE was identified to carry out third-party monitoring of all the CAMPA interventions since 2009-10 (File No. FC5-1433/2021 dated 28.01.2022). The broad scope of evaluation comprised all the components and sub-components of CAMPA implementation in Kerala.

Study Area

The evaluation study covered 50 forest divisions of Kerala (25 Territorial, 14 Social Forestry and 11 Wildlife Divisions) under 11 forest circles. In addition, Research Divisions where CAMPA funds were utilised are also covered in the study.

Study Approach and Methodology

Various CAMPA interventions were evaluated using appropriate sampling criteria, data collection approaches and, in view of diversity, nature of component and stakeholders involved. The study approach and methodology have been adopted from the evaluation formats of the MoEF&CC, GoI.

Details of Data Collection

- **Primary Data:** First-hand information was obtained using separately designed formats for different components and subcomponents.
- **Secondary Data:** Secondary data relating to various activities undertaken in CAMPA were collected from the circle, division and range offices in pre-designed formats and checklists.
- **Focussed Group Discussion:** FGDs with the members of the VSS were conducted to evaluate peoples' perceptions and participation levels in implementing CAMPA activities in a given locality.
- **Consultation with Forest Officials:** Consultations were undertaken with a range of forest officers involved at various stages- planning and decision making, implementation, monitoring and evaluation. This included Divisional Forest Officers (DFOs), Forest Range Officers (FROs), Section Forest Officers, Forest Beat Officers (FBOs), etc.
- **Field Observation:** Data on survival, field measurements to assess growth in different plantations, condition of physical structures in SMC activities and weed density in plantation sites were collected. Notes were prepared on various activities under CAMPA implementation, which provided the basis for the entire evaluation process.

Performance of CAMPA during the period 2009-10 to 2013-14

- The total funds received from the Adhoc CAMPA up to APO year 2013-14 stands at Rs. 7.18 crores and the expenditure ending March 2014 was 6.38 crores which is 88.73 % of the funds received. The core activities undertaken with the CAMPA funds comprise plantations, creation of SMC structures, forest protection, wildlife management and assistance to tribal VSS.

- The non-core activities comprised biodiversity conservation, capacity building, infrastructure development, forest IT, monitoring, evaluation and accounting.
- During the initial years of CAMPA APOs, assistance to tribal VSS, improving the infrastructure for protection of soil and moisture conservation activities were prioritised (70%). The VSS members were engaged in almost all the activities.
- Various SMC structures in CAMPA APOs included check dams, contour trenches, gully plugging etc. SMC structures undertaken by frontline forest officers under CAMPA are site-specific as per the site requirement.
- Focus on eco-restoration, planting and silvicultural operations was minimal (undertaken only in two circles) in the initial years of CAMPA implementation. Most activities were done departmentally, an economical and time-saving approach. River bank stabilisation, vegetation barrier creation and eradication of weeds were taken up in one site.
- Inclusion of VSS members in patrolling, fire break creation, developing infrastructure in interior forest areas, has encouraged their active participation in conservation activities.
- Training and capacity development programmes undertaken under CAMPA includes theme based trainings, strengthening communication and plantation skill development.
- Under infrastructure development, efforts were taken to repair / improve dilapidated structures. The major construction activities undertaken with the help of CAMPA funds were antipoaching campsheds.

Recommendations & Suggestions

1. Species should be selected on the basis of floristic composition of the forest types and prevailing local soil condition of the afforestation / plantation site.
2. De-centralized local nurseries for production of forest type specific planting stocks may be promoted.
3. Maintenance and watch and ward may be continued for 4 to 5 years for better establishment.
4. Number of watchers should be increased proportionate to the size of the plantation site.
5. There should be provision in CAMPA APOs for the periodic maintenance of SMC structures as most SMC structures are subject to heavy wear and tear due to recurrent floods.
6. Buildings / structures constructed during this period needs to be repaired and maintained. In some cases, renovation / refurbishing may also be done based on a fixed schedule.

7. It is better to avoid plantations deep inside forests, with heavy movement of wildlife, as monitoring of the plantations is difficult. Instead, manual seeding may be done by adopting seed ball technology. Seeds to be broadcast should match the floristic composition of the respective forest types.
8. The frontline staff may be trained on seed handling and nursery technologies of native tree species.

Monitoring and Evaluation of CAMPA Plantations and Other Activities (2009-2014)

1. Introduction

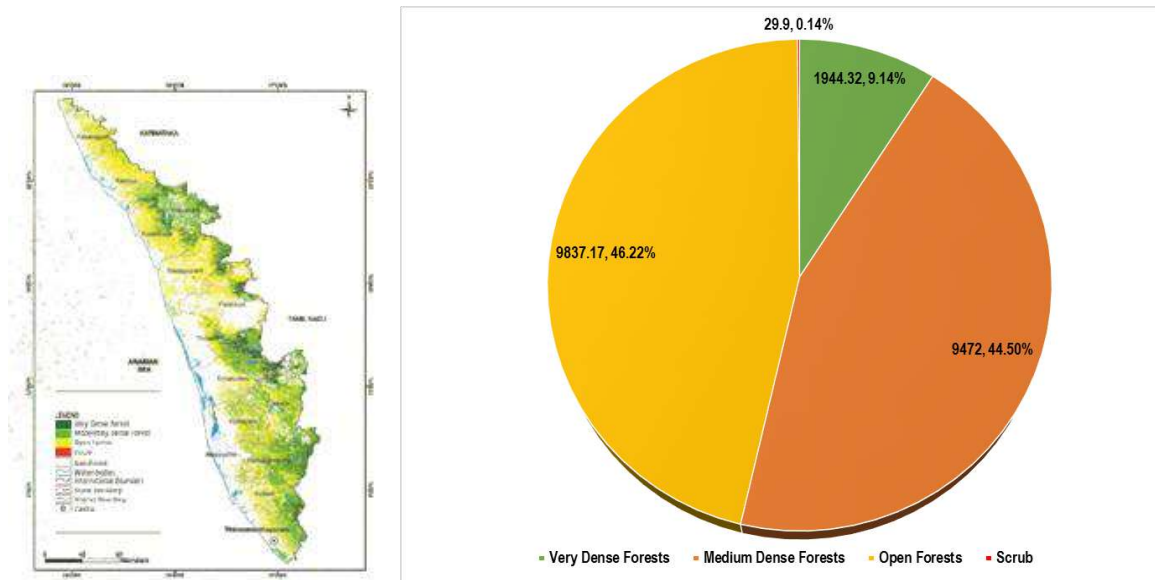
1.1 Background

Forests in India comprise diverse forest types and reserved areas accounting for about 24.62 % of the country's geographical area. Forest provides livelihood support to the people living in and adjoining forests. Forests are the most significant natural carbon sinks and regulate water regimes. Given that the forest sector provides goods and services to humankind, forest land is diverted for developmental activities for non-forestry purposes, consequently leading to considerable shrinkage of forest cover.

Kerala is endowed with rich natural resources. The conducive tropical climate favours forests with rich biodiversity and endemism. The Western Ghats, one of the Biodiversity hotspots, runs all along the eastern boundary of Kerala. Unfortunately, the increasing population and changing lifestyles exert tremendous pressure on forests. The greatest challenge today is to accommodate developmental needs by minimising the destruction of its pristine forests.

1.2 Forest Cover in Kerala

The forest cover in the state based on the interpretation of the Forest Survey of India (FSI, 2021) is 21,253.49 sq km which is 54.7 % of the state's geographical area. Forest Cover in the State has increased by 109 sq km compared to the previous assessment reported in ISFR 2019. Among forest canopy density classes, the state has 1944.32 sq km area under very dense forest, 9472 sq km area under moderately dense forest and 9837.17 sq km area under open forest.



Source: ISFR, 2021

1.3 Forest Cover In Kerala From 2007 To 2015

Forest cover in the state has been increasing over the years. Forest conservation and afforestation activities are the key reasons for the improvement.

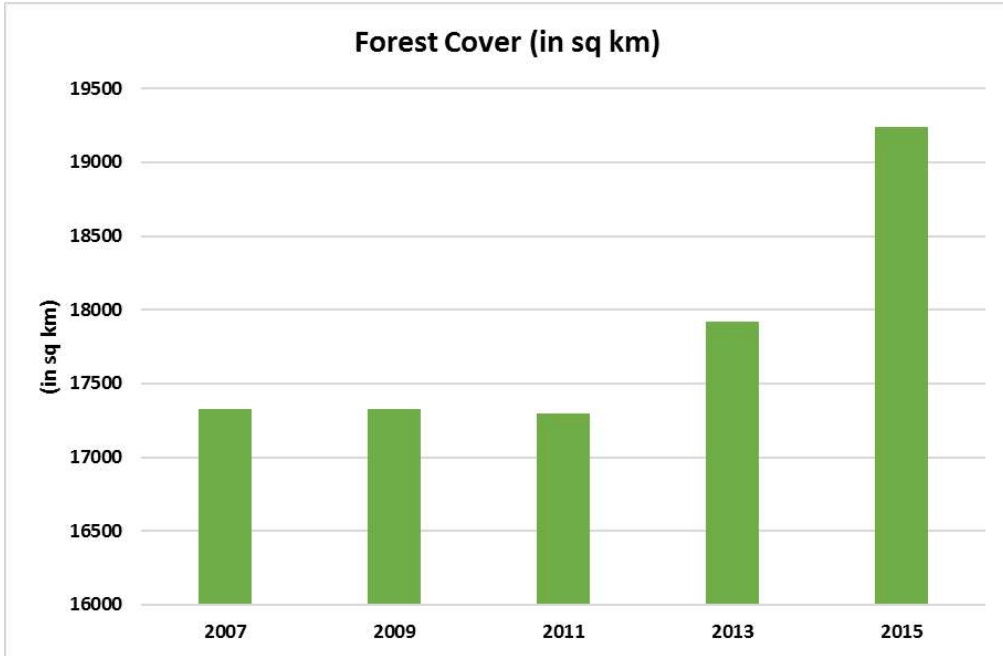


Figure 1.

1.4 District-wise Forest Coverage in Kerala

Table 1.1 provides the district-wise forest coverage in Kerala (Area in sq km), and the tree map at Fig 1.1 provides the distribution across districts.

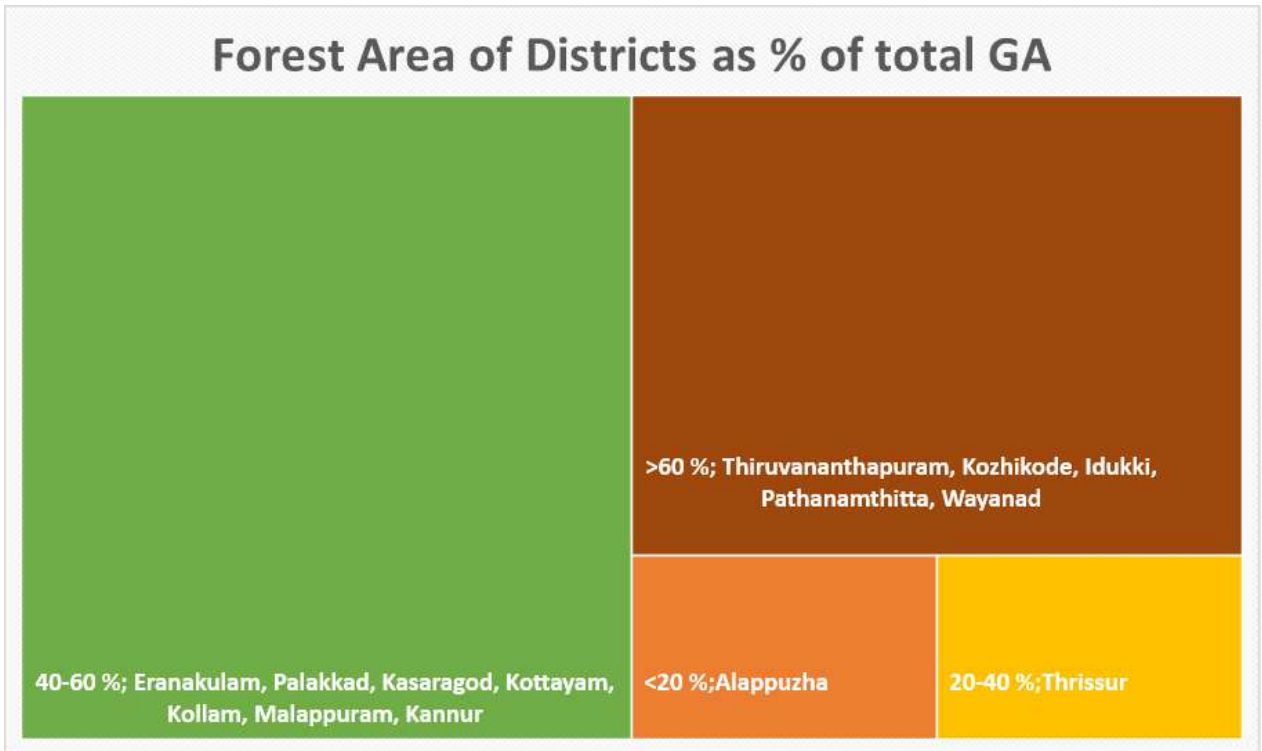


Table 1.1

District	Geo-graphical Area (GA)	VDF	MDF	OF	Total	%of GA	Scrub
Alappuzha	1415	0	27	53.54	80.54	5.69	0
Eranakulam	3063	165.52	614.4	604.56	1384.48	45.2	5.6
Idukki	4356	355.72	1783.33	1016.27	3155.32	72.44	2.51
Kannur	2961	58	489.63	1121.23	1668.86	56.36	0.18
Kasaragod	1989	1.9	288.7	692.97	983.57	49.45	0
Kollam	2483	104.4	656.88	572.5	1333.78	53.72	0
Kottayam	2206	11.31	525.73	562.01	1099.05	49.82	0
Kozhikode	2345	70.77	409.94	967.11	1447.82	61.74	0.8
Malappuram	3554	142.67	424.68	1416.32	1983.67	55.82	6.47
Palakkad	4482	402.14	637.77	1063.77	2103.68	46.94	12.71
Pathanamthitta	2652	164.92	1229.12	554.88	1948.92	73.49	0.51
Thiruvananthapuram	2189	59.12	702.42	555.5	1317.04	60.17	0.07
Thrissur	3027	218.86	477.79	469.6	1166.25	38.53	0.62
Wayanad	2130	188.99	1204.61	186.91	1580.51	74.2	0.43
Total	38852	1944.32	9472	9837.17	21253.5	54.7	29.9

Source: Kerala ENVIS, 2022

Comparing district-wise area cover in Kerala, Idukki has the largest forest cover (3155 sq km) in the state, followed by Palakkad (2104 sq km), Malappuram (1984 sq km), Pathanamthitta (1949 sq km) and Kannur (1669 sq km). In terms of percentage of forest cover concerning the total geographical area, Wayanad with 74.2 % has the highest forest cover, followed by Pathanamthitta (73.49%), Idukki (72.44%), Kozhikode (61.74%) and Thiruvananthapuram (60.17%). The table reveals an increase in forest cover by 109 sq km compared to the previous assessment (in 2019).

Nearly 60 lakh ha of forest is degraded with less than 40% canopy density. This is the target area for the afforestation programmes. Forest plantations extend over 1.56 lakh ha, teak being the major species, covering almost 50 % of the total plantation area, followed by mixed plantations and Eucalyptus. The natural forests, plantations and homestead gardens contribute to the state's green cover, and all these are required in forest management.

2. Project profile

Compensatory Afforestation Programmes in the state were initiated in 1993, and plantations were maintained until 2002-03. The Government of India notified The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in April, 2004. The State CAMPA receives funds collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation) Act, 1980. Kerala State CAMPA was constituted in November 2009.

Kerala Forests & Wildlife Department (KFD) has been receiving funds since 2009 from CAMPA, MoEF&CC, GoI for various developmental activities such as afforestation programs, soil and moisture conservation works, capacity building for staff and local communities, the establishment of civil structures, etc. in various forest divisions of Kerala. The funds are spent for compensatory afforestation, biodiversity conservation, soil and moisture conservation, etc. The Chief Executive Officer, CAMPA, Kerala, is responsible for preparing the schemes, Annual Plan of Operations (APO) for CAMPA, and getting it approved by the Executive Committee, Steering Committee and the Government of India, followed by implementation of the approved APO. After receiving the fund allotment under State CAMPA, the implementing officers, the District Forest Officers (DFOs) execute the assigned activities as per the APO. Under each major heads, there are different subheads available, which vary according to site conditions and needs.

The total outlay of the CAMPA activities from 2009 to 2014 is Rs. **7.18** crores. The details of the Divisions, and the number of activities against different years are in Annexure-III.

3. Methodology:

Physical Verification of Activities

I. Plantation - Methodology:

- 10% plantation randomly selected from various divisions.
- Sampling intensity for evaluation - 10% for block plantations.
- For every hectare of the plantation, the evaluation was done on a 30 x 30 m plot.
- Each plot was marked on a map of the plantation area, and GPS co-ordinates of all such (30 x 30 m) plots were collected.
- In case of linear plantation, every 10th tree/planted sapling of each row was evaluated for 25% of its length per running km basis (5 intermittent line transects – each for 5% of length per running km) .
- The evaluation was done on 0.1 ha by laying a 30 x 30 m plot based on random sampling.

II. Soil and water conservation measures:

- (a) The teams obtained the norms and expenditure of SMC activities taken up in the plantation site from the respective offices.
- (b) The teams assessed the quantity/ present condition/ treatment plans of the different SMC works. 20% sampling was carried out.
- (c) For civil works, 50% M&E was carried out, based on random selection from Measurement Books from various divisions.

III. Eradication of weeds

Density assessment - plot counts

- Three or more plots (quadrats) of size 10 x 10m (located randomly over the site) were marked, and the number of plants within the plots was counted.
- To get the actual number per hectare, multiplied the average number of plants in the plots by 100.

Plot transects

- Marked out 100m transects, keeping them parallel to one another (10m-50m apart). Using a 2 x 2m plot frame (using a rope) plots were placed at intervals along the transect.

- The number of plants within the plot was counted. The values were converted to density measure by averaging the number of plants in each of the plots (i.e. individuals per hectare)

IV. Forest protection

- 10% of all firelines were evaluated in each division based on random selection from Measurement Books from various divisions.

V. Qualitative Aspects

Focused group discussion (FGD): FGD was conducted for 10% of the villages in which CAMPA works were undertaken with at least 15 villagers in a commonplace within the village. The group comprised office bearers of JFMC, BPL households, and village residents.

Ranking of individual projects

The criterion below was used to evaluate the project needs since the site parameters, species and inputs provided vary from site to site.

Site suitability	High	Medium	Low
Suitable area with favourable site condition rainfall, soil, etc.	7 to 10	>3 to <7	≤3
Medium quality forest sites	>5	2-5	≤2
Poor forest sites	> 4	2-4	≤2

Criteria for classifying a site into suitable site, medium site and poor site

- Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

This approach involved aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allowed better tracking of performance trends. The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory
1	Highly Unsatisfactory	

Physical verification

Each of the selected plots were visited by the monitoring team and the following details documented in the field.

- Plot location with GPS co-ordinates and area
- Plantation type and design (wherever available)
- Year of establishment

- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance
- Anthropogenic pressure, etc.

Parameters considered during M&E

- **For plantations**
 - a. **Qualitative** – site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
 - b. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
 - c. **Other parameters** – Management practices, biotic and abiotic factors, etc.
- **For civil constructions**
 - a. Verification (sketch and dimensions) based on the original documents and ‘m-book’.

Deliverables and time schedule

Work plan submission	One week after signing the agreement
Field Data Collection	Two - three months
Draft report submission	One month after Field Data Collection
Final report submission	Two months after Draft report submission
Total Duration	6 Months

4. Evaluation Details of the Circles and Divisions

The details of various circles and divisions evaluated are presented below.

	Circles	Divisions
Territorial Circles and Divisions	Northern Circle, Kannur	Kannur, North Wayanad, South Wayanad and Kozhikode Forest Divisions
	Eastern Circle, Palakkad.	Nilambur North, Nilambur South, Mannarkkad, Palakkad and Nemmara Forest Divisions
	Central Circle, Thrissur.	Thrissur, Chalakkudy, Vazhachal and Malayattoor Forest Divisions
	High Range Circle, Kottayam.	Kothamangalam, Mankulam, Munnar, Marayoor and Kottayam Forest Divisions
	Southern Circle, Kollam	Ranni, Konni, Punalur, Thenmala, Achenkovil and Thiruvananthapuram Forest Divisions
Wildlife Circles and Divisions	Wildlife, Palakkad.	Aralam, Wayanad, Parambikulam, Peechi and Silent Valley National Park Wildlife Divisions.
	Field Director Project Tiger, Kottayam.	Munnar, Idukki, Periyar Tiger Reserve East & Periyar Tiger West Wildlife Divisions.
	Agasthyavanam Biological Park , Thiruvananthapuram.	Shendurney and Thiruvananthapuram Wildlife Divisions.
Social Forestry Circles and Divisions.	Social Forestry, Kozhikode	Kasargode, Kannur, Wayanad, Kozhikode and Malappuram Social Forestry Divisions.
	Social Forestry, Ernakulam	Palakkad, Thrissur, Ernakulam and Idukki Social Forestry Divisions.
	Social Forestry, Kollam	Alappuzha, Kottayam, Pathanamthitta, Kollam and Thiruvananthapuram Social Forestry Divisions.
Research Circles & Research Divisions	Working Plan & Research	Kozhikode, Palakkad, Munnar, Punalur and Kollam Working Plan Divisions as well as Research Division, Thrissur Research Division

NORTHERN CIRCLE, KANNUR (2009-2014)

The evaluation covered four forest divisions of the circle. They include

1. Kannur
2. Kozhikode
3. North Wayanad
4. South Wayanad

Twelve different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	South Wayanad
2.	Cairns & Boundary Consolidation	South Wayanad
3.	Compensation to Victims	South Wayanad
4.	Compensatory Afforestation	North Wayanad
5.	Construction & Maintenance of Camp Shed	South Wayanad
6.	Construction of Check Dam	Kannur, Kozhikode, North Wayanad, South Wayanad
7.	Construction of Solar Fencing	South Wayanad
8.	Elephant Proof Trench	South Wayanad
9.	Joint Patrolling & Raids	South Wayanad
10.	Protection Camp Shed & Ration	South Wayanad
11.	Purchase of Equipment	South Wayanad
12.	Soil & Moisture Conservation	North Wayanad, South Wayanad

1. Assistance to Tribal VSS

The South Wayanad Division assisted the tribal VSS in the form of employment as mazdoor, fire watchers etc. The details pertaining to the payments were verified from records and found correct.



2. Cairns & Boundary Consolidation

This activity was completed in 2014-15 in three different locations, Bharanikkunnu (10), Attuvaikunnu (12) and Kottapady (12) sections. The records were verified and found correct.

3. Compensation to Victims

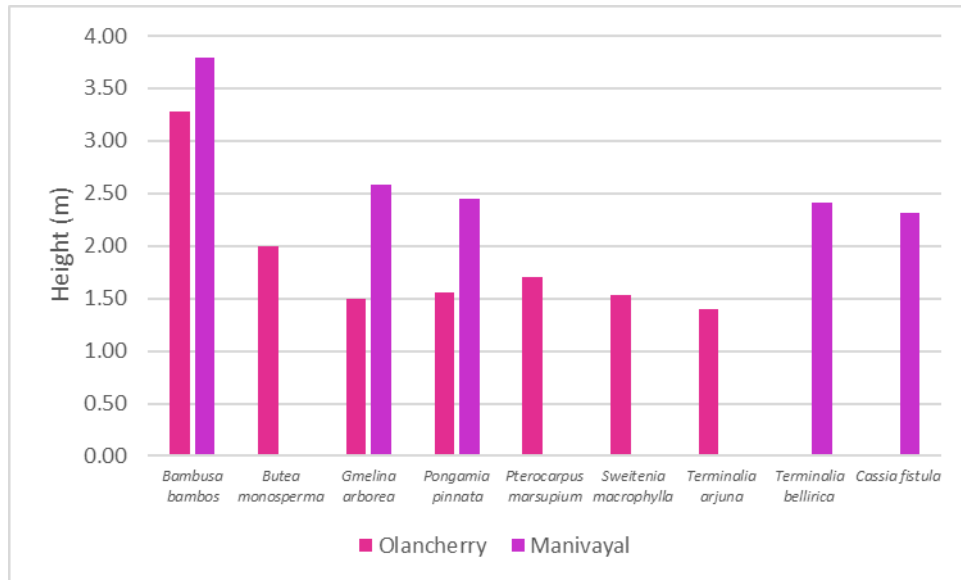
The documents were physically verified and found correct. It involved payments to victims of elephant infiltration into human settlements.

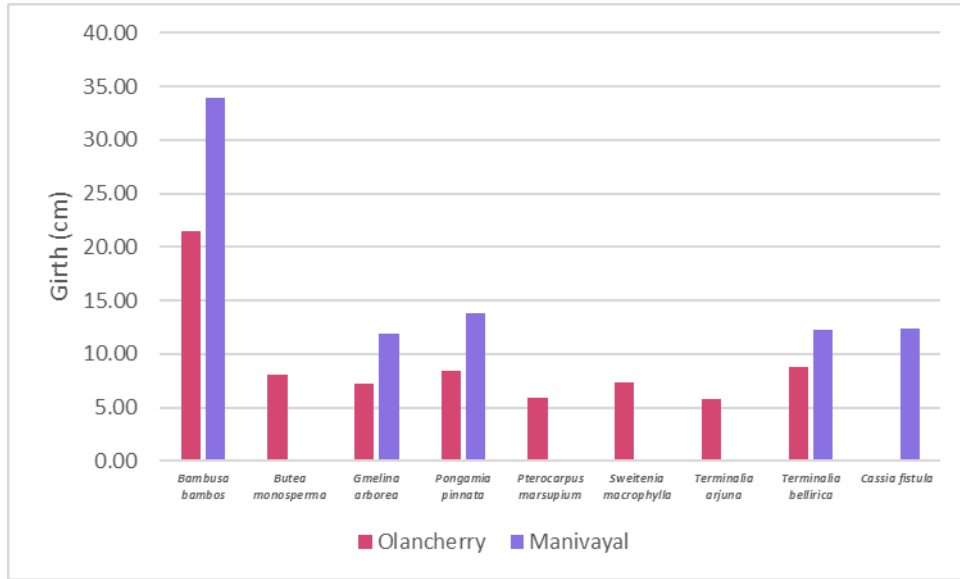
4. Compensatory Afforestation

Compensatory afforestation was undertaken only in the North Wayanad Division in two locations.

Plant survival Rate: Plant survival rates varied between the two locations. Gap planting undertaken in Manivayal in Begur range showed the highest survival rates.

S. No.	Divisions	Area (ha)/ Planting	Species	Survival (%)	Remarks
1.	Olancherry	29.1 / Gap planting	<i>Bambusa bambos</i> , <i>Butea monosperma</i> , <i>Gmelina arborea</i> , <i>Pongamia pinnata</i> , <i>Pterocarpus marsupium</i> <i>Sweitenia macrophylla</i> , <i>Terminalia arjuna</i> , <i>Terminalia bellirica</i>	80	Maintained subsequently for four years. Hence plantation established well. <i>Pterocarpus marsupium</i> did not perform well.
2.	Manivayal	6 ha/ Gap planting	<i>Bambusa bambos</i> , <i>Cassia fistula</i> , <i>Gmelina arborea</i> , <i>Pongamia pinnata</i> , <i>Terminalia bellirica</i>	86	All the species established well.





S.No.	Species Planted in Compensatory Afforestation Programmes
1.	<i>Bambusa bambos</i>
2.	<i>Butea monosperma</i>
3.	<i>Cassia fistula</i>
4.	<i>Gmelina arborea</i>
5.	<i>Pongamia pinnata</i>
6.	<i>Pterocarpus marsupium</i>
7.	<i>Sweitenia macrophylla</i>
8.	<i>Terminalia arjuna</i>
9.	<i>Terminalia bellirica</i>



5. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 11°45'43.93" E 76°06'11.51"	2009-2010	7 x 2 x 6	The condition of the structure is good. The activity was completed in 2012-2013.

The works were evaluated for the physical existence and for the quality. The specifications were checked by verifying the old vouchers and the estimates. It is observed that, the building maintenance was found necessary in some cases and was very useful to the occupants.



Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Chedleth / Padiri /Ammani, Manalvayal	The shed is maintained well.	The shed is useful for the frontline staff.	7	High

6. Construction of Check Dam

The work is reported to be executed during 2013-2014. However, no physical verification could be done.

7. Construction of Solar Fencing

Location	Year	Remarks
Orkittammolla.,Ammani	2013-14	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.

Chakkitta, Ammani, Chedleth Range	2013-14	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
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8. Elephant Proof Trench

Location	Year	Remarks
Punchakolly, Koodallor, Pambra Area	2013-14	The trenches were physically verified.
Maramala, Chedleth Range	2013-14	The trenches were physically verified.
Punchakolly, Chedleth Range	2013-14	The trenches were physically verified.
Maramala gate, Chedleth Range	2013-14	The trenches were physically verified.

9. Joint Patrolling & Raids

Vouchers, bills and payments made towards mazdoors for joint patrolling and raids were verified and found correct.

10. Protection Camp Shed & Ration

The work is reported to be executed during 2013-2014.

11. Purchase of Equipment

The fire fighting and fire protection equipment procured by the divisions were verified from records and found correct.

12. Soil & Moisture Conservation

S. No	Asset /area details	Year	Volume (m ³)	Remarks
1.	Gully plugging / Nariyamthode, Sugandhagiri Section, Kalpetta Range	2013-14	5.27	The structure is in good condition
2.	Gully plugging / Kattimathode, Sugandhagiri Section, Kalpetta Range	2013-14	51.39	The structure is in good condition
3.	Pond digging / Tower kunu, Begur Range (N11° 52' 33.20", E76° 03' 44.42"; Elevation- 917m)	2013-14	-	The pond stores water to half capacity.



Four activities were taken up during 2012-13; two during 2010-11 while just one activity was taken up during 2009-10 and 2011-12. The Cairns & Boundary Consolidation activity to be taken up in 2011-12 was taken up during 2013-14. Overall, an amount of Rs. 120.58 lakhs was allotted to the circle during the period of which 90 percent financial achievement was observed.

EASTERN CIRCLE, PALAKKAD (2009-2014)

The evaluation covered five forest divisions of the circle. They include

1. Mannarkkad
2. Nenmara
3. Nilambur North
4. Nilambur South
5. Palakkad

Thirteen different activities have been undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Nenmara, Nilambur North
2.	Construction & Maintenance of Camp Shed	Nenmara, Palakkad
3.	Construction of Check Dam/ Pond	Mannarkkad, Nenmara, Nilambur North, Nilambur South, Palakkad
4.	Contour Bunds	Nenmara
5.	Elephant Proof Trench	Nenmara
6.	Improving Connectivity	Mannarkkad
7.	Interior Campshed & Ration	Nenmara, Nilambur South, Palakkad
8.	Joint Patrolling & Raid	Nilambur North
9.	Planting	Nenmara
10.	Purchase of Equipment	Nilambur South
11.	Soil & Moisture Conservation	Nenmara, Palakkad
12.	Soil & Moisture Conservation Dry Rubble	Nenmara
13.	Vegetation barrier by grass	Nenmara

1. Assistance to Tribal VSS

Discussions were held with two VSS groups in Mangalam dam (Nenmara) and Nilambur on the implementation of CAMPA activities in the Divisions. Employment through maintenance of plantations under compensatory afforestation, fire watchers, ecotourism activities, and facilities such as provision of skinwood door, door fittings, and fixing of doors has been done for their households. Both divisions have good rapport with the tribals in their divisions.



2. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N10° 28' 23.24" E76° 33' 11.85"	2010-11	4.0 x 6.0	The structure is in good condition.
2	N10° 34' 31.29" E76° 44' 31.19"	2012-13	6.0 x 3.7	The structure is in good condition. The activity was completed in 2014-15.

The camp sheds were evaluated for their physical existence and the quality of the assets. The specifications of the camp sheds were checked by physical measurements and verifying the old vouchers and estimates.

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp shed / Alathur/ Kadappara	The structure is in good condition.	It is regularly used by the frontline staff.	7	High
2.	Contour Bund/ Kollengode / Kalliyampara	The structure is in good condition.	It is regularly used by the frontline staff.	7	High

3. Construction of Check Dam/ Pond

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1.	N11° 0' 23.16" E76° 31' 43.17"	2012-13	210.0 m ³	The structure is in good condition.
2.	N10° 34' 11.69" E76° 39'6.31"	2012-13	41.5m ³	The structure is in good condition. The activity was completed in 2014-15.
3.	N 10°52'58.55" E 76°39'16.57"	2011-12	72 m ³	The structure is in good condition.
4.	N 11°18' 57.97" E 76°11'45.48"	2012-13	354.66 m ³	The structure is in good condition. The activity was completed in 2019-20.
5.	N11° 18' 47.6" E76° 21' 38.8"	2012-13	Plastering: 14.0 m ³ ; Earthwork: 107.0m ³ ; Foundation: 155.0m ³ RCC: 79 m ³	The structure is in good condition.



The works were evaluated for the physical existence and for the quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam / Mannarkkad/ Vattappara	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	7	High
2.	Check Dam / Kollengode range Elavancheri	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	8	High
3.	Check Dam / Olavakkode range / Elival section / Velampotta	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	7	High
4.	Check Dam / Tharamattam/ Ottupalthodu	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	8	High
5.	Check Dam / Nilambur South/ Karulai/Moochikkala	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	7	High

6. Contour Bunds

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N10° 34'27.42" E76°44'14.26"	2014-15	-	The structure is in good condition.

The bunds have been physically verified and the specifications were checked by physical measurements and verifying the old vouchers and estimates.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Contour Bund/ Kollengode / Kalliyampara	The structure is in good condition.	It supports the soil stabilisation.	7	High

7. Improving Connectivity

Records pertaining to maintenance of Patrolling routes in Mannarkkad Division - Ayyappan thalam under Singappara forest station in Agali range (N 10° 58' 10.413"; E 76° 37' 54.89") were verified and found correct.

8. Interior Campshed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1.	N11°18'25.92" E76°26'31.92"	2009-10	72 m ³	The structure is in good condition.
2.	N 10°52'47.3" E 76°48'09.0"	2011-12	72 m ³	The structure is in good condition.

The works were evaluated for the physical existence and for the quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp shed /Nilambur South / Karulai / Panapuzha	Maintenance like tress work over the existing camp shed.	It is regularly used by the frontline staff.	7	High
2.	Camp shed/ Walayar	The structure is in good condition.	It is regularly used by the frontline staff.	7	High

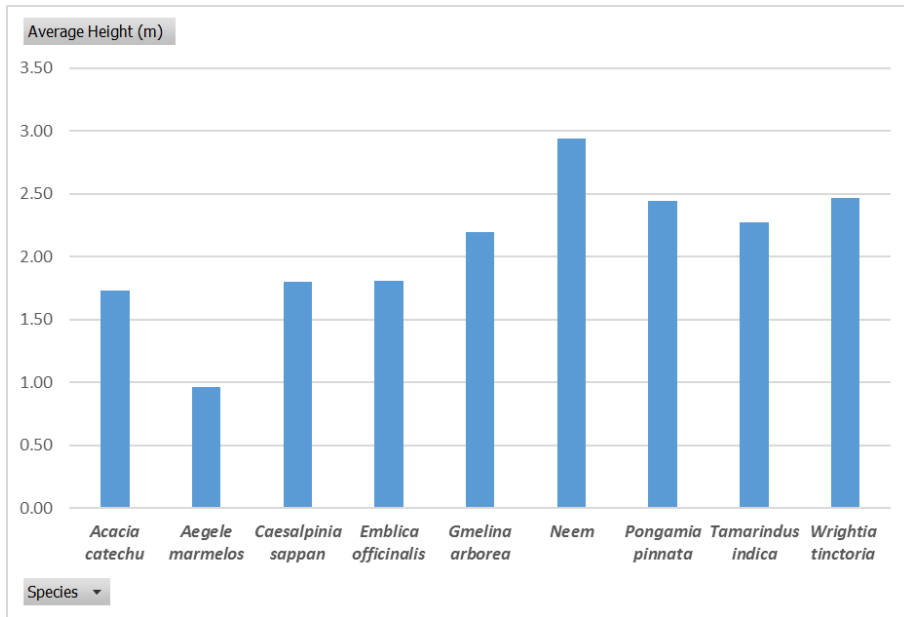


9. Joint Patrolling & Raid

Joint patrolling activities were taken up in Edavanna, Vazhikkadavu ranges of Nilambur north division. The activities were verified through inspection of records and found correct.

10. Planting

Planting was envisaged in the APO 2012-2013 in Nenmara Division. However, the same could be achieved only during 2015-2016. Nine species were planted in Killimala in Kollengode, Nenmara division in 15 ha area. Plant survival rate was good but varied between species.



Growth performance of the different species in Killimala, Nenmara division



There was heavy undergrowth of grasses, and the field was completely infested with weeds such as Lantana and Eupatorium. The plantation was well stocked with a survival of 76 per cent.

11. Purchase of Equipment

The records revealed that field equipment for antipoaching squad and watchers such as torches, emergency life saving equipments, solar charged lights were procured and distributed.

12. Soil & Moisture Conservation Dry Rubble

Gully plugging using Dry rubble was carried out in Vellakkalthittu, Kollengode range in an area of 82.5 m³ (N10°31'44.22",E76°37'59.40" and N10° 31'42.93" E76°37'59.31"). The gullies are in good condition.



Two activities were taken up during 2009-10 in the circle, four during 2010-11, five each during 2011-12 and 2012-13. The circle implemented all the activities listed in the APO. Spillovers were observed with regard to planting and construction of campshed. Overall, an amount of Rs. 93.81 lakhs was allotted to the circle during the period of which 70 percent financial achievement was observed.

CENTRAL CIRCLE, THRISSUR (2009-2014)

The evaluation covered four forest divisions of the circle. They include

1. Chalakkudy
2. Malayattoor
3. Thrissur
4. Vazhachal

Nine different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Chalakkudy, Vazhachal
2.	Cairns & Boundary Consolidation	Chalakkudy, Thrissur
3.	Compensatory Afforestation	Chalakkudy
4.	Construction & Maintenance of Camp Shed	Chalakkudy
5.	Construction of Check Dam/ Pond	Chalakkudy, Malayattoor, Thrissur
6.	Eradication of Exotic Weeds	Vazhachal
7.	Interior Campshed & Ration	Malayattoor
8.	Joint Patrolling & Raid	Vazhachal
9.	Soil & Moisture Conservation	Malayattoor

1. Assistance to Tribal VSS

Discussions were held with a VSS group on the implementation of CAMPA activities in Vazhachal Division. Employment through maintenance of plantations under compensatory afforestation, fire watchers, ecotourism activities, and skill development (tailoring units, honey processing) have been provided.

2. Cairns & Boundary Consolidation

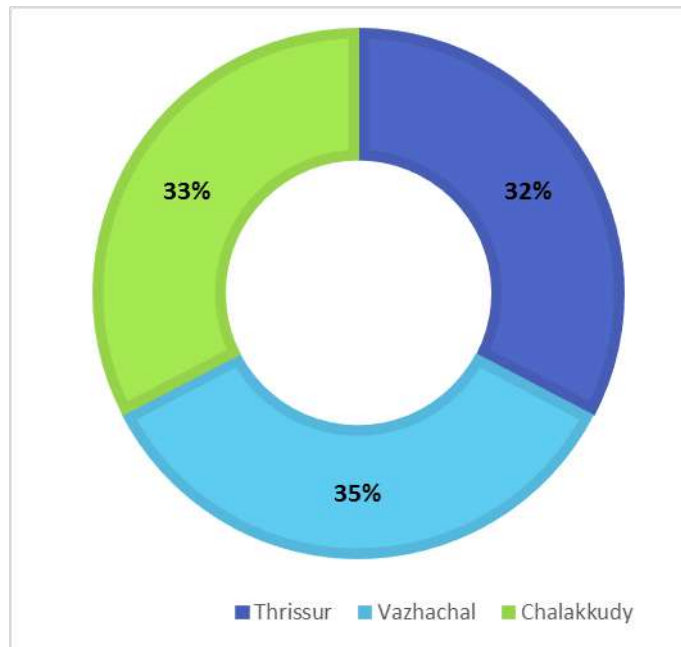
The cairns at the boundary of forests in Mankuttipadam, Vellikulangara Range Chalakkudy were inspected and found damaged. This work was envisaged in 2011-12; however, it was completed in 2014-15.

3. Compensatory Afforestation

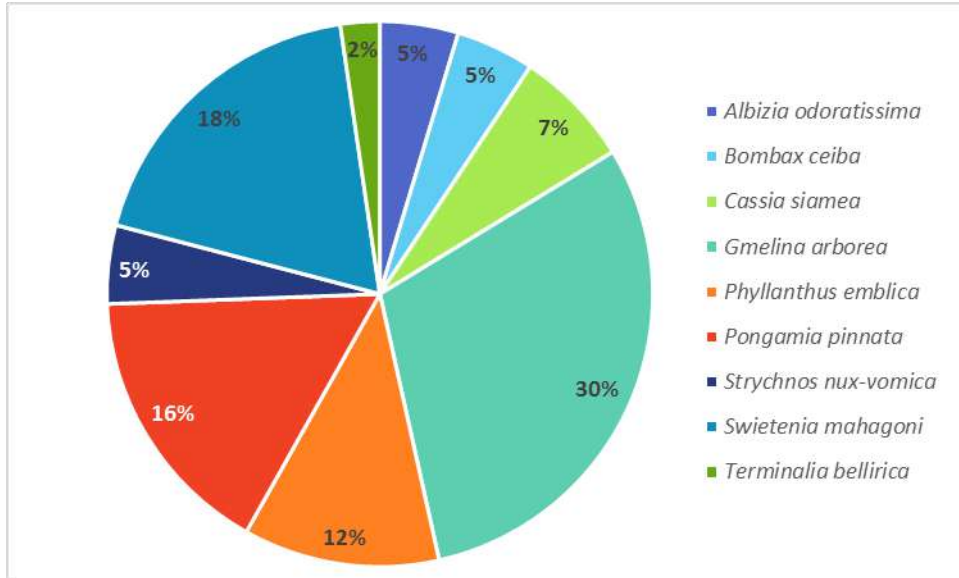
Plant survival Rate: Plant survival rates did not vary significantly between divisions; however, the species composition was different. *Gmelina arborea* was found to perform better in Thrissur and Vazhachal while *Artocarpus heterophyllus* survived better in Chalakkudy.

S. No.	Divisions	Area (ha)/ Planting	Species	Survival (%)	Remarks
1.	Thrissur	18.0 / Gap planting	<i>Albizia odoratissima</i> , <i>Bombax ceiba</i> , <i>Cassia siamea</i> , <i>Gmelina arborea</i> , <i>Phyllanthus emblica</i> , <i>Pongamia pinnata</i> , <i>Strychnos nux-vomica</i> , <i>Swietenia mahagoni</i> ,	80	Pest: Leaf Defoliator Insect: Pungam Gall formation on leaves Leaf spot: Pungam, Leaf blight: Pungam

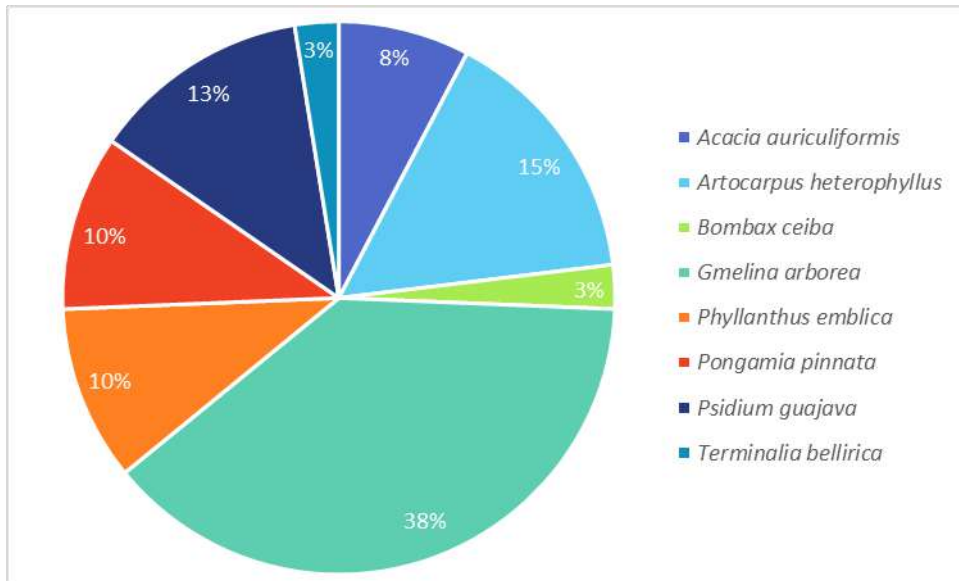
			<i>Terminalia bellirica</i>		Leaf scorching: Ailanthus (Yellow discolouration of leaves)
2.	Vazhachal	10.0 / Gap planting	<i>Acacia auriculiformis, Artocarpus heterophyllus, Bombax ceiba, Gmelina arborea, Phyllanthus emblica, Pongamia pinnata, Psidium guajava, Terminalia bellirica</i>	85	Pest Leaf Defoliator Insect Pungam Gall formation on leaves Leaf spot Pungam, Algal leaf spot Guava Leaf spot: Jack fruit
3.	Chalakkudy	2.12/ Gap planting	<i>Ailanthus excelsa, Artocarpus heterophyllus, Artocarpus hirsutus, Azadirachta indica, Dalbergia latifolia, Dendrocalamus strictus, Pongamia pinnata, Terminalia bellirica, Terminalia paniculata, Wrightia tinctoria</i>	80	1. Emblica - Damaged by sambar deer and caterpillar damage 2. Pungam -Leaf Gall



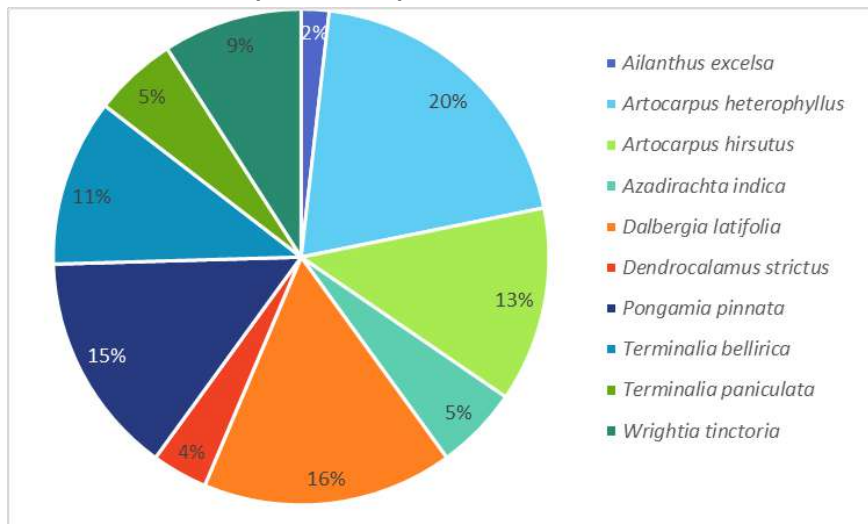
Overall survival rates (%) across divisions



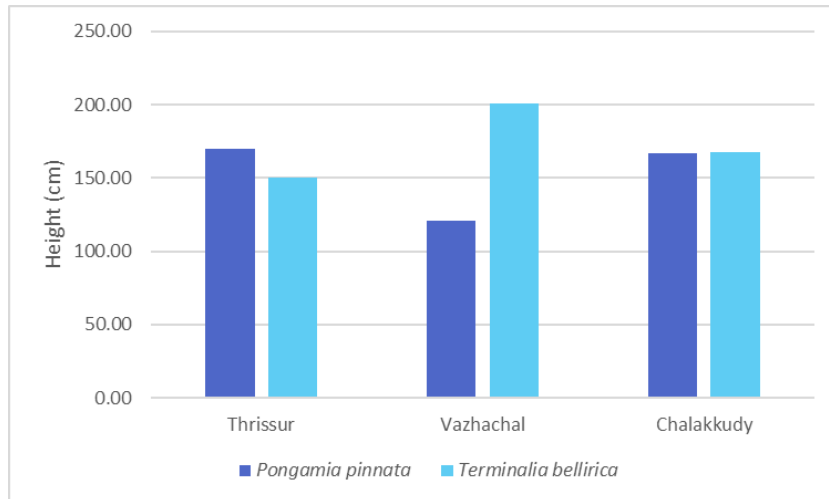
Survival pattern of species in Thrissur Division



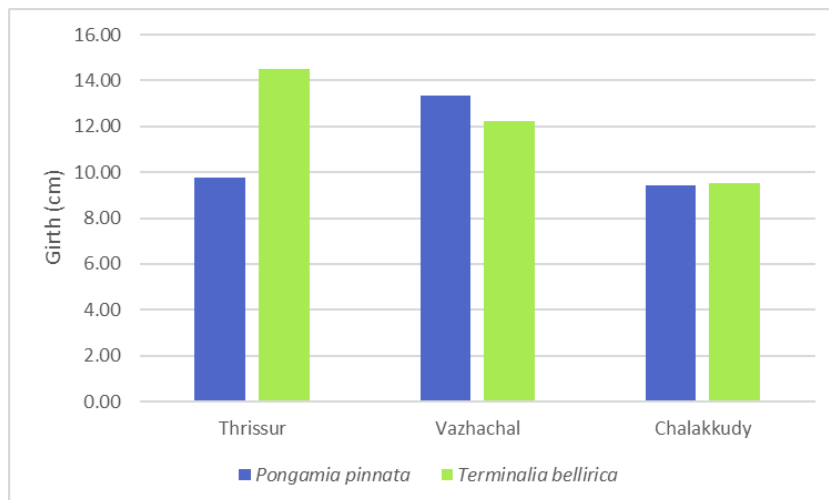
Survival pattern of species in Vazhachal Division



Survival pattern of species in Chalakkudy Division



Height (m) of Pongamia pinnata and Terminalia bellirica across divisions in Central Circle, Thrissur



Basal Girth (cm) of Pongamia pinnata and Terminalia bellirica across divisions in Central Circle, Thrissur





Plant Protection Measures: Different plant protection measures such as watch and ward, fire protection, weeding, etc have been taken in all the divisions to improve plant survival rate. In some cases, the VSS members were involved in maintaining the afforestation activities. Watch and ward was given priority over other protection measures.

Since these plantations were raised during the period 2009-2014, watch and ward provision was made for three years, excluding the plantation year. As a result, the survival rates are good. In the later stage, the site was covered under general monitoring and supervision. This could have led to a low stocking in some of the afforested sites.

Record maintenance: Different records / documents are maintained at the range office with respect to plantations and silvicultural activities. The site map, treatment map and data on survival and growth have been recorded meticulously in the journal. The records and bills related to the plantations are well maintained.

4. Construction & Maintenance of Camp Shed

The construction of collection shed at Chakkiparambu, Malambatty Colony of Palappilly Range is reported to be executed during 2013-2014. Records related to the work were verified.

5. Construction of Check Dam/ Pond

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks

1	N 10°33'43" E 76°18'44"	2015	1.05 x 3.1 x 33.45	The activity was envisaged in 2012-13. The check dam is in good condition.
2	N 10 10" 41.88" E76 39' 55.72"	2015	0.8 x 1.7 x 16.3	The activity was envisaged in 2012-13. The check dam is in good condition.
3	N10 °11'46.9" E76° 33'43.5"	2016	15.25 x 1.20 x 2	The activity was envisaged in 2012-13. The check dam has been partially damaged.

The works were evaluated for the physical existence and for the quality. The specifications of all check dams were checked by verifying the old vouchers and the estimates. It is observed that, one of the check dams in Chalakudy was partially damaged.

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam/ Pattathipara / Thrissur	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	7	High
2.	Check Dam/ Chemminkuthu /Thundaththil/ Malayattoor	The check dam is maintained well and appears healthy	The moisture content in surrounding areas is improved, as evident from the green vegetation.	8	High
3.	Check dam/ Vettilappara/ Chalakudy	The check dam has been partially damaged.	The check dam requires maintenance to improve moisture retention in	5	Medium

			adjoining areas.		
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6. Eradication of Exotic Weeds

Eradication of Exotic weeds was undertaken in Vazhachal Division during 2014-15 against the APO 2011-2012, based on the records verified.

7. Interior Campshed & Ration

The work is reported to be executed during 2009-2010 in Malayattoor Division.

8. Joint Patrolling & Raid

Joint patrolling activities were taken up in Vazhachal division. The activities were verified through inspection of records and found correct.

9. Soil & Moisture Conservation

This activity was undertaken in the Malayattoor Division during 2014 -15 against the APO 2010-2011. The work is reported to be executed at Nediapara in Pooyamkutty Forest Station, based on the records verified.

Four activities were planned during 2010-11 in the circle, two during 2011-12, one each during 2009-10, 2012-13 and 2013-14. Spillovers were observed in many of the activities such as check dams, SMC activities. Overall, an amount of Rs. 54.81 lakhs was allotted to the circle during the period of which 97.8 percent financial achievement was observed.

High Range Circle, Kottayam (2009-2014)

The evaluation covered five forest divisions of the circle. They include

1. Kothamangalam
2. Kottayam
3. Mankulam
4. Marayoor
5. Munnar

Seven different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Kothamangalam, Munnar
2.	Construction & Maintenance of Camp Shed	Kothamangalam
3.	Construction of Check Dam/ Pond	Kothamangalam, Kottayam, Mankulam, Marayoor, Munnar
4.	Interior Campshed & Ration	Kothamangalam
5.	Joint Patrolling & Raid	Marayur
6.	Purchase of Equipment	Kothamangalam
7.	Soil & Moisture Conservation	Kothamangalam, Munnar

1. Assistance to Tribal VSS

Discussions were held with two VSS groups on the implementation of CAMPA activities in Kothamangalam and Munnar Divisions. The Tribal VSS were engaged in protection mazdoor, for collection, protection and sale of MFP at Thommankuthu Eco- Tourism Centre in Neduvakkadu Section in Kaliyar Range.

2. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m ²)	Remarks
1	N09.91025° E76.88235° Elevation- 569 m	2010 -2011	33.8	The work was carried out during 2013-2014 and completed in 2014-15.



Campshed completely destroyed by elephants

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium)	Assessment on the quality of the asset - High,

				>3 to<7, High 7 to 10	Medium, Low
1.	Anti-Poaching Campshed/Kotham angalam/Thodupuz ha/Keezhar	The campshed is completely destroyed by elephants.	Inconvenient for the anti- poaching squad.	Low	Low

2. Construction of Check Dam/ Pond

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1	N10.02016° E76.7338° Elevation- 56 m	2012-2013	12.75; 4.08; 2.04; 12.0	Four check dams were assessed. The structures are in good condition.
2	N09°27.402' E76°55.342' Elevation- 147 m	2012-2013	2.4; 7.68; 2.52; 2.52	The structures are in good condition. The work was carried out during 2014-2015 and completed in 2015.
3	N10° 14' 39.88" E77° 10' 39.96" Elevation- 1023m	2012-2013	9.408	The structure is in good condition.
4	N10° 04' 48.79" E77° 56' 12.75" Elevation- 1056m	2014-2015	Plastering: 58.75 Earthwork: 58.05 Foundation: 33.15 RCC: 26.1	The structure is in good condition. The work was carried out during 2014- 2015.





Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam/ Kothamangalam/ Mullaringad	Water is stored to half-capacity	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth.	9	High

2.	Check dam/ Kottayam/ Erumely/ Kalaketty Parathode	Water is stored to full capacity.	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth.	10	High
3.	Check dam/ Marayoor/ Kanakayam/Kanthalloor	Water is stored to half-capacity	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth.	9	High
4.	Check Dam/ Mankulam/ Mankulam/ Kambany Kudy	Water is stored to half-capacity	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth.	9	High

5. Interior Campshed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 10.01621° E 76.78644° Elevation- 78 m	2009-2010	Room: 5.0 x 4.0 Toilet : 1.25 x 1.5	The camp shed was constructed with steel structure and covered with GI corrugated sheets. The work was carried out during 2012-2013.



Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Campshed/ Kothamangalam/ Mullaringad	The camp shed is maintained well and in use.	The shed is regularly used by the frontline staff.	10	High

6. Joint Patrolling & Raid

Joint patrolling activities were taken up in Marayoor division. The activities were verified through inspection of records and found correct.

7. Soil & Moisture Conservation

Gully plugging was carried out in Marayoor Division.

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N10° 15' 32.98" E77° 08' 55.42" Elevation- 1018m	2012-2013	7.6 x 2.57	The structure is in good condition.
2.	N10° 15' 11.72" E77° 08' 57.77" Elevation- 967m	2012-2013	7.6 x 2.57	The structure is in good condition.



Present status of gully plugging at Pobson Oda Thodu at Marayoor



Present status of gully plugging at Kozhippanna Thodu at Marayoor

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10	Assessment on the quality of the asset - High, Medium, Low
1.	Gully Plugging/ Marayoor/ Marayoor/ Nachivayal Sandal Reserve (NSR-II)/ Pobson Oda Thodu	The gully plugging structure is intact.	The gully plugs have enabled stabilisation of the soil to a large extent.	8	High
2.	Gully Plugging/ Marayoor/ Marayoor/ Nachivayal Sandal Reserve (NSR-II)/ Kozhippanna Thodu	Four gully pluggings undertaken in Kuppanodu Thodu, Pobson Oda Thodu, Kozhippanna Thodu and Eco Point Thodu are intact.	The gully plugs have enabled stabilisation of the soil to a large extent.	7	High

In Kottayam division, this work was carried out during 2017-18.

Two activities were taken up during 2009-10 in the circle, four during 2010-11, one during 2012-13. Construction of check dams was the major activity taken up in the Circle during the period. No new activities were taken up during 2013-14. Activities envisaged in 2012-13 were completed during this period. Check dam construction at Mankulam is reported to be executed during 2012-13 however, no physical verification could be done. SMC works at Kothamangalam is reported to be executed during 2013-2014. The circle implemented all the activities listed in the APO. Overall, an amount of Rs. 43.5 lakhs was allotted to the circle during the period of which 92 percent financial achievement was observed.

Southern Circle, Kollam (2009-2014)

The evaluation covered six forest divisions of the circle. They include

1. Achenkovil
2. Konni
3. Punalur
4. Ranni
5. Thenmala
6. Thiruvananthapuram

Nine different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Konni, Ranni
2.	Interior Campshed & Ration	Konni, Ranni
3.	Catchment Area Treatment	Ranni
4.	Compensatory Afforestation	Konni, Ranni, Punalur, Thenmala
5.	Construction & Maintenance of Camp Shed	Achenkovil, Punalur
6.	Construction of Check Dam/ Pond	Konni, Ranni
7.	Joint Patrolling & Raid	Konni, Ranni
8.	Purchase of Equipment	Ranni
9.	Soil & Moisture Conservation	Achenkovil and Ranni

1. Assistance to Tribal VSS

Discussions were held with two VSS groups on the implementation of CAMPA activities in Konni and Ranni Divisions. Employment through maintenance of plantations under compensatory afforestation, fire watchers, ecotourism activities, and facilities such as gas connections, support for childrens' education, solar lights, skill development (tailoring units, hand made products) have been provided.

The Focussed Group Discussions revealed that the departmental interventions in these areas are in consultation with the people. In those areas, where there is scope for revenue from NTFPs, people have taken interest in the management and protection of the worked areas. The people have taken care to prevent fire and restrict grazing. In other areas, where usufructs are not forthcoming immediately, the people have not shown much interest about the management of the forest areas. The involvement of the Scheduled Tribes in the divisions was very evident. The department has taken sufficient care to address the interests of the Scheduled Tribes while developing management plans with sufficient flexibility .



2. Interior Campshed & Ration

Vouchers verified and found correct. Ration was provided to Ranni and Konni division. The supply and items were verified through inspection of records and found correct.

3. Catchment Area Treatment

River bank stabilisation efforts were undertaken for a stretch of 2.5 km along the Kallar river. *Bambusa bambos* was planted as part of the stabilisation efforts, however due to heavy and frequenting floods, most of the bamboos have been washed away. Natural vegetation has established in the area, acting as a vegetative cover.

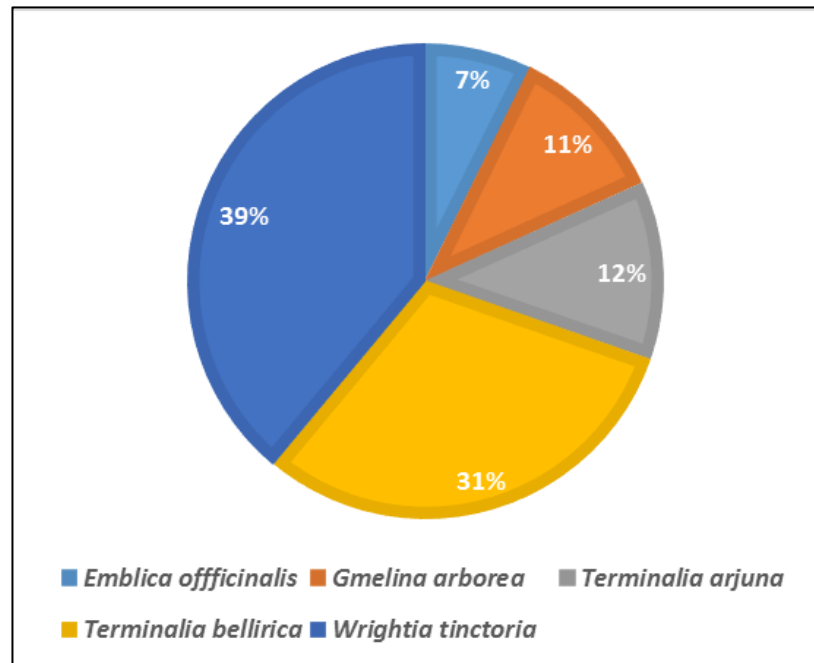
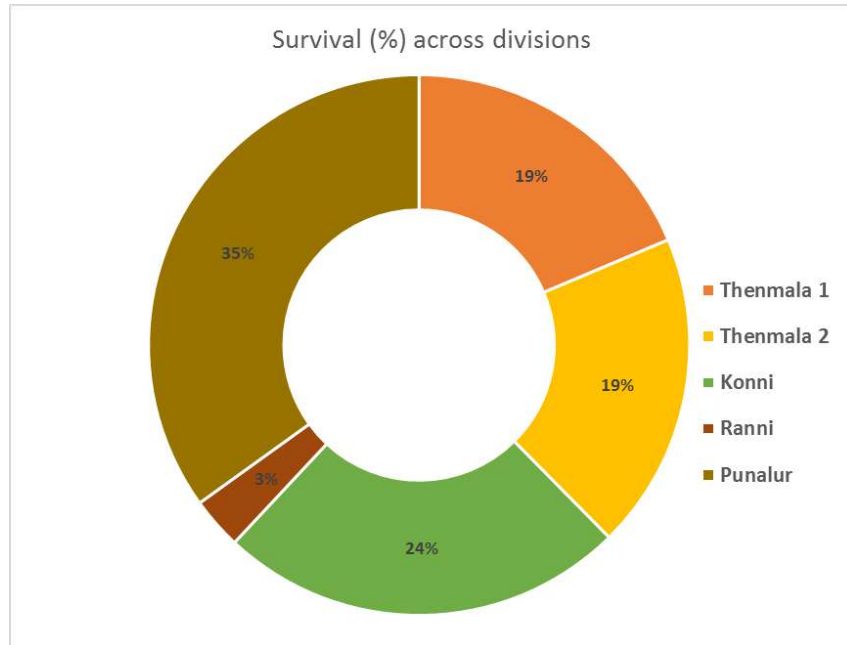


4. Compensatory Afforestation

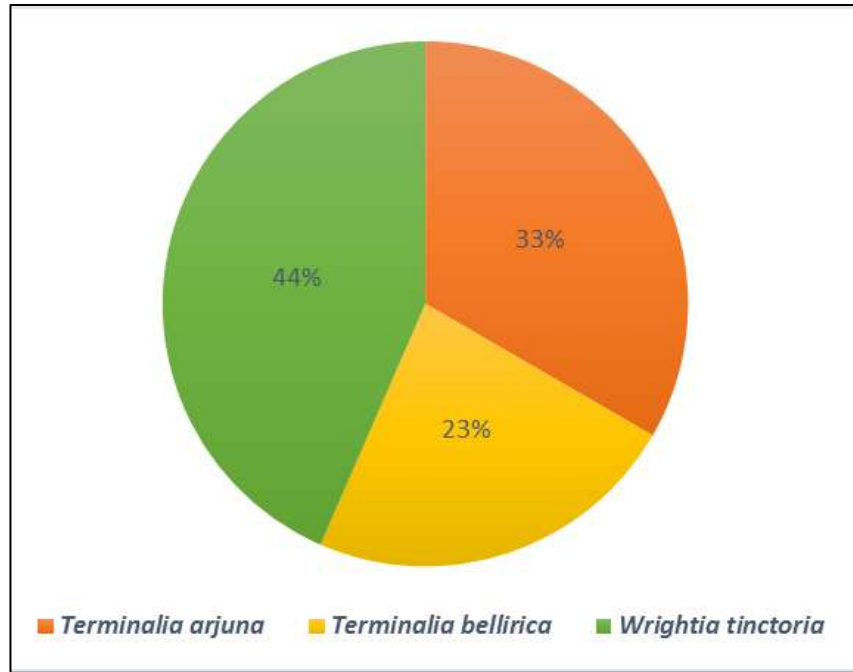
Plant survival Rate: Survival rates of different species varied between divisions. Within the same division (Thenmala), however, no differences were observed in the survival rate in two different sites. Gap planting undertaken in Punalur showed highest survival rates.

S. No.	Divisions	Area (ha)/ Planting	Species	Survival (%)	Remarks
1.	Konni	4.25 / Gap planting	<i>Terminalia eliptica</i> , <i>Terminalia paniculata</i> , <i>Xylia xylocarpa</i> , <i>Lagerstroemia microcarpa</i> , <i>Terminalia bellarica</i> , <i>Dalbergia latifolia</i> , <i>Grewia tiliifolia</i>	58	Maintained subsequently for 4 years. Hence plantation established well. <i>Lagerstroemia microcarpa</i> was not recorded.
2.	Ranni	10/ Gap planting	<i>Hopea parviflora</i> , <i>Dysoxylum malabaricum</i> , <i>Cassia fistula</i> , <i>Atrocarpus hirsutus</i> , <i>Dalbergia latifolia</i> , <i>Schleichera oleosa</i> , <i>Terminalia</i>	7.0	Heavy infestation of the invasive - Kurinji (<i>Strobilanthes</i> sp.) which prevented establishment of the planted saplings.

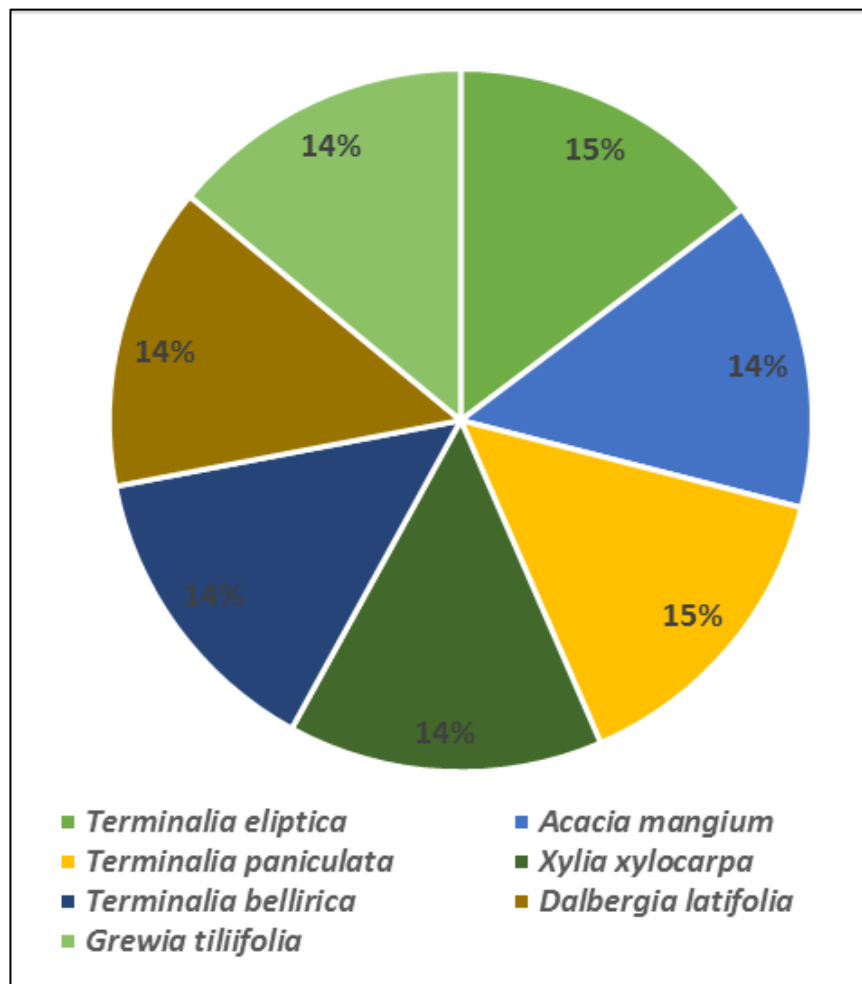
			<i>bellarica, Phyllanthus emblica, Syzygium cumini</i>		<i>Cassia fistula, Dalbergia latifolia and Artocarpus hirsutus</i> established well. Further, as the planting was within a dense forest, wild animals such as elephants, bear, wild boar and deer prevented effective plantation. Replanting has been attempted..
3.	Punalur	5 / Gap planting	<i>Terminalia bellirica, Hopea parviflora, Xylia xylocarpa, Schleicheria oleosa, Artocarpus hirsutus</i>	83.2	The site was well stocked due to subsequent maintenance. Most of the species established well. Natural regeneration of species such as bamboos and <i>Macaranga peltata</i> was observed.
4.	Thenmala 1	25 / Gap planting	<i>Wrightia tinctoria, Emblica officinalis, Swietenia mahagoni, Gmelina arborea, Terminalia bellirica, Tamarindus indica</i>	45	<i>Emblica officinalis, Swietenia mahagoni, Gmelina arborea, Tamarindus indica</i> did not survive in the plantations. Heavy loss of plants recorded due to elephant trampling.
5.	Thenmala 2	35 / Gap planting	<i>Swietenia mahagoni, Gmelina arborea, Wrightia tinctoria, Terminalia bellirica, Terminailia arjuna</i>	45	Damage to the plantation due to grazing, sambar deer and elephant.



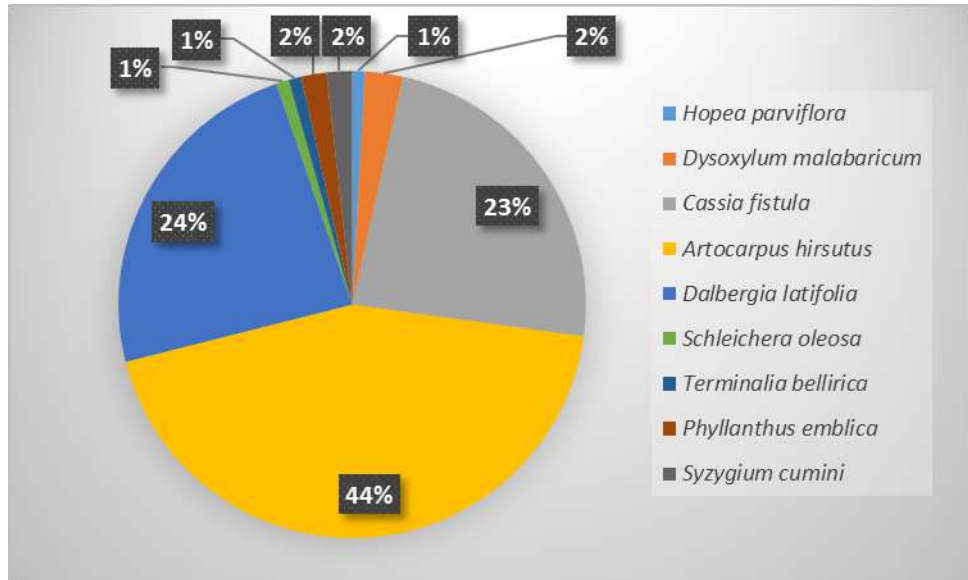
Survival rates of different species in Thenmala1



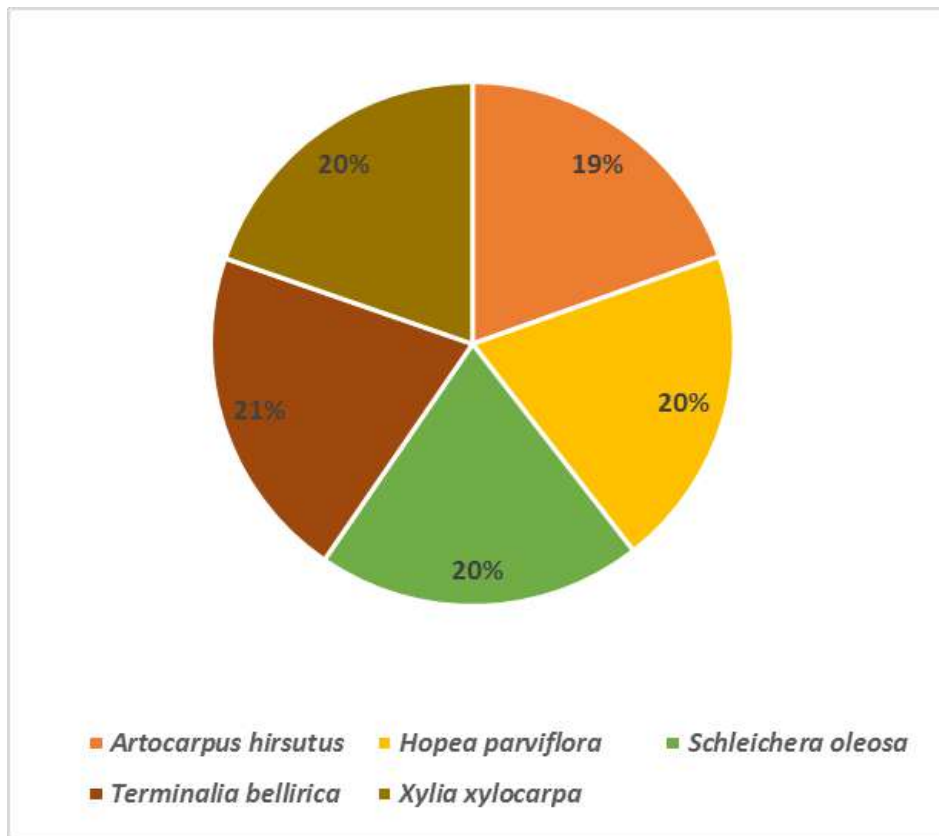
Survival rates of different species in Thenmala2



Survival rates of different species in Konni

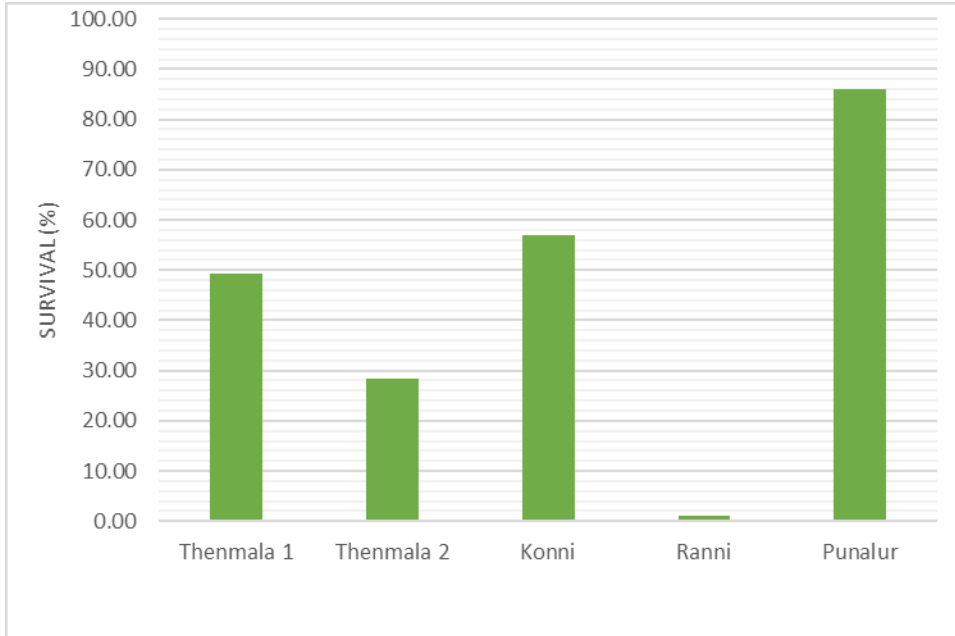


Survival rates of different species in Ranni

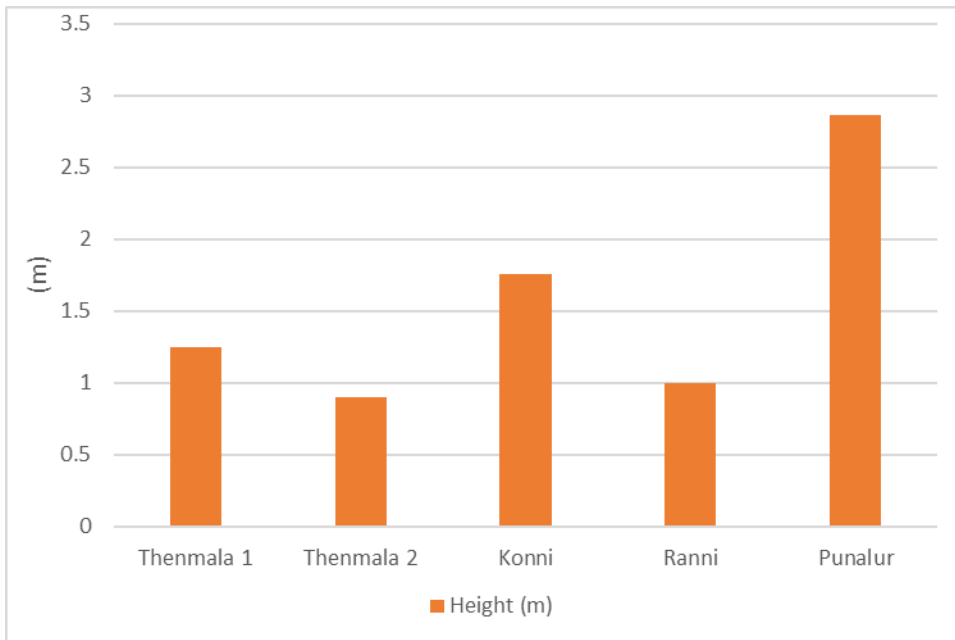


Survival rates of different species in Punalur

Terminalia bellirica was the only species planted across divisions. The species varied in survival and growth performance in different sites.



Survival of Terminalia bellirica across locations



Growth (Height in m) of Terminalia bellirica across divisions in SC Kollam

Plant Protection Measures: Different plant protection measures such as watch and ward, fire protection, weeding, etc have been taken in all the divisions to improve plant survival rate. In some cases, the VSS members were involved in maintaining the afforestation activities. Watch and ward was given priority over other protection measures.

Since these plantations were raised during the period 2009-2014, watch and ward provision was made for three years, excluding the plantation year. As a result, the survival rates are good. In the later stage, the site was covered under general monitoring and supervision. This could have led to a low stocking in some of the afforested sites.

Record maintenance: Different records / documents are maintained at the range office with respect to plantations and silvicultural activities. The site map, treatment map and data on survival and growth have been recorded meticulously in the journal. The records and bills related to the plantations are maintained well.

Remarks:

- Indigenous tree species are selected for planting.
- Most of the plantation activities were carried out by frontline officials without additional labour. Hence no additional expenses were incurred.
- Maintenance work was done by the VSS members.
- It was learnt from the forest officials that due to grazing by Sambar deer and elephant lot of casualties reported in this plantation.



Current status of compensatory afforestation plantation at Nedungalloor Pacha, Edamon section (2014)



Current status of compensatory afforestation plantation at Nedungalloor Pacha, Edamon section (2014)



Current status of compensatory afforestation plantation at Nedungalloor Pacha, Edamon section (2014)



Review team of compensatory afforestation plantation at Nedungalloor Pacha, Edamon section (2014)



Review team at Gap Planting site at Pinangathodu, Kakkathodu Forest Station, Naduvathumoozhy, Konni (2014)



Current status of compensatory afforestation plantation at Pinangathode, Konni (2014)

S.No.	Species Planted in Compensatory Afforestation Programmes
1.	<i>Acacia mangium</i>
2.	<i>Artocarpus hirsutus</i>
3.	<i>Cassia fistula</i>
4.	<i>Dalbergia latifolia</i>
5.	<i>Dysoxylum malabaricum</i>
6.	<i>Emblica officinalis</i>
7.	<i>Gmelina arborea</i>
8.	<i>Grewia tiliifolia</i>
9.	<i>Hopea parviflora</i>
10.	<i>Schleichera oleosa</i>
11.	<i>Syzygium cumini</i>
12.	<i>Terminalia arjuna</i>
13.	<i>Terminalia bellirica</i>
14.	<i>Terminalia eliptica</i>
15.	<i>Terminalia paniculata</i>
16.	<i>Wrightia tinctoria</i>
17.	<i>Xylia xylocarpa</i>

5. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m ²)	Remarks
1	N 9°7'58.848" E 77°11'55.518"	2010 -2011	120	The camp shed was constructed at Kattikuzhy for the convenience of the anti-poaching squad. The shed has an elephant trench of dimensions 20 x 3 x 2.5 m around it. Despite this, the camp shed has been damaged by elephants. The camp shed requires maintenance.
2	N 08° 59' 47.48" E 77° 03' 30.78"	2010 -2011	46.96	The camp shed constructed during 2010-2011 was damaged. It was refurbished later with funding from other sources.

The works were evaluated for the physical existence and for the quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates. It is observed that, the building maintenance was found necessary in Kattikuzhi, and is very useful to the frontline staff.



Camp Shed at Kattikuzhy with elephant trench

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low

1.	Camp Shed/ Achenkovil/ Kattikuzhi	The campshed has been established at Kattikuzhy. Temporarily used by Anti-Poaching squad. Solar panel installed in the camp shed. Though there is a protective EPT, the campshed has been damaged and requires maintenance.	Temporarily used by Anti Poaching squad in transit.	5	Medium
2.	Camp Shed/ Punalur/ Mambazhathara	The structure was damaged so it was demolished and rebuilt later using funds from other sources.	Presently in use by VSS.	8	High

6. Construction of Check Dam/ Pond

It was reported that heavy and recurrent floods completely damaged the check dams.

7. Joint Patrolling & Raid

Joint patrolling activities were taken up in Konni division. The activities were verified through inspection of records and found correct.

8. Purchase of Equipment

The records revealed that field equipment for antipoaching squad and watchers such as torches, emergency life saving equipments, solar charged lights were procured and distributed.

9. Soil & Moisture Conservation

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 9°7'26.58" E 77°11'24.912"	2010 -2011	7.8 x 1.26 x 1.65; 6 x 1.00 x 1.5; 5 x 1.0 x 1.0; 4 x 0.5 x 0.5; 7.0 x 1.5 x 1.0; 4 x 1.2 x 1.6; 5.6 x 1.45 x 1.0	Inspected six gullies at Vazhaperiyar. They displayed minimal damage which the staff mentioned was due to washing away in floods.
2	N 9°8'09.06" E 77°12'0.006"	2010-2011	3.8 x 1.5 x 0.65 ; 13.33 x 1.37 x	Inspected three gullies at Kattikuzhi. All the three gullies are in good

			0.73; 0.55 x 1.6 x 0.35	condition. The frontline staff regularly inspect the gullies, as it is the breeding ground for endemic fishes.
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Gully plugging at Kattikuzhi



Three gullies in line at Kattikuzhi



Gully Plugging at Vakkalar



Gully plugging at Goodrickal

Two activities were taken up during 2009-10 in the circle, four during 2010-11, two each during 2011-12, 2012-13 and 2013-14. The circle implemented all the activities listed in the APO. No spillovers were observed. Overall, an amount of Rs. 103.9 lakhs was allotted to the circle during the period of which 95 percent financial achievement was observed.

WILDLIFE CIRCLE PALAKKAD (2009-2014)

The evaluation covered four divisions of the circle. They include

1. Peechi
2. Parambikulam
3. Silent Valley
4. Wayanad

Seventeen different activities were undertaken in the circle. The distribution of activities is as follows:

S.No.	Activity	Divisions
1.	Assistance to Tribal VSS	Parambikulam, Peechi
2.	Check Dam	Wayanad, Parambikulam, Peechi
3.	Construction & Maintenance of Camp Shed	Silent valley, Wayanad
4.	Eco Development	Peechi
5.	Eco-Tourism & Training	Peechi
6.	Fire Protection	Peechi
7.	Habitat Improvement	Peechi
8.	Improving Connectivity	Parambikulam, Peechi, Silent Valley, Wayanad
9.	Infrastructure Development	Peechi
10.	Joint Patrolling & Raid	Silent valley
11.	Mitigation Man- Animal Conflict	Peechi
12.	Protection & Maintenance of Antipoaching Camp Shed	Parambikulam, Aaralam, Peechi, Silentvalley, Wayanad
13.	Protection Camp Shed & Ration	Silent Valley, Wayanad
14.	Publicity & Awareness	Peechi
15.	Research & Development	Peechi
16.	Road Maintenance	Peechi
17.	Soil & Moisture Conservation	Peechi, Silent valley, Wayanad

1. Assistance to Tribal VSS

Discussions were held with two VSS groups on the implementation of CAMPA activities in Parambikulam and Peechi Divisions. The Tribal VSS were engaged in Protection Mazdoor, for collection, protection and sale of MFP at Parambikulam Eco- Tourism Centres.

2. Check Dam

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N-10.38654 E-76.748424	2012-13	21 x 3 x 1	The activity was carried out during 2014-15.
2	N-10.38654 E-76.748424	2012-13	13 x 1.2 x 3	The activity was carried out during 2014-15.
3	N-1105'1.213" E-76028'50.35"	2013-14	13.50 x 1 x 3.2	The activity was carried out during 2014-15.
4	N-1103'5.4912" E-76030'52.121"	2013-14	7 x 1.5 x 0.5	The activity was carried out during 2014-15.

The works were evaluated for their physical existence and their quality. The specifications of all check dams were checked by verifying the old vouchers and the estimates. It is observed that, one of the check dams in Chorakulam was partially damaged.

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check dam/ Parambikulam WLS / Karimala / Chorakulam	The structure is partially damaged (~ 10 per cent) and requires renovation.	The check dam requires maintenance to improve moisture retention in the adjoining areas.	5	Medium
2.	Check dam/ Parambikulam WLS / Karimala / Chorakulam	The structure is in good condition.	The moisture content in surrounding areas is improved, as evident from the green vegetation.	8	High
3.	Check dam/ Silent Valley NP /Bhavani / Panthanthod	The structure is in good condition.	The moisture content in surrounding areas is improved, as evident from the green vegetation.	8	High
4.	Check dam / Silent Valley NP /Bhavani/ Keeripara	The structure is in good condition.	The moisture content in surrounding areas is improved, as evident from the green vegetation.		

5. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m ²)	Remarks
1	N-11°3'5.4912" E-76°30'52.181"	2009-2010	136.62	The work was carried out during 2013-2014.
2	N-11°5'1.213" E-76°28'50.35"	2013-2014	6.93	The work was carried out during 2014-2015.

The camp sheds were evaluated for their physical existence and quality. Vouchers and the estimates were verified and found correct.

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Silent Valley National Park/ Bhavani /Keeripara	Only maintenance activities were taken up – Repair of ceiling, basement, replacement of door and windows.	The shed is regularly used by the frontline staff.	8	High
2.	Silent Valley National Park/ Silent Valley/ Panthanthode	Earthwork and excavation activities pertaining to maintenance were carried out.	The shed is regularly used by the frontline staff.	8	High

3. Eco-Tourism & Training

The activities were verified through inspection of records and found correct.

4. Fire Protection

The activities undertaken between Mampara and Kotikattipura, and Chamipallam to Mampara were verified through inspection of records and found correct.

5. Improving Connectivity

Patrolling routes were cleared and maintained in Parambikulam, Peechi, Silent Valley and Wayanad . The activities were verified through inspection of records and found correct.

GPS Locations	Year	Dimensions	Remarks
N 11°55'46.058'' E 75°51'23.063''	2011-12	Width: 3.2m Length: 2.5km	Trek path- Chullikandam
N 11°55'59.4474'' E 75°48'32.2303''	2011-12	Width: 3.2m Length: 5km	Trek path at Kariankappu Meenmutti

6. Infrastructure Development

Improvements were made to the division office and inspection bungalow at Peechi. The activities were verified through inspection of records and found correct.

7. Joint Patrolling & Raid

Joint patrolling activities were taken up in Silent Valley division. The activities were verified through inspection of records and found correct.

8. Protection & Maintenance of Antipoaching Camp Shed

The activities were verified through inspection of records and found correct.

9. Protection Camp Shed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 11° 09' 04.0" E 76° 31' 44.2"	2009-2010	4.0 x 6.0	The structure is in good condition.
2	N 11° 36' 28.1" E 76° 22' 52"	2009-2010	6.0 x 3.7	The structure is in good condition.

The protection campsheds were evaluated for their physical existence and the quality of the assets. The specifications of the camp sheds were checked by physical measurements and verifying the old vouchers and estimates.



Camp shed at Thudukki

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Protection Camp shed / Thudukki/ Bhavani/Silent Valley	The structure is in good condition.	It is regularly used by the frontline staff.	7	High
2.	Protection Camp shed / Cheeradankolli /	The structure is in good condition.	It is regularly used by the frontline staff.	7	High

Muthanga/ Wayanad				
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10. Publicity & Awareness

The activities carried out in Peechi were verified through inspection of records and found correct.

11. Road Maintenance

It is reported that coupe road maintenance in Peechi-Vazhani WLS was taken up.



Coupe road in Peechi-Vazhani WLS

12. Soil & Moisture Conservation

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1.	N-11° 03' '29.48" E-76°03''23.79"	2013-14	6.14	The activity was completed in 2015.
2.	N-11°03''29.40" E-76°03''27.97"	2013-14	6.85	The activity was completed in 2015.
3.	N-11°03''29.46" E-76' 03'23.79"	2013-14	6.54	The activity was completed in 2015.
4.	N-11°43'42.222" E-76°21'17.514	2013-14	124	The creation of bunds was completed in 2015.
5.	N-11°38'31.2" E-76°25'21.264	2013-14	118	The creation of bunds was completed in 2015.

6.	N-11°47'52.416" E-76°13'43.492	2013-14	440	Maintenance works were carried out.
7.	N-11°46'11.002" E-76°17'59.288"	2013-14	377.60	Maintenance works were carried out.
8.	N10°26'39.24" E76°27'27.828"	2013-14	9.8	The activity was completed in 2015.



The works were evaluated for the physical existence and for the quality. The specifications of all SMC activities were verified with measurement books and found correct.

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Gully pluggings/ Silent Valley NP/ Bhavani/Keeripara	The gully is healthy	The gully have helped arrest soil erosion and rehabilitate surrounding areas	8	High
2.	Gully pluggings/ Silent Valley NP/ Bhavani/Paalichola	The gully is healthy	The gully have helped arrest soil erosion	8	High

			and rehabilitate surrounding areas		
3.	Gully pluggings/ Silent Valley NP/ Bhavani/Paalichola	The gully is healthy	The gully have helped arrest soil erosion and rehabilitate surrounding areas	8	High
4.	Contour bunding & Earthern bunding / Wayanad /Kalavayal	The bunds are in good condition.	Helps slow down the run-off in the hilly terrain.	8	High
5.	Contour bunding & Earthern bunding / Wayanad/Muthappan kuzhi	The bunds are in good condition.	Helps slow down the run-off in the hilly terrain.	8	High
6.	Contour bunding & Earthern bunding / Wayanad/Charakullasi	The bunds are in good condition. Only maintenance works were taken up.	Helps slow down the run-off in the hilly terrain.	8	High
7.	Contour bunding & Earthern bunding / Wayanad /Golur	The bunds are in good condition. Only maintenance works were taken up.	Helps slow down the run-off in the hilly terrain.	8	High
8.	Pond Desiltation/ Peechi WLS /Aiyappangundu	The pond area has increased by 25 per cent.	Helps collect water, and prevents run-off.	10	High



This circle undertook the highest number of activities during the period 2009-2014. Fourteen activities were carried out in Peechi. The circle implemented most activities listed in the APO. Spillovers were observed in many of the activities, especially where structures were created / maintained. Overall, an amount of Rs. 148.85 lakhs was allotted to the circle during the period of which 81 percent financial achievement was observed.

FIELD DIRECTOR PROJECT TIGER, KOTTAYAM (2009-2014)

The evaluation covered four forest divisions of the circle. They include

1. Periyar East Division
2. Periyar West Division
3. Idukki WL
4. Munnar WL

Eight different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Anti Poaching Squad	Idukki WL
2.	Assistance to Tribal VSS	Periyar East Division, Periyar West Division
3.	Awareness & Natural Camp	Periyar West Division
4.	Construction & Maintenance of Camp Shed	Periyar West Division
5.	Construction of Check Dam	Idukki WL, Munnar WL
6.	Improving Connectivity	Periyar East Division
7.	Joint Patrolling & Raid	Periyar East Division
8.	Protection Camp Shed & Ration	Periyar West Division

1. Anti Poaching Squad

Provision of ration to the anti poaching squad was undertaken. The activities were verified through inspection of records and found correct.

2. Assistance to Tribal VSS

Discussions were held with two VSS groups on the implementation of CAMPA activities in East and West Periyar Divisions. The Tribal VSS were engaged in protection related activities, for collection and sale of MFP.

3. Awareness & Natural Camp

The staff informed that the activities pertaining to awareness have been completed. However, it could not be verified through records.

4. Construction of Check Dam

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 10°07'45.35" E 76°44'58.25"	2011-12	12 x 1.2 x 1.5	The structure remains intact and in good condition.
2	N 10°07'39.10" E 76°45'09.56"	2013-14	11 x 0.8 x 1	The structure is in good condition.

The works were evaluated for the physical existence and for the quality. The specifications of check dams were verified from the old vouchers and the estimates.



Urulanthanni Check Dam

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam/ Idukki WL/ TBS/ Vettuthandu/ Bharnikuzhi	The structure is in good condition. Water is stored in full capacity.	Water is made available to neighbouring villages.	9	High
2.	Check Dam/ Idukki WL/ TBS/ Urulanthanni	The structure is in good condition. Water is stored in full capacity.	Water is made available to neighbouring villages.	9	High

5. Improving Connectivity

Patrolling routes were cleared and maintained in Periyar East Division. The activities were verified through inspection of records and found correct.



6. Joint Patrolling & Raid

Joint patrolling activities were taken up in Periyar East Division. The activities were verified through inspection of records and found correct.

7. Protection Camp Shed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 09°27'51.22" E 77°05'28.41"	2009-2010	5 x 4.8 x 5	Records verified for brick work, RCC Work roofing with AC, Flooring with concrete, engaging man mazdoor etc.

The works were evaluated for the physical existence and for the quality. The specifications of the camp sheds were checked by verifying the old vouchers and the estimates. It is observed that, the building maintenance was found necessary; the APC is very useful to the frontline staff.



Protection Campshed at Uppupara with Forest Department staff

Observations of the team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	APC/ PTR(West)/ Azhutha/Uppupara	The campshed has been established at Uppupara. Used by Anti-Poaching squad. Good structure requiring minimal maintenance.	Used by Anti Poaching squad in transit.	8	High

Four activities were taken up during 2009-10 in the circle, three during 2011-12, and one during 2012-13. No activities were taken up in 2010-11 and 2013-14. The circle implemented all the activities listed in the APO. Overall, an amount of Rs. 26.60 lakhs was allotted to the circle during the period of which 99 percent financial achievement was observed.

AGASTHYAVANAM BIOLOGICAL PARK CIRCLE (2009-2014)

The evaluation covered both Shendurney and Thiruvananthapuram Wildlife Divisions of the circle. Four different activities were undertaken in the circle.

1. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 08° 32' 48.1" E 77° 13' 03.5"	2013 - 2014	5 x 4.8 x 5	The camp shed was constructed during the financial year 2013 – 2014 using wooden poles, GI sheets and foundation was made with rocks. The walls and the roof are covered with GI sheets. Also, a watch tower has been constructed near it.
2	N 08° 31' 38.9" E 77° 13' 38.5"	2010 -2011	5 x 4.8 x 5	The camp shed was constructed during the financial year 2013 – 2014 using wooden poles, GI sheets over a foundation made with rocks. The four walls and the roof were covered with GI sheets. The structure was damaged so it was demolished and rebuilt later under using funds from other source.
3	N 08° 52' 22.517" E 77° 7' 6.832"	2010 -2011	2.6 x 1.55 x 2.5; 2.6 x 1.55 x 2.10	The bathroom was constructed near the Rockwood camp shed site in the Rockwood estate using bricks and cement. The roof is covered with GI sheets. The interior is tiled and has water connection. The condition of the bathroom is excellent.
4	N 08° 55' 59.346" E 77° 7' 35.6"	2010 -2011	4.5 x 4.5 x 3	There are two campsheds on the site and both are well maintained.

The works were evaluated for the physical existence and for the quality. The specifications were checked by verifying the old vouchers and the estimates. It is observed that, the building maintenance was found necessary in some cases and was very useful to the occupants.



Campshed at Site 1



Campshed at Site 2



Debris of the Damaged structure at Site 2



Campshed at Site 3



Campshed at Site 4



Check Dam at Site 5

2. Construction of Check Dam

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 8 33'35" E 77 10'19"	2012 -2013	8 x 1 x 0.90	The check dam is well maintained and we could observe soil moisture and good vegetation in the surrounding area.

3. Joint Patrolling & Raid

Joint patrolling activities were taken up in both the wildlife divisions. The activities were verified through inspection of records and found correct.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Thiruvananthapuram Wildlife/ Neyyar, Kottoor section/ Uttaramkayam	The campshed has been established near the Aayiramkaal tribal settlement. Also, a watch tower has been constructed near it.	Presently supports the tribals.	5	Medium
2.	Camp Shed/ Thiruvananthapuram Wildlife/ Neyyar, Klamala-I section/ Valliyar	The structure was damaged so it was demolished and rebuilt later under using funds from other source	Presently in use.	8	High
3.	Camp Shed/ Shenduruney Wildlife /	The bathroom was repaired.	Well maintained.	8	High

	Shenduruney Kalluvaranbu section / Rockwood estate				
4.	Camp Shed/ Shenduruney Wildlife / Shenduruney Wildlife Kalamkunnu section / Idimuzhanganpara	Two camp sheds are present.	Both camp sheds well maintained and used.	8	High
5.	Check Dam/ Thiruvananthapuram Wildlife/ Agasthyavanam Biological Park Range Kottoor / Kadakamvetty	The check dam constructed in 2012-13 is well maintained. Due to silt deposition the depth of the check dam got reduced.	Enhanced soil moisture and good vegetation observed in the area.	5	Medium

Three activities were taken up during 2010-11 in the circle, while just one activity (check dam construction) was taken up during 2012-13. One camp shed which was to be constructed in 2010-11 was taken up in only during 2013-14. Overall, an amount of Rs. 10.00 lakhs was allotted to the circle during the period of which 75 percent financial achievement was observed.

SOCIAL FORESTRY, ERNAKULAM, KOZHIKODE AND KOLLAM (2009-2014)

The social forestry wing has three circles operating at Ernakulam, Kozhikode and Kollam. During the period, Extension & Campaign activities were undertaken.

1. Extension & Campaign activities

The staff report that the social forestry wing at Kollam carried out these activities at Thenmala division. Hence no records were available in social forestry Kollam division. Similarly no records were available with the social forestry, Ernakulam division also.

The social forestry wing at Kozhikode conducted extension and campaign activities in five districts. Activities such as fire awareness camp, one-day classes on fire awareness nature camp, Seminar on World Water Day & World Forest Day, Sea Turtle and Marine Bio-Diversity Conservation etc were conducted. The evaluation team verified all the related documents such as vouchers and photographs.

Extension & Campaign Activities

Sl. No.	Location/District	Activities carried out	Proof of verification
1.	Thirunelli (Wayanad)	Fire awareness classes / camp.	✓ Expenditure vouchers tallied. ✓ Physical verification of each site and item purchased are verified. ✓ Verified related images / documents.
2.	Janakikkad (Kozhikode)	One day nature camp and Fire awareness classes / camp.	
3.	Hosdurg (Kasaragod)	Fire awareness classes / camp.	
4.	Kasargod town (Kasaragod)	Fire awareness classes / camp.	
5.	Thariyode (Wayanad)	One day nature camp, participated with approx. 150 students and VSS members	
6.	Kadalundi town (Kozhikode)	Two nature camp and Fire awareness classes / camp.	
7.	Perinthalmanna (Malappuram)	Nature camp for the students of the ISS college of teacher education.	
8.	S N College (Kannur)	One day seminar in connection with World Forest Day and World Water Day.	
9.	Thalaserry town (Kannur)	One day seminar on World Forest Day and World Water Day.	
10.	Malappuram town (Malappuram)	Members of Yuva Sakthi under Kerala state youth welfare board organised half day nature awareness camp.	
11.	Thanur (Malappuram)	One day seminar on turtle and marine diversity conservation.	

The work carried out under CAMPA was satisfactory. Overall, an amount of Rs. 3.00 lakhs was allotted to the wing during the period of which 98 percent financial achievement was observed.

FOREST HEADQUARTERS, THIRUVANANTHAPURAM

At the Forest Headquarters, the interests generated from the funds of the CAMPA account were utilised for secretarial assistance at the office of the nodal officer to support works related to monitoring and evaluating the implementation of APOs. Under the Net Present Value (NPV) of the Forest Land Fund, 23 vehicles were purchased within the budget allotted against orders No. P3-5666/2011/03/11 dated 4/5/11 and P3-5666/2012/03/12 dated 3/5/12. The allotment orders, purchase orders, bank statements, utilisation certificates, cheque issue register and bills were verified

and found correct. The Headquarters allocated funds to purchase equipment and minor implements for plantation work to different divisions. The details of fund utilisation, namely Details of Items, quantity and rates of minor implements for forestry works, are with the concerned divisions.

4. RECOMMENDATIONS AND SUGGESTIONS

The proposed evaluation had multiple objectives. *Inter alia*, this evaluation examined the impact of various activities in terms of increase in vegetation spread, soil and water conservation measures, infrastructure development, capacity building and the extent to which the objectives of CAMPA were achieved. The qualitative data were used to support further analysis of variations across regions and categories. The following are the recommendations and suggestions arising out of this present monitoring and evaluation of CAMPA activities in Kerala

- (a) Establishment and Maintenance of Plantations: The success rate of the plantations was high overall and Species-wise survival rates with progressing age across the regions revealed suitability of certain species over others. Some of the species though were slow growing, had established well despite minimal or no maintenance. These species could be used in future planting programmes, subject to the fact that the species selected could be matching with floristic composition of the respective forest types. A striking feature was the involvement of the local communities in the selection of the species, especially in the fringe areas, followed by planting and watch and ward. In most cases, gap planting has been taken up, with contour trenches established in the sites. This has facilitated natural regeneration of many species. In some sites, very poor establishment was observed. The major reasons include (i) Heavy infestation of the invasives which prevented establishment of the planted saplings (ii) trampling of saplings by wild animals such as elephants, bear, wild boar and deer. Regular maintenance enables better establishment. A provision of watch and ward provision for 4 to 5 years, excluding the plantation year would ensure good survival rates and better stocking in afforested sites.
- (b) Composition of species was observed to differ between divisions and within sites within a division too. The number of species selected for planting in each site was also low. Though efforts have been taken to match the species with sites, a larger native species mix would improve success rates, and enable better planning for future plantings. Proper assessment of soil quality and climate conditions, would be very helpful for establishment of the saplings. All planting sites require at least five years of maintenance. This investment must be done to ensure success of the plantations. In areas of high biotic interference, eight years of maintenance is desirable.
- (c) Regional and State level workshop could be organized for prioritation of species for Afforestation/Enrichment planting in the forest areas by involving local communities, field staff of SFDs, Forestry Research institutions, NGOs and other stakeholders.
- (d) Technical support can be obtained from Forestry Research institutions for transferring/developing seed handling techniques and nursery technologies for indigenous species prioritized for Afforestation / Enrichment planting.
- (e) In remote locations and in locations with high damages to the planted seedlings by wild animals, manual seeding of indigenous species using "Seed Ball Technologies" could be attempted.

- (f) Maintenance costs should be linked to survival rates and strict guidelines should be framed regarding replanting in failed sites.
- (g) Protection measures were not effective in many places. It is essential to provide maintenance provisions for five years so that the purpose is well achieved.
- (h) Fodder Plantations should be prioritised in elephant corridors which would act as deterrents to their entry into human-habitation.
- (i) Soil & Water Conservation (SWC) Works: Most SWC works carried out in the forest areas are effective. The SMC activities, in most places, have increased the vegetation, indicating the moisture retention impacts. However, certain SWC structures are very crucial as they connect different ranges within a division. Such chappaths deserve special attention. Due to frequent flooding, heavy wear and tear is observed in most chappaths. The depth and width of rivers has increased in many sections. Such chappaths need to be replaced with concrete structures with the support of the PWD. Some of the water-holding structures are old, and not capable of holding water to the designed potential. Such structures may be abandoned.
- (j) Protection of Forests and Wildlife: Anti-Poaching Camps (APC) have been established throughout the state in almost all divisions. The APCs are sufficiently equipped with staff and modern equipment for protection activities. There is a need to regularly support the staff with protective gears and field survival kits.
- (k) GIS-based forest survey monitoring has been attempted in the state. The staff report that this has helped prevent, contain and douse forest fires in many places. All staff have to be provided basic training in the use of advanced methods of monitoring for protection. The procedures of fire management / fire protection can be extended to the forest fringe area inhabitants in addition to school/ college students.
- (l) Provisions need to be made in the budget for procuring more field vehicles, as a dearth in availability of these was observed.
- (m) In almost all divisions, the maintenance of buildings, roads, SMCs are taken up regularly. A fixed cycle could be adopted for maintenance and repair of civil works, rather than taking a routine annual maintenance.
- (n) A decentralised allotment to the social forestry wings may be thought of, to meet the local needs for each division.
- (o) Encourage more research on development of artificial breeding or incubation units for sea turtles. In addition to census, research on habitat, feeding, breeding and migratory patterns will help in the management of key stone faunal species. It will also help the managers in identifying appropriate conservation related works.
- (p) Incentives to temporary staff associated with the department's activities for more than ten years.
- (q) Digitisation of records would enable easy access to information.
- (r) Internal evaluation needs to be strengthened and a database must be established to monitor the changes. This would enable regular assessment of seasonal works like protection camps, fire protection works etc. Further, this report should also be made available during third party monitoring and evaluation.
- (s) Timely fund release is viewed to be more helpful for executing the plantation activities in the respective APO execution years.
- (t) Permanent structures created under CAMPA should be displayed / indicated through suitable markings to ensure proper visibility of CAMPA-funded activities.

ANNEXURES

Annexure I

Minutes of meeting
Third Party Evaluation of State CAMPA Activities in Kerala
23rd November 2021
Venue: VC Hall, IFGTB

Participants:

IFGTB	Kerala Forest Department
Dr. C. Kunhikannan, Director IFGTB	Shri. Rajeesh Ravindran IFS, CEO
Dr. R. Yasodha, Scientist G & GCR	CAMPA & APCCF
Dr. JP Jacob, Scientist G – <i>on leave</i>	Ms P. T. Sreelekha, ACF, SA&NO,
Shri. Rajesh Gopalan IFS - <i>online</i>	CAMPA
Dr. C. Buvaneshwaran, Scientist F	
Dr. Kannan CS Warriar, Scientist F	
Dr. A. Karthikeyan, Scientist F	
Dr. D.R.S. Sekar, Scientist F – <i>not attended</i>	
Dr. Rekha R Warriar, Scientist F	
Dr. S. Saravanan, Scientist F	
Dr. A. Rajasekaran, Scientist F	

An online meeting was held on 23rd November 2021 at 10.00 am to discuss the modalities of third party evaluation of CAMPA-related works undertaken in Kerala by Kerala Forest Department.

Under CAMPA, various activities have been taken up to accelerate preservation of natural forests, management of wildlife, infrastructure development in the sector and other allied works.

Shri Rajesh Ravindran, CEO-CAMPA listed the different circles where CAMPA activities have been taken up. He sought evaluation of different protection activities, labour deployed for watch and ward, fire protection, and site suitability, especially regarding

ecorestoration of monoculture plantations, the species planted and their performance, etc.

Dr. S. Saravanan, Scientist F, presented the need for third-party evaluation to assess the various activities taken under State CAMPA. He elaborated on the requirements of the National CAMPA Authority concerning the monitoring while carrying out the evaluation. He also detailed the methodology for the evaluation process and the extent of sampling for the different activities taken under CAMPA based on the guidelines provided by the IIFM, Bhopal with necessary modifications. He also informed that IFGTB has experience working towards the evaluation of NAP of the NAEB in Kerala and providing consultancies to various industries. A team has been formed for the execution of the work.

This was followed by a discussion on the modalities for execution of the evaluation. The following points emerged.

1. An MoU would be signed between the Kerala Forest Department and IFGTB towards the activity. IFGTB would complete the evaluation within a period of six months from the date of release of funds.
2. State CAMPA would provide information, plantation journals, maps, measurement books, and all relevant records pertaining to the CAMPA works from 2009 to the present. Co-ordination in the state, local travel, lodging, and field support of personnel would also be provided by the Department.
3. The Department looks forward to APO-wise reports. Thus, six reports are envisaged at the end of the evaluation.
4. The sampling intensity was agreed upon.
5. A proposal including financial requirements and draft MoU would be sent to the CEO-CAMPA for perusal.
6. The CEO-CAMPA would visit IFGTB during the last week of November, 2021 for a detailed discussion and finalising the proposal.

Annexure II

Timelines of the Evaluation

Milestone	Activity
September 2021	Identification of IFGTB for Third party Monitoring
November 2021	Finalisation of activities under the Third Party Monitoring
January 2022	Acceptance of Project proposal of IFGTB for Monitoring & Evaluation of CAMPA activities in Kerala . Approval of the MoU.
March 2022	Signing of the MoU and Release of the First Instalment
April to June 2022	Field works
July to September 2022	Report preparation
September 2022	Release of the Second Instalment
October 2022	Submission of Final Report

Annexure III

APO-wise components implemented in various Circles

Year	Component
2009-10	Assistance to Tribal VSS
	Construction & Maintenance of Camp Shed
	Extension & Campaign activities
	Monitoring & Evaluation of implementation of APOs
	Interior Campshed & Ration
	Joint Patrolling & Raid
	Purchase of Vehicle & Maintenance
	Protection Camp Shed & Ration
	Purchase of Equipment
	Purchase of Equipments & Machinery for protection works
2010-11	Assistance to Tribal VSS
	Compensatory Afforestation
	Construction & Maintenance of Camp Shed
	Joint Patrolling & Raid
2011-12	Soil & Moisture Conservation
	Anti Poaching Squad
	Awareness & Natural Camp
	Cairns & Boundary Consolidation
	Compensation to Victims
	Compensatory Afforestation
	Construction of Cairns and Boundary Consolidation
	Construction of Check Dam/ Pond
	Construction of Solar Fencing
	Elephant Proof Trench
	Eradication of Exotic Weeds
	Improvement of Patrolling Routes
	Interior Campshed & Ration
	Protection & Maintenance of Anti poaching Camp Shed
Soil & Moisture Conservation	
2012-13	Check Dam
	Compensatory Afforestation
	Construction of Check Dam/ Pond
	Contour Bunds
	Planting
	Soil & Moisture Conservation Dry Rubble
	Vegetation barrier by grass
	Catchment Area Treatment
2013-14	Compensatory Afforestation
	Eco Development

Eco Tourism & Training
 Fire Protection
 Habitat Improvement
 Infrastructure Development
 Mitigation Man- Animal Conflict
 Protection & Maintenance of Anti poaching Camp Shed
 Publicity & Awareness
 Research & Development
 Road Maintenance

APOs	Divisions implemented
APO 2009-10	29
APO 2010-11	45
APO 2011-12	27
APO 2012-13	28
APO 2013-14	15

Annexure IV

Monitoring and evaluation teams

Teams	1	2	3	4	5
Region	Southern Circle, Kollam (1)	Southern Circle, Kollam (2)	High Range Circle, Kottayam (1)	High Range Circle, Kottayam (2)	FD PT, Kottayam (1)
Team Co-ordinators (Dr/Mr/Ms)	C. Buvanewaran	Rekha R Warriar	Kannan CS Warriar	K. Murali Shankar	S. Saravanan
Team Leaders (Dr/Mr/Ms)	A. Balasubramanian	R. Sumathi	K. Gireesan	A. Mayavel	S.P. Subramani
Member	N. Sivadasan	L.Vivek	K. Sureshkumar	J. Soosairaj	K. Senthil
Member	V. Mareeswaran	S. Sudha	K. Gopalakrishnan	P. Vignesh	M. Suryaprakash
Member	S.S. Abijith	R.G. Anitha	T. Pradeep	K.R. Shankar	R.Ariharasuthan
Member			C. Muthumanikam	M. Vishnu	M. Mahalingam
Team Co-ordinator (KFD)	Fen Antony, ACF	Fen Antony, ACF	KS Subash, ACF	Subash, ACF	Sandeep.S, ACF

Teams	6	7	8	9	10
Region	FD PT, Kottayam (2)	ABP	Social Forestry, Southern Region, Kollam	Central Circle, Thrissur	Social Forestry, Central Region, Thrissur
Team Co-ordinators (Dr/Mr/Ms)	N.V. Mathish	A. Rajasekaran	A.C. Surya Prabha	D. Raja Suguna Sekar	J. Sriram
Team Leaders (Dr/Mr/Ms)	S.P. Subramani	Muhammad Ali Noushad	P. Chandrasekar	B. Deeparaj	A. Mayavel
Member	K. Senthil	P. Manoharan	J. Soosairaj	P. Malliga	R. Abinaya
Member	M. Suryaprakash	L. Mahalingam	P. Vignesh	S. Pragadeesh	C.V. Vijayam
Member	R.Ariharasuthan	S. Selvakumar	K.R. Shankar	R. Kalaiselvi	R. Sathishkumar
Member	M. Mahalingam	N. Vijayanand	M. Vishnu	C. Thamocharan	Rudranath, V.R.
Team Co-ordinator (KFD)	Sandeep.S, ACF	Ajith.N , ACF	Rohini. GR, ACF	V.P. Jayaprakash, ACF	Chinnu Janardhanan, ACF

Teams	11	12	13	14	15
Region	Social Forestry, Northern Region, Kannur	Northern Circle, Kannur	Eastern Circle, Palakkad	Wildlife, Palakkad	Research Division N and S, & Headquarters
Team Co-ordinators (Dr/Mr/Ms)	Madhavraj G. R	A. Karthikeyan	Rekha R Warriar	Rekha R Warriar	JP Jacob
Team Leaders (Dr/Mr/Ms)	K.N. Ashirth	R. Archana	S.Lalitha	A. Shanthi	K. Shanthi & Muhammad Ali Noushad
Member	Srijita Ganguly	C. Rajesh	M. Ganesan	R. Velumani	M.V.Vineetha
Member	M. Jeyakumar	S.M. Paulraj	N. Sudha	A. Sathish	P. Vipin
Member	V. Abirami	Remya T Radhan	Mishra Avinash	K. Rajasekaran	C. Kandasamy
Member	C.K. Suresh	M. Manikandan	S. Ajay		T. Govindaraj
Team Co-ordinator (KFD)	Sunil Kumar. K, ACF	Ajith K Raman, ACF	K. Manoj, ACF	Sanall.P., ACF	Adersh.M, ACF

Report Preparation

Dr C. Kunhikannan, Director
 Dr R. Yasodha, Scientist G & GCR
 Dr Rekha R Warriar, Scientist F
 Dr C. Buvanewaran, Scientist G

Editorial Assistance

Mrs N. Sudha

Annexure IX

Third Party Monitoring and Evaluation of CAMPA Plantations and Other Activities

for the period
2014-2016

Submitted to
Kerala Forests & Wildlife Department (CAMPA)

by
Institute of Forest Genetics and Tree Breeding
(*Indian Council of Forestry Research and Education*)
Coimbatore – 641002



October 2022

Preface

The State of Kerala established the Compensatory Afforestation Management and Planning Authority (CAMPAs) Scheme in 2009 to encourage afforestation, reforestation, and restoration/regeneration activities to compensate for forest land diverted for non-forest purposes, and enhance the state's forest cover. The Kerala Forests & Wildlife Department prepared the Annual Plan of Operations (APO) for the years 2014-2015 and 2015-16, which the MoEF & CC, GoI approved. As per the APOs, the state planned various activities, including compensatory afforestation, soil and moisture conservation, biodiversity conservation, awareness campaigns on forests, wildlife and the environment, eradication of invasive alien weeds, river bank stabilisation, protection of research plots and seed production areas, creation of fire breaks and other essential maintenance activities towards forest conservation. All these activities were spread across the forest divisions of the state, including wildlife sanctuaries. The success and sustainability of these CAMPAs activities, including structures established and plantations raised in terms of planning, implementation, the quantity of inputs, condition of health and survival, and outcomes, need to be evaluated and documented for monitoring purposes by an independent agency. Accordingly, IFGTB-ICFRE, Coimbatore, which was awarded the monitoring of CAMPAs activities, have been involved in the work since March 2022. The sampling methodology approved by MoEF & CC was broadly followed, and a detailed survey, monitoring and evaluation exercises were conducted to represent all the forest circles and plantation models adopted in a given year. Overall the CAMPAs activities undertaken during 2014-16 supported the forests and contributed to enhancing forest health in Kerala. I gratefully acknowledge the Kerala Forests & Wildlife Department for their support and assistance in bringing out this document in a comprehensive manner.

Dr C. Kunhikannan

Director

Acknowledgements

We acknowledge the Kerala Forest & Wildlife Department for identifying IFGTB-ICFRE, Coimbatore, to evaluate the CAMPA activities carried out from 2014 to 2016. We sincerely thank the PCCF & Head of Forest Force for facilitating this special assignment. We would like to express our gratitude to Shri. Rajesh Ravindran IFS, APCCF & Chief Executive Officer CAMPA, Kerala, for facilitating the evaluation work and extending valuable guidance in finalising the formats for evaluation of different CAMPA activities in the state. We express our sincere thanks to all the Divisional Forest Officers, Range Forest Officers, Frontline Field Staff and VSS members for their assistance in providing the assessment teams with the essential logistics and information during the on-site evaluation.

TEAM, IFGTB

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FACT SHEET

S. No.	Item	Details
1.	Scope of evaluation	Third-party monitoring and evaluation of the CAMPA Activities of Kerala Forests and Wildlife Department (2014-2016)
2.	Period of evaluation work	Signing of MoU - March 2022 Field works - April to June 2022 Report preparation - July to October 2022
3.	Focus	Quality of conservation and development works. Assessment of compensatory afforestation activities. Public awareness campaigns.
4.	Number of Evaluation teams	15 Evaluation Teams and one editorial team.
5.	Objective	<ul style="list-style-type: none"> To evaluate different plantations established under CAMPA in different forest divisions of Kerala. To evaluate the civil structures (buildings and soil & water conservation structures) established under CAMPA in different forest divisions of Kerala. To suggest for improvement in quality of plantations for future.
6.	Area covered	25 territorial forest divisions. 14 social forestry divisions. 11 wildlife divisions.
7.	Sample size	<p>Plantation: 20% plantation randomly selected from various divisions. Sampling intensity for evaluation is nearly 10% for block plantations. For every hectare of plantation, the evaluation to be done on a 30 x 30 m plot. In the case of a linear plantation, evaluation of every 10th tree/planted sapling of each row for 25% of its length per running km basis.</p> <p>Soil and Moisture Conservation (SMC) activities: 20% of SMC works evaluated in each division based on random selection from measurement book (Mbook).</p> <p>Eradication of weeds: Density assessment and plot transects.</p> <p>Forest protection: 10% of all firelines evaluated in each division.</p>
8.	Findings	<ul style="list-style-type: none"> The average survival rate in ecorestoration activities is 45%. <i>Wrightia tinctoria</i> and <i>Hopea ponga</i> recorded more than 60 per cent survival in various locations. The quality of other departmental works was mostly high (86%) Check-dams and gullies are the major SMC works taken up. The involvement of the VSS in various department activities has ensured a participatory approach to the protection and conservation of forests.

Executive Summary

The Forest (Conservation) Act (1980) was enforced to conserve and protect forest resources. The Act mandated that whenever forest land is diverted for non-forestry purposes usually the conditions relating to transfer, mutation and declaration as Reserve Forest/Protected Forest, the equivalent non-forest land for compensatory afforestation and funds for raising compensatory afforestation etc. are to be imposed. Additional conditions such as maintaining a safety zone area, fencing and regeneration etc. are prescribed for mining purposes, and catchment area treatment plans are stipulated for big and medium irrigation projects. Further, the Act provided that the non-forest land for Compensatory Afforestation (CA) was to be identified contiguous to or close to Reserved Forest or Protected Forest. The funds for CA are received from the user agencies based on the rates fixed by the State Forest Department, which are site-specific and vary according to the species, type of forest and site. The fund received for compensatory afforestation, additional compensatory afforestation etc. has to be used as per site-specific schemes submitted by the state along with the approved proposals for diversion of forest land. After receipt of the fund, State Forest Department has to accomplish the afforestation for which money is deposited in the CA Fund within a period of one year or two growing seasons.

The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Kerala has been constituted with the objective of conservation, protection, regeneration and management of existing natural forests, wildlife and their habitat and raising site specific compensatory afforestation, penal compensatory afforestation etc. As per the provisions of CAMPA guidelines, the state CAMPA has been formulating Annual Plans of Operation (APO) since 2009-10. The APO for the period 2014-15 to 2015-16 were approved vide No. 15-2(18)/2017-CAMPA dated 18.12.2017.

The Government of India released Rs. **14,65,000** for 2014- to 2016 to Kerala to implement CAMPA Activities.

The Assignment

As a range of activities were taken up under CAMPA, a technical evaluation of the activities by a third party was considered essential. IFGTB-ICFRE was identified to carry out third-party monitoring of all the CAMPA interventions since 2009-10 (File No. FC5-1433/2021 dated 28.01.2022). The broad scope of evaluation comprised all the components and sub-components of CAMPA implementation in Kerala.

Study Area

The evaluation study covered 50 forest divisions of Kerala (25 Territorial, 14 Social Forestry and 11 Wildlife Divisions) under 11 forest circles. In addition, Research Divisions where CAMPA funds were utilised are also covered in the study.

Study Approach and Methodology

Various CAMPA interventions were evaluated using appropriate sampling criteria, data collection approaches and, in view of diversity, nature of component and stakeholders involved. The study approach and methodology have been adopted from the evaluation formats of the MoEF&CC, GoI.

Details of Data Collection

- **Primary Data:** First-hand information was obtained using separately designed formats for different components and subcomponents.
- **Secondary Data:** Secondary data relating to various activities undertaken in CAMPA were collected from the circle, division and range offices in pre-designed formats and checklists.
- **Focussed Group Discussion:** FGDs with the members of the VSS were conducted to evaluate peoples' perceptions and participation levels in implementing CAMPA activities in a given locality.
- **Consultation with Forest Officials:** Consultations were undertaken with a range of forest officers involved at various stages- planning and decision making, implementation, monitoring and evaluation. This included Divisional Forest Officers (DFOs), Forest Range Officers (FROs), Forest Beat Officers (FBOs), Foresters, Forest Guards, etc.
- **Field Observation:** Data on survival, field measurements to assess growth in different plantations, condition of physical structures in SMC activities and weed density in plantation sites were collected. Notes were prepared on various activities under CAMPA implementation, which provided the basis for the entire evaluation process.

Performance of CAMPA during the period 2014 to 2016

- The total funds received from the Adhoc CAMPA for the APO years 2014-16 stands at Rs. 14.65 crores, and the expenditure ending March 2016 was 12.04 crores which is 82.18 % of the funds received. The core activities undertaken with the CAMPA funds comprise plantations, the creation of SMC structures, forest protection, wildlife management and assistance to tribal VSS.

- The non-core activities comprised biodiversity conservation, capacity building, infrastructure development, forest IT, monitoring, evaluation and accounting.
- During the initial years of CAMPA APOs, assistance to tribal VSS, improving the infrastructure for protection, soil and moisture conservation activities and capacity building were prioritised (80%).
- Various SMC structures in CAMPA APOs included check dams, contour trenches, gully plugging etc. SMC structures undertaken by frontline forest officers under CAMPA are site-specific as per the site requirement.
- Focus on eco-restoration, planting and silvicultural operations was higher than the initial years of CAMPA implementation. Most activities were done departmentally, an economical and time-saving approach. River bank stabilisation was taken up in one site.
- Turtle Conservation and Monitoring and use of Microchip Reader for captive elephant management was introduced during this period.
- This period witnessed many capacity development programmes for staff and VSS, including theme-based trainings, strengthening communication and plantation skill development. This has enabled inclusion of VSS members in patrolling, fire break creation, and developing infrastructure in interior forest areas, encouraging and ensuring their active participation in conservation activities.
- Under infrastructure development, efforts were taken to repair/improve dilapidated structures. The major construction activities undertaken with the help of CAMPA funds were antipoaching campsheds.
- Efforts were also taken to improve connectivity through roads, footbridges and culverts.

Recommendations & Suggestions

1. Species should be selected on the basis of floristic composition of the forest types and prevailing local soil condition of the afforestation / plantation site.
2. De-centralized local nurseries for production of forest type specific planting stocks may be promoted.
3. Maintenance and watch and ward may be continued for 4 to 5 years for better establishment.
4. Number of watchers should be increased proportionate to the size of the plantation site.
5. There should provision in CAMPA APOs for the periodic maintenance of SMC structures as most SMC structures are subject to heavy wear and tear due to recurrent floods.

6. Buildings / structures constructed during this period needs to be repaired and maintained. In some cases, renovation / refurbishing may also be done based on a fixed schedule.
7. It is better to avoid plantations deep inside forests, with heavy movement of wildlife, as monitoring of the plantations is difficult. Instead, manual seeding may be done by adopting seed ball technology. Seeds to be broadcast should match the floristic composition of the respective forest types.
8. The frontline staff may be trained on seed handling and nursery technologies of native tree species.

Monitoring and Evaluation of CAMPA Plantations and Other Activities (2014 – 2016)

1. Introduction

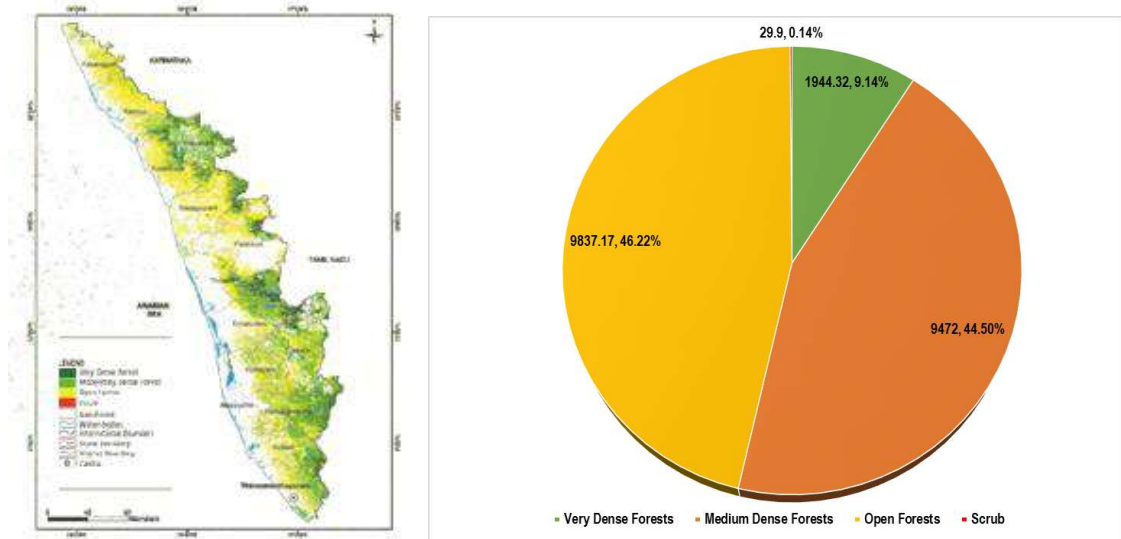
1.1 Background

Forests in India comprise diverse forest types and reserved areas accounting for about 24.62 % of the country's geographical area. Forest provides livelihood support to the people living in and adjoining forests. Forests are the most significant natural carbon sinks and regulate water regimes. Given that the forest sector provides goods and services to humankind, forest land is diverted for developmental activities for non-forestry purposes, consequently leading to considerable shrinkage of forest cover.

Kerala is endowed with rich natural resources. The conducive tropical climate favours forests with rich biodiversity and endemism. The Western Ghats, one of the Biodiversity hotspots, runs all along the eastern boundary of Kerala. Unfortunately, the increasing population and changing lifestyles exert tremendous pressure on forests. The greatest challenge today is to accommodate developmental needs by minimising the destruction of its pristine forests.

1.2 Forest Cover in Kerala

The forest cover in the state based on the interpretation of the Forest Survey of India (FSI) 2021 is 21,253.49 sq km which is 54.7 % of the state's geographical area. Forest Cover in the State has increased by 109 sq km compared to the previous assessment reported in ISFR 2019. Among forest canopy density classes, the state has 1944.32 sq km area under very dense forest, 9472 sq km area under moderately dense forest and 9837.17 sq km area under open forest.



Source: ISFR, 2021

1.3 Forest Cover In Kerala From 2007 To 2015

Forest cover in the state has been increasing over the years. Forest conservation and afforestation activities are the key reasons for the improvement.

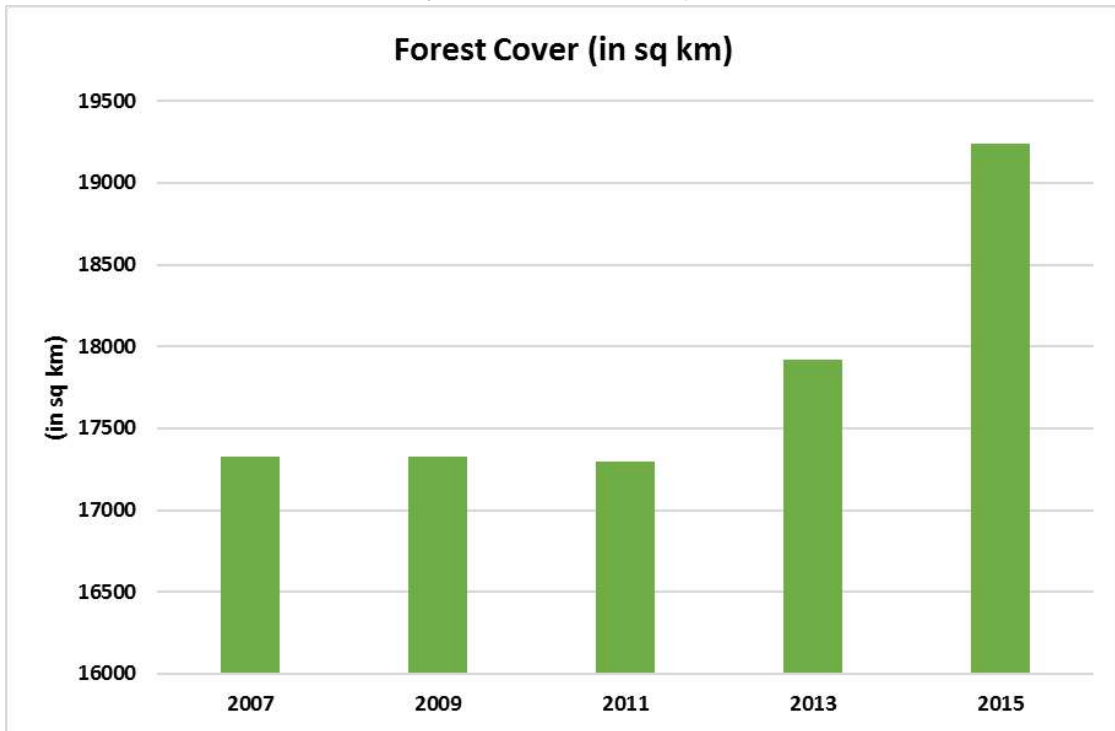


Figure 1.1 Forest Cover In Kerala From 2007 To 2015

1.4 District-wise Forest Coverage in Kerala

Table 1.1 provides the district-wise forest coverage in Kerala (Area in sq km), and the tree map at Fig 1.2 provides the distribution across districts.

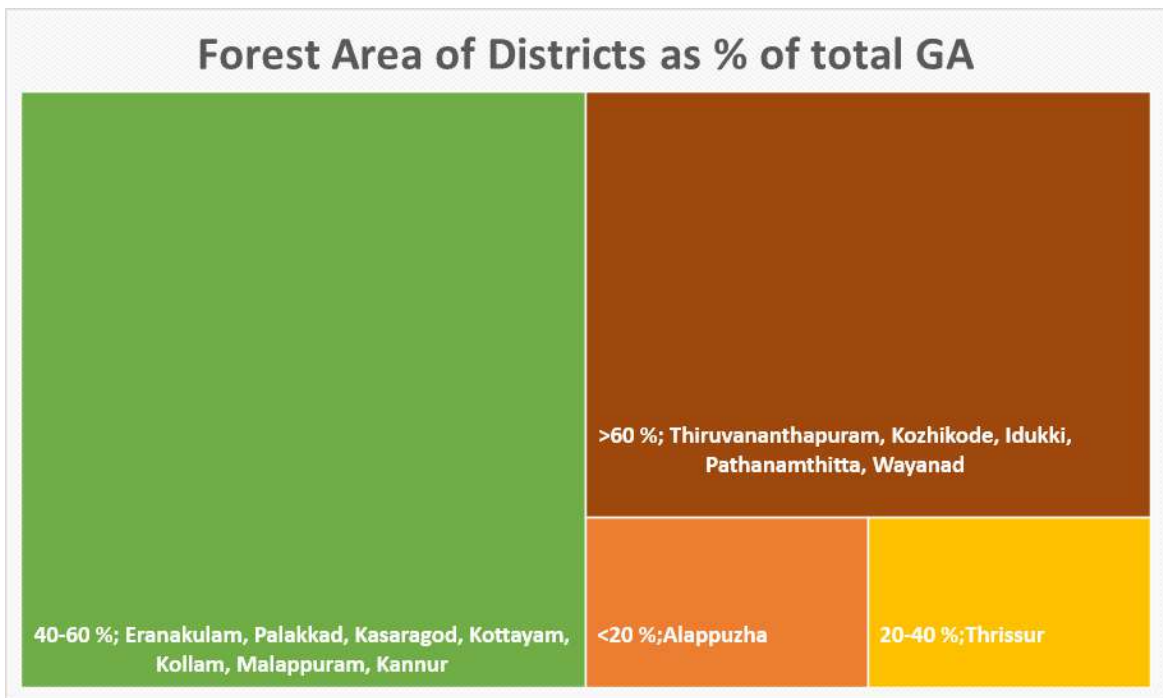


Figure 1.2 Forest area of districts in Kerala

Table 1.1 District-wise forest coverage in Kerala (Area in sq km)

District	Geo-graphical Area (GA)	VDF	MDF	OF	Total	%of GA	Scrub
Alappuzha	1415	0	27	53.54	80.54	5.69	0
Eranakulam	3063	165.52	614.4	604.56	1384.48	45.2	5.6
Idukki	4356	355.72	1783.33	1016.27	3155.32	72.44	2.51
Kannur	2961	58	489.63	1121.23	1668.86	56.36	0.18
Kasaragode	1989	1.9	288.7	692.97	983.57	49.45	0
Kollam	2483	104.4	656.88	572.5	1333.78	53.72	0
Kottayam	2206	11.31	525.73	562.01	1099.05	49.82	0
Kozhikode	2345	70.77	409.94	967.11	1447.82	61.74	0.8
Malappuram	3554	142.67	424.68	1416.32	1983.67	55.82	6.47
Palakkad	4482	402.14	637.77	1063.77	2103.68	46.94	12.71
Pathanamthitta	2652	164.92	1229.12	554.88	1948.92	73.49	0.51
Thiruvananthapuram	2189	59.12	702.42	555.5	1317.04	60.17	0.07
Thrissur	3027	218.86	477.79	469.6	1166.25	38.53	0.62
Wayanad	2130	188.99	1204.61	186.91	1580.51	74.2	0.43
Total	38852	1944.32	9472	9837.17	21253.5	54.7	29.9

Source: Kerala ENVIS, 2022

Comparing district-wise area cover in Kerala, Idukki has the largest forest cover (3155 sq km) in the state, followed by Palakkad (2104 sq km), Malappuram (1984 sq km), Pathanamthitta (1949 sq km) and Kannur (1669 sq km). In terms of percentage of forest cover concerning the total geographical area, Wayanad with 74.2 % has the highest forest cover, followed by Pathanamthitta (73.49%), Idukki (72.44%), Kozhikode (61.74%) and Thiruvananthapuram (60.17%). The table reveals an increase in forest cover by 109 sq km compared to the previous assessment (in 2019).

Nearly 60 lakh ha of forest is degraded with less than 40% canopy density. This is the target area for the afforestation programmes. Forest plantations extend over 1.56 lakh ha, teak being the major species, covering almost 50 % of the total plantation area, followed by mixed plantations and Eucalyptus. The natural forests, plantations and homestead gardens contribute to the state's green cover, and all these are required in forest management.

2. Project profile

Compensatory Afforestation Programmes in the state were initiated in 1993, and plantations were maintained until 2002-03. The Government of India notified The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in April, 2004. The State CAMPA receives funds collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation)

Act, 1980. Kerala State CAMPA was constituted in November 2009.

Kerala Forests & Wildlife Department (KFD) has been receiving funds since 2009 from CAMPA, MoEF&CC, GoI for various developmental activities such as afforestation programs, soil and moisture conservation works, capacity building for staff and local communities, the establishment of civil structures, etc. in various forest divisions of Kerala. The funds are spent for compensatory afforestation, biodiversity conservation, soil and moisture conservation, etc. The Chief Executive Officer, CAMPA, Kerala, is responsible for preparing the schemes, Annual Plan of Operations (APO) for CAMPA, and getting it approved by the Executive Committee, Steering Committee and the Government of India, followed by implementation of the approved APO. After receiving the fund allotment under State CAMPA, the implementing officers, the District Forest Officers (DFOs) execute the assigned activities as per the APO. Under each major heads, there are different subheads available, which vary according to site conditions and needs.

The total outlay of the CAMPA activities from 2014 to 2016 is Rs. **14.65** crores. The details of the Divisions, and the number of activities against different years are in Annexure-III.

3. Methodology:

Physical Verification of Activities

I. Plantation - *Methodology:*

- 10% plantation randomly selected from various divisions.
- Sampling intensity for evaluation - 10% for block plantations.
- For every hectare of the plantation, the evaluation was done on a 30 x 30 m plot.
- Each plot was marked on a map of the plantation area, and GPS co-ordinates of all such (30 x 30 m) plots were collected.
- In case of linear plantation, every 10th tree/planted sapling of each row was evaluated for 25% of its length per running km basis (5 intermittent line transects – each for 5% of length per running km) .
- The evaluation was done on 0.1 ha by laying a 30 x 30 m plot based on random sampling.

II. Soil and water conservation measures:

- (a) The teams obtained the norms and expenditure of SMC activities taken up in the plantation site from the respective offices.
- (b) The teams assessed the quantity/ present condition/ treatment plans of the different SMC works. 20% sampling was carried out.
- (c) For civil works, 50% M&E was carried out, based on random selection from Measurement Books from various divisions.

III. Eradication of weeds

Density assessment - plot counts

- Three or more plots (quadrats) of size 10 x 10m (located randomly over the site) were marked, and the number of plants within the plots was counted.
- To get the actual number per hectare, multiplied the average number of plants in the plots by 100.

Plot transects

- Marked out 100m transects, keeping them parallel to one another (10m-50m apart). Using a 2 x 2m plot frame (using a rope) plots were placed at intervals along the transect.
- The number of plants within the plot was counted. The values were converted to density measure by averaging the number of plants in each of the plots (i.e. individuals per hectare)

IV. Forest protection

- 10% of all firelines were evaluated in each division based on random selection from Measurement Books from various divisions.

V. Qualitative Aspects

Focussed group discussion (FGD): FGD was conducted for 10% of the villages in which CAMPA works were undertaken with at least 15 villagers in a commonplace within the village. The group comprised office bearers of JFMC, BPL households, and village residents.

Ranking of individual projects

The criterion below was used to evaluate the project needs since the site parameters, species and inputs provided vary from site to site.

Site suitability	High	Medium	Low
Suitable area with favourable site condition rainfall, soil, etc.	7 to 10	>3 to <7	≤3
Medium quality forest sites	>5	2-5	≤2
Poor forest sites	> 4	2-4	≤2

Criteria for classifying a site into suitable site, medium site and poor site

- Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

This approach involved aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allowed better tracking of performance trends. The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory
1	Highly Unsatisfactory	

Physical verification

Each of the selected plots were visited by the monitoring team and the following details documented in the field.

- Plot location with GPS co-ordinates and area
- Plantation type and design (wherever available)
- Year of establishment
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance
- Anthropogenic pressure, etc.

Parameters considered during M&E

- **For plantations**
 - a. **Qualitative** – site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
 - b. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
 - c. **Other parameters** – Management practices, biotic and abiotic factors, etc.
- **For civil constructions**
 - a. Verification (sketch and dimensions) based on the original documents and ‘m-book’.

Deliverables and time schedule

Work plan submission	One week after signing the agreement
Field Data Collection	Two - three months
Draft report submission	One month after Field Data Collection
Final report submission	Two months after Draft report submission
Total Duration	6 Months

4. Evaluation Details of the Circles and Divisions

The details of various circles and divisions evaluated are presented below.

	Circles	Divisions
Territorial Circles and Divisions	Northern Circle, Kannur	Kannur, North Wayanad, South Wayanad and Kozhikode Forest Divisions
	Eastern Circle, Palakkad.	Nilambur North, Nilambur South, Mannarkkad, Palakkad and Nenmara Forest Divisions
	Central Circle, Thrissur.	Thrissur, Chalakkudy, Vazhachal and Malayattoor Forest Divisions
	High Range Circle, Kottayam.	Kothamangalam, Mankulam, Munnar, Marayoor and Kottayam Forest Divisions
	Southern Circle, Kollam	Ranni, Konni, Punalur, Thenmala, Achenkovil and Thiruvananthapuram Forest Divisions
Wildlife Circles and Divisions	Wildlife, Palakkad.	Aralam, Wayanad, Parambikulam, Peechi and Silent Valley National Park Wildlife Divisions.
	Field Director Project Tiger, Kottayam.	Munnar, Idukki, Periyar Tiger Reserve East & Periyar Tiger West Wildlife Divisions.
	Agasthyavanam Biological Park, Thiruvananthapuram.	Shendurney and Thiruvananthapuram Wildlife Divisions.
Social Forestry Circles and Divisions	Social Forestry, Kozhikode	Kasargode, Kannur, Wayanad, Kozhikode and Malappuram Social Forestry Divisions.
	Social Forestry, Ernakulam	Palakkad, Thrissur, Ernakulam and Idukki Social Forestry Divisions.
	Social Forestry, Kollam	Alappuzha, Kottayam, Pathanamthitta, Kollam and Thiruvananthapuram Social Forestry Divisions.
Research Circles & Research Divisions	Working Plan & Research	Kozhikode, Palakkad, Munnar, Punalur and Kollam Working Plan Divisions as well as Research Division, Thrissur Research Division

EASTERN CIRCLE, PALAKKAD (2014-2016)

The evaluation covered five forest divisions of the circle. They include

1. Mannarkkad
2. Nenmara
3. Nilambur North
4. Nilambur South
5. Palakkad

Five different activities have been undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Nilambur, Nenmara , Mannarkkad and Palakkad
2.	Construction & Maintenance of Camp Shed	Nilambur, Nenmara , Mannarkkad
3.	Improving Connectivity	Nilambur, Nenmara , Mannarkkad and Palakkad
4.	Purchase of equipment	Nilambur and Nenmara
5.	Training to staff	Nilambur, Nenmara , Mannarkkad and Palakkad

1. Assistance to Tribal VSS

Tribal VSS were engaged as fire mazdoors during 2014-15 and 2015-16 in Forest stations of Kalikavu, Karulai ranges of Nilambur South; Alathur, Nelliampathy, Kollengode ranges of Nenmara and Nilambur North. The activities include effectively laying fire lines and fire control measures. In addition, basic infrastructure, including LPG connection, has been provided to the tribal families in Nilambur, Palakkad and Mannarkkad. Solar street lights were provided to the tribal settlements in Mannarkkad, Agali and Attapadi ranges. The records were verified and found correct.



LPG Cylinder provided at Nilambur and Solar lights at Attapadi

2. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Kozhippara, Edavanna range /Nilambur North	N 11° 4'25.0" E 76°04' 28.0"	2014-15	12 x 5 x 5	Physically verified the structure and the condition is good. Painting works were undertaken during the period.
Panapuzha/Karulai/ Nilambur South	N 11°4'19" E 76°4'26.0"	2014-15	7 x 5 x 3	Physically verified the structure and the condition of the structure is good. A water tank was fixed during the period.
Kadappara/Alathur/Nenmara	N10°28'23.24" E76°33'11.84"	2014-15	6.0 x 4.0	Physically verified the structure. It is in good condition.



Interior Campshed at Mezhukkumpara

The works were evaluated for physical existence and quality. The specifications of the camp sheds were checked with measurement books and vouchers and verified the expenditure. At Mezhukkumpara in Mannarkkad range, the amount was used for consumables related to the shed.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Kozhippara, Edavanna range	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
2.	Panapuzha/Karulai Nilambur South	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
3	Kadappara/Alathur/Nenmara	The shed is maintained well.	The shed is useful for the frontline staff.	7	High

3. Purchase of equipment

During the evaluation period, the equipment procured by the divisions was physically verified, and records checked and found correct.

Sr. No.	Location / Range / Division	Items procured	Numbers	Present Status
1	Nilambur South	Steel Cage	1	Good condition
2	Nilambur north	Snake catching equipment	2	Good condition
3	Nenmara	Snake catching equipment	4	Good condition
4	Mannarkad	Emergency life-saving equipment – mask, jackets and life-buoys.	4	Good condition



Snake catching equipment

4. Improving Connectivity

Trek paths were cleared and maintained well at Pudur in Attapady range of Mannarkkad division which is being regularly used by frontline staffs.

Location / Range / Division	GPS Location	Year of Construction	Dimensions
Pudur/ Attappady/ Mannarkkad (Aralikkonam to Edavani)	N11 ⁰ 09' 46.38" E76 ⁰ 35' 38.14"	2014-15	Width- 3.2 m, Distance- 6 kms

The activities were verified through inspection of records and found correct.



Trek paths at Pudur

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1	Trek path/Pudur, Attappadi	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High

5. Training to protective staff

Trainings were imparted to staff in batches in the Nilambur and Mannarkkad divisions during the period of the report. The vouchers were verified and found correct.

Five activities were taken up during 2014-16 as per the APO and all of them were completed. An amount of Rs. 47.41 lakhs was allotted to the circle during the period and 100 percent financial achievement was observed.

NORTHERN CIRCLE, KANNUR (2014-2016)

The evaluation covered four forest divisions of the circle. They include

1. Kannur
2. Kozhikode
3. North Wayanad
4. South Wayanad

Eight different activities were envisaged in the circle.

1. Assistance to Tribal VSS
2. Awareness programme
3. Compensatory Afforestation Works
4. Conducting Nature Camps
5. Construction, cleaning, Desiltation of Pond
6. Purchase of Equipment
7. Soil and moisture conservation
8. Training to protective staff

Cairns & Boundary Consolidation

This activity, a spillover from 2009-14 was completed in 2014-15 in three different locations, Bharanikkunnu (10), Attuvaikunnu (12) and Kottapady (12) sections. The records were verified and found correct.

On perusal of records, it was observed that due to the delay in the release of funds, most activities were shifted to 2018-19.

The major activity taken up during 2014-16 was cairns and boundary consolidation, a spill over from 2009-2014 period. An amount of Rs. 65.44 lakhs was allotted to the circle during the period and 98 percent financial achievement was observed.

CENTRAL CIRCLE, THRISSUR (2014-2016)

The evaluation covered four forest divisions of the circle. They include

1. Chalakkudy
2. Malayattoor
3. Thrissur
4. Vazhachal

Five different activities were undertaken in the circle based on the APO. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Vazhachal
2.	Awareness programme	Vazhachal
3.	Compensatory Afforestation Works	Chalakkudy, Thrissur and Vazhachal
4.	Eradication of Exotic weeds	Vazhachal
5.	Training to protective staff	Thrissur, Chalakkudy, Vazhachal, Malayattoor

In addition to the works mentioned in the APO, the circle also undertook spillover activities planned during 2009-2014. They include the Construction & Maintenance of Campshed, SMC activities and Cairns & Boundary Consolidation.

1. Assistance to Tribal VSS

The Vazhachal Division assisted the tribal VSS in the form of employment through planting, maintenance of plantations under compensatory afforestation, fire watchers, ecotourism activities, and skill development (tailoring units, honey processing) have been provided.



The VSS group at Vazhachal involved in honey processing

2. Cairns & Boundary Consolidation

Id.No.	GPS Location	Year of Construction	Remarks
512	N10° 40'56.3" E 076° 14' 30.1"	2014 - 2015	This work was envisaged in 2011-12; however, it was completed in 2014-15.
513	N10° 40'56.5" E 076° 14' 29.4"		
501	N10° 40'55.8" E 076° 14' 38.4"		
503	N10° 40'56.0" E 076° 14' 36.7"		

The cairns at the boundary of forests in Chalakudy were inspected and found damaged in some portions.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Construction of Cairns / Mullukara / Wadakencherry	The cairns are in good condition.	The boundary delineation is helpful to the frontline staff.	8	High

2	Construction of Cairns /Mankuttipadam/ Vellikulangara	The cairns were inspected and found damaged.	The boundary delineation would be helpful to the frontline staff, if set right.	4	Medium
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Cairns at Mankuttipadam

3. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Palapilly	N10° 22'49" E 76° 20' 73.1"	2014-2015	6.6 x 7.3	This work was envisaged in 2010-2011; however, it was completed in 2014-15.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Chalakudy / Palapilly	The shed is maintained well.	The shed is useful for the frontline staff.	7	High

The camp shed was evaluated for its physical existence and the quality of the asset. The specifications of the camp shed was checked by physical measurements and verifying the old vouchers and estimates. The camp shed is well maintained which is useful for the frontline staff.

4. Soil and Moisture Conservation activities

Sites	GPS Location	Year of Construction	Dimensions (cm)	Remarks
Mankuttipadam	N 10° 22' 0.84" E 76°22' 15.60"	2015	Bottom: 120 x 120 Top: 60 x 60 Height: 120	This work was envisaged in 2011-12; however, it was completed in 2014-15.
Kavanad	N10° 28' 20.42" E 76°26' 33.65"	2015	Bottom: 120 x 120 Top: 60 x 60 Height: 120	This work was envisaged in 2011-12; however, it was completed in 2014-15.
Elicode	N10° 22'49" E 76°20' 73.1"	2015	Bottom: 120 x 120 Top: 60 x 60 Height: 120	This work was envisaged in 2011-12; however, it was completed in 2014-15.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Contour bunding/ Chalakudy / Vellikulangara / Mankuttipadam	Damaged due to floods	Deliver 90 % of the envisaged effect.	7	Good
2.	Contour bunding/ Chalakudy / Vellikulangara / Kavanad	Damaged due to floods. Needs repairs.	Delivers 50 % of the envisaged effect.	5	Medium
3.	Contour bunding/ Chalakudy / Palappilly / Parakkadavu /Elicode	Damaged due to floods. Needs repairs.	Delivers 60 % of the envisaged effect.	5	Medium

The bunds have been physically verified and the specifications were checked by physical measurements and verifying the old vouchers and estimates. The bunds were damaged due

to flood and needs repairs.

5. Compensatory Afforestation Works

Site/Divisions	GPS Coordinates of site	Activities carried out	Status (Verified / Not verified)
Chelur Porasserykunnu / Kandanchira / Poongodu / Wadakkanchery	N 10° 43' 24.0" E 76° 11' 24.1" N 10° 43' 24.0" E 76° 11' 24.1" N 10° 43' 24.0" E 76° 11' 24.1"	Initiating Preparatory work in 18 ha	Verified
Poringalkuthu/Vazhachal	N 10° 18' 52.2" E 76° 37' 47.8"	Initiating Preparatory work in 10 ha	Verified
Chattilampadam / Vellikulangara	N 10° 22' 049" E 76° 20' 73.1" N 10° 22' 04.2" E 76° 20' 73.2"	Initiating Preparatory work in 2.12 ha	Verified
Areswaram/ Vellikulangara	N 10° 22' 023" E 76° 21' 0.89" N 10° 21' 86.7" E 76° 21' 33.5"	Maintenance of 2014 CA Plantation	Verified

The preparatory work for compensatory afforestation were verified from the records.

6. Eradication of Exotic weeds

Based on the records verified, this activity was undertaken in Vazhachal Division during 2014-15 against the APO 2011-2012.

Five activities were planned during 2014-16 in the circle, while three of them were spillover activities of 2011-12. Overall, an amount of Rs. 15.55 lakhs was allotted to the circle during the period of which 92.66 percent financial achievement was observed.

HIGH RANGE CIRCLE, KOTTAYAM (2014-2016)

The evaluation covered five forest divisions of the circle. They include

1. Kothamangalam
2. Kottayam
3. Mankulam
4. Marayoor
5. Munnar

Eight different activities were envisaged in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Kottayam, Mankulam, Marayoor
2.	Compensatory Afforestation Works	Munnar
3.	Construction, cleaning, Desiltation of Pond	Munnar
4.	Fire Watch Stations	Kothamangalam
5.	Improving Connectivity	Marayoor
6.	Purchase of Equipment	Kottayam, Mankulam, Marayoor, Munnar, Kothamangalam

7.	Soil & Moisture Conservation	Kottayam, Mankulam, Marayoor, Munnar, Kothamangalam
8.	Training to protective staff	Kottayam, Mankulam, Marayoor, Munnar, Kothamangalam

In most divisions, no funds were allocated during these years; hence the activities were shifted to the subsequent years. Soil & Moisture Conservation was the only one activity taken up in Munnar division.

1. Gully Plugging / Check Dam

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1	N10 ⁰ 04'48.79" E77 ⁰ 56'12.75" Elevation- 1056 m	2014-2015	Plastering: 58.75 Earthwork: 58.05 Foundation: 33.15 RCC: 26.1	The structure is intact.
2	N10 ⁰ 19'57.38" E77 ⁰ 12' 52.62" Elevation- 513m	2014-2015	9.95	The structure is intact.
3	N10 ⁰ 20' 52.35" E77 ⁰ 13' 06.42" Elevation- 485m	2014-2015	10.12	The structure is intact.

Under this activity, check dams were created in 4 sites. These activities were verified physically and dimensions were measured and confirmed with the vouchers/records. All the structures were in healthy conditions and useful in soil moisture conservation as is evident from the lush green vegetation.



Check Dam at Kambany Kudy

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam / Kambany Kudy/Mankulam / Mankulam	For water storage	The moisture content in surrounding areas is improved, as evident from the green vegetation.	9	High
2.	Check Dam / Olimala Oda / Munnar WLS / Chinnar	For water storage	The moisture content in surrounding areas is improved, as evident from the green vegetation.	6	Medium
3.	Check Dam / Karakkadumatha / Munnar WLS / Chinnar	For water storage	The moisture content in surrounding areas is improved, as evident from the green vegetation.	6	Medium

Though eight activities were envisaged, only SMC activities were taken up due to delay in fund release. Overall, an amount of Rs. 36.88 lakhs was allotted to the circle during the period of which 90.6 percent financial achievement was observed.

Southern Circle, Kollam (2014-2016)

The evaluation covered six forest divisions of the circle. They include

1. Achenkovil
2. Konni
3. Punalur
4. Ranni
5. Thenmala
6. Thiruvananthapuram

Eight different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Ranni, Trivandrum, Achencoil, Punalur, Thenmala
2.	Compensatory Afforestation Works	Thenmala, Ranni, Punalur
3.	Conducting Nature Camps	Konni
4.	Engaging fire gangs	Ranni, Trivandrum, Achencoil, Punalur, Thenmala
5.	Purchase of equipment	Ranni
6.	River Bank Stabilization/Protection	
7.	Soil and moisture conservation	Ranni, Trivandrum, Achencoil, Punalur, Thenmala, Konni
8.	Training to protective staff	Ranni, Trivandrum, Achencoil, Punalur, Thenmala, Konni

1. Assistance to Tribal VSS

1. The Focussed Group discussions with tribal VSS group on the implementation of CAMPA activities revealed that the departmental interventions in these areas are in consultation with the people and their involvement was very evident. The department has taken sufficient care to address the interests of the Scheduled Tribes while developing management plans. They have taken interest in the management and protection of the worked areas where there is scope for revenue from NTFPs and not in the areas where usufructs are not forthcoming immediately.
2. Tribal VSS were engaged as fire mazdoors, laying fire lines, laying solar fencing, laying fire break, watchers, effective fire control measures, removal of alien exotic weeds, gap planting and construction of staggered trenches in Ranni, Trivandrum, Achencoil, Punalur and Thenmala divisions. Basic infrastructure and LPG connection were provided to the tribal families in Ranni Division. VSS facilitates honey collection.



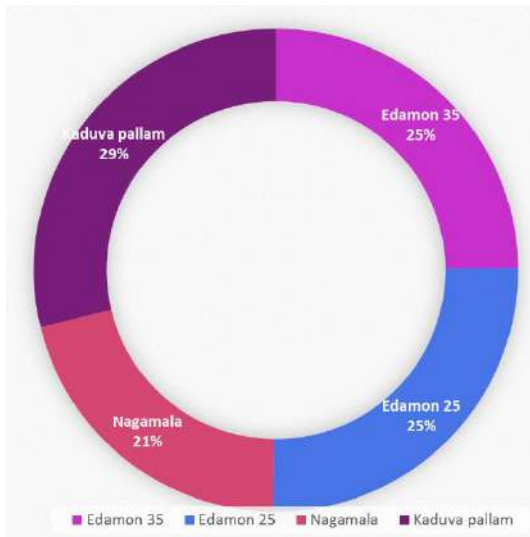
2. Compensatory Afforestation

Plant survival Rate: All activities were carried out in Thenmala Division. Plant survival rates varied with locations.

S. No.	Site	Year	Area of plantation (ha)	Plantation Model	Species	Remarks
1	Edamon	2014	35	Gap planting	<i>Emblica officinalis</i> , <i>Gmelina arborea</i> , <i>Terminalia arjuna</i> , <i>Terminalia bellirica</i> , <i>Wrightia tinctoria</i>	<ul style="list-style-type: none"> • Plantation journal, records and bills are maintained well. • Indigenous tree species that suitable for the plantation site are selected for planting. • It was learnt from the forest officials that this plantation activities were done only with the help of forest frontline officials without any additional labour cost. Thereby no additional expenses were made for plantation activities under CAMPA fund. • 1st year maintenance work was done with the help of VSS members. • It was learnt from the forest officials that due to grassing by Sambar deer and elephant lot of casualties reported in this plantation.
2	Edamon	2014	25	Gap planting	<i>Terminalia arjuna</i> , <i>Terminalia bellirica</i> , <i>Wrightia tinctoria</i>	<ul style="list-style-type: none"> • Plantation journal, records and bills are maintained well. • Indigenous tree species that suitable for the plantation site are selected for planting. • It was learnt from the forest officials that this plantation activities were done only with the help of forest frontline officials without any additional labour cost. Thereby no additional expenses were made for plantation activities under CAMPA fund.

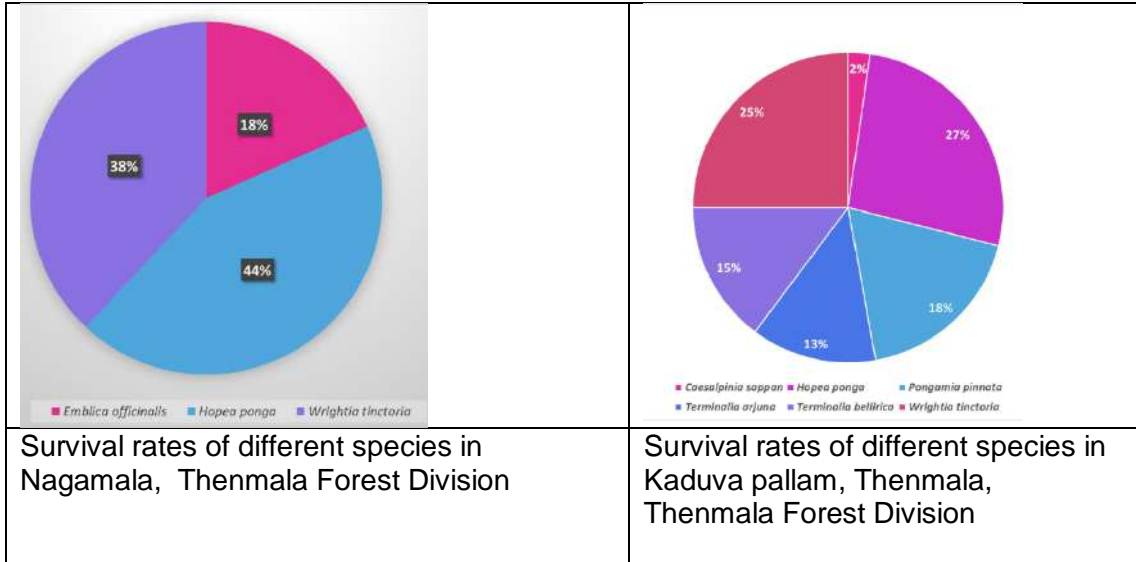
						<ul style="list-style-type: none"> • 1st year maintenance work was done with the help of VSS members. • It was learnt from the forest officials that due to grassing elephant lot of casualties reported in this plantation.
3	Nagamala	2014	25.2	Gap planting	<i>Embllica officinalis, Hopea ponga, Wrightia tinctoria</i>	<ul style="list-style-type: none"> • Plantation journal, records and bills are maintained well. • Indigenous tree species suitable for the site is selected for plantation. • Source of the seedlings are from Kulathupuzha central nursery, Kerala • It was learnt from the forest officials that this plantation activities were done only with the help of forest frontline officials without any additional labour or cost. Thereby no additional expenses were made for plantation activities under CAMPA fund. • 1st year maintenance work was done with the help of VSS members. • It was learnt from the forest officials that due to grassing elephant lot of casualties reported in this plantation.
4	Kaduva pallam	2015	36.53	Gap planting	<i>Caesalpinia sappan, Hopea ponga, Pongamia pinnata, Terminalia arjuna, Terminalia bellirica, Wrightia tinctoria</i>	<ul style="list-style-type: none"> • Plantation journal, records and bills are maintained well. • Indigenous tree species suitable for the site is selected for plantation. • Source of the seedlings are from Kulathupuzha central nursery, Kerala • It was learnt from the forest officials that this plantation activities were done only with the help of forest frontline officials without any additional labour or cost. Thereby no

						additional expenses were made for plantation activities under CAMPA fund. <ul style="list-style-type: none"> • 1st year maintenance work was done with the help of VSS members.
5	Ranni/Vakkalar	Rescheduled	30.0	Gap planting	-	<ul style="list-style-type: none"> • Approved in APO 2014-15 & 15-16 scheduled for 2021-2022
6	Punalur / Kulathurapacha	2014-16	50.0	Preparatory work	-	Wages paid for raising plantation in 50 Ha. Vouchers and records verified and found correct.

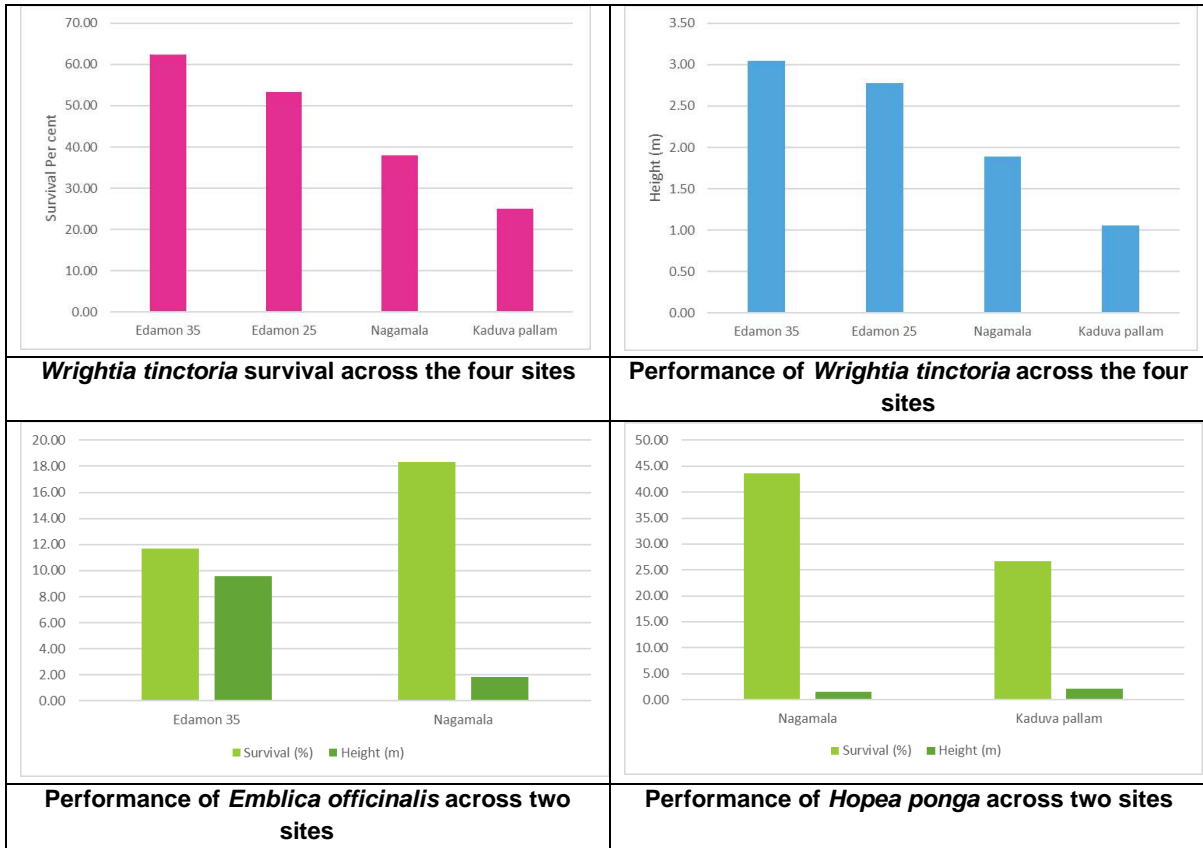


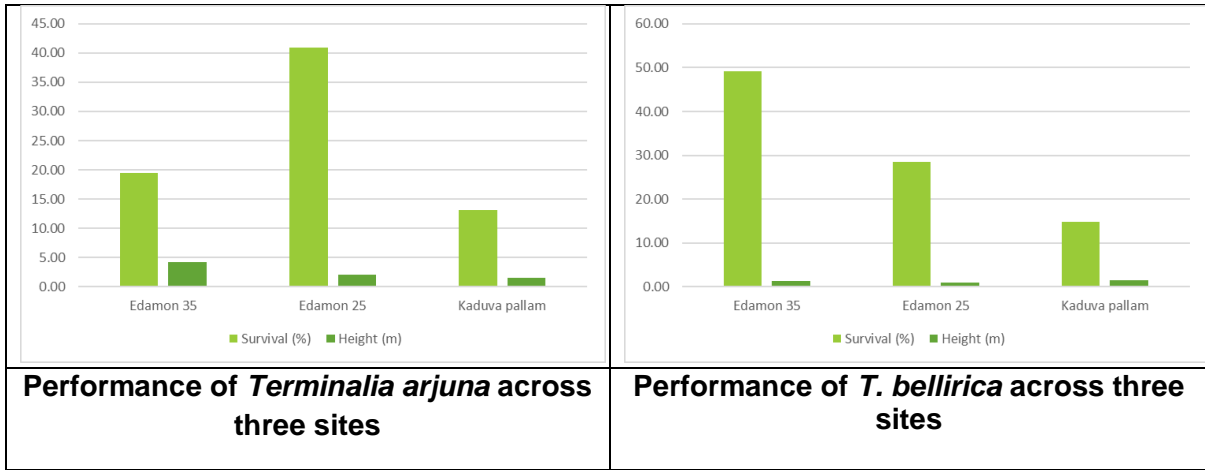
Survival percentage of species across sites

<table border="1"> <caption>Survival rates of different species in Edamon (35 ha), Thenmala Forest Division</caption> <thead> <tr> <th>Species</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Emblica officinalis</td> <td>39%</td> </tr> <tr> <td>Gmelina arborea</td> <td>11%</td> </tr> <tr> <td>Terminalia arjuna</td> <td>12%</td> </tr> <tr> <td>Terminalia bellirica</td> <td>31%</td> </tr> <tr> <td>Wrightia tinctoria</td> <td>7%</td> </tr> </tbody> </table>	Species	Percentage	Emblica officinalis	39%	Gmelina arborea	11%	Terminalia arjuna	12%	Terminalia bellirica	31%	Wrightia tinctoria	7%	<table border="1"> <caption>Survival rates of different species in Edamon (25 ha), Thenmala Forest Division</caption> <thead> <tr> <th>Species</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Terminalia arjuna</td> <td>44%</td> </tr> <tr> <td>Terminalia bellirica</td> <td>23%</td> </tr> <tr> <td>Wrightia tinctoria</td> <td>33%</td> </tr> </tbody> </table>	Species	Percentage	Terminalia arjuna	44%	Terminalia bellirica	23%	Wrightia tinctoria	33%
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Wrightia tinctoria was the only species planted across divisions. The species varied in survival and growth performance in different sites.





Current status of the Compensatory Afforestation 2015-16 activities at Thenmala Forest Division



Current status of the Compensatory Afforestation 2015-16 activities at Thenmala Forest Division



Expert team in evaluation of Compensatory Afforestation 2015-16 activities under CAMPA fund at Thenmala Forest Division

Plant Protection Measures: Different plant protection measures such as watch and ward, fire protection, weeding, etc have been taken in all the divisions to improve plant survival rate. In some cases, the VSS members were involved in maintaining the afforestation activities. Watch and ward was given priority over other protection measures. These plantations were raised during the period 2014-15; watch and ward provision has been made. As a result, the survival rates are good. In the later stage, the site was covered under general monitoring and supervision. This could have led to a low stocking in some of the afforested sites.

Record maintenance: Different records / documents are maintained at the range office with respect to plantations and silvicultural activities. The site map, treatment map and data on survival and growth have been recorded meticulously in the journal. The records and bills related to the plantations are maintained well.

Remarks:

- Indigenous tree species are selected for planting.
- Most plantation activities were carried out by frontline officials without additional labour. Hence, no additional expenses were incurred.
- Maintenance work was done by the VSS members.
- It was learnt from the forest officials that due to elephant trampling, casualties were reported in Kaduva palam and Nagamala.

S.No.	Species Planted in Compensatory Afforestation Programmes
1.	<i>Caesalpinia sappan</i>
2.	<i>Embllica officinalis</i>
3.	<i>Gmelina arborea</i>
4.	<i>Hopea ponga</i>
5.	<i>Pongamia pinnata</i>
6.	<i>Terminalia arjuna</i>
7.	<i>Terminalia bellirica</i>
8.	<i>Wrightia tinctoria</i>
9.	<i>Xylia xylocarpa</i>

2. Engaging Fire gang

S. No.	Location	Year	Remarks
1.	Palode Forest range, TVPM Division	2014-15 & 2015-16	<ul style="list-style-type: none"> • It was learnt from the members, president and secretary of the Vana Samrakshana Samidi (VSS), Palode that the forest officials are visiting VSS and discuss regarding the fire gang activities every week. • VSS members meet once in every month to discuss about forest protection activities • VSS conducts Honey collection training programs. • Human animal conflict is the major issue in Palode.

			<ul style="list-style-type: none"> • VSS requested for increase the salary for the members engaged in fire gang activities. • VSS requested a campshed with all basic facilities, elephant trench and fire gang equipment • VSS suggested restricting trespassers into forest areas during summer to avoid chance of forest fire.
2.	Arayankavu, Thenmala Forest Division	2014-15 & 2015-16	<ul style="list-style-type: none"> • It was learnt from the members, president and secretary of the Vana Samrakshana Samidi (VSS), Arayankavu Forest range that the forest officials are visiting VSS and discuss regarding the fire gang activities every week. • Standard operating Protocol (SOP) for fire gang activities are being followed at Arayankavu Forest range, Thenmala Forest Division. • VSS members meet once in every month to discuss about forest protection activities. • VSS suggested restricting trespassers into forest areas during summer to avoid chance of forest fire. • VSS members were happy and satisfied with the activities carried out under CAMPA fund.
3.	Paruthipally, TVPM Forest Division	2014-15 & 2015-16	<ul style="list-style-type: none"> • It was learnt from the members, president and secretary of the Vana Samrakshana Samidi (VSS), Pottankulichapara that the forest officials are visiting VSS and discuss regarding the fire gang activities every week. • Human animal conflict is the major issue in Pottankulichapara. • A Campshed with all basic facilities, elephant trench and fire gang equipment may be considered

3. Gully Plugging / Chappath

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	9°8'09.06" ; 77°12'0.006"	2015 -2016	3.8 x 1.5 x 0.65 2.55 x 1.6 x 0.35 13.33 x 1.37 x 0.73	All gullies are healthy
2	9.3634° N, 76.9881° E	2015 -2016	5 x 2 x 2	30 % damaged due to heavy floods
2	9°10'37.43"; 76°55'32.483	2015 -2016	10 x 5 x 2	The structure is intact
4	9°5'21.888" ; 77°7'55.47"	2015-2016	60 x 6 x 3	50 % of the structure has been washed away.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium,Low
1.	Gully plugging / Kattikuzhy/ Achenkoil.	Three healthy gullies which harbour the famous fresh water Masheer breeding ground. The department takes extra efforts for the conservation of the species also.	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth. The fish population is also high	7	High
2.	Gully plugging / Naduvathumoozhy/ Konni	Due to frequent floods 4 chappaths were totally damaged which restricts the transport, damages the gullies and trek paths established.	The floods have widened the expanse of streams leading to erosions.	4	Medium
3.	Gully plugging / Goodrikal/ Ranni	Inspected three gullies at Goodrikal, Ranni division and found good.	The moisture content of surrounding areas improved, as is evident from the dense vegetation growth.	7	High
4.	Chappath / Muthalathodu/ Achenkovil	Damage to the structure cuts off access to 3 ranges. Hence efforts to be made to create a more robust structure.	Heavy erosion along the sides.	3	Low



Gully at Konni Division

Gully plugging and chappath works were inspected as per records and for their quality and observed that gullies were in good condition except at Naduvathumoozhy, Konni. Damages were also observed at the chappaths at Muthalathodu, Achenkovil, which require special attention as heavy rains and floods cut off access to 3 ranges.

4. Training to protective staff

Awareness programmes and training programs were arranged in Punalur and Thiruvananthapuram.

Four out of eight activities were taken up during the evaluation period in the circle. Overall, an amount of Rs. 68.48 lakhs was allotted to the circle during the period of which 97.78 percent financial achievement was observed.

WILDLIFE CIRCLE PALAKKAD (2014-16)

The evaluation covered four divisions of the circle. They include

1. Peechi
2. Parambikulam
3. Silent Valley
4. Wayanad

Seven different activities were envisaged in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Silent Valley
2.	Construction & Maintenance of Camp Shed	Parambikulam, Peechi, Aralum, Silent Valley
3.	Construction of Solar Fencing	Peechi, Silent Valley
4.	Interior Campshed & Ration	Parambikulam, Peechi, Aralum
5.	Purchase of equipment	Wayanad
6.	Eradication of Exotic weeds	Peechi
7.	Soil & Moisture Conservation	Peechi, Wayanad

1. Assistance to Tribal VSS

Discussion with the tribal vss revealed that regular meetings with forest officials were made and, maintained the register at Anapodi Division Office. Provided protection from wild animals in the tribal villages.

2. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 10°35'73.12" E 76°81'36.35"	2014-15	5.5 x 5.5 x 6.5	The condition of the structure is good.
2.	N 10°37'65.48" E 76°69'04.20"	2014-15	6.5 x 5.3 x 2.0	The condition of the structure is good.
3.	N 10°27'12.7" E 76°29'35.26"	2014-15	9 x 6 x 1	The condition of the structure is good.
4.	N 10°49'73.9" E 76°47'07.87"	2014-15	4 x 5 x 3	The condition of the structure is good.
5.	N 11°55'43.85" E 75°52'35.17"	2015-16	4 x 3.5 x 2	The condition of the structure is good.
6.	N 11°5'1.21" E 76°28'50.3"	2015-16	11.25 x 3 x 5	The condition of the structure is good.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Parambikulam/ Karimala	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
2.	Camp Shed/ Parambikulam/ Karimala	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
3.	Camp Shed/ Peechi/ Chimmony	The shed is maintained well.	The shed is useful for the frontline staff.	7	High

4	Camp Shed/ Peechi/ Chimmony	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
5	Camp Shed/ Aralum/ Aralum	The shed is maintained well.	The shed is useful for the frontline staff.	8	High
6	Camp Shed/ Silent Valley/ Bhavani	The shed is maintained well.	The shed is useful for the frontline staff.	9	High

The works were evaluated for their physical existence and for quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates. The condition of the campsheds are good and maintained well.

3. Construction of Solar Fencing

Location	Year	Remarks
Kakkinikkad, Chimony /Peechi	2014-15	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Mankuchy, Chimony /Peechi	2015-16	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Podhuvapadam, Silent Valley	2014-15	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Karadiyodu, Silent valley	2015-16	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.

The solar fencings were evaluated for the physical existence and for the quality. The specifications of were checked by verifying the vouchers and estimates.

4. Elephant Proof Trench

Location	Year	Remarks
Anaporu, Chimmony / Peechi	2015-16	The trenches were physically verified and found intact.
Mangalamgera, Chimmony / Peechi	2014-15	The trenches were physically verified and found intact.

The trenches were evaluated for the physical existence and for the quality. The specifications of both the trenches were checked by verifying the vouchers and estimates.

5. Interior Campshed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 10°35'73.12" E 76°81'36.35"	2014-15	5.5 x 5.5 x 6.5	The condition of the structure is good.
2.	N 10°37'65.48" E 76°69'04.20"	2014-15	6.5 x 5.3 x 2.0	The condition of the structure is good.
3.	N 10°27'12.7" E 76°29'35.26"	2014-15	9 x 6 x 1	The condition of the structure is good.
4.	N 10°49'73.9" E 76°47'07.87"	2014-15	4 x 5 x 3	The condition of the structure is good.
5.	N 11°55'43.85" E 75°52'35.17"	2015-16	4 x 3.5 x 2	The condition of the structure is good.

The works were evaluated for the physical existence and for the quality. The specifications of

all the camp sheds were checked by verifying the old vouchers and the estimates.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Parambikulam/ Karimala	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
2.	Camp Shed/ Parambikulam/ Karimala	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
3.	Camp Shed/ Peechi/ Chimmony	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
4	Camp Shed/ Peechi/ Chimmony	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
5	Camp Shed/ Aralum/ Aralum	The shed is maintained well.	The shed is useful for the frontline staff.	8	High

6. Purchase of equipment

Sr. No.	Location / Range / Division	Items procured	Numbers	Present Status
1.	Naiketty/Sulthan bathery / Wayanad	1.Snake catching unit 2.Tiger protection kit 3.Shield 4. Fire beater 5. Masks and helmets	2 4 2 5 5	All the equipments are in good condition to use.

The equipments purchased were evaluated for the physical existence and for the quality. They were checked by verifying the vouchers and observed all equipments are in good condition.

7. Eradication of Exotic weeds

Eradication of exotic weeds was undertaken in Peechi Division during 2014-15 against the APO 2011-2012, based on the records verified. An area of 263.1 ha was worked.

The major weed removed was *Senna spectabilis*.

8. Soil and Moisture Conservation

A. Gully Plugging: This activity was carried out in Peechi Division.

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N- 10°34'44.5"	2014-2016	8.19 x 1.73 x 0.73	The structures are in good

E- 76° 24'33.9" N- 10°24'46.3" E- 76° 27'30.1" N- 10°25'38.42" E- 76° 28'31.6"		5.5 x 1.63 x 0.685 6.53 x 1.34 x 0.6	condition
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Gully Plugging at Chimmony

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of asset - High, Medium, Low
1.	Gully Plugging/ Peechi Division/ Chimony Range.	The gullies were constructed in 2014-16 . They are in good condition.	The gully plugs have enabled stabilisation of the soil to a large extent.	7	High

The gullies were evaluated for the physical existence and for the quality. The specifications of the gullies were checked by verifying the vouchers and estimates.

B. Contour bunding: This activity was carried out in Wayanad Division.

S. No.	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N 11°43'42" E76° 21'17"	2015 -2016	17.5 x 10 x 25	The structure is intact
2.	N 11°38'3.7" E76° 24'22.59"	2014-2015	5 x 25	The structure is intact

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Earthen bunding/ Wayanad / Sulthan battery	The Earthen bunding constructed in 2015-16 is good	Earthen bunding facilitates water storage.	7	High
2.	Earthen bunding/ Wayanad / Muthanga	The Earthen bunding is good	Earthen bunding facilitates water storage.	7	High

The bunds were evaluated for their physical existence and quality. The specifications of the bunds were checked by verifying the vouchers and estimates.

All the seven activities envisaged were completed during 2014-16 in the circle. No activities were kept pending. Additionally, elephant proof trenches were also made. Overall, an amount of Rs. 79.85 lakhs was allotted to the circle during the period of which 98.21 percent financial achievement was observed.

FIELD DIRECTOR PROJECT TIGER, KOTTAYAM (2014-2016)

The evaluation covered four forest divisions of the circle. They include

1. Periyar East Division
2. Periyar West Division
3. Idukki WL
4. Munnar WL

Nine different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Periyar East Division, Periyar West Division, Idukki WL, Munnar WL
2.	Awareness & Nature Camp	Periyar West Division, Idukki WL
3.	Construction, cleaning, Desiltation of Pond	Munnar WL
4.	Eradication of Exotic weeds	Periyar East Division, Idukki WL, Munnar WL
5.	Improving Connectivity	Periyar East Division, Periyar West Division

6.	Interior Camp Shed & Ration	Periyar East Division, Periyar West Division, Idukki WL, Munnar WL
7.	Purchase of Equipment	Periyar East Division, Periyar West Division, Idukki WL, Munnar WL
8.	Soil and moisture conservation	Idukki WL
9.	Training to protective staff	Periyar East Division, Periyar West Division, Idukki WL, Munnar WL

1. Assistance to Tribal VSS

Discussions were held with VSS groups on the implementation of CAMPA activities in the circle. The Tribal VSS were engaged in protection related activities, for collection and sale of MFP.

2. Awareness & Natural Camp

The staff informed that the activities pertaining to awareness have been completed. The details were verified through records.

3. Construction, cleaning, Desiltation of Pond

Sites	GPS Location	Year of Construction/ Maintenance	Dimensions (m)	Remarks
Paliyanpara, Nellikampetty section	N 09°35'05.45" E 77°12'57.97"	2014-2015	14.5 x 12.5 x 2.5	The asset is maintained well.
Kokkarakanda m II Bit	N 09°36'06.60" E 77°11'02.20"	2014-2015	14.5 x 12.5 x 2.5	The asset is maintained well.
Kokkarakanda m III Bit	N 09°35'57.96" E 77°11'05.50"	2014-2015	26.0 x 19.5 x 4.0	The asset is maintained well.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Pond/Paliyanpara/Thekkady/ Iddukki	Clearing of ground level vegetation grasses and weeds, earth work for excavation, wood fencingsurrounding the pond, concrete working has been carried out.	This pond mostly used for domestic animalas and wild animals drinking purpose, water level maintained throughout the year.	7	High
2.	Pond/ Kokkarakandam II Bit /Thekkady/ Iddukki	Clearing of ground level vegetation grasses and weeds, earth work for excavation, wood	This pond mostly used for domestic animalas and wild animals	7	High

		fencingsurrounding the pond, concrete working has been carried out.	drinking purpose, water level maintained throughout the year.		
3.	Pond/ Kokkarakandam III Bit /Thekkady/ Iddukki	Clearing of ground level vegetation grasses and weeds, earth work for excavation, wood fencingsurrounding the pond, concrete working has been carried out.	This pond mostly used for domestic animalas and wild animals drinking purpose, water level maintained throughout the year.	7	High

The ponds were evaluated for their physical existence and quality. The specifications of the ponds were checked by verifying the vouchers and estimates.

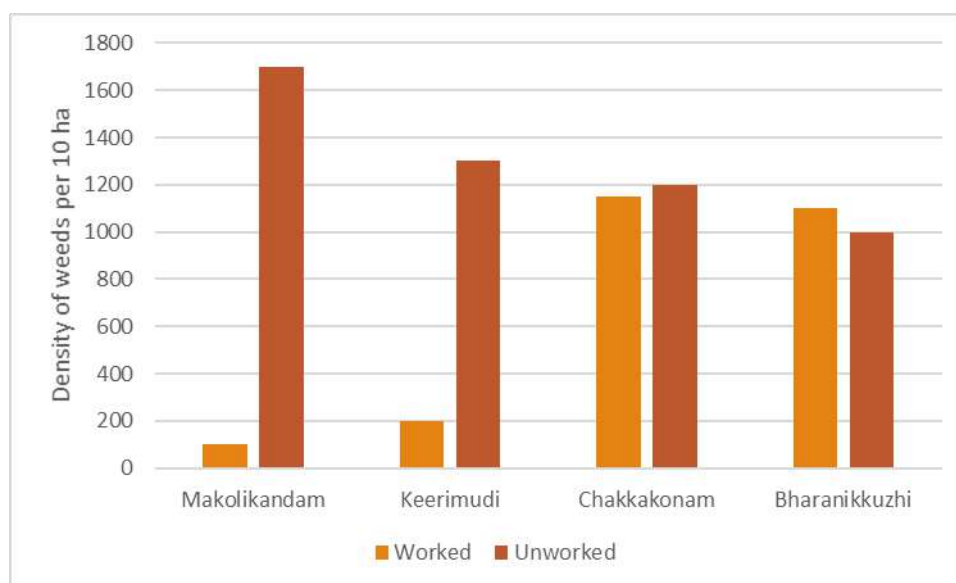


Desiltation of pond

4. Eradication of Exotic weeds

Site	GPS Location of worked plot	Density of weeds in worked plot (per ha)	GPS Location of unworked plot	Density of weeds in unworked plot (per ha)	Effectiveness of work
Makolikandam/ Idukki WLS	N 9°49'35.25" E 76°58'52.80"	9612	N 09°48'30.47" E 76°59'42.80"	42889	22.42% Eradication was effective.
Keerimudi/ Idukki WLS	N 9°49'15.47" E 76°58'.12.54"	15611	N 09°48'45.75" E 76°59'.16.83"	30890	50.54% Very effective.
Chakkakonam/ Idukki WLS	N 9°45'26.81" E76°58'.31.06"	27057	N 09°46'31.08" E 76°59'.35.01"	19334	-39.94%;
Bharanikkuzhi/ Idukki WLS	N 10°07'42.52" - E76°45'.03.01"	20483	N 09°46'31.08" E 76°59'.35.01"	8482	- 41.49 %.
Anakkoodu/ Thekkady/ Iddukki	N 09°35'30.01" E 77°10'27.03"	-	-	-	-
Sakunthalakadu/ Thekkady/ Iddukki	N 09°35'44.02" E 77°10'04.01"	-	-	-	-

In Chakkakonam and Bharanikkuzhi, the density of weed infestation was higher in the worked plot due to higher exotic weed density. Wild animals regularly grazed palatable species; as a result, high density of weed infestation in the worked plot. A comparison of the density of *Lantana camara* in the four sites is presented below.





Weed Growth Assessment in Chakkonam

In Anakkoodu, 350 sandal plants have been protected in an area of 10 ha and in Sakunthalakadu, 741 sandal plants are protected in a 12 ha area. Every tree is numbered and trees with good girth (>10 cm) are protected with iron guards. Regular annual weeding maily enable the natural regeneration of sandal. Grazing/browsing and mortality due to water logging is observed.



Sandal wood trees at Sakunthalakadu



Numbering of the trees in the sandalwood plot

5. Improving Connectivity

Trek paths, partolling routes and vialines were cleared and maintained in the circle in PTR and Idukki WLS.

Location / Range / Division	GPS Location	Dimensions
Mannakkudi to Thondiyar	N 09°35'57.2" E 77°09'25.05"	7.5 Ha Length -3.5km Width – 11 m
Anavachal to Anchuruli	N 09°35'47.1" E 77°09'20.04"	5 Ha Length -3.5km Width – 11m
Entrance check post to Boat landing	N 09°34'40.08" E 77°10'49.06"	3 Ha Length -3.0km Width – 10.5m
Karadikkavala to Methakanam	N 09°34'25.56" E 77°14'58.19"	9 Ha Length -9km Width - 10m
Karadikkavala to Mangaladevi	N 09°35'55.09" E 77°13'17.21"	3 Ha Length -6km Width - 10m
Azhutha	N 09°29'43.58" E 77°07'28.54"	10 km

The activities were verified through inspection of records and found correct except in Azutha.

Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low

1.	Vistaline clearance/ Edapalayam / Thekkady/ Iddukki	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
2.	Vistaline clearance/ Anchuruli APC Campshed / Thekkady/ Iddukki	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
3.	Vistaline clearance/ Thekkady/ Iddukki	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
4.	Vistaline clearance/ Karadikkavala / Thekkady/ Iddukki	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
5.	Vistaline clearance/ Karadikkavala / Thekkady/ Iddukki	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
6.	Uppupara /Azhutha/Iddukki	-	-	-	-



Vistaline clearance in Azhutha

Tribal VSS were engaged in maintaining the vistolines to avoid fire incidence and also involved in clearing jungle growth, weeds, grasses without felling trees. Due to uncertainties in fund release, this activity is currently taken up with funds from other fund sources.

7. Interior Camp Shed & Ration

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Arackapadam campshed	N 09°47'41.4" E 76°59'09.4"	2014	-	The structure is in good condition.
Pachakkanam campshed	N 09°23'07.27" E 77°08.58.91"	2015-16	-	The activity was approved during 2009-2010

The works were evaluated for physical existence and quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10	Assessment on the quality of the asset - High, Medium, Low
1.	Interior Campshed/Idukki WL/Idukki WLS	Camp shed is made of metal sheet, houses 3 rooms including kitchen and is equipped with utensils, vessels, and solar power.	The shed is maintained well. The shed is used by the watchers and forest official on patrolling duty.	9	High
2.	Renovation of building/ Pachakkanam station/ Pampaa/ Iddukki	Renovation of rest room in Duplex quarters at pachakanam section. It was provided with wall tiles and shutters, doors, water closets.	The station is maintained well. The shed is used by the watchers and forest officials.	9	High



Duplex quarters at Pachakanam

8. Purchase of Equipment

Sr. No.	Location / Range / Division	Items procured	Numbers	Present Status
1.	Peermed/Azhutha/Iddukki	Snake tongs, trap cages Tiger and leopard trap cage (122 x 153 x 214 cm) Monkey trap cages (15 x 80 x 75 cm)	4 2 2	All the equipment are in good condition to use.

The equipment procured was evaluated for physical existence and quality and checked by verifying the old vouchers and the estimates.

9. Soil and moisture conservation

Sites	GPS Location	Year of Construction/ Maintenance	Dimensions (m)	Remarks
Kizhukkanam	N 09°44'42.8" E 76°59'09.2"	2014-16	11.5 x 2 x 2 12 x 2 x 3 10 x 2 x 3 7 x 1.6 x 1.1 10 x 2 x 2.5 14 x 2 x 3	Inspected six gullies at Kizhukkanam. Floods have weakened them and needs strengthening and maintenance
Kathithappan kettuchira	N 09°44'26.095" E 77°00'04.41"	2014-16	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3	Inspected Four(4) gullies at kathithappan kettuchira. Floods have weakened

			12 x 3 x 4.5	them and needs strengthening and maintenance.
Vagavanam	N 09°43'24.06" E 76°57'23.3"	2014-16	10 x 2 x 2 11 x 2 x 2.5 8.5 x 1.6 x 2.5 9 x 1.5 x 3	Inspected Four(4) gullies at Vagavanam. They displayed minimal damage. Floods have weakened them and needs strengthening and maintenance.
Vanmavu	N 09°44'31.09" E 76°59'09.6"	2014-16	8 x 2 x 3 10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3	Inspected Four(4) gullies at Vanmavu. Two gullies are damaged and others need some strengthening work.
Kallekkulam area	N 09°43'29.08" E 76°56'35.3"	2014-16	9 x 1.5 x 1.2 15 x 2 x 3 11 x 1.5 x 2 8 x 2 x 3	Inspected Four(4) gullies at Kallekkulam area. Floods have weakened them and needs strengthening and maintenance
Vettilapara	N 09°48'16.3" E 77°00'14.2"	2014-16	10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3 11 x 1.6 x 4 9 x 1.5 x 8	Inspected Five(5) gullies at Vettilapara. Floods have weakened them and needs strengthening and maintenance.
Matnai	N 10°08'29.07" E 76°40'47.25"	2014-16	10 x 1.3 x 1.5 7 x 2 x 1.5 8 x 1.3 x 1.2 10 x 1.3 x 1.25 10 x 1.25 x 1.25 10 x 1.3 x 1.25 8 x 1.3 x 1.25 7 x 1 x 1 7 x 1 x 1 7 x 1 x 1	Inspected Ten(10) gullies at Matnai. They displayed minimal damage. Floods have weakened them and needs strengthening and maintenance.
Chettipally	N 10°07'26.60" E 76°42'18.68"	2014-16	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3 12 x 3 x 4.5 5 x 1.2 x 1 6 x 1.5 x 1.3 12 x 1.5 x 1	Inspected six gullies at Chettipally. They displayed minimal damage which the staff mentioned was due to washing away in floods.
Anjilithandu	N 09°49'03.09" E 76°57'25.5"	2014-16	8 x 1.5 x 1.5 7 x 1.5 x 1.3 7 x 1.3 x 1.5	Inspected 3 gullies at Anjilithandu. Although they are intact, they have been weakened due to floods.

The specifications of the gullies were checked by verifying the old vouchers and the estimates.



Gully Plugging at Idukki WLS

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Gully Plugging/ Idukki WL/ Idukki WLS/ Idukki/ Kizhukkanam, Kathihappan kettuchira, Vagavanam, Vanmavu, Kallekkulam area, Vettilapara, Matnai, Chettipally, Anjilithandu.	The gullies were constructed in 2014-16. They have weakened due to floods. Water retention is poor.	The gully needs to be strengthening. Presently it is able to deliver 75 % of the envisaged impacts	6	Medium

10. Training to protective staff

Training was provided during the period to to protective staff of all four divisions. Expenditure vouchers were verified.

This circle undertook the highest number of activities during the period 2014-2016. The circle implemented most activities listed in the APO. Spillovers of earlier years were also taken up during this period. Overall, an amount of Rs. 50.75 lakhs was allotted to the circle during the period of which 98.4 percent financial achievement was observed.

AGASTHYAVANAM BIOLOGICAL PARK CIRCLE, THIRUVANANTHAPURAM (2014-2016)

The evaluation covered both Shendurney and Thiruvananthapuram Wildlife Divisions of the circle. Six different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activities	Divisions
1.	Assistance to Tribal VSS	Shendurney, Thiruvananthapuram
2.	Construction, cleaning, Desiltation of Pond	Shendurney
3.	Eradication of Exotic weeds	Shendurney
4.	Improving Connectivity	Shendurney
5.	Purchase of Equipment	Shendurney, Thiruvananthapuram
6.	Training to protective staff	Shendurney, Thiruvananthapuram

Due to paucity of funds in the period 2014-2016, the activities were carried out during 2017-2018

SF CR ERANAKULAM (2014-2016)

Though the APO listed eight activities for the period, only two were undertaken. They include the Fire Awareness Campaign in Idukki, Ernakulam, Thrissur and Palakkad and training to protect staff. Microchip Reader for captive elephant management in Social Forestry Division, Ernakulam, was procured. The evaluation team verified all the related documents, such as expenditure vouchers and photographs.

SF SR KOLLAM (2014-2016)

Though Fire Awareness Campaign was envisaged in Malappuram, Kozhikode, Wayanad, Kannur and Kasaragode, funds were received only in 2017-2018; hence no activity was carried out during the evaluation period.

SF NR KOHIKODE (2014-2016)

During the years 2014-2015 and 2015-2016, under CAMPA, several activities had been conducted such as fire awareness rally (walk, cycle, bike etc.) camps, plantations, plastic waste management etc. in different districts (Kasaragode, Kannur Wayanad, Kozhikode and Malappuram) of Northern Kerala. The evaluation team verified all the related documents such as expenditure vouchers and photographs and observed 88.7 % financial achievement.

FOREST HEADQUARTERS (2014-16)

At the Forest Headquarters, the interests generated from the funds of the CAMPA account were utilised for secretarial assistance at the office of the nodal officer to support works related to monitoring and evaluating the implementation of APOs. Under the Net Present Value (NPV) of the Forest Land Fund, sixteen 4-wheel-drive vehicles were purchased, for field officers / Rangers/Forest Stations, well within the budget. The allotment orders, purchase orders, bank statements, utilisation certificates, cheque issue register and bills were verified and found correct. The Headquarters also allocated funds to purchase Customised vehicle for Crisis Management for Rapid Response Teams (RRTs) to all districts. The fund allotted was fully utilised for the activities mentioned above.

4. RECOMMENDATIONS AND SUGGESTIONS

The proposed evaluation had multiple objectives. *Inter alia*, this evaluation examined the impact of various activities in terms of increase in vegetation spread, soil and water conservation measures, infrastructure development, capacity building and the extent to which the objectives of CAMPA were achieved. The qualitative data were used to support further analysis of variations across regions and categories. The following are the recommendations and suggestions arising out of this present monitoring and evaluation of CAMPA activities in Kerala

- (a) Establishment and Maintenance of Plantations: The success rate of the plantations was high overall and Species-wise survival rates with progressing age across the regions revealed suitability of certain species over others. Some of the species though were slow growing, had established well despite minimal or no maintenance. These species could be used in future planting programmes, subject to the fact that the species selected could be matching with floristic composition of the respective forest types. A striking feature was the involvement of the local communities in the selection of the species, especially in the fringe areas, followed by planting and watch and ward. In most cases, gap planting has been taken up, with contour trenches established in the sites. This has facilitated natural regeneration of many species. In some sites, very poor establishment was observed. The major reasons include (i) Heavy infestation of the invasives which prevented establishment of the planted saplings (ii) trampling of saplings by wild animals such as elephants, bear, wild boar and deer. Regular maintenance enables better establishment. A provision of watch and ward provision for 4 to 5 years, excluding the plantation year would ensure good survival rates and better stocking in afforested sites.
- (b) Composition of species was observed to differ between divisions and within sites within a division too. The number of species selected for planting in each site was also low. Though efforts have been taken to match the species with sites, a larger native species mix would improve success rates, and enable better planning for future plantings. Proper assessment of soil quality and climate conditions, would be very helpful for establishment of the saplings. All planting sites require at least five years of maintenance. This investment must

be done to ensure success of the plantations. In areas of high biotic interference, eight years of maintenance is desirable.

- (c) Regional and State level workshop could be organized for prioritation of species for Afforestation/Enrichment planting in the forest areas by involving local communities, field staff of SFDs, Forestry Research institutions, NGOs and other stakeholders.
- (d) Technical support can be obtained from Forestry Research institutions for transferring/developing seed handling techniques and nursery technologies for indigenous species prioritized for Afforestation / Enrichment planting.
- (e) In remote locations and in locations with high damages to the planted seedlings by wild animals, manual seeding of indigenous species using “Seed Ball Technologies” could be attempted.
- (f) Maintenance costs should be linked to survival rates and strict guidelines should be framed regarding replanting in failed sites.
- (g) Protection measures were not effective in many places. It is essential to provide maintenance provisions for five years so that the purpose is well achieved.
- (h) Fodder Plantations should be prioritied in elephant corridors which would act as deterrents to their entry into human-habitation.
- (i) Soil & Water Conservation (SWC)Works: Most SWC works carried out in the forest areas are effective. The SMC activities, in most places, have increased the vegetation, indicating the moisture retention impacts. However, certain SWC structures are very crucial as they connect different ranges within a division. Such chappaths deserve special attention. Due to frequent flooding, heavy wear and tear is observed in most chappaths. The depth and width of rivers has increased in many sections. Such chappaths need to be replaced with concrete structures with the support of the PWD. Some of the water-holding structures are old, and not capable of holding water to the designed potential. Such structures may be abandoned.
- (j) Protection of Forests and Wildlife: Anti-Poaching Camps (APC) have been established throughout the state in almost all divisions. The APCs are sufficienfly equipped with staff and modern equipment for protection activities. There is a need to regularly support the staff with protective gears and field survival kits.

- (k) GIS-based forest survey monitoring has been attempted in the state. The staff report that this has helped prevent, contain and douse forest fires in many places. All staff have to be provided basic training in the use of advanced methods of monitoring for protection. The procedures of fire management / fire protection can be extended to the forest fringe area inhabitants in addition to school/ college students.
- (l) Provisions need to be made in the budget for procuring more field vehicles, as a dearth in availability of these was observed.
- (m) In almost all divisions, the maintenance of buildings, roads, SMCs are taken up regularly. A fixed cycle could be adopted for maintenance and repair of civil works, rather than taking a routine annual maintenance.
- (n) A decentralised allotment to the social forestry wings may be thought of, to meet the local needs for each division.
- (o) Encourage more research on development of artificial breeding or incubation units for sea turtles. In addition to census, research on habitat, feeding, breeding and migratory patterns will help in the management of key stone faunal species. It will also help the managers in identifying appropriate conservation related works.
- (p) Incentives to temporary staff associated with the department's activities for more than ten years.
- (q) Digitisation of records would enable easy access to information.
- (r) Internal evaluation needs to be strengthened and a database must be established to monitor the changes. This would enable regular assessment of seasonal works like protection camps, fire protection works etc. Further, this report should also be made available during third party monitoring and evaluation.
- (s) Timely fund release is viewed to be more helpful for executing the plantation activities in the respective APO execution years.
- (t) Permanent structures created under CAMPA should be displayed/indicated through suitable markings to ensure proper visibility of CAMPA-funded activities.

ANNEXURES

Annexure I

Minutes of meeting
Third Party Evaluation of State CAMPA Activities in Kerala
23rd November 2021
Venue: VC Hall, IFGTB

Participants:

IFGTB	Kerala Forest Department
Dr. C. Kunhikannan, Director IFGTB	Shri. Rajeesh Ravindran IFS, CEO
Dr. R. Yasodha, Scientist G & GCR	CAMPA & APCCF
Dr. JP Jacob, Scientist G – <i>on leave</i>	Ms P. T. Sreelekha, ACF, SA&NO,
Shri. Rajesh Gopalan IFS - <i>online</i>	CAMPA
Dr. C. Buvanewaran, Scientist F	
Dr. Kannan CS Warriar, Scientist F	
Dr. A. Karthikeyan, Scientist F	
Dr. D.R.S. Sekar, Scientist F – <i>not attended</i>	
Dr. Rekha R Warriar, Scientist F	
Dr. S. Saravanan, Scientist F	
Dr. A. Rajasekaran, Scientist F	

An online meeting was held on 23rd November 2021 at 10.00 am to discuss the modalities of third party evaluation of CAMPA-related works undertaken in Kerala by Kerala Forest Department.

Under CAMPA, various activities have been taken up to accelerate preservation of natural forests, management of wildlife, infrastructure development in the sector and other allied works.

Shri Rajesh Ravindran, CEO-CAMPA listed the different circles where CAMPA activities have been taken up. He sought evaluation of different protection activities, labour deployed for watch and ward, fire protection, and site suitability, especially regarding

ecorestoration of monoculture plantations, the species planted and their performance, etc.

Dr. S. Saravanan, Scientist F, presented the need for third-party evaluation to assess the various activities taken under State CAMPA. He elaborated on the requirements of the National CAMPA Authority concerning the monitoring while carrying out the evaluation. He also detailed the methodology for the evaluation process and the extent of sampling for the different activities taken under CAMPA based on the guidelines provided by the IIFM, Bhopal with necessary modifications. He also informed that IFGTB has experience working towards the evaluation of NAP of the NAEB in Kerala and providing consultancies to various industries. A team has been formed for the execution of the work.

This was followed by a discussion on the modalities for execution of the evaluation. The following points emerged.

1. An MoU would be signed between the Kerala Forest Department and IFGTB towards the activity. IFGTB would complete the evaluation within a period of six months from the date of release of funds.
2. State CAMPA would provide information, plantation journals, maps, measurement books, and all relevant records pertaining to the CAMPA works from 2009 to the present. Co-ordination in the state, local travel, lodging, and field support of personnel would also be provided by the Department.
3. The Department looks forward to APO-wise reports. Thus, six reports are envisaged at the end of the evaluation.
4. The sampling intensity was agreed upon.
5. A proposal including financial requirements and draft MoU would be sent to the CEO-CAMPA for perusal.
6. The CEO-CAMPA would visit IFGTB during the last week of November, 2021 for a detailed discussion and finalising the proposal.

Annexure II

Timelines of the Evaluation

Milestone	Activity
September 2021	Identification of IFGTB for Third party Monitoring
November 2021	Finalisation of activities under the Third Party Monitoring
January 2022	Acceptance of Project proposal of IFGTB for Monitoring & Evaluation of CAMPA activities in Kerala . Approval of the MoU.
March 2022	Signing of the MoU and Release of the First Instalment
April to June 2022	Field works
July to September 2022	Report preparation
September 2022	Release of the Second Instalment
October 2022	Submission of Final Report

Annexure III

APO-wise components implemented in various Circles

Component	Circle
Assistance to Tribal VSS	ABP Circle
	Central Circle, Thrissur
	Eastern Circle, Palakkad
	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle
	SF CR Eranakulam
	Southern Circle, Kollam
	Wildlife Circle Palakkad
Awareness programme	Central Circle, Thrissur
	Northern Circle
	Southern Circle, Kollam
	Wildlife Circle Palakkad
Better connectivity includes culverts/foot bridges, roads. Compensatory Afforestation Works	Wildlife Circle Palakkad
	Central Circle, Thrissur
	High Range Circle, Kottayam
	Northern Circle
Conducting Nature Camps	Southern Circle, Kollam
	FDPT Kottayam
	Northern Circle
	Southern Circle, Kollam
Construction, cleaning, Desiltation of Pond	Wildlife Circle Palakkad
	ABP Circle
	FDPT Kottayam
	High Range Circle, Kottayam
Eradication of Exotic weeds	Northern Circle
	SF CR Eranakulam
	ABP Circle
	Central Circle, Thrissur
Fire Awareness Campaign	FDPT Kottayam
	Wildlife Circle Palakkad
	SF CR Eranakulam
	SF NR Kozhikode
Fire Watch Stations Interior Camp Sheds	SF SR Kollam
	High Range Circle, Kottayam
	Eastern Circle, Palakkad
	FDPT Kottayam
	Wildlife Circle Palakkad

<i>Light System as in fire force (Tower Lights)</i>	Wildlife Circle Palakkad
<i>Maintenance of checkdams and desilting</i>	Wildlife Circle Palakkad
<i>Mtce of Patrolling Routes / Trek Paths</i>	ABP Circle
	Eastern Circle, Palakkad
	FDPT Kottayam
	High Range Circle, Kottayam
	Wildlife Circle Palakkad
<i>Providing Vehicle</i>	Forests HQ
<i>Purchase of Equipment</i>	ABP Circle
	Eastern Circle, Palakkad
	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle
	SF CR Eranakulam
	Southern Circle, Kollam
	Wildlife Circle Palakkad
<i>Purchase of Microchip Reader for captive elephant management</i>	SF CR Eranakulam
<i>River Bank Stabilization/Protection</i>	Southern Circle, Kollam
<i>Soil and moisture conservation</i>	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle
	SF CR Eranakulam
	Southern Circle, Kollam
	Wildlife Circle Palakkad
<i>Training to protective staff</i>	ABP Circle
	Central Circle, Thrissur
	Eastern Circle, Palakkad
	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle
	SF CR Eranakulam
	Southern Circle, Kollam
	Wildlife Circle Palakkad
<i>Turtle Conservation & Monitoring</i>	SF CR Eranakulam

Annexure IV

Monitoring and evaluation teams

Teams	1	2	3	4	5
Region	Southern Circle, Kollam (1)	Southern Circle, Kollam (2)	High Range Circle, Kottayam (1)	High Range Circle, Kottayam (2)	FD PT, Kottayam (1)
Team Co-ordinators (Dr/Mr/Ms)	C. Buvaneswaran	Rekha R Warriar	Kannan CS Warriar	K. Murali Shankar	S. Saravanan
Team Leaders (Dr/Mr/Ms)	A. Balasubramanian	R. Sumathi	K. Gireesan	A. Mayavel	S.P. Subramani
Member	N. Sivadasan	L.Vivek	K. Sureshkumar	J. Soosairaj	K. Senthil
Member	V. Mareeswaran	S. Sudha	K. Gopalakrishnan	P. Vignesh	M. Suryaprakash
Member	S.S. Abijith	R.G. Anitha	T. Pradeep	K.R. Shankar	R.Ariharasuthan
Member			C. Muthumanikam	M. Vishnu	M. Mahalingam
Team Co-ordinator (KFD)	Fen Antony, ACF	Fen Antony, ACF	KS Subash, ACF	Subash, ACF	Sandeep.S, ACF

Teams	6	7	8	9	10
Region	FD PT, Kottayam (2)	ABP	Social Forestry, Southern Region, Kollam	Central Circle, Thrissur	Social Forestry, Central Region, Thrissur
Team Co-ordinators (Dr/Mr/Ms)	N.V. Mathish	A. Rajasekaran	A.C. Surya Prabha	D. Raja Suguna Sekar	J. Sriram
Team Leaders (Dr/Mr/Ms)	S.P. Subramani	Muhammad Ali Noushad	P. Chandrasekar	B. Deeparaj	A. Mayavel
Member	K. Senthil	P. Manoharan	J. Soosairaj	P. Malliga	R. Abinaya
Member	M. Suryaprakash	L. Mahalingam	P. Vignesh	S. Pragadeesh	C.V. Vijayam
Member	R.Ariharasuthan	S. Selvakumar	K.R. Shankar	R. Kalaiselvi	R. Sathishkumar
Member	M. Mahalingam	N. Vijayanand	M. Vishnu	C. Thamotharan	Rudranath, V.R.
Team Co-ordinator (KFD)	Sandeep.S, ACF	Ajith.N , ACF	Rohini. GR, ACF	V.P. Jayaprakash, ACF	Chinnu Janardhanan, ACF

Teams	11	12	13	14	15
Region	Social Forestry, Northern Region, Kannur	Northern Circle, Kannur	Eastern Circle, Palakkad	Wildlife, Palakkad	Research Division N and S, & Headquarters
Team Co-ordinators (Dr/Mr/Ms)	Madhavraj G. R	A. Karthikeyan	Rekha R Warriar	Rekha R Warriar	JP Jacob
Team Leaders (Dr/Mr/Ms)	K.N. Ashirth	R. Archana	S.Lalitha	A. Shanthi	K. Shanthi & Muhammad Ali Noushad
Member	Srijita Ganguly	C. Rajesh	M. Ganesan	R. Velumani	M.V.Vineetha
Member	M. Jeyakumar	S.M. Paulraj	N. Sudha	A. Sathish	P. Vipin
Member	V. Abirami	Remya T Radhan	Mishra Avinash	K. Rajasekaran	C. Kandasamy
Member	C.K. Suresh	M. Manikandan	S. Ajay		T. Govindaraj
Team Co-ordinator (KFD)	Sunil Kumar. K, ACF	Ajith K Raman, ACF	K. Manoj, ACF	Sanall.P., ACF	Adersh.M, ACF

Report Preparation

Dr C. Kunhikannan, Director
 Dr R. Yasodha, Scientist G & GCR
 Dr Rekha R Warriar, Scientist F

Editorial Assistance

Mrs R. Sumathi, Chief Technical Officer

Annexure X

Third Party Monitoring and Evaluation of CAMPA Plantations and Other Activities

for the period
2016-2018

Submitted to
Kerala Forests & Wildlife Department (CAMPA)

by
Institute of Forest Genetics and Tree Breeding
(*Indian Council of Forestry Research and Education*)
Coimbatore – 641002



October 2022

Preface

The State of Kerala established the Compensatory Afforestation Management and Planning Authority (CAMPA) Scheme in 2009 to encourage afforestation, reforestation, and restoration/regeneration activities to compensate for forest land diverted for non-forest purposes and to enhance the state's forest cover. The Kerala Forests & Wildlife Department prepared the Annual Plan of Operations (APO) for the years 2016-2017 & 2017-2018, which the MoEF & CC, GoI approved. As per the APOs, the state planned various activities, including compensatory afforestation, soil and moisture conservation, biodiversity conservation, awareness campaigns on forests, wildlife and the environment, eradication of invasive alien weeds, river bank stabilisation, protection of research plots and seed production areas, creation of fire breaks and other essential maintenance activities towards forest conservation. All these activities were spread across the forest divisions of the state, including wildlife sanctuaries. The success and sustainability of these CAMPA activities, including structures established and plantations raised in terms of planning, implementation, the quantity of inputs, condition of health and survival, and outcomes, need to be evaluated and documented for monitoring purposes by an independent agency. Accordingly, IFGTB-ICFRE, Coimbatore, was awarded the monitoring and evaluation of CAMPA activities undertaken. A team of IFGTB staff, including forest officers, scientists and technical personnel, have been involved in the work since March 2022. The sampling methodology approved by MoEF & CC was broadly followed, and a detailed survey, monitoring and evaluation exercises were conducted to represent all the forest circles and plantation models adopted in a given year. Overall the CAMPA activities

supported the forests and contributed to enhancing forest health in Kerala. I would like to acknowledge the Kerala Forests & Wildlife Department for their support and assistance in bringing out this document in a comprehensive manner.

Dr C. Kunhikannan
Director

Acknowledgements

We acknowledge the Kerala Forest & Wildlife Department for identifying IFGTB-ICFRE, Coimbatore, to evaluate the CAMPA activities carried out from 2016 to 2018. We sincerely thank the PCCF & Head of Forest Force for facilitating this special assignment. We would like to express our gratitude to Shri. Rajesh Ravindran IFS, APCCF & Chief Executive Officer, CAMPA, Kerala, who facilitated the evaluation work and extended valuable guidance in finalizing the formats for evaluation of different CAMPA activities in the state. We would like to express our sincere thanks to all the Divisional Forest Officers, Range Forest Officers, Frontline Field Staff and VSS members for their assistance in providing the assessment teams with the essential logistics and information during the on-site evaluation.

TEAM, IFGTB

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FACT SHEET

S. No.	Item	Details
1.	Scope of evaluation	Third-party monitoring and evaluation of the CAMPA Activities of Kerala Forests and Wildlife Department (2016-18)
2.	Period of evaluation work	Signing of MoU - March 2022 Field works - April to June 2022 Report preparation - July to September 2022
3.	Focus	Quality of conservation and development works. Assessment of compensatory afforestation activities. Public awareness campaigns.
4.	Number of Evaluation teams	15 Evaluation Teams and one editorial team.
5.	Objective	<ul style="list-style-type: none"> • To evaluate different plantations established under CAMPA in different forest divisions of Kerala. • To evaluate the civil structures (buildings and soil & water conservation structures) established under CAMPA in different forest divisions of Kerala. • To suggest for improvement in quality of plantations for future.
6.	Area covered	25 territorial forest divisions. 14 social forestry divisions. 11 wildlife divisions.
7.	Sample size	Plantation: 20% plantation randomly selected from various divisions. Sampling intensity for evaluation is nearly 10% for block plantations. For every hectare of plantation, the evaluation to be done on a 30 x 30 m plot. In the case of a linear plantation, evaluation of every 10 th tree/planted sapling of each row for 25% of its length per running km basis.

		<p>Soil and Moisture Conservation (SMC) activities: 20% of SMC works evaluated in each division based on random selection from measurement book (Mbook).</p> <p>Eradication of weeds: Density assessment and plot transects.</p> <p>Forest protection: 10% of all fire lines evaluated in each division.</p>
8.	Findings	<ul style="list-style-type: none"> • The quality of departmental works was mostly high (82%) • Check-dams and gullies are the major SMC works taken up. • The involvement of the VSS in various department activities has ensured a participatory approach to the protection and conservation of forests. • The activities undertaken were minimal due to delayed release of funds.

Executive Summary

The Forest (Conservation) Act (1980) was enforced to conserve and protect forest resources. The Act mandated that whenever forest land is diverted for non-forestry purposes usually the conditions relating to transfer, mutation and declaration as Reserve Forest/Protected Forest, the equivalent non-forest land for compensatory afforestation and funds for raising compensatory afforestation etc. are to be imposed. Additional conditions such as maintaining a safety zone area, fencing and regeneration etc. are prescribed for mining purposes, and catchment area treatment plans are stipulated for big and medium irrigation projects. Further, the Act provided that the non-forest land for Compensatory Afforestation (CA) was to be identified contiguous to or close to Reserved Forest or Protected Forest. The funds for CA are received from the user agencies based on the rates fixed by the State Forest Department, which are site-specific and vary according to the species, type of forest and site. The fund received for compensatory afforestation, additional compensatory afforestation etc. has to be used as per site-specific schemes submitted by the state along with the approved proposals for diversion of forest land. After receipt of the fund, State Forest Department has to accomplish the afforestation for which money is deposited in the CA Fund within a period of one year or two growing seasons.

The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Kerala has been constituted with the objective of conservation, protection, regeneration and management of existing natural forests, wildlife and their habitat and raising site specific compensatory afforestation, penal compensatory afforestation etc. As per the provisions of CAMPA guidelines, the state CAMPA has been

formulating Annual Plans of Operation (APO) since 2009-10. The APO for the period 2016-17 to 2017-18 were approved vide No. 15-2(18)/2017-CAMPA dated 18.12.2017.

The Government of India released Rs. 6,22,25,000 for the period 2016 to 2018 to Kerala to implement CAMPA Activities.

The Assignment

As a range of activities were taken up under CAMPA, a technical evaluation of the activities by a third party was considered essential. IFGTB-ICFRE was identified to carry out third-party monitoring of all the CAMPA interventions since 2009-10 (File No. FC5-1433/2021 dated 28.01.2022). The broad scope of evaluation comprised all the components and sub-components of CAMPA implementation in Kerala.

Study Area

The evaluation study covered 50 forest divisions of Kerala (25 Territorial, 14 Social Forestry and 11 Wildlife Divisions) under 11 forest circles. In addition, Research Divisions where CAMPA funds were utilised are also covered in the study.

Study Approach and Methodology

Various CAMPA interventions were evaluated using appropriate sampling criteria, data collection approaches and, in view of diversity, nature of component and stakeholders involved. The study approach and methodology have been adopted from the evaluation formats of the MoEF & CC, Gol.

Details of Data Collection

- **Primary Data:** First-hand information was obtained using separately designed formats for different components and subcomponents.
- **Secondary Data:** Secondary data relating to various activities undertaken in CAMPA were collected from the circle, division and range offices in pre-designed formats and checklists.
- **Focussed Group Discussion:** FGDs with the members of the VSS were conducted to evaluate peoples' perceptions and participation levels in implementing CAMPA activities in a given locality.
- **Consultation with Forest Officials:** Consultations were undertaken with a range of forest officers involved at various stages- planning and decision making, implementation, monitoring and evaluation. This included Divisional Forest Officers (DFOs), Forest Range Officers (FROs), Forest Beat Officers (FBOs), Foresters, Forest Guards, etc.
- **Field Observation:** Data on survival, field measurements to assess growth in different plantations, condition of physical structures in SMC activities and weed density in plantation sites were collected. Notes were prepared on various activities under CAMPA implementation, which provided the basis for the entire evaluation process.

Performance of CAMPA during the period 2016 to 2018

- The total funds received from the Adhoc CAMPA up to APO year 2016-18 stands at Rs. 6.22 crores and the expenditure ending March 2018 was 3.92 crores which is 63.02 % of the funds received. The core activities undertaken with the CAMPA funds comprise

creation of SMC structures, forest protection and assistance to tribal VSS.

- The non-core activities comprised biodiversity conservation, infrastructure development, forest IT, monitoring, evaluation and accounting.
- This period focussed more on soil and moisture conservation activities, assistance to tribal VSS and improving connectivity (50%). The VSS members were engaged in almost all the activities.
- Various SMC structures in CAMPA APOs included check dams, contour trenches, gully plugging etc. SMC structures undertaken by frontline forest officers under CAMPA are site-specific as per the site requirement.
- Preparatory works for ecorestoration were taken up. Most activities were done departmentally, an economical and time-saving approach.
- Eradication of weeds were taken up in five many divisions while river stabilisation was taken up by three divisions. This is an improvement over the earlier APOs.
- Inclusion of VSS members in patrolling, fire break creation, developing infrastructure in interior forest areas, has encouraged their active participation in conservation activities.
- Training and capacity development programmes did not receive much attention during this period.
- Under infrastructure development, efforts were taken to repair / improve dilapidated structures. The major construction activities undertaken with the help of CAMPA funds were antipoaching campsheds.

Recommendations & Suggestions

1. Maintenance and watch and ward may be continued for 4 to 5 years for better establishment.
2. Number of watchers should be increased proportionate to the size of the plantation site.
3. There should be provision in CAMPA APOs for the periodic maintenance of SMC structures as most SMC structures are subject to heavy wear and tear due to recurrent floods.
4. Buildings / structures constructed during this period needs to be repaired and maintained. In some cases, renovation / refurbishing may also be done based on a fixed schedule.
5. The frontline staff may be trained on seed handling and nursery technologies of native tree species.

Monitoring and Evaluation of CAMPA Plantations and Other Activities (2016-2018)

1. Introduction

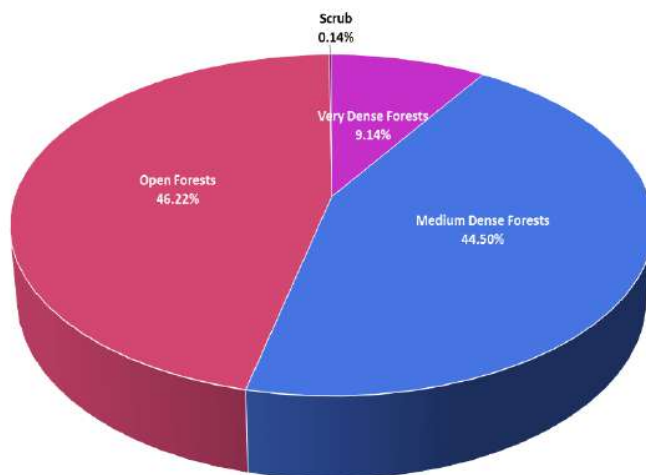
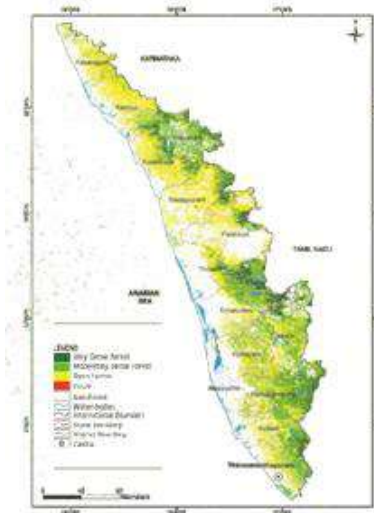
1.1 Background

Forests in India comprise diverse forest types and reserved areas accounting for about 24.62 % of the country's geographical area. Forest provides livelihood support to the people living in and adjoining forests. Forests are the most significant natural carbon sinks and regulate water regimes. Given that the forest sector provides goods and services to humankind, forest land is diverted for developmental activities for non-forestry purposes, consequently leading to considerable shrinkage of forest cover.

Kerala is endowed with rich natural resources. The conducive tropical climate favours forests with rich biodiversity and endemism. The Western Ghats, one of the Biodiversity hotspots, runs all along the eastern boundary of Kerala. Unfortunately, the increasing population and changing lifestyles exert tremendous pressure on forests. The greatest challenge today is to accommodate developmental needs by minimizing the destruction of its pristine forests.

1.2 Forest Cover in Kerala

The forest cover in the state based on the interpretation of the Forest Survey of India (FSI) 2021 is 21,253.49 sq km which is 54.7 % of the state's geographical area.



Source: ISFR, 2021

Forest Cover in the State has increased by 109 sq km compared to the previous assessment reported in ISFR 2019.

Among forest canopy density classes, the state has 1944.32 sq km area under very dense forest, 9472 sq km area under moderately dense forest and 9837.17 sq km area under open forest.

1.3 Forest Cover in Kerala From 2015 To 2019

Forest cover in the state has been increasing over the years. Forest conservation and afforestation activities are the key reasons for the improvement.

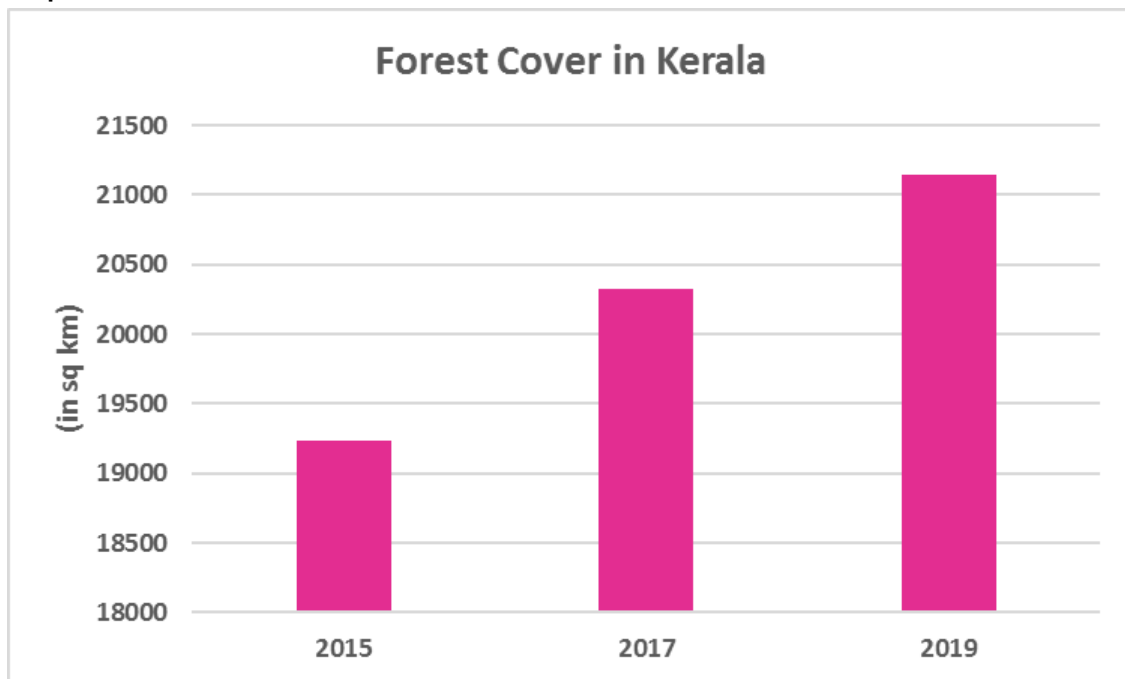
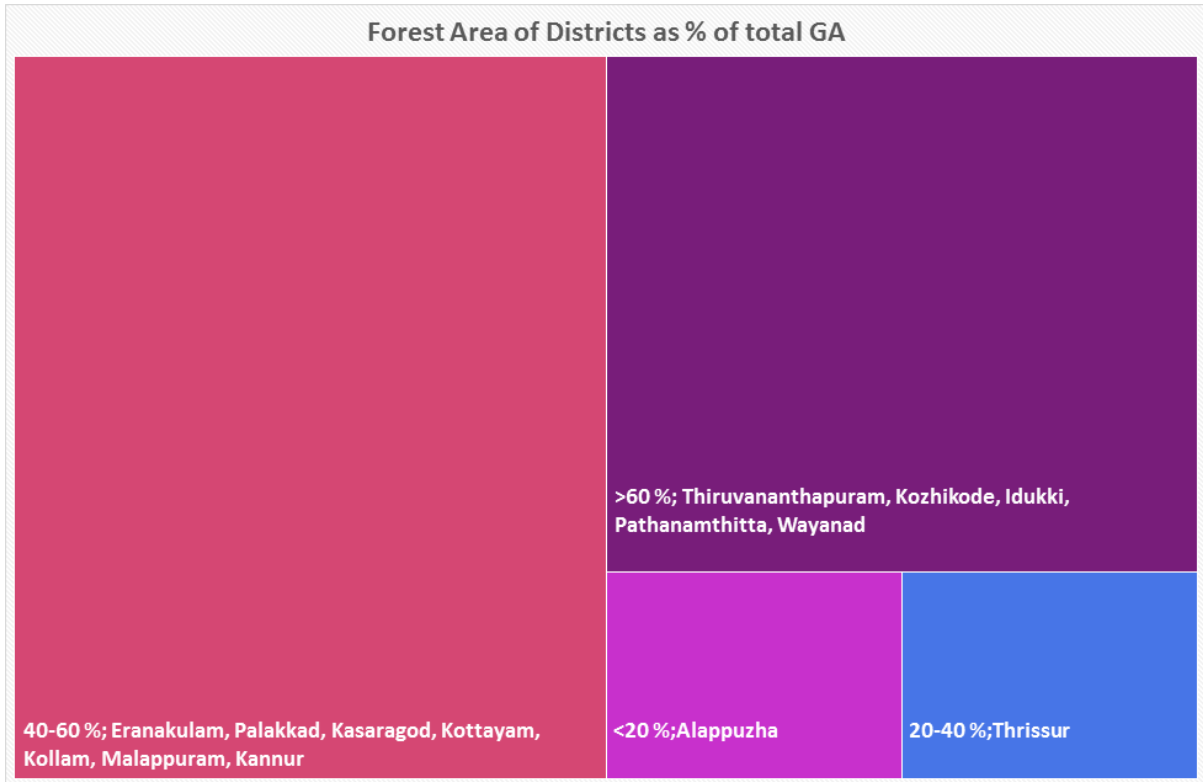


Figure 1.1 Forest Cover in Kerala From 2015 To 2019

1.4 District-wise Forest Coverage in Kerala

The tree map at Fig 1.2 provides the distribution across districts.



Comparing district-wise area cover in Kerala, Idukki has the largest forest cover (3155 sq km) in the state, followed by Palakkad (2104 sq km), Malappuram (1984 sq km), Pathanamthitta (1949 sq km) and Kannur (1669 sq km). In terms of percentage of forest cover concerning the total geographical area, Wayanad with 74.2 % has the highest forest cover, followed by Pathanamthitta (73.49%), Idukki (72.44%), Kozhikode (61.74%) and Thiruvananthapuram (60.17%). Data reveals an increase in forest cover by 109 sq km in 2021 compared to 2019 (Kerala ENVIS, 2022).

Nearly 60 lakh ha of forest is degraded with less than 40% canopy density. This is the target area for the afforestation programmes. Forest plantations extend over 1.56 lakh ha, teak being the major species, covering almost 50 % of the total plantation area, followed by mixed plantations and Eucalyptus. The natural forests, plantations and homestead gardens contribute to the state's green cover, and all these are required in forest management.

2. Project profile

Compensatory Afforestation Programmes in the state were initiated in 1993, and plantations were maintained until 2002-03. The Government of India notified The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in April, 2004. The State CAMPA receives funds collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation) Act, 1980. Kerala State CAMPA was constituted in November 2009.

The Kerala Forests & Wildlife Department (KFD) has been receiving funds since 2009 from CAMPA, MoEF&CC, Gol for various developmental activities such as afforestation programs, soil and moisture conservation works, capacity building for staff and local communities, the establishment of civil structures, etc. in various forest divisions of Kerala. The funds are spent for compensatory afforestation, biodiversity conservation, soil and moisture conservation, etc. The Chief Executive Officer, CAMPA, Kerala, is responsible for preparing the schemes, Annual Plan of Operations (APO) for CAMPA, and getting it approved by the Executive Committee, Steering Committee and the Government of India, followed by implementation of the approved APO. After receiving the fund allotment under State CAMPA, the implementing officers, the District Forest Officers (DFOs) execute the assigned activities as per the APO. Under each major heads, there are different subheads available, which vary according to site conditions and needs.

The total cost of CAMPA activities from 2016 to 2018 is Rs. **6.22** crores. The details of the Divisions, and the number of activities against different years are in Annexure-III.

3. Methodology:

Physical Verification of Activities

I. Plantation - *Methodology*:

- 10% plantation randomly selected from various divisions.
- Sampling intensity for evaluation - 10% for block plantations.
- For every hectare of the plantation, the evaluation was done on a 30 x 30 m plot.
- Each plot was marked on a map of the plantation area, and GPS co-ordinates of all such (30 x 30 m) plots were collected.
- In case of linear plantation, every 10th tree/planted sapling of each row was evaluated for 25% of its length per running km basis (5 intermittent line transects - each for 5% of length per running km) .
- The evaluation was done on 0.1 ha by laying a 30 x 30 m plot based on random sampling.

II. Soil and water conservation measures:

- (a) The teams obtained the norms and expenditure of SMC activities taken up in the plantation site from the respective offices.
- (b) The teams assessed the quantity/ present condition/ treatment plans of the different SMC works. 20% sampling was carried out.
- (c) For civil works, 50% M&E was carried out, based on random selection from Measurement Books from various divisions.

III. Eradication of weeds

Density assessment - plot counts

- Three or more plots (quadrats) of size 10 x 10m (located randomly over the site) were marked, and the number of plants within the plots was counted.
- To get the actual number per hectare, multiplied the average number of plants in the plots by 100.

Plot transects

- Marked out 100m transects, keeping them parallel to one another (10m-50m apart). Using a 2 x 2m plot frame (using a rope) plots were placed at intervals along the transect.
- The number of plants within the plot was counted. The values were converted to density measure by averaging the number of plants in each of the plots (i.e. individuals per hectare)

IV. Forest protection

- 10% of all firelines were evaluated in each division based on random selection from Measurement Books from various divisions.

V. Qualitative Aspects

Focused group discussion (FGD): FGD was conducted for 10% of the villages in which CAMPA works were undertaken with at least 15 villagers in a commonplace within the village. The group comprised office bearers of JFMC, BPL households, and village residents.

Ranking of individual projects

The criterion below was used to evaluate the project needs since the site parameters, species and inputs provided vary from site to site.

Site suitability	High	Medium	Low
Suitable area with favourable site condition rainfall, soil, etc.	7 to 10	>3 to <7	≤3
Medium quality forest sites	>5	2-5	≤2
Poor forest sites	> 4	2-4	≤2

Criteria for classifying a site into suitable site, medium site and poor site

- (a) Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- (b) Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- (c) Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

This approach involved aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allowed better tracking of performance trends.

The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory
1	Highly Unsatisfactory	

Physical verification

Each of the selected plots was visited by the monitoring team and the following details were documented in the field.

- Plot location with GPS co-ordinates and area
- Plantation type and design (wherever available)
- Year of establishment
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance
- Anthropogenic pressure, etc.

Parameters considered during M&E

- **For plantations**
 - a. **Qualitative** - site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
 - b. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
 - c. **Other parameters** - Management practices, biotic and abiotic factors, etc.
- **For civil constructions**
 - a. Verification (sketch and dimensions) based on the original documents and 'M-book'.

Deliverables and time schedule

Work plan submission	One week after signing the agreement
Field Data Collection	Two - three months
Draft report submission	One month after Field Data Collection
Final report submission	Two months after Draft report submission
Total Duration	6 Months

4. Evaluation Details of the Circles and Divisions

The details of various circles and divisions evaluated are presented below.

	Circles	Divisions
Territorial Circles and Divisions	Northern Circle, Kannur.	Kannur, North Wayanad, South Wayanad and Kozhikode Forest Divisions
	Eastern Circle, Palakkad.	Nilambur North, Nilambur South, Mannarkkad, Palakkad and Nemmara Forest Divisions
	Central Circle, Thrissur.	Thrissur, Chalakkudy, Vazhachal and Malayattoor Forest Divisions
	High Range Circle, Kottayam.	Kothamangalam, Mankulam, Munnar, Marayoor and Kottayam Forest Divisions
	Southern Circle, Kollam	Ranni, Konni, Punalur, Thenmala, Achenkovil and Thiruvananthapuram Forest Divisions
Wildlife Circles and Divisions	Wildlife, Palakkad.	Aralam, Wayanad, Parambikulam, Peechi and Silent Valley National Park Wildlife Divisions.
	Field Director Project Tiger, Kottayam.	Munnar, Idukki, Periyar Tiger Reserve East & Periyar Tiger West Wildlife Divisions.
	Agasthyavanam Biological Park, Thiruvananthapuram.	Shendurney and Thiruvananthapuram Wildlife Divisions.
Social Forestry Circles and Divisions.	Social Forestry, Kozhikode.	Kasargode, Kannur, Wayanad, Kozhikode and Malappuram Social Forestry Divisions.
	Social Forestry, Ernakulam.	Palakkad, Thrissur, Ernakulam and Idukki Social Forestry Divisions.
	Social Forestry, Kollam.	Alappuzha, Kottayam, Pathanamthitta, Kollam and Thiruvananthapuram Social Forestry Divisions.
Research Circles & Research Divisions	Working Plan & Research	Kozhikode, Palakkad, Munnar, Punalur and Kollam Working Plan Divisions as well as Research Division, Thrissur Research Division

NORTHERN CIRCLE, KANNUR (2016 - 18)

The evaluation covered six forest divisions of the circle. They include

1. Kannur
2. Kozhikode
3. North Wayanad
4. South Wayanad

Seven different activities were undertaken in the circle. The distribution of activities is as follows

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Kannur, Wayanad
2.	Improving Connectivity	Kozhikode
3.	CAW - Completion of Central Nursery work (Phase II)	Wayanad
4.	CAW - Preparatory work for setting up Permanent Nursery	Thiruvananthapuram, Pathanamthitta.
5.	Eradication of Exotic weeds	Wayanad South
6.	River Bank Stabilization/Protection	Wayanad
7.	Soil and moisture conservation	Wayanad

In addition, activities envisaged during 2014 to 2016 were also taken up during this period.

1. Assistance to Tribal VSS

The activities envisaged in the reporting period were carried out in 2018-19.

The spill over activities of 2014-15 and 2015-16 were completed during the reporting period.

Sl.No	Location / Range / Division	Activity	Year of activity	Remark
1	Karakkunnu/ Pulppally FS Chedleth Range/ South Wayanad	Wheel track concrete near tribal colony	2017-18	Work carried over from APO 2014-15 & 2015-16
2	Vettathoor/ Pulppally FS Chedleth Range/ South Wayanad	Wheel track concrete near tribal colony	2017-18	Work carried over from APO 2014-15 & 2015-16
3	Vettathoor/ under Pulppally FS Chedleth Range/ South Wayanad	Wheel track concrete near tribal colony	2017-18	Work carried over from APO 2014-15 & 2015-16
4	Karukanthode sandal area in Klapetta Range/ South Wayanad	Maintenance of Machans	2017-18	Work carried over from APO 2014-15 & 2015-16

Further, as part of assistance to the tribal VSS, Fire Mazdoor/Fire Gangs/ activities were taken up which involved the VSS members.



Wheel track concrete near tribal colony

Sl.No	Location / Range / Division	Activity	Year	Remark
1.	Kattipara/Puthuppady / Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
2.	Ponnankayam/North beat/Nairkolly/ Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
3.	Kolamala/Puthuppady / Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
4.	Kakkavayal/Kanalad / Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
5.	Kodothikkunnu/ Nairkolly/ Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
6.	Kakkad/Puthuppady / Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
7.	Maruthilavu/Kanalad / Thamarassery / Kozhikode	Fire mazdoor	2017-18	Work carried over from APO 2014-16
8.	Kuttiyadi /Thamarasseri / Kozhikode	Fire protection and mazdoor, Rescuing wild animals	2017-18	Work carried over from APO 2014-16
9.	Neelimala/Baderi / Meppady / South Wayanad	Fire gang	2017-18	Work carried over from APO 2014-16
10.	Palachuram/Badery/ Meppady / South Wayanad	Fire gang	2017-18	Work carried over from APO 2014-16
11.	Settukunnu/Sugandagiri/ Kalpetta / South Wayanad	Fire gang	2017-18	Work carried over from APO 2014-16

12.	Valanchola medicinal plantation/ Sugandagiri/ Kalpetta / South Wayanad	Fire gang	2017-18	Work carried over from APO 2014-16
13.	Aranamala / Mundakai / Meppady / South Wayanad	Fire gang	2017-18	Work carried over from APO 2014-16

2. Improving connectivity

The activities envisaged in the reporting period were carried out in 2018-19.

3. Soil & Moisture Conservation

Activities such as Contour bunding / Gully Plugging / Pond Desiltation were deferred to 2018-19. However, the spill over from APO 2014-15 & 2015-16 - construction/ cleaning/ distillation of pond was carried out.

Site	Location / Range / Division	GPS Location	Activity	Year of Construction	Dimensions (m)	Remarks
1	Manthodam/Pulpally / Chedelth /South Wayanad	N11°32'22.8" E76°00'98.2"	Construction of Pond	2017 - 2018	14 x 11.2x 1.9	Work carried over from APO 2014-16
2	Udhaynkara/Pulpally / Chedelth /South Wayanad	N11°41'17.5" E76°56'30.7"	Construction of Pond	2017 - 2018	15 x 5 x 2	Work carried over from APO 2014-16
3	Mandankolly/Irulam / Chedelth /South Wayanad	N12°34'14.8" E75°08'61.7"	Construction of Pond	2017 - 2018	16 x 13 x 10.5	Work carried over from APO 2014-16
4	Nairkolly/Irulam / Chedelth /South Wayanad	N12°34'14.8" E75°08'61.7"	Construction of Pond	2017 - 2018	13 x 10 x 10.5	Work carried over from APO 2014-16

Observations of the Evaluation Team: The records were verified and found correct. Ponds retain only 60 - 75 % envisaged capacity. Hence, needs periodical desiltation.

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1	Pond / Chedelth / South Wayanad	Four ponds were constructed. Water retention is medium. The ponds need to be desilted periodically.	Presently the ponds are able to retain only 60 -75 % envisaged capacity.	6	Medium



Pond at Udhaynkara



Pond at Mandankolly

4. Eradication of weeds

The activities envisaged in the reporting period were carried out in 2018-19.

5. River Bank Stabilization/Protection

The activity was carried out during 2017-2018 and the activity was physically verified, records perused and found correct.

Location / Range / Division	GPS Location	Activity	Year of Activity	Dimensions (m)	Remarks
Balavanthadukka /Kasargode	N12°53'53.5" E75°18'80.56" Altitude: 62 msl	River Bank Stabilization	2017-18	160 x 1.7 x 0.5	The vegetation has established well.

6. Purchase of equipment

This activity was a spillover from the APOs of 2014-15 and 2015-16. The equipment procured by the divisions was physically verified, and records checked and found correct.

SI.No	Location / Range / Division	Activity	Year	Remark
1	Mananthavady Range/ North Wayanad	Firefighting equipments	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.
2	Peria range / North Wayanad	First Aid Box for field staff	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.
	Kalpetta Range / South Wayanad	Purchase of animal rescue articles rescuing wild animals	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.
1	Division office/ Kozhikode	Purchase of Cages, Snake catching equipments	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.
2	Division office/ Kozhikode	Purchase of rope, trapping net for RRT	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.
	Padinjarathara section/ Kalpetta Range / South Wayanad	Purchase of life saving equipment for departmental petrol boat	2017-18	Work carried over from APO 2014-16 Verified the records and found correct.



Fire fighting and life saving equipment

- 7. Awareness Program/ Nature Camps/ Training to protective staffs**
 This activity was a spillover from the APOs of 2014-15 and 2015-16. The records were checked and found correct.

Sl.No	Location / Range / Division	Activity	Year	Remark
1.	Kuruva/ Pulppally/ South Wayanad	Conducting fire awareness rally from Tholpetty to Muthanga	2017-18	Work carried over from APO 2014-16
2.	Kalpetta / South Wayanad	Conducting training to protective staff	2017-18	Work carried over from APO 2014-16
3.	Mundakkai / Meppady / South Wayanad	Cost of conducting training to protective staff and watchers	2017-18	Work carried over from APO 2014-16
4.	Meppady / South Wayanad	Legal training on Forest Laws and precaution measures to be taken against forest fire	2017-18	Work carried over from APO 2014-16
5.	Vythiry & Muttill / Meppady / South Wayanad	Cost of conducting training to protective staff and watchers	2017-18	Work carried over from APO 2014-16
6.	Mananthavady / North Wayanad	Fire awareness programme for staff & watchers	2017-18	Work carried over from APO 2014-16
7.	Begur / North Wayanad	training to protective staff for All India Tiger estimation Phase-I	2017-18	Work carried over from APO 2014-16
8.	Mananthavady / North Wayanad	Fire awareness programme by fire & rescue service	2017-18	Work carried over from APO 2014-16
9.	Begur / North Wayanad	Fire awareness programme for field staff	2017-18	Work carried over from APO 2014-16
10.	Peria / North Wayanad	one day awareness camp at varayal for field staff	2017-18	Work carried over from APO 2014-16
11.	North Wayanad	GPS training for protective staff	2017-18	Work carried over from APO 2014-16
12.	Peruvannamuzhy, Kozhikode	Fire awareness programme to staffs and fire watchers	2017-18	Work carried over from APO 2014-16

The spill over activities of 2014-15 and 2015-16 with regard to assistance to VSS, Soil and Moisture conservation and purchase of equipments were completed during the reporting period. One activity was taken up during 2017-2018 and rest of the 5 activities envisaged in the reporting period were carried out in 2018-19 in the circle. Overall, an amount of Rs. 213 lakhs was allotted to the circle during the period of which 67 percent financial achievement was observed.

EASTERN CIRCLE, PALAKKAD (2016 - 2018)

The evaluation covered five forest divisions of the circle. They include

1. Mannarkkad
2. Nenmara
3. Nilambur North
4. Nilambur South
5. Palakkad

Only two activities have been undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Nilambur, Nemmara , Mannarkkad and Palakkad
2.	Construction & Maintenance of Camp Shed	Nilambur, Nemmara , Mannarkkad

1. Assistance to Tribal VSS

The Appankavu village in Vazhikkadavu range of Nilambur North received library books supporting education. In the Agali village of Attapadi and Mannarkkad ranges were provided with 174 gas connections. Gas connections were also extended to Olavakkode and Walayar ranges of Palakkad.



A beneficiary with the LPG Cylinder

2. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
Bommiyampadi campshed/Pudur, Attappadi/Mannarkkad	N11°7'2.21" E76°33'4.88"	2016-18	337m ³	The condition of the structure is good.

The physical condition and asset quality of the camp shed was assessed. Physical measurements and verification of vouchers and estimations were used to verify the specifications of the camp sheds.



Bommiyampadi campshed

Remarks:

Sl. No.	Type of Assets/ Division / Range	Type of current use/ Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Bommiyampadi/ Attappadi	The shed is maintained well.	The shed is routinely used by the frontline staff.	7	High

The works carried out for interior camp shed and ration were evaluated for the physical existence and for the quality. The specifications of the camp shed was checked by verifying the old vouchers and the estimates and found to be correct and the structure is maintained well and used by the frontline staff regularly.

The circle received Rs. 9.00 lakhs; the financial achievement was 99.67 per cent.

CENTRAL CIRCLE (THRISSUR) (2016 - 2018)

The evaluation covered four forest divisions of the circle. They include

1. Chalakkudy
2. Malayattoor
3. Thrissur
4. Vazhachal

Only eradication of weeds was envisaged in the circle, which was verified through records. Due to delay in the release of funds, activities were shifted to 2018-19. An amount of Rs. 4.00 lakhs was allotted which was spent on the activity.

HIGH RANGE CIRCLE, KOTTAYAM (2016-18)

The evaluation covered five forest divisions of the circle. They include

1. Kothamangalam
2. Kottayam
3. Mankulam
4. Marayoor
5. Munnar

Four different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Construction, cleaning, Desiltation of Pond	Munnar
2.	Fire Watch Stations	Kothamangalam
3.	Improving Connectivity	Marayoor
4.	Soil & Moisture Conservation	Kottayam, Mankulam, Marayoor, Munnar, Kothamangalam

In most divisions, no funds were allocated during these years; hence the activities were shifted to the subsequent years. In addition, spillover activities of 2009-14 were taken up during this period.

1. Construction, cleaning, Desiltation of Pond

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Perumbankuthu	N10°08'24.08" E76° 54'37.28" Elevation- 405m	2017-2018	10 x 10 x 1.40	Water stored at full level

The structure was physically verified and records inspected and found correct.



Perumbankuthu Waterhole in Munnar Division

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Water Hole/ Munnar Division/ Adimali Range / Perumbankuthu	Clearing of ground level vegetation grasses and weeds, earth	This water hole is mostly used to provide water for animals. Water level is	8	High

		work for excavation.	maintained throughout the year.		
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2. Fire watch stations

Sites	GPS Location	Year of Construction	Dimensions (m ³)	Remarks
1	N10.02111° E76.80035° Elevation- 86 msl	2017-18	Plastering: 58.75m ² Earthwork: 58.05m ³ Foundation:33.15m ³ RCC: 26.1m ³	The structure is intact.
2	N10° 16' 01.03" E77° 09' 09.14" Elevation- 979 msl	2017-18	8.19 m ³	The structure is intact

Under this activity, two forest watch stations were established. The structures were verified physically and dimensions were measured and confirmed with the vouchers/records.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Forest Watch Station / Kothamangalam Mullaringad / Chullikkandam / Bluvady	The total plinth area covered is 6.81 sq m. The structure comprises two storeys.	It is useful for the frontline staff to monitor various activities.	9	High
2.	Fire Watch Station / Ooruvasal/ Marayoor Division/ Marayoor Range	The total plinth area covered is 8.19 sq m. The structure comprises two storeys.	It is being used by the frontline staff	9	High



Forest Watch Station at Kothamangalam

3. Soil & Moisture Conservation

In Kottayam division, SMC related activities were carried out as a spillover of 2009-14 works during 2017-18. The vouchers/records were verified and found correct.

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
A1/4	N09°27' 50.6" E76°49' 30.5"	2017-18	2 x 0.933 x 5.7	Work carried over from APO 2009-14
A2/4	N09° 43' 34.9" E77° 01' 10.2"	2017-18	2 x 0.875 x 5.5	Work carried over from APO 2009-14
A3/4	N09°43.554' E76°59.958'	2017-18	2 x 0.941 x 6.65	Work carried over from APO 2009-14
A4/4	N09° 27' 50.6" E76° 49' 30.5"	2017-18	2 x 1.09 x 9.25	Work carried over from APO 2009-14

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/ Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Gully plugs / Kottayam/ Kanchiyar /	Water stored at half level	The gullies have been laid out in a teak plantation area. The moisture	9	High

Ayyapancoil/ Kallar		content in surrounding areas is improved.		
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Gully Plug at Ayyapancoil

4. Construction & Maintenance of Camp Shed

Sites	GPS Location	Year of Construction	Dimensions (m ²)	Remarks
1	N10° 08' 13.59" E76° 54' 53.56" Elevation- 433m	2017-2018	294.28 m ²	The structure is intact

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/ Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Antipoaching camp shed / Perumbankuthu, Munnar Division / Adimali Range	The structure comprises two bedrooms, a kitchen and a varandah.	It is being used by the frontline staff	10	High



Perumbankuthu Camp Shed

The work was evaluated for physical existence and quality. The specifications of the camp shed were checked by verifying vouchers and estimates.

The spill over activities of 2009-14 with regard to Soil and Moisture conservation were completed during the reporting period. The other three activities were completed as per the APO. Overall, an amount of Rs. 29.23 lakhs was allotted to the circle during the period of which 94.14 percent financial achievement was observed.

SOUTHERN CIRCLE, KOLLAM (2016 - 2018)

The evaluation covered six forest divisions of the circle. They include

1. Achenkovil
2. Konni
3. Punalur
4. Ranni
5. Thenmala
6. Thiruvananthapuram

Five different activities were envisaged in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Ranni
2.	Construction & Maintenance of Camp Shed	Achenkovil
3.	Improving connectivity	Achenkovil
4.	Soil and moisture conservation / Gully Plugging	Achenkovil, Konni
5.	River Bank Stabilization/Protection	Punalur*

*This activity was handled by the Timber Sales Division, Punalur.

1. Assistance to Tribal VSS

In Paruthipally forest range of Ranni division, basic infrastructure such as LPG connection was provided to the tribal settlement and beneficiaries mentioned that the LPG provision is highly useful, time saving and reduced their dependence on forests for firewood. As part of the CAMPA operation, the tribal communities in the Ranni division, a turmeric processing unit has been established. This was made functional the following year.

Site	Year	LPG connection beneficiaries interviewed	Remarks
Thendiyamala, Karipalam, Valiyakilikode, Paruthipally Forest Range	2016-17 & 2017-18	Smt. Omana Smt. Vasantha SA Smt. Salini S Smt. Sarojoni Smt. Sujatha Smt. Deepa Smt. Indira Smt. Radha K Shri. Deepu K Smt. Deepa S	The beneficiaries mentioned that the support rendered by the forest department has reduced their dependence on forests for firewood.

			
<p>Smt. Omana, Kizhakkumkara Veedu, Thendiyamala, Paruthipally Forest range beneficiary of LPG connection under CAMPA fund</p>	<p>Smt. Sujatha, Vishnubhavan, Valiyakilikode, Paruthipally Forest range beneficiary of LPG connection under CAMPA fund</p>		

2. Construction & Maintenance of Camp Shed

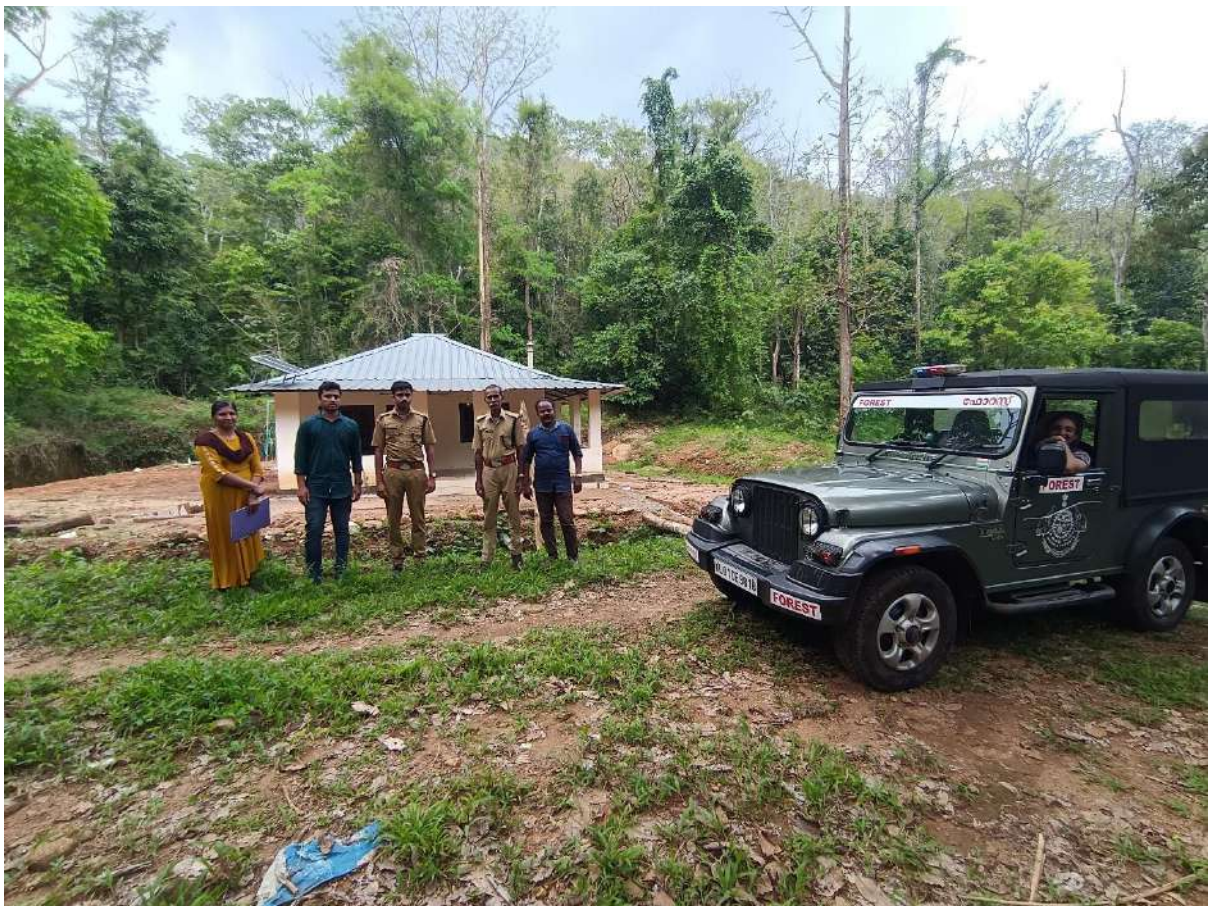
Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N09°8'2.382"; E77°8'44.52"	2017-2018	9 x 6	Used by the forest staff regularly for their stay. A 20 x 3 x 3 EPT on 4 sides of the campshed has also been created.

At Pulikayam, Achenkoil, a camp-shed was built and maintained. On inspection it was found that the specifications were in accordance with the dimensions mentioned in vouchers. At present, the physical structure is in good condition and is well-maintained. The frontline personnel reported that the shed is quite helpful in carrying out forestry activities. The elephant proof trench executed around the campshed on all four sides were inspected and found that about 30% of the area is damaged due to rains. It needs reworking to safeguard the campshed and stay of frontline staff.

Remarks:

Sl. No.	Type of Assets/ Division / Range	Type of current use/ Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low

1.	Camp Shed / Pulikayam / Achenkoil	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
2	Elephant Proof Trench / Pulikayam / Achenkoil	20 x3 x 3 on 4 sides of the campshed	To safeguard the Campshed from elephants	5	The trenches were physically verified. It was 30 % damaged due to rain. Reworking of the trench is needed.



Camp Shed with Elephant Proof Trench

3. Improving connectivity

Patrolling routes and trek paths were laid from Vazhaperiyar to Onnamkallu of Kanayar Range of Achenkovil division. Boundary lines were made in 84 blocks and all are found to be intact during evaluation team inspection. The trek paths, forest roads and patrolling routes are well maintained. Fire line was laid for 3.5 Km at Savacotta of Achenkoil division.

4. Soil and moisture conservation

Under this activity, gully plugging was carried out in 25 sites in Mundomoozhy of Konni division, 3 sites in Katttikuzhy of Achenkoil division and 6 sites in Vazhaperiyar of Achenkoil division. These activities were verified physically and dimensions were measured and confirmed with the vouchers/records. All the structures were in healthy conditions and useful in soil moisture conservation.

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N09°8'09.06" E77°12'0.006"	2017-18	3.8 x 1.5 x 0.65	At Katttikuzhy, Achenkoil Healthy with no damage
2	N09° 07 8.83" E 77°11' 5.51"	2017-18	13.33 x1.37 x0.73	At Katttikuzhy, Achenkoil Healthy with no damage
3	N 09°10' 06.6" E77 °10' 1.26"	2017-18	2.55 x 1.6 x 0.35	At Katttikuzhy, Achenkoil Healthy with no damage
4	N09°7'26.58" E77°11'24.912"	2017-18	6 gullies of size 4 x 1.2 x 1.2	At Vazhaperiyar, Achenkoil, Healthy with no damage



Gully Plugging at Kattikuzhy

No spill-over activities were taken up in this circle during the reporting period. One activity, river bank stabilisation was undertaken by the Timber Sales Division, which is not within the team's purview. Overall, an amount of Rs. 28.46 lakhs was allotted to the circle during the period which was fully utilised.

WILDLIFE PALAKKAD CIRCLE (2016 - 2018)

The evaluation covered four divisions of the circle. They include

1. Peechi
2. Parambikulam
3. Silent Valley
4. Wayanad

Five different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activity	Divisions
1.	Assistance to Tribal VSS	Parambikulam, Peechi
2.	Construction & Maintenance of Camp Shed	Wayanad, Parambikulam, Peechi
3.	Improving Connectivity	Silent valley, Wayanad
4.	Eradication of Exotic weeds	Peechi
5.	Soil and moisture conservation / Gully Plugging	Peechi

1. Assistance to Tribal VSS

Discussions were held with the tribal members of Van Samraksha Samiti living in different villages of Parambikulam forest division. Solar street lights distributed under CAMPA activities were physically verified in some of the locations. The villagers of Wayanad division have made a request to implement scheme for house construction.

In the most vulnerable areas in the forest divisions of Parambikulam, Wayanad and Peechi, the forest department constructed solar power fences during 2016-17 and 2017-18. The locations include Karimala, Nallathanni and Mankuchy. The entire stretch of solar fencing was physically verified. There are minor damages to the fences. Relevant records were verified and found to be in order.

Location	Year	Remarks
Karimala section in Parambikulam	2016-17	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Nallathanni, Sultha bathery range, Wayanad	2016-17	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Mankuchy , Chimony range, Peechi division	2017-18	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.

2. Construction & Maintenance of Camp Shed

The campshed established under CAMPA in Muthanga range of Wayanad division is well maintained. It is useful to the forestry personnel. The physical quality was

assessed and found satisfactory. In the Payampara location of the Peechi division, the campshed was refurbished (kitchen) for the use by the frontline staff. The inspection team evaluated the work for physical existence and quality. Frontline staff informed that the shed is in regular use. The specifications of camp shed were verified with vouchers and estimates and found to be in order.

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1.	N11°39'19.28" E76°25'51.78"	2016-17	-	Maintenance only
1.	N10°25'53.4" E76°30'19.02"	2016-17	5.5 x 2.9 (Kitchen only)	The structure is in good condition.

Remarks:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Wayanad/ Muthanga range	The shed is maintained well.	Useful for the frontline staff.	7	High
2	Camp shed /Payampara/ Chimony range/Peechi	The shed is maintained well.	Regularly used by the frontline staff.	7	High



Elephant Proof Trench: Two different locations (Vavala and Anapodu) of Chimony range in Peechi Division were provided with elephant proof trenches during 2016-17. The dimensions of the trenches were physically verified and found to be in conformity with vouchers and records available with the department.

3. Improving connectivity

Trek paths, patrolling routes and vista lines were cleared and maintained in the circle in PTR and Wayanad WLS.

Location / Range / Division	GPS Location	Year of Activity	Dimensions (km)
Kathiapalam / Wayanad WL	N11°56'54.2345" E76°4'30.4276"	2017-18	3.5
Onnamkulam / Wayanad WL	N11°38'31.023" E76°25'21.264"	2017-18	2
Ellakalcheranad / Muthanga / Wayanad WLS	N11°44'59.82" E76°21'19.662"	2017-18	4
Muthanga/ Wayanad WLS	N11°40'1.356" E76°22'21.672	2017-18	1.5
Sulthan bathery/ Wayanad WLS	N11°35'.49" E76°13'27"	2017-18	2.25



Trek Path in Muthanga

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1	Trek Path/ Kathiapalam / Wayanad WL	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
2	Trek Path/ Onnamkulam / Tholpetty / Wayanad WL	The trek path is maintained well.	The path is used regularly by the frontline staff.	7	High
3	Fire line / Ellakalcheranad / Muthanga / Wayanad WLS	The fire line was 20 per cent less than mentioned in records.	The fire line helped protect against fires.	5	Medium
4	Tourism road / Muthanga / Wayanad WLS	The road is well maintained.	Supports ecotourism.	7	High
5	Patrolling road / Sulthan bathery/ Wayanad WLS	The road is well maintained.	Used regularly by the frontline staff.	7	High

The activities were verified through inspection of records and found correct except in S. No. 3 where the length mentioned was 5 km.

4. Eradication of Exotic weeds

Eradication of Exotic weeds was undertaken in Anaporu (12 ha), Peechi Wildlife Division, Chikkanji (60 ha), Kurichiyat (9 ha) and Tholpetti (260 ha) in Wayanad WL Division, verified based on the records. The major weed eradicated was *Senna spectabilis*. *Lantana camara*, *Chromolaena odorata* and *Mikania macarantha* were also observed.



Weed assessment in Tholpetty

5. Purchase of equipment

As a part of forest fire prevention and control operations, and safety, the department purchased protection equipment in Vellanai section in Peechi division. The forestry personnel informed that these items are put to use effectively. This activity was a spillover from 2009-14.



Safety Equipment

One spill-over activity were taken up in this circle during the reporting period. SMC activities could not be undertaken. Overall, an amount of Rs. 27.10 lakhs was allotted to the circle during the period which was fully utilised.

FIELD DIRECTOR PROJECT TIGER, KOTTAYAM (2016-18)

The evaluation covered four forest divisions of the circle. They include

1. Periyar East Division
2. Periyar West Division
3. Idukki WL
4. Munnar WL

Three different activities were undertaken in the circle. The distribution of activities is as follows:

S.No.	Activity	Divisions
1.	Eradication of Exotic weeds	Idukki WLS
2.	Improving Connectivity	Periyar East Division
3.	Soil and moisture conservation / Gully Plugging	Idukki WLS

1. Eradication of Exotic weeds

Eradication of weeds envisaged in the circle was verified through records. The sites include Makolikandam, Keerimudi, Chakkakonam, Bharanikkuzhi, Anakkoodu, Sakunthalakadu in the Idukki Wildlife sanctuary. The major exotic weeds present in the area are *Clidemia hirta*, *Chromolaena odorata*, *Lantana camara* and *Mimosa diplotricha*. *Lantana camara* was found to be the most prominent weed.



Weed assessment at Idukki



Weeds at Keerimudi

2. Improving Connectivity

S. No.	Location	Year	Activity	Remarks
1.	Peermed, Azhutha Range	2016-18	Fire gangs	Forest officials visit the VSS regularly on a month basis to discuss fire protection activities. Verified the activities through inspecting bills books and vouchers and found correct.

VSS members were involved in the fire protection activities. The activities were verified by inspecting bills books and vouchers and found correct.

3. Soil and moisture conservation

Sites	GPS Location	Year of Construction/ Maintenance	Dimensions (m)	Remarks
Kizhukkanam	N09°44'42.8" E76°59'09.2"	2016-18	11.5 x 2 x 2 12 x 2 x 3 10 x 2 x 3 7 x 1.6 x 1.1 10 x 2 x 2.5 14 x 2 x 3	Inspected six gullies at Kizhukkanam. Gullies are weakened due to flood and needs strengthening and regular maintenance.
Kathithappan kettuchira	N09°44'26.095" E77°00'04.41"	2016-18	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3 12 x 3 x 4.5	Inspected Four (4) gullies at kathithappan kettuchira. Gullies are weakened due to flood and needs

				strengthening and regular maintenance.
Vagavanam	N09°43'24.06" E76°57'23.3"	2016-18	10 x 2 x 2 11 x 2 x 2.5 8.5 x 1.6 x 2.5 9 x 1.5 x 3	Inspected Four (4) gullies at Vagavanam. They displayed minimal damage. Gullies are weakened due to flood hence needs strengthening and regular maintenance.
Vanmavu	N09°44'31.09" E76°59'09.6"	2016-18	8 x 2 x 3 10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3	Inspected Four (4) gullies at Vanmavu. Two gullies are damaged and 2 need strengthening work.
Kallekkulam area	N09°43'29.08" E76°56'35.3"	2016-18	9 x 1.5 x 1.2 15 x 2 x 3 11 x 1.5 x 2 8 x 2 x 3	Inspected Four (4) gullies at Kallekkulam area. Gullies are weakened due to flood hence needs strengthening and regular maintenance.
Vettilapara	N09°48'16.3" E77°00'14.2"	2016-18	10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3 11 x 1.6 x 4 9 x 1.5 x 8	Inspected Five (5) gullies at Vettilapara. Gullies are weakened due to flood hence needs strengthening and regular maintenance.
Matnai	N10°08'29.07" E76°40'47.25"	2016-18	10 x 1.3 x 1.5 7 x 2 x 1.5 8 x 1.3 x 1.2 10 x 1.3 x 1.25 10 x 1.25 x 1.25 10 x 1.3 x 1.25 8 x 1.3 x 1.25 7 x 1 x 1 7 x 1 x 1 7 x 1 x 1	Inspected Ten (10) gullies at Matnai. They displayed minimal damage. Gullies are weakened due to flood hence needs strengthening and regular maintenance.
Chettipally	N10°07'26.60" E76°42'18.68"	2016-18	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3 12 x 3 x 4.5 5 x 1.2 x 1 6 x 1.5 x 1.3 12 x 1.5 x 1	Inspected six gullies at Chettipally. They displayed minimal damage which the staff mentioned was due to washing away in floods.

Anjilithandu	N09°49'03.09" E76°57'25.5"	2016-18	8 x 1.5 x 1.5 7 x 1.5 x 1.3 7 x 1.3 x 1.5	Inspected 3 gullies at Anjilithandu. Although they are intact, they have been weakened due to floods.
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Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
2.	Gully Plugging/ Idukki WL/ Idukki WLS/ Idukki/ Kizhukkanam, Kathithappan kettuchira, Vagavanam, Vanmavu, Kallekkulam area, Vettalapara, Matnai, Chettipally, Anjilithandu.	The gullies were maintained in 2016-18, but weakened due to floods, hence water retention is poor	The gullies needs strengthening. Presently it is able to deliver only 75 % of the envisaged impact.	6	Medium

Inspected 46 gullies at Kizhukkanam, Kathithappan kettuchira, Vagavanam, Vanmavu, Kallekkulam area, Vettalapara, Matnai, Chettipally, Anjilithandu and observed that the gullies are weakened due to flood and need maintenance and strengthening. The works were evaluated for physical existence and quality. The specifications of all SMC activities were verified with measurement books and found correct.



Matnai Gully Plugging



Chettipally gully plugging

No spill-over activities were taken up in this circle during the reporting period. The circle focussed on SMC activities during this period. Overall, an amount of Rs. 7.58 lakhs was allotted to the circle during the period - 81.66 per cent financial achievement was observed.

AGASTHYAVANAM BIOLOGICAL PARK CIRCLE, THIRUVANANTHAPURAM (2016-18)

The evaluation covered both Shendurney and Thiruvananthapuram Wildlife Divisions of the circle.

Five different activities were undertaken in the circle. The distribution of activities is as follows:

S. No.	Activities	Divisions
1.	Assistance to Tribal VSS	Thiruvananthapuram
2.	Construction, cleaning, Desiltation of Pond	Shendurney, Thiruvananthapuram
3.	Eradication of Exotic weeds	Shendurney
4.	Improving Connectivity	Shendurney, Thiruvananthapuram
5.	River Bank Stabilization/Protection	Shendurney, Thiruvananthapuram

Most works was carried out during the period are spillover activities from 2014-2016.

1. Construction, cleaning, Desiltation of Pond

Sites	GPS Location	Year of Activity	Dimensions (m)	Remarks
Kattilappara	N08°55'41.63" E77°03'41"	2017-18	10 x 6 x 0.3	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.
Kattilappara	N08°54'9.53" E77°06'48.6"	2017-18	17 x 7.5 x 0.7	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.
Mankuthu	N 08° 55' 41" E 77° 3' 41"	2017-18	15 x 12.6 x 0.9	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.
Samaramukku	N 08°55'11.86" E 77° 8'37.268"	2017-18	10 x 9 x 0.9	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.

Remarks:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3,	Assessment on the quality
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				Medium >3 to<7, High 7 to 10	of the asset - High, Medium, Low
1.	Pond/ Kalluvarambu / Shenduruney Wildlife/ Kattilappara	The water hole is present in a swampy area surrounded by Myristica swamps. There is silt deposition and the water depth is less than 50 cm. The water hole is poorly maintained and needs desiltation.	This water hole is mostly used to provide water for animals.	4	Medium
2	Pond/ Kalluvarambu / Shenduruney Wildlife/ Kattilappara	The water hole is present in a swampy area surrounded by Myristica swamps. There is weed growth on the sides of the pond. The pond is partially maintained and desiltation is needed.	This water hole is mostly used to provide water for animals.	7	High
3	Pond/ Kalluvarambu / Shenduruney Wildlife/ Mankuthu	Tree have fallen into the pond, weed growth is minimal. The pond is well maintained.	This water hole is mostly used to provide water for animals.	9	High
4	Pond / Ettapadappu /Shenduruney /Shenduruney Wildlife /Samaramukku	The pond is filled with soil and silt. The water hole is poorly maintained and needs desiltation.	This water hole is mostly used to provide water for animals.	3	Low

The activity carried out during the period is spillover from 2014-2016. The ponds were evaluated for physical existence and quality and observed that one water hole is

maintained well while the remaining rest are poorly maintained and needs desiltation. The specifications of the ponds were checked by verifying the vouchers and estimates.



Heavily silted pond at Ettapadappu



Pond at Kalluvarambu surrounded by Myristica swamps



Pond at Kalluvarambu with logs within

2. Eradication of exotic weeds

Eradication of exotic weeds was taken up at Kochupamedu in Kalluvarambu section in Shenduruney range. The major exotic weeds present in the area are *Clidemia hirta*, *Chromolaena odorata*, *Lantana camara* and *Mimosa diplotricha*. *Clidemia* was found to be the most prominent exotic weed followed by *Chromolaena*, *Lantana* and *Mimosa* respectively. Hence, regular weeding is required to arrest secondary invasion. Eradication of weeds was verified through records and vouchers.

Site	Size/density of weeds in the worked plot	Size/density of weeds in the unworked plot
Kochupamedu	860/ha	2080/ha



Weed assessment at Kochuparamedu

3. Improving connectivity

Location / Range / Division	GPS Location	Year of Activity	Dimensions (m)	Remarks
Vilakkumaram to Kochupara	N 08° 53' 5.1" E 77° 06' 23.2"	2017-18	3000 x 3	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.
Onnammile to Unakkathode	N 08°54'53.31" E 77° 06' 34.2"	2017-18	2000 x 2.5	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.
Thenginthope to Azhanthachal	N 08° 51'53.44" E 77° 10' 45.8"	2017-18	3000 x 2.5	Due to paucity of funds in 2014-2016, the work was carried out in 2017-2018.

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1	Maintenance of patrolling route / Shenduruney/ Kalluvarambu / Thiruvananthapuram	The route is maintained well.	The path is used regularly by the frontline staff.	7	High

2	Maintenance of patrolling route / Shenduruney/ Kalluvarambu / Thiruvananthapuram	Some trees have fallen in the trek path and there is minimal weed growth on either side.	The path is used regularly by the frontline staff.	5	Medium
3	Maintenance of patrolling route / Shenduruney/ Kalluvarambu / Thiruvananthapuram	The route is maintained well.	The path is used regularly by the frontline staff.	7	High

The activity carried out is a spillover from 2014-2016. The patrolling route is being regularly used by the frontline staff and maintained well. The activity was verified through inspecting bills books and vouchers and found correct. Construction of hanging bridges in both divisions could not be taken up.

Most activities were spill-over for earlier years. Overall, an amount of Rs. 32.54 lakhs was allotted to the circle during the period with 50 per cent financial achievement.

SOCIAL FORESTRY CENTRAL RANGE, ERANAKULAM (2016-18)

The APO for the period listed two activities, both of which were undertaken. They include plant diversity and Construction, cleaning, desiltation of pond. The activities envisaged during 2014-15 and 2016-17 were completed during this period. Seven wells and two ponds were cleaned. The water bodies at Malippuram kandal park were also cleaned. The records were verified and found correct. Production and distribution of medicinal seedlings (200 nos), mangroves (5000 nos) and generation of booklets on mangroves were taken up. The records were verified and found correct. The released amount (Rs. 11.55 lakhs) was fully utilised.

Office Note

From: and the CB-76/17-18 cost of Conducting one day Fire awareness Camp for the students of A.U.P school Mangattukara during 2017/18

Please see the CB-76/17-18 cost of Conducting one day Fire awareness Camp for the students of A.U.P school Mangattukara during 2017/18

Work commenced on: 12-01-18
Work Completed on: 12-1-2018
Work finalized: 12-1-2018
Inspected by: R/SJ
M.No: 16/2022/4/2018

Item No.	Particulars	Estimate provision			Claims already Paid			Claims to the bill		
		Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount
1	Cost of providing tea/snacks - lunch and 5 snacks after lunch	50	87	4350.00				50	87	4350.00
2	Preparation to approve papers	1	1000	1000.00				1	1000	1000.00
4	Cost of Stationary - book Apen	50	25	1250.00				50	25	1250.00
6	Engaging man/Master as guide to accompany participants during trekking and for clearing the path/road other work	1	200	200.00				1	200	200.00
7	Travel for VOA	15	15	225.00				15	15	225.00
12	Contingency	15	15	225.00				15	15	225.00
	Total			7000						7000.00

CB verified with Stationary estimate and found correct. Bill may be passed. For notes

Latitude: 10.529641
Longitude: 76.217381
Altitude: 78.5±1 m
Accuracy: 15.1 m
Time: 13-05-2022 10:44
Note: fire awareness tsr

16/2022
17/1/18

17/1/18

Powered by NixieCam

Fire Awareness camp at Mangattukara

Office Note

Please see the CD No 7017-18 cost of conducting one day Fire awareness Programme for the students of S.S.U.P School Thalikulam during 2017-18

Name of work: **Fire awareness Programme for the students of S.S.U.P School Thalikulam during 2017-18**

Estimate No: **CD No 7017-18**

Budget Head: **CD No 7017-18**

Contract Bill No: **10/2017-2018**

Name of Range: **SF, Thalikulam**

Name of contractor: **P. Sasi**

Work commenced on: **25-05-18**

Work completed on: **25-05-18**

Work inspected on: **25-05-18**

Inspected by: **SR, Thalikulam**

M. Book No: **10/2017-18/110**

Item No.	Particulars	Estimate provision			Claim already Paid			Claim in this Bill		
		Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount
1	Cost of providing tea biscuits (each tea & biscuits after lunch)	40	47	1880.00				40	47	1880.00
2	Transportation to respective schools	1	1000	1000.00				1	1000	1000.00
3	Cost of stationary items paper	40	30	1200.00				40	30	1200.00
4	Printing and stationery for public documents	1000	200	2000.00				1000	200	2000.00
5	Transportation to the schools	1.5	100	150.00				1.5	100	150.00
6	Contingencies	1.5	1.5	2.25						
Total				6082.00						6082.00

CD verified and approved and work is found correct. Bill may be paid. For value

Handwritten notes: 16/5/18, cheque No 146205/26-3-18

Latitude: 10.529656
Longitude: 76.217365
Elevation: 14.7941 m
Accuracy: 18.3 m
Time: 13-05-2022 10:46
Note: fire awareness tsr

Powered by NoteCam

Fire Awareness camp at Thalikulam

Office Note

Please see the CD No 7017-18 cost of conducting one day Fire awareness Programme for the students of S.S.U.P School Thalikulam during 2017-18

Name of work: **Fire awareness Programme for the students of S.S.U.P School Thalikulam during 2017-18**

Estimate No: **CD No 7017-18**

Budget Head: **CD No 7017-18**

Contract Bill No: **10/2017-2018**

Name of Range: **SF, Thalikulam**

Name of contractor: **P. Sasi**

Work commenced on: **25-05-18**

Work completed on: **25-05-18**

Work inspected on: **25-05-18**

Inspected by: **SR, Thalikulam**

M. Book No: **10/2017-18/110**

Item No.	Particulars	Estimate provision			Claim already Paid			Claim in this Bill		
		Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount
1	Cost of providing tea biscuits (each tea & biscuits after lunch)	40	47	1880.00				40	47	1880.00
2	Transportation to respective schools	1	1000	1000.00				1	1000	1000.00
3	Cost of stationary items paper	40	30	1200.00				40	30	1200.00
4	Printing and stationery for public documents	1000	200	2000.00				1000	200	2000.00
5	Transportation to the schools	1.5	100	150.00				1.5	100	150.00
6	Contingencies	1.5	1.5	2.25						
Total				6082.00						6082.00

CD verified and approved and work is found correct. Bill may be paid. For value

Handwritten notes: 16/5/18, cheque No 146205/26-3-18

Latitude: 10.529641
Longitude: 76.217386
Elevation: 14.7942 m
Accuracy: 20.0 m
Time: 13-05-2022 10:47
Note: fire awareness tsr

Powered by NoteCam

Fire Awareness camp at Chittanukkara

Office Note

Please see the CD No 10017-18 cost of conducting one day Fire Awareness Rally for the students of Kundukkad Higher Secondary School, Kundukkad during 2017-18

Name of work: **One day Fire Awareness Rally for the students of Kundukkad Higher Secondary School, Kundukkad**

Estimate No: **CD No 10017-18**

Budget Head: **CAMRA**

Contract Bill No: **10/2017-2018**

Name of Range: **SF, Kundukkad**

Name of contractor: **P. Sasi**

Work commenced on: **25-05-18**

Work completed on: **25-05-18**

Work inspected on: **25-05-18**

Inspected by: **SR, Kundukkad**

M. Book No: **10/2017-18/110**

Item No.	Particulars	Estimate provision			Claim already Paid			Claim in this Bill		
		Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount
1	Cost of banner	1	500	500.00				1	500	500.00
2	Cost of providing tea & biscuits (each tea & biscuits after lunch)	100	30	3000.00				100	30	3000.00
3	Transportation to respective schools	1	500	500.00				1	500	500.00
4	Cost of photographs etc	1.5	1.5	2.25				1.5	1.5	2.25
Total				4002.25						4002.25

CD verified and approved and work is found correct. Bill may be paid. For value

Handwritten notes: 25/5/18, cheque No 146205/26-3-18

Latitude: 10.52964
Longitude: 76.217388
Elevation: 14.7942 m
Accuracy: 20.5 m
Time: 13-05-2022 10:54
Note: fire awareness tsr

Powered by NoteCam

Fire Awareness Rally at Kundukkad

SOCIAL FORESTRY SOUTHERN RANGE, KOLLAM (2016-18)

Though no activities were listed under the APO, the Social Forestry wing Kollam carried out various extension and campaign activities during 2016-2018 in Kollam, Kottayam, Alappuzha, Thiruvananthapuram and Pathanamthitta divisions. The forestry personnel performed fire awareness programs at schools for students by distributing banners, posters, and notices, among other things.



Inspection of records by the monitoring team

The general public was also informed about the importance of safeguarding environment and damages caused by forest fire. The documents related to these activities including vouchers were verified by the evaluation team members. The records were verified and found correct. A financial achievement of 99.8 per cent was made against a release of Rs. 9.50 lakhs.

SOCIAL FORESTRY NORTHERN RANGE, KOHIKODE (2016-18)

No activity was carried out during the evaluation period.

4. RECOMMENDATIONS AND SUGGESTIONS

The proposed evaluation had multiple objectives. *Inter alia*, this evaluation examined the impact of various activities in terms of increase in vegetation spread, soil and water conservation measures, infrastructure development, capacity building and the extent to which the objectives of CAMPA were achieved. The qualitative data were used to support further analysis of variations across regions and categories. The following are the recommendations and suggestions arising out of this present monitoring and evaluation of CAMPA activities in Kerala

- (a) Soil & Water Conservation (SWC) Works: Most SWC works carried out in the forest areas are effective. The SMC activities, in most places, have increased the vegetation, indicating the moisture retention impacts. However, certain SWC structures are very crucial as they connect different ranges within a division. Such chappaths deserve special attention. Due to frequent flooding, heavy wear and tear is observed in most chappaths. The depth and width of rivers has increased in many sections. Such chappaths need to be replaced with concrete structures with the support of the PWD. Some of the water-holding structures are old, and not capable of holding water to the designed potential. Such structures may be abandoned.
- (b) Regional and State level workshop could be organized for prioritation of species for Afforestation/Enrichment planting in the forest areas by involving local communities, field staff of SFDs, Forestry Research institutions, NGOs and other stakeholders.
- (c) Technical support can be obtained from Forestry Research institutions for transferring/developing seed handling techniques and nursery technologies for indigenous species prioritized for Afforestation / Enrichment planting.
- (d) In remote locations and in locations with high damages to the planted seedlings by wild animals, manual seeding of indigenous species using “Seed Ball Technologies” could be attempted.
- (e) Maintenance costs should be linked to survival rates and strict guidelines should be framed regarding replanting in failed sites.
- (f) Protection measures were not effective in many places. It is essential to provide maintenance provisions for five years so that the purpose is well achieved.

- (g) Fodder Plantations should be prioritised in elephant corridors which would act as deterrents to their entry into human-habitation.
- (h) Protection of Forests and Wildlife: Anti-Poaching Camps (APC) have been established throughout the state in almost all divisions. The APCs are sufficiently equipped with staff and modern equipment for protection activities. There is a need to regularly support the staff with protective gears and field survival kits.
- (i) GIS-based forest survey monitoring has been attempted in the state. The staff report that this has helped prevent, contain and douse forest fires in many places. All staff have to be provided basic training in the use of advanced methods of monitoring for protection. The procedures of fire management / fire protection can be extended to the forest fringe area inhabitants in addition to school/ college students.
- (j) Provisions need to be made in the budget for procuring more field vehicles, as a dearth in availability of these was observed.
- (k) In almost all divisions, the maintenance of buildings, roads, SMCs are taken up regularly. A fixed cycle could be adopted for maintenance and repair of civil works, rather than taking a routine annual maintenance.
- (l) A decentralised allotment to the social forestry wings may be thought of, to meet the local needs for each division.
- (m) Incentives to temporary staff associated with the department's activities for more than ten years.
- (n) Digitisation of records would enable easy access to information.
- (o) Internal evaluation needs to be strengthened and a database must be established to monitor the changes. This would enable regular assessment of seasonal works like protection camps, fire protection works etc. Further, this report should also be made available during third party monitoring and evaluation.
- (p) Timely fund release is viewed to be more helpful for executing the plantation activities in the respective APO execution years.
- (q) Permanent structures created under CAMPA should be displayed/indicated through suitable markings to ensure proper visibility of CAMPA-funded activities.

ANNEXURES

Annexure I

Minutes of meeting
Third Party Evaluation of State CAMPA Activities in Kerala
23rd November 2021
Venue: VC Hall, IFGTB

Participants:

IFGTB	Kerala Forest Department
Dr. C. Kunhikannan, Director IFGTB	Shri. Rajeesh Ravindran IFS, CEO
Dr. R. Yasodha, Scientist G & GCR	CAMPA & APCCF
Dr. JP Jacob, Scientist G – <i>on leave</i>	Ms P. T. Sreelekha, ACF, SA&NO,
Shri. Rajesh Gopalan IFS - <i>online</i>	CAMPA
Dr. C. Buvaneshwaran, Scientist F	
Dr. Kannan CS Warriar, Scientist F	
Dr. A. Karthikeyan, Scientist F	
Dr. D.R.S. Sekar, Scientist F – <i>not attended</i>	
Dr. Rekha R Warriar, Scientist F	
Dr. S. Saravanan, Scientist F	
Dr. A. Rajasekaran, Scientist F	

An online meeting was held on 23rd November 2021 at 10.00 am to discuss the modalities of third party evaluation of CAMPA-related works undertaken in Kerala by Kerala Forest Department.

Under CAMPA, various activities have been taken up to accelerate preservation of natural forests, management of wildlife, infrastructure development in the sector and other allied works.

Shri Rajesh Ravindran, CEO-CAMPA listed the different circles where CAMPA activities have been taken up. He sought evaluation of different protection activities, labour deployed for watch and ward, fire protection, and site suitability, especially regarding

ecorestoration of monoculture plantations, the species planted and their performance, etc.

Dr. S. Saravanan, Scientist F, presented the need for third-party evaluation to assess the various activities taken under State CAMPA. He elaborated on the requirements of the National CAMPA Authority concerning the monitoring while carrying out the evaluation. He also detailed the methodology for the evaluation process and the extent of sampling for the different activities taken under CAMPA based on the guidelines provided by the IIFM, Bhopal with necessary modifications. He also informed that IFGTB has experience working towards the evaluation of NAP of the NAEB in Kerala and providing consultancies to various industries. A team has been formed for the execution of the work.

This was followed by a discussion on the modalities for execution of the evaluation. The following points emerged.

1. An MoU would be signed between the Kerala Forest Department and IFGTB towards the activity. IFGTB would complete the evaluation within a period of six months from the date of release of funds.
2. State CAMPA would provide information, plantation journals, maps, measurement books, and all relevant records pertaining to the CAMPA works from 2009 to the present. Co-ordination in the state, local travel, lodging, and field support of personnel would also be provided by the Department.
3. The Department looks forward to APO-wise reports. Thus, six reports are envisaged at the end of the evaluation.
4. The sampling intensity was agreed upon.
5. A proposal including financial requirements and draft MoU would be sent to the CEO-CAMPA for perusal.
6. The CEO-CAMPA would visit IFGTB during the last week of November, 2021 for a detailed discussion and finalising the proposal.

Annexure II

Timelines of the Evaluation

Milestone	Activity
September 2021	Identification of IFGTB for Third party Monitoring
November 2021	Finalisation of activities under the Third Party Monitoring
January 2022	Acceptance of Project proposal of IFGTB for Monitoring & Evaluation of CAMPA activities in Kerala . Approval of the MoU.
March 2022	Signing of the MoU and Release of the First Instalment
April to June 2022	Field works
July to September 2022	Report preparation
September 2022	Release of the Second Instalment
October 2022	Submission of Final Report

Annexure III

APO-wise components implemented in various Circles

Component	Circle
<i>Plant Diversity</i>	SF CR Eranakulam
<i>Central Nursery work</i>	Northern Circle, Kannur
<i>Preparatory work for setting up Permanent Nursery</i>	Northern Circle, Kannur
<i>Construction, cleaning, Desiltation of Pond</i>	ABP Circle
	High Range Circle, Kottayam
	SF CR Eranakulam
	Southern Circle, Kollam
<i>Eradication of Exotic weeds</i>	ABP Circle
	Central Circle, Thrissur
	FDPT Kottayam
	Northern Circle, Kannur
	Wildlife Circle Palakkad
<i>Fire Watch Stations</i>	High Range Circle, Kottayam
<i>Interior Camp Sheds</i>	Eastern Circle, Palakkad
	Wildlife Circle Palakkad
<i>Assistance to Tribal VSS</i>	ABP Circle
	Eastern Circle, Palakkad
	High Range Circle, Kottayam
	Northern Circle, Kannur
	Southern Circle, Kollam
	Wildlife Circle Palakkad
<i>River Bank Stabilization/Protection</i>	ABP Circle
	Northern Circle, Kannur
	Southern Circle, Kollam
<i>Soil and moisture conservation / Gully Plugging</i>	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle, Kannur
	Southern Circle, Kollam
	Wildlife Circle Palakkad
<i>Improving Connectivity</i>	ABP Circle
	FDPT Kottayam
	High Range Circle, Kottayam
	Northern Circle, Kannur
	Southern Circle, Kollam
	Wildlife Circle Palakkad

Annexure IV

Monitoring and evaluation teams

Teams	1	2	3	4	5
Region	Southern Circle, Kollam (1)	Southern Circle, Kollam (2)	High Range Circle, Kottayam (1)	High Range Circle, Kottayam (2)	FD PT, Kottayam (1)
Team Co-ordinators (Dr/Mr/Ms)	C. Buvaneswaran	Rekha R Warriar	Kannan CS Warriar	K. Murali Shankar	S. Saravanan
Team Leaders (Dr/Mr/Ms)	A. Balasubramanian	R. Sumathi	K. Gireesan	A. Mayavel	S.P. Subramani
Member	N. Sivadasan	L.Vivek	K. Sureshkumar	J. Soosairaj	K. Senthil
Member	V. Mareeswaran	S. Sudha	K. Gopalakrishnan	P. Vignesh	M. Suryaprakash
Member	S.S. Abijith	R.G. Anitha	T. Pradeep	K.R. Shankar	R.Ariharasuthan
Member			C. Muthumanikam	M. Vishnu	M. Mahalingam
Team Co-ordinator (KFD)	Fen Antony, ACF	Fen Antony, ACF	KS Subash, ACF	Subash, ACF	Sandeep.S, ACF

Teams	6	7	8	9	10
Region	FD PT, Kottayam (2)	ABP	Social Forestry, Southern Region, Kollam	Central Circle, Thrissur	Social Forestry, Central Region, Thrissur
Team Co-ordinators (Dr/Mr/Ms)	N.V. Mathish	A. Rajasekaran	A.C. Surya Prabha	D. Raja Suguna Sekar	J. Sriram
Team Leaders (Dr/Mr/Ms)	S.P. Subramani	Muhammad Ali Noushad	P. Chandrasekar	B. Deeparaj	A. Mayavel
Member	K. Senthil	P. Manoharan	J. Soosairaj	P. Malliga	R. Abinaya
Member	M. Suryaprakash	L. Mahalingam	P. Vignesh	S. Pragadeesh	C.V. Vijayam
Member	R.Ariharasuthan	S. Selvakumar	K.R. Shankar	R. Kalaiselvi	R. Sathishkumar
Member	M. Mahalingam	N. Vijayanand	M. Vishnu	C. Thamotharan	Rudranath, V.R.
Team Co-ordinator (KFD)	Sandeep.S, ACF	Ajith.N , ACF	Rohini. GR, ACF	V.P. Jayaprakash, ACF	Chinnu Janardhanan, ACF

Teams	11	12	13	14	15
Region	Social Forestry, Northern Region, Kannur	Northern Circle, Kannur	Eastern Circle, Palakkad	Wildlife, Palakkad	Research Division N and S, & Headquarters
Team Co-ordinators (Dr/Mr/Ms)	Madhavraj G. R	A. Karthikeyan	Rekha R Warriar	Rekha R Warriar	JP Jacob
Team Leaders (Dr/Mr/Ms)	K.N. Ashirth	R. Archana	S.Lalitha	A. Shanthi	K. Shanthi & Muhammad Ali Noushad
Member	Srijita Ganguly	C. Rajesh	M. Ganesan	R. Velumani	M.V.Vineetha
Member	M. Jeyakumar	S.M. Paulraj	N. Sudha	A. Sathish	P. Vipin
Member	V. Abirami	Remya T Radhan	Mishra Avinash	K. Rajasekaran	C. Kandasamy
Member	C.K. Suresh	M. Manikandan	S. Ajay		T. Govindaraj
Team Co-ordinator (KFD)	Sunil Kumar. K, ACF	Ajith K Raman, ACF	K. Manoj, ACF	Sanall.P., ACF	Adersh.M, ACF

Report Preparation

Dr C. Kunhikannan, Director
 Dr R. Yasodha, Scientist G & GCR
 Dr Rekha R Warriar, Scientist F

Editorial Assistance

Mrs R. Sumathi, Chief Technical Officer

Annexure XI

Third Party Monitoring and Evaluation of CAMPA Plantations and Other Activities

**for the period
2018-2019**

**Submitted to
Kerala Forests & Wildlife Department (CAMPA)**

**by
Institute of Forest Genetics and Tree Breeding
(Indian Council of Forestry Research and Education)
Coimbatore – 641002**



October 2022

Preface

The State of Kerala established the Compensatory Afforestation Management and Planning Authority (CAMPA) Scheme in 2009 to encourage afforestation, reforestation, and restoration/regeneration activities to compensate for forest land diverted for non-forest purposes and to enhance the state's forest cover. The Kerala Forests & Wildlife Department prepared the Annual Plan of Operations (APO) for 2018-2019, which the MoEF & CC, GoI approved. As per the APOs, the state planned various activities, including compensatory afforestation, soil and moisture conservation, biodiversity conservation, awareness campaigns on forests, wildlife and the environment, eradication of invasive alien weeds, river bank stabilisation, protection of research plots and seed production areas, creation of fire breaks and other essential maintenance activities towards forest conservation. All these activities were spread across the forest divisions of the state, including wildlife sanctuaries. The success and sustainability of these CAMPA activities, including structures established and plantations raised in terms of planning, implementation, the quantity of inputs, condition of health and survival, and outcomes, need to be evaluated and documented for monitoring purposes by an independent agency. Accordingly, IFGTB-ICFRE, Coimbatore, was awarded the monitoring and evaluation of CAMPA activities undertaken. A team of IFGTB staff, including forest officers, scientists and technical personnel, have been involved in the work since March 2022. The sampling methodology approved by MoEF & CC was broadly followed, and a detailed survey, monitoring and evaluation exercises were conducted to represent all the forest circles and plantation models adopted in a given year. In total, 155 activities were monitored and evaluated. Overall the CAMPA activities supported the forests and contributed to enhancing forest health in Kerala. I would like to acknowledge the Kerala Forests & Wildlife Department for their support and assistance in bringing out this document in a comprehensive manner.

Dr C. Kunhikannan
Director

Acknowledgements

We acknowledge the Kerala Forests & Wildlife Department for identifying IFGTB-ICFRE, Coimbatore, to evaluate the CAMPA activities carried out from 2018 - 19. We sincerely thank the PCCF & Head of Forest Force for facilitating this special assignment. We would like to express our gratitude to Shri. Rajesh Ravindran IFS, APCCF & Chief Executive Officer, CAMPA, Kerala, who facilitated the evaluation work and extended valuable guidance in finalizing the formats for evaluation of different CAMPA activities in the state. We would like to express our sincere thanks to all the Divisional Forest Officers, Range Forest Officers, Frontline Field Staff and VSS members for their assistance in providing the assessment teams with the essential logistics and information during the on-site evaluation.

TEAM, IFGTB

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FACT SHEET

S. No.	Item	Details
1.	Scope of evaluation	Third-party monitoring and evaluation of the CAMPA Activities of Kerala Forests and Wildlife Department (2018-19)
2.	Period of evaluation work	Signing of MoU - March 2022 Field works - April to June 2022 Report preparation - July to September 2022
3.	Focus	Quality of conservation and development works. Assessment of compensatory afforestation activities. Public awareness campaigns.
4.	Number of Evaluation teams	15 Evaluation Teams and one editorial team.
5.	Objective	<ul style="list-style-type: none"> • To evaluate different plantations established under CAMPA in different forest divisions of Kerala. • To evaluate the civil structures (buildings and soil & water conservation structures) established under CAMPA in different forest divisions of Kerala. • To suggest for improvement in quality of plantations for future.
6.	Area covered	25 territorial forest divisions. 14 social forestry divisions. 11 wildlife divisions.
7.	Sample size	<p>Plantation: 20% plantation randomly selected from various divisions. Sampling intensity for evaluation is nearly 10% for block plantations. For every hectare of plantation, the evaluation to be done on a 30 x 30 m plot. In the case of a linear plantation, evaluation of every 10th tree/planted sapling of each row for 25% of its length per running km basis.</p> <p>Soil and Moisture Conservation (SMC) activities: 20% of SMC works evaluated in each division based on random selection from measurement book (Mbook).</p> <p>Eradication of weeds: Density assessment and plot transects.</p> <p>Forest protection: 10% of all fire lines evaluated in each division.</p>

8.	Findings	<ul style="list-style-type: none"> • The average survival rate in ecorestoration activities is 70%. Compensatory afforestation was observed in one circle only. • The quality of other departmental works was mostly high (85%) • Check-dams and gullies are the major SMC works taken up. • Eradication of weeds was taken up effectively with ~60 per cent success. • Priority was accorded to biodiversity conservation. • The involvement of the VSS in various department activities has ensured a participatory approach to the protection and conservation of forests. • Most activities related to assistance to tribal VSS, as this period witnessed heavy and unprecedented floods.
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Executive Summary

The Forest (Conservation) Act (1980) was enforced to conserve and protect forest resources. The Act mandated that whenever forest land is diverted for non-forestry purposes usually the conditions relating to transfer, mutation and declaration as Reserve Forest/Protected Forest, the equivalent non-forest land for compensatory afforestation and funds for raising compensatory afforestation etc. are to be imposed. Additional conditions such as maintaining a safety zone area, fencing and regeneration etc. are prescribed for mining purposes, and catchment area treatment plans are stipulated for big and medium irrigation projects. Further, the Act provided that the non-forest land for Compensatory Afforestation (CA) was to be identified contiguous to or close to Reserved Forest or Protected Forest. The funds for CA are received from the user agencies based on the rates fixed by the State Forest Department, which are site-specific and vary according to the species, type of forest and site. The fund received for compensatory afforestation, additional compensatory afforestation etc. has to be used as per site-specific schemes submitted by the state along with the approved proposals for diversion of forest land. After receipt of the fund, State Forest Department has to accomplish the afforestation for which money is deposited in the CA Fund within a period of one year or two growing seasons.

The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Kerala has been constituted with the objective of conservation, protection, regeneration and management of existing natural forests, wildlife and their habitat and raising site specific compensatory afforestation, penal compensatory afforestation etc. As per the provisions of CAMPA guidelines, the state CAMPA has been formulating Annual Plans of Operation (APO) since 2009-10. The APO for the period 2018-19 was approved vide No. 15-2(18)/2018-CAMPA dated 31.08.2018.

The Government of India released Rs. **7,93,49,000** for the period 2018 to 2019 to Kerala to implement CAMPA Activities.

The Assignment

As a range of activities were taken up under CAMPA, a technical evaluation of the activities by a third party was considered essential. IFGTB-ICFRE was identified to carry out third-party monitoring of all the CAMPA interventions since 2009-10 (File No. FC5-1433/2021 dated 28.01.2022). The broad scope of evaluation comprised all the components and sub-components of CAMPA implementation in Kerala.

Study Area

The evaluation study covered 50 forest divisions of Kerala (25 Territorial, 14 Social Forestry and 11 Wildlife Divisions) under 11 forest circles. In addition, Research Divisions where CAMPA funds were utilised are also covered in the study.

Study Approach and Methodology

Various CAMPA interventions were evaluated using appropriate sampling criteria, data collection approaches and, in view of diversity, nature of component and stakeholders involved. The study approach and methodology have been adopted from the evaluation formats of the MoEF & CC, GoI.

Details of Data Collection

- **Primary Data:** First-hand information was obtained using separately designed formats for different components and subcomponents.
- **Secondary Data:** Secondary data relating to various activities undertaken in CAMPA were collected from the circle, division and range offices in pre-designed formats and checklists.
- **Focussed Group Discussion:** FGDs with the members of the VSS were conducted to evaluate peoples' perceptions and participation levels in implementing CAMPA activities in a given locality.
- **Consultation with Forest Officials:** Consultations were undertaken with a range of forest officers involved at various stages- planning and decision making, implementation, monitoring and evaluation. This

included Divisional Forest Officers (DFOs), Forest Range Officers (FROs), Forest Beat Officers (FBOs), Foresters, Forest Guards, etc.

- **Field Observation:** Data on survival, field measurements to assess growth in different plantations, condition of physical structures in SMC activities and weed density in plantation sites were collected. Notes were prepared on various activities under CAMPA implementation, which provided the basis for the entire evaluation process.

Performance of CAMPA during 2018–19

- The total funds received from the Adhoc CAMPA up to APO year 2018-19 stands at Rs. 7.94 crores and the expenditure ending March 2019 was 5.09 crores which is 70.77 % of the funds received.
- The core activities undertaken with the CAMPA funds comprise creation of SMC structures, forest protection and assistance to tribal VSS.
- The non-core activities comprised biodiversity conservation, infrastructure development, forest IT, monitoring, evaluation and accounting.
- Major components addressed were forest and wildlife protection, and Forest fire management (71%). This period focussed more on activities such as improving connectivity and fire protection (32%), followed by soil and moisture conservation activities and assistance to tribal VSS. The VSS members were engaged in almost all the activities.
- Various SMC structures in CAMPA APOs included check dams, contour trenches, gully plugging etc. SMC structures undertaken by frontline forest officers under CAMPA are site-specific as per the site requirement.
- Preparatory works for ecorestoration were taken up. Most activities were done departmentally, an economical and time-saving approach.
- River stabilisation was taken up by five divisions, an improvement over the earlier APOs.
- Conservation of fauna was also prioritised in this period, with the social forestry wings focussing on bird and sea turtle conservation.
- Under infrastructure development, efforts were taken to repair / improve dilapidated structures. The major construction activities

undertaken with the help of CAMPA funds were antipoaching campsheds.

- Inclusion of VSS members in patrolling, fire break creation, developing infrastructure in interior forest areas, has encouraged their active participation in conservation activities.
- During this period, permanent nurseries were set up in different districts to support various department plantings and public needs.
- Training and capacity development programmes focussed on imparting training sessions and awareness among general public.

Recommendations & Suggestions

1. There should be provision in CAMPA APOs for the periodic maintenance of SMC structures as most SMC structures are subject to heavy wear and tear due to recurrent floods.
2. De-centralized local nurseries for production of forest type specific planting stocks may be promoted.
3. Maintenance and watch and ward may be continued for 4 to 5 years for better establishment.
4. Buildings / structures constructed during this period needs to be repaired and maintained. In some cases, renovation / refurbishing may also be done based on a fixed schedule.
5. Species should be selected on the basis of floristic composition of the forest types and prevailing local soil condition of the afforestation / plantation site.
6. Number of watchers should be increased proportionate to the size of the plantation site.
7. Record keeping needs to be ensured in some circles.
8. The frontline staff may be trained on seed handling and nursery technologies of native tree species.

Monitoring and Evaluation of CAMPA Plantations and Other Activities (2018–2019)

1. Introduction

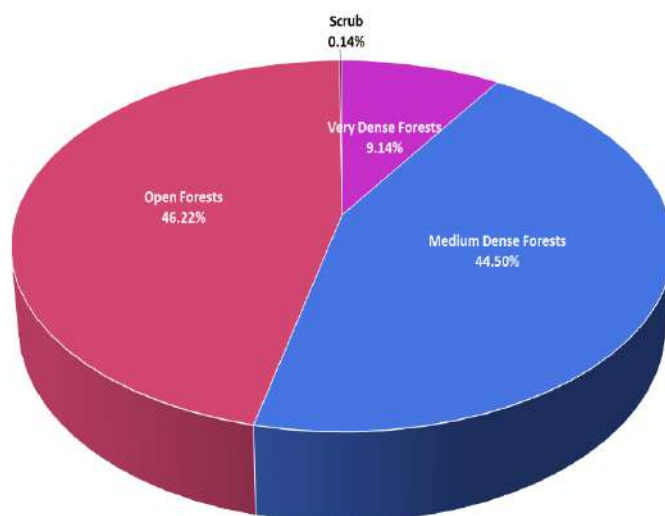
1.1 Background

Forests in India comprise diverse forest types and reserved areas accounting for about 24.62 % of the country's geographical area. Forest provides livelihood support to the people living in and adjoining forests. Forests are the most significant natural carbon sinks and regulate water regimes. Given that the forest sector provides goods and services to humankind, forest land is diverted for developmental activities for non-forestry purposes, consequently leading to considerable shrinkage of forest cover.

Kerala is endowed with rich natural resources. The conducive tropical climate favours forests with rich biodiversity and endemism. The Western Ghats, one of the Biodiversity hotspots, runs all along the eastern boundary of Kerala. Unfortunately, the increasing population and changing lifestyles exert tremendous pressure on forests. The greatest challenge today is to accommodate developmental needs by minimizing the destruction of its pristine forests.

1.2 Forest Cover in Kerala

The forest cover in the state based on the interpretation of the Forest Survey of India (FSI) 2021 is 21,253.49 sq km which is 54.7 % of the state's geographical area.



Source: ISFR, 2021

Forest Cover in the State has increased by 109 sq km compared to the previous assessment reported in ISFR 2019. Among forest canopy density classes, the state has 1944.32 sq km area under very dense forest, 9472 sq km area under moderately dense forest and 9837.17 sq km area under open forest.

1.3 Forest Cover in Kerala From 2015 To 2019

Forest cover in the state has been increasing over the years. Forest conservation and afforestation activities are the key reasons for the improvement.

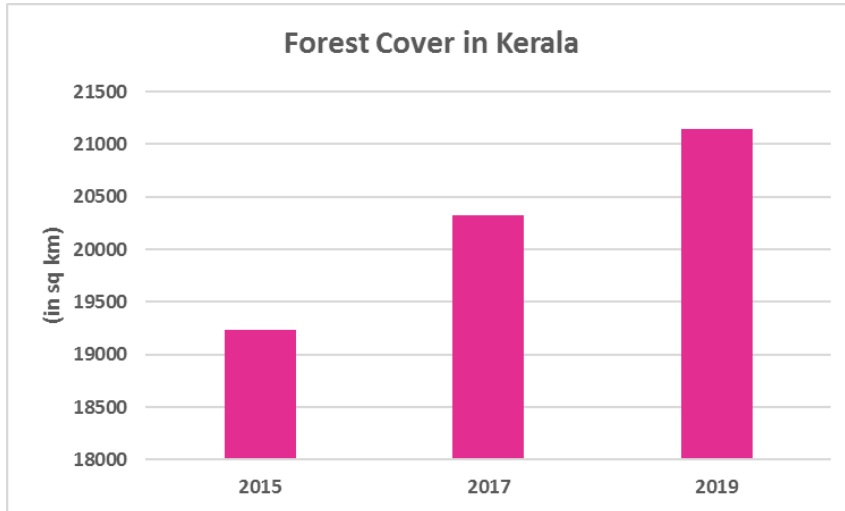
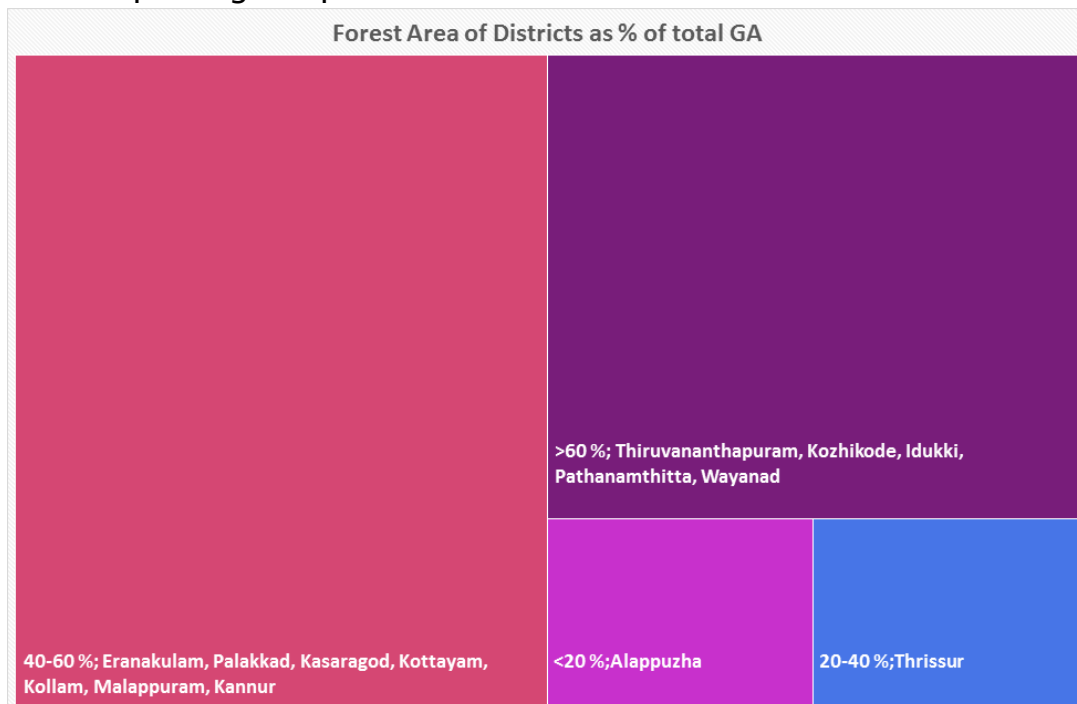


Figure 1.1 Forest Cover in Kerala From 2015 To 2019

1.4 District-wise Forest Coverage in Kerala

The tree map at Fig 1.2 provides the distribution across districts.



Comparing district-wise area cover in Kerala, Idukki has the largest forest cover (3155 sq km) in the state, followed by Palakkad (2104 sq km), Malappuram (1984 sq km), Pathanamthitta (1949 sq km) and Kannur (1669 sq km). In terms of percentage of forest cover concerning the total geographical area, Wayanad with 74.2 % has the highest forest cover, followed by Pathanamthitta (73.49%), Idukki (72.44%), Kozhikode (61.74%) and Thiruvananthapuram (60.17%). Data reveals an increase in forest cover by 109 sq km in 2021 compared to 2019 (Kerala ENVIS, 2022).

Nearly 60 lakh ha of forest is degraded with less than 40% canopy density. This is the target area for the afforestation programmes. Forest plantations extend over 1.56 lakh ha, teak being the major species, covering almost 50 % of the total plantation area, followed by mixed plantations and Eucalyptus. The natural forests, plantations and homestead gardens contribute to the state's green cover, and all these are required in forest management.

2. Project profile

Compensatory Afforestation Programmes in the state were initiated in 1993, and plantations were maintained until 2002-03. The Government of India notified The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in April, 2004. The State CAMPA receives funds collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation) Act, 1980. Kerala State CAMPA was constituted in November 2009.

Kerala Forests & Wildlife Department (KFD) has been receiving funds since 2009 from CAMPA, MoEF & CC, GoI for various developmental activities such as afforestation programs, soil and moisture conservation works, capacity building for staff and local communities, the establishment of civil structures, etc. in various forest divisions of Kerala. The funds are spent for compensatory afforestation, biodiversity conservation, soil and moisture conservation, etc. The Chief Executive Officer, CAMPA, Kerala, is responsible for preparing the schemes, Annual Plan of Operations (APO) for CAMPA, and getting it approved by the Executive Committee, Steering Committee and the Government of India, followed by implementation of the approved APO. After receiving the fund allotment under State CAMPA, the implementing officers, the District Forest Officers (DFOs) execute the assigned activities as per the APO. Under each major heads, there are different subheads available, which vary according to site conditions and needs.

The total outlay of the CAMPA activities from 2018 to 2019 is Rs. 7.94 crores. The details of the Divisions, and the number of activities against different years are in Annexure-III.

3. Methodology:

Physical Verification of Activities

I. Plantation – *Methodology:*

- 10% plantation randomly selected from various divisions.
- Sampling intensity for evaluation - 10% for block plantations.
- For every hectare of the plantation, the evaluation was done on a 30 x 30 m plot.
- Each plot was marked on a map of the plantation area, and GPS co-ordinates of all such (30 x 30 m) plots were collected.
- In case of linear plantation, every 10th tree/planted sapling of each row was evaluated for 25% of its length per running km basis (5 intermittent line transects – each for 5% of length per running km) .
- The evaluation was done on 0.1 ha by laying a 30 x 30 m plot based on random sampling.

II. Soil and water conservation measures:

- (a) The teams obtained the norms and expenditure of SMC activities taken up in the plantation site from the respective offices.
- (b) The teams assessed the quantity/ present condition/ treatment plans of the different SMC works. 20% sampling was carried out.
- (c) For civil works, 50% M&E was carried out, based on random selection from Measurement Books from various divisions.

III. Eradication of weeds

Density assessment – plot counts

- Three or more plots (quadrats) of size 10 x 10m (located randomly over the site) were marked, and the number of plants within the plots was counted.
- To get the actual number per hectare, multiplied the average number of plants in the plots by 100.

Plot transects

- Marked out 100m transects, keeping them parallel to one another (10m-50m apart). Using a 2 x 2m plot frame (using a rope) plots were placed at intervals along the transect.
- The number of plants within the plot was counted. The values were converted to density measure by averaging the number of plants in each of the plots (i.e. individuals per hectare)

IV. Forest protection

- 10% of all firelines were evaluated in each division based on random selection from Measurement Books from various divisions.

V. Qualitative Aspects

Focused group discussion (FGD): FGD was conducted for 10% of the villages in which CAMPA works were undertaken with at least 15 villagers in a commonplace within the village. The group comprised office bearers of JFMC, BPL households, and village residents.

Ranking of individual projects

The criterion below was used to evaluate the project needs since the site parameters, species and inputs provided vary from site to site.

Site suitability	High	Medium	Low
Suitable area with favourable site condition rainfall, soil, etc.	7 to 10	>3 to <7	≤3
Medium quality forest sites	>5	2-5	≤2
Poor forest sites	> 4	2-4	≤2

Criteria for classifying a site into suitable site, medium site and poor site

- Suitable site: soil depth more than 61 cm, rainfall range between 1270 to 3810 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Medium site: Soil depth ranges between 30.4 cm to 61 cm, rainfall ranges between 889 to 1270 mm, average prevalence of adverse biotic factors, gentle to moderate slopes.
- Poor site: Soil depth less than 30.4 cm, rainfall less than 889 mm and excessive prevalence of mist and fog during monsoon, prevalence of adverse biotic factors and steep slopes.

This approach involved aggregating the percentage of readings falling into the three higher ratings (3-5) under the 'satisfactory' heading and the two lower ratings (1-2) under 'unsatisfactory'. The introduction of these two broad categories allowed better tracking of performance trends. The ranking table is provided below

Score	Assessment	Category
5	Highly satisfactory	Satisfactory
4	Satisfactory	
3	Moderately satisfactory	
2	Unsatisfactory	Unsatisfactory
1	Highly Unsatisfactory	

Physical verification

Each of the selected plots was visited by the monitoring team and the following details were documented in the field.

- Plot location with GPS co-ordinates and area
- Plantation type and design (wherever available)
- Year of establishment
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection measures and maintenance
- Anthropogenic pressure, etc.

Parameters considered during M&E

- **For plantations**
 - a. **Qualitative** – site suitability (both climatic and edaphic factors), condition of the plantation, choice of species, etc.
 - b. **Quantitative** - Total seedling/tree height, collar girth/GBH, survival percentage, etc.
 - c. **Other parameters** – Management practices, biotic and abiotic factors, etc.
- **For civil constructions**
 - a. Verification (sketch and dimensions) based on the original documents and 'M-book'.

Deliverables and time schedule

Work plan submission	One week after signing the agreement
Field Data Collection	Two - three months
Draft report submission	One month after Field Data Collection
Final report submission	Two months after Draft report submission
Total Duration	6 Months

4. Evaluation Details of the Circles and Divisions

The details of various circles and divisions evaluated are presented below.

	Circles	Divisions
Territorial Circles and Divisions	Northern Circle, Kannur	Kannur, North Wayanad, South Wayanad and Kozhikode Forest Divisions
	Eastern Circle, Palakkad.	Nilambur North, Nilambur South, Mannarkkad, Palakkad and Nemmara Forest Divisions
	Central Circle, Thrissur.	Thrissur, Chalakkudy, Vazhachal and Malayattoor Forest Divisions
	High Range Circle, Kottayam.	Kothamangalam, Mankulam, Munnar, Marayoor and Kottayam Forest Divisions
	Southern Circle, Kollam	Ranni, Konni, Punalur, Thenmala, Achenkovil and Thiruvananthapuram Forest Divisions
Wildlife Circles and Divisions	Wildlife, Palakkad.	Aralam, Wayanad, Parambikulam, Peechi and Silent Valley National Park Wildlife Divisions.
	Field Director Project Tiger, Kottayam.	Munnar, Idukki, Periyar Tiger Reserve East & Periyar Tiger West Wildlife Divisions.
	Agasthyavanam Biological Park , Thiruvananthapuram.	Shendurney and Thiruvananthapuram Wildlife Divisions.
Social Forestry Circles and Divisions.	Social Forestry, Kozhikode	Kasargodee, Kannur, Wayanad, Kozhikode and Malappuram Social Forestry Divisions.
	Social Forestry, Ernakulam	Palakkad, Thrissur, Ernakulam and Idukki Social Forestry Divisions.
	Social Forestry, Kollam	Alappuzha, Kottayam, Pathanamthitta, Kollam and Thiruvananthapuram Social Forestry Divisions.
Research Circles & Research Divisions	Working Plan & Research	Kozhikode, Palakkad, Munnar, Punalur and Kollam Working Plan Divisions as well as Research Division, Thrissur Research Division

Northern Circle, Kannur (2018-19)

The evaluation covered four forest divisions of the circle. They include

1. Kannur
2. Kozhikode
3. North Wayanad
4. South Wayanad

Six different activities were envisaged in the circle under four components. The distribution of activities is as follows:

Component	Particulars of work	Divisions
Forest and Wildlife Protection	Digging water holes/Ponds	South Wayanad
	River Bank Stabilization	Kasargodee
	Soil and moisture conservation / Gully Plugging	South Wayanad, Kozhikode
Forest Fire Management	Engaging Fire Gang	South Wayanad, Kozhikode, Kasargode
Infrastructure Development	Providing basic infrastructure to tribal settlement	South Wayanad
Capacity Building	Conducting Nature Camps	North Wayanad

All the activities mentioned in the APO were carried out in the Circle. In addition, spillover activities of the APOs 2014-15 and 2015-16 were also undertaken. These activities were also evaluated.

I. Forest and Wildlife Protection

a. Digging water holes/Ponds

Location / Range / Division	GPS Location	Dimensions (m ³)	Observations of the Evaluation Team
Pulppally/ Srambi / Chedleth / South Wayanad	N11°32'22.8" E76°00'98.2"	561.69	Good
Pulppally/Polanna /Chedleth / South Wayanad	N11°41'17.5" E76°56'30.7"	558.94	Good

Observations of the Evaluation Team:

Type of Assets / Division / Range /Place	Type of current use/ Observations	Impact	Score (Low, ≤3, Medium >3 to<7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low

Pond/Pulppally/ Srambi/ Chedleth /South Wayanad	The Water retention is medium.	The ponds deliver 70 % of the envisaged impacts and needs desiltation.	7	Medium
Pond/Pulppally/ Polanna/Chedlet h / South Wayanad	The Water retention is medium.	The ponds deliver 70 % of the envisaged impacts and needs desiltation.	7	Medium



Water pond at Pulpally

The activity carried out during 2018-2019 was physically verified, records perused and found correct. Ponds were able to deliver only 70 % of the envisaged impacts. The structure needs periodical desiltation.

b. River Bank Stabilization

Location / Range / Division	GPS Location	Dimensions (m)	Observations of the Evaluation Team
Balavanthadukka/Kasargodee/ Kasargodee	N12°53'53.5" E75°18'80.56"	15 x 0.5 x 2	Verified.

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range / Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	River Bank Stabilization / Balavanthadukka Kasargodee/ Kasargodee	Vegetation has established well which protects soil erosion and road damage.	Good	9	High

The activity was physically assessed, the records were verified and found correct.

c. Soil and moisture conservation / Gully Plugging

Sites	Location / Range / Division	GPS Location	Dimensions (m ²)	Observations of the Evaluation Team
1.	Nalukettumchola /Meppady/ South Wayanad	N:11°35'21.56" E:76°06'17.31" Altitude:725	87.536	Good condition
2.	Vannathimala/Kalpetta/ South Wayanad	N 11°37'11.4" E 75°59'53.4"	87.682	Good condition
3.	Poozhithodu/ Peruvannamuzhy/ Kozhikode	N11°50'27.5" E75°59'01.3"	85.654	Good condition
4.	Kurumurukandy and Payona /Puthuppadi/ Thamarassery/ Kozhikode	N11°84'26.05" E75°65'57.95" Alt:167 msl	92.324	Good condition
5.	Kolamala and Mele Kolamala/ Puthuppadi/ Thamarassery/ Kozhikode	N11°45'45.1" E75°52'66.1"	89.256	Good condition

Observations of the Evaluation Team:

Type of Assets / Division / Range / Place	Type of current use/Observations	Impact	Score (Low, ≤ 3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
Nalukettumchola/Mepady/South Wayanad	The gullies were constructed in 2018-19 has good soil retention.	The gullies have helped retain moisture in the adjoining areas, improving the vegetation.	7	Good
Vannathimala/Kalpetta/ South Wayanad			8	Good
Poozhithodu/Peruvanamuzhy/Kozhikode			8	Good
Kurumurukandy and Payona/ Puthuppadi/ Thamarassery/ Kozhikode			7	Good
Kolamala and Mele/ Kolamala/Puthuppadi Thamarassery/ Kozhikode			8	Good



Gully plug dimension assessment

Under the activity soil and water conservation, gully plugging was carried out in 2018-2019. The gullies were evaluated for physical existence and quality. The specifications of the gullies were checked by verifying the vouchers and estimates.

II. Forest Fire Management

- a. Engaging Fire Gang: Under the component Forest Fire management fire gang, fire watchers, fire protection mazdoors were engaged for fire protection activity.

Location / Range / Division	Activity
Peedikapullu /Kalpetta/ South Wayanad	Fire Gang
Attipara/ Kalpetta/ South Wayanad	Fire Gang
Head Quarteres level/Meppady / South Wayanad	Fire Gang
Chembra / Vythiry/Meppady/ South Wayanad	Fire Gang
Manikunnu & Thrikkaipetta/ Vythiry/Meppady/ South Wayanad	Fire Gang
Veetikunnu / Vythiry/ Meppady/ South Wayanad	Fire Gang
Puthuppady/ Thamarassery/Kozhikode	Fire protection Mazdoor
Edathara/Thamarassery/ Kozhikode	Fire protection Mazdoor
Kadothikunnu/ Nairkolly/ Thamarassery/ Kozhikode	Fire protection Mazdoor
Kanalad/ Thamarassery/ Kozhikode	Fire protection Mazdoor
Thamburankolli/Nairkolly/ Thamarassery/ Kozhikode	Fire protection Mazdoor
Peedikappara/ Thamarassery/ Kozhikode	Fire protection Mazdoor
Panathady/Kanhangad/Kasargode	Fire gang
Bheemanady/Kanhangad/Kasargode	Fire gang
Kidoor/ Anangaur/Kasaragod/Kasargode	Fire watcher
Bandaduka/Kasaragod/Kasargode	Firegang
Bovikanam/Kasaragod/Kasargode	Firegang
Panathur /Panathady /Kanhangad/Kasargode	Fire gang
Panathur /Panathady / Kanhangad/Kasargode	Fire gang

The activity was verified through inspecting bills books and vouchers and found correct.

III. Infrastructure Development

- a. Providing basic infrastructure to tribal settlement - Under this CAMPA activity small street lights and furniture were provided to the tribal settlements in different places in Chedleth range under South Wayanad.

Sl.No	Location /Range/ Division	Activity
1.	Appadu Community Hall/ Chedleth / South Wayanad	Providing furniture
2.	Athikkadavu Community Hall/ Chedleth / South Wayanad	Providing furniture
3.	Chettimattam Paniya Colony/ Irulam / Chedleth / South Wayanad	Providing Small Street light
4.	Chettipambra Anganvady/Chedleth / South Wayanad	Providing furniture
5.	Kakkodan block Paniya Colony/Pulpally / Chedleth / South Wayanad	Providing Small Street light
6.	Kolarattukunnu Anganvady /Chedleth / South Wayanad	Providing furniture
7.	Madaparambu Anganvady /Chedleth / South Wayanad	Providing furniture
8.	Manikode Urali Colony / Pulpally / Chedleth / South Wayanad	Providing Small Street light
9.	Manthadam Paniya Colony/ Pulpally /Chedleth / South Wayanad	Providing small Street light
10.	Olimidavu Naikka Colony/ Pulpally /Chedleth/ South Wayanad	Providing Small Street light
11.	Vattappady Community Hall/ Chedleth / South Wayanad	Providing furniture
12.	Velamkode Anganvady /Chedleth/ South Wayanad	Providing furniture
13.	Vettathoor Anganvady/ Chedleth/South Wayanad	Providing furniture



The activities were verified through inspection of vouchers by the monitoring team and found correct.



Tribal girl provided study table



Study table provided under CAMPA

				
Provision of street lights		Interaction with the tribal VSS		

IV. Capacity Building

a. Conducting Nature Camps

Location / Range / Division	Activity
North Wayanad	Conducting training programme to protective staffs
North Wayanad	Conducting nature camps for staffs

Under the component capacity building conducted training programme and nature camps for protecting staffs. The activity was verified from vouchers and found correct.

The following eight activities of earlier APOs (2014-16) were undertaken

A. CA plantation Maintenance

Sl.No	Location / Range / Division	GPS Location	Activity	Year of Activity	Dimensions (ha)
1	Tharippa CA Plantation/ Kuttiyady / Kozhikode	N11°41'11.5" E75°51'14.8"	Engaging Fire mazdoors for fire protection work in CA plantation	2018-19	5.816
2	Meenpatti CA Plantation/ Kuttiyady / Kozhikode	N11°41'13.7" E75°51'17.8"	Engaging Fire mazdoors for fire protection work in CA plantation	2018-19	0.911

As a part of CA plantation maintenance, fire mazdoors were engaged for fire protection work in compensatory afforestation plantation raised in Tharippa and Meenpatti in Luttiyady range, Kozhikode. The activity was verified through inspecting vouchers by the inspecting team and found correct.

B. Soil and moisture conservation / Gully Plugging

Location / Range / Division	GPSLocation	Year of Construction	Dimensions (m)
Kollymala/Vythiri/Meppady /South Wayanad	N11°50'35.8" E76°45'34.2"	2019-20	8.53 x 1.25x 0.54 10.57 x 1.13x 0.58 8 x1.13x0.54 16 x1.18x0.64
Karuvanthode / Kalpetta/ South Wayanad	N11°41'17.5" E76°56'30.7"	2018-19	9.47 x 2.47x 0.8 8.1 x 2.967x 0.909 10.25 x 2 x 0.8912
Seethapara/Pannikottur/Peruvannamuzhy /Kozhikode	N11°32'22.8" E76°00'98.2"	2018-19	7x 2.06x 0.85 9.7x 2.05x 0.95 9.3x 2.0x 1 9.6x2.05x 0.9
Chempothumpoil /Vilangad/Kuttiady/ Kozhikode	N11°32'22.8" E76°00'98.2"	2018-19	11.48x 0.9x 0.98 8.85x 0.9x 0.875
Uruppuvenkunnu/Kezhpally/ Kottiyoor /Kannur	N11°84'26.05" E75°65'.57.95"	2018-19	7x 2.06x 0.85
Punneri/ Kannavam/ Kannavam/ Kannur	N11°82'01.1" E75°68'.27.47"	2018-19	4.20x2.06x 1.05 4.10x2.10x1.06 5.27x2.06x 1.0

Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Impact	Score (Low,≤ 3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1.	Gully Plugging/Vythiri / Meppady/ South Wayanad	Gully plugging constructed in 2018 -2019 & 2019-20. The soil retention is good	Few Gullies are damaged due to flood.	7	Good
2.	Gully Plugging/ South Wayanad/ Kalpetta / Karuvanthode	Gully plugging constructed in 2018-19 is maintained good. The soil retention is good	The gully deliver 80 % of the envisaged impacts.	8	Good
3.	Gully Plugging/ Peruvannamuzhy/ Kozhikode Division	Gully plugging constructed in 2018-19 . The soil retention is good	Few Gullies are damaged due to wild	7	Good

			life movement.		
4.	Gully Plugging/ Thamarassery/ Kozhikode	Gully plugging constructed in 2018-19 . The soil retention is good	The gully deliver 70 % of the envisaged impacts	8	Good
5.	Gully Plugging/ Kozhikode/ Peruvannamuzhy/ Pannikottur	Gully plugging constructed in 2018-19 . The soil retention is good	The gully deliver 80 % of the envisaged impacts	8	Good
6.	Gully Plugging/ Kozhikode/ Peruvannamuzhy/ Pannikottur	Gully plugging constructed in 2018-19 . The soil retention is good	The gully deliver 80 % of the envisaged impacts	8	Good
7.	Gully Plugging/ Kozhikode/ Kuttiady /Chempothumpoil	Gully plugging constructed in 2018-19 . The soil retention is good	The gully deliver 80 % of the envisaged impacts	7	Good
8.	Gully Plugging/ Uruppuvenkundu/ Keezhpally / Kottiyoor / Kannur	Gully plugging constructed in 2018-19 . The soil retention is good	Maintained in good condition	8	Good
9.	Gully Plugging/ Punneri/ Kannavam/ Kannavam /Kannur	Gully plugging constructed in 2018-19 . The soil retention is good	Maintained in good condition	8	Good

Under soil water conservation gully plugging was carried out in 10 sites. The evaluation team physically perused the gullies for their quality and dimensions were measured and confirmed with the vouchers/records. Few Gullies were found damaged due to wild life movement and flood. The activity was verified through inspecting vouchers by the inspecting team and found correct.

C. Construction/ cleaning/ distillation of Pond

Sites	Location / Range / Division	GPS Location	Year of Construction	Dimensions (m)
1	Chendamoola, Kamblikara/Parappa/ Kasargode /Kasargode	N12°58'11.44" E75°27'20.32" Altitude113 msl	2018 -2019	18x12x 6

2	Balavanthadukka/ Kasargode /Kasargode	N12°52'47.67" E75°20'02.07" Altitude 121 msl	2018 -2019	10x10x 5
3	Ranipuram/ Kanhangad/ Kasargode	N12°41'22.19" E75°36'73.7" Altitude 820 msl	2018 -2019	15x5x 2 16x13x 105

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range / Place	Type of current use / Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Ponds/ Kasargode/ Kasargodee	The ponds were constructed in 2018-19 . The water retention is medium.	The ponds deliver 70 % of the envisaged impacts and needs desiltation.	7	Medium
2.	Ponds/ Kanhangad/ Kasargode	The ponds were constructed in 2018-19 . The water retention is medium.	The ponds deliver 70 % of the envisaged impacts and needs desiltation.	7	Medium

The ponds were evaluated for their physical existence and quality. They need desiltation. The specifications of the ponds were checked by verifying the vouchers and estimates.

D. Better connectivity includes Culverts/ foot bridges, roads

Sites	Location / Range / Division	GPS Location	Year of Construction	Dimensions (m)
1	Athikkode/Kakkayam /Peruvannamuzhy/ Kozhikode	N11°53'58.93" E75°95'21.87"	2018 -2019	9.8 x 2.9

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range / Place	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1.	Culverts / Athikkode /Kakkayam /Peruvannamuzhy / Kozhikode	The culverts were damaged in flood.	Damaged	3	Low

The culverts were inspected by the team for their existence and quality and found damaged due to flood. The specifications of the ponds were checked by verifying the vouchers and estimates.

E. Fire Mazdoor/Fire Gangs/ EDC Assistance

Location / Range / Division	Activity
Jankikkad / Kuttiyadi/ Kozhikode	Fire mazdoor
Nilamburkad To Mailallampara/Kanalad/ Thamarassery / Kozhikode	Fire mazdoor
Peruvannamuzhy / Kozhikode	Fire protection
Puthuppady/ Thamarassery / Kozhikode	Fire mazdoor
Palchuram/ Kottiyoor / Kannur	Fire gang
Edappuzha/Iratty/ Kottiyoor / Kannur	Fire gang
Konnakkad /Kanhangad / Kasargode	Fire watcher
Kasaragod / Kasargode	Fire gang
Bheemanady /Kanhangad / Kasargode	Fire watcher
Panathady/ Ranipuram /Kasargode	Fire gang
Parappa /Parappa/ Kasargode	Fire gang
Mandakol /Bandaduka / Kasargode	Fire gang
Maruthom / Kasargode	Fire gang
Karadukka / Kasargode	Fire gang
Muliyar / Kasargode	Fire gang
Chittarikkal/ Bheemanady / Kasargodee	Fire gang
Vilaramkunnu / Padinjarathara/ Kalpetta / South Wayanad	Fire gang
Kalpetta / South Wayanad	Fire gang

The evaluation team verified the records and vouchers for the engagement of fire gang, fire Mazdoor, fire watchers and driver for fire protection activities vehicle and found correct.

F. Assistance to Tribal VSS

Sl.No	Location / Range / Division	Activity
1.	Ambalamoola/ Begur / North Wayanad	Supply bench & desk for alternate school
2.	Anapanthi Kn Colony/Pulpally/Chedleth/South Wayanad	Street lights
3.	Anappathy Anganvady/ Chedleth/ South Wayanad	Furniture (Toys)
4.	Ozhakolly Anganvady/Nellarachal/ Aranamala/ Meppady / South Wayanad	Improving infrastructure
5.	Anganvady- Tribal Settlement/ Meppady/ South Wayanad	Drinking Water facilities
6.	Appadu Community Hall/Chedleth / South Wayanad	Providing furniture
7.	Athikkadavu Community Hall/Chedleth / South Wayanad	Providing furniture
8.	Cheriyamala / Pulpally / Chedleth / South Wayanad	Street lights
9.	Chettimattam Paniya Colony/ Irulam / Chedleth/ South Wayanad	Small Street lights
10.	Chettipambra Anganvady/Chedleth / South Wayanad	Providing furniture
11.	Churali Colony/ Kunhome/Peria/ North Wayanad	Educational support to anganvady
12.	Elambelery To Poolakkunnu Tribal Settlement/Meppady/ South Wayanad	Drinking Water facilities
13.	Forest Vayal / Pulpally /Chedleth / South Wayanad	Basic infrastructure improvement
14.	Govindanpara Tribal Settlement/ Vythiri /Meppady / South Wayanad	House hold articles
15.	Idiyamvayal Community Hall / Kalpetta /Kalpetta/ South Wayanad	Equipment like steel racks, table, chair, Plastic Chair
16.	Kakkodan Block Paniya Colony/Pulpally / Chedleth / South Wayanad	Small Street light
17.	Kallingal / Kunhome / Peria / North Wayanad	LPG gas connection
18.	Kappikkalam Anganvady/Cheerapoil Tribal Settlement/Padinjarathaa / Kalpetta / South Wayanad	Equipment like steel racks, table, chair, Plastic Chair
19.	Karukanthode Anganvady /Karukan Thode Tribal Settlement/Kalpetta /Kalpetta / South Wayanad	Equipment like steel racks, table, chair, Plastic Chair
20.	Kolarattukunnu -Anganvady/ Chedleth / South Wayanad	Providing furniture
21.	Koodaloor KN Colony/Irulam /Chedleth / South Wayanad	Street light
22.	Koonampala /Kottiyoor / Kannur	LPG gas connection

23.	Kuttiyamvayal Anganvady/Mangalam Kunnu Tribal Settlement/ Padinjarathaa /Kalpetta / South Wayanad	Equipment like steel racks, table, chair, Plastic Chair,Slider, Oonjal
24.	Madaparambu Anganvady/ Chedleth / South Wayanad	Providing furniture and Drinking Water facilities
25.	Madathil Colony/ Varayal/ Peria/ North Wayanad	Educational support to schools
26.	Mangalassery /Mananthavady / North Wayanad	Study materials to tribal students and Basic infrastructure improvement
27.	Manikode Urali Colony / Pulpally / Chedleth Range/South Wayanad	Small Street light
28.	Manthadam Paniya Colony/ Pulpally /Chedleth / South Wayanad	Small Street light
29.	Olimidavu Naikka Colony/ Pulpally /Chedleth /South Wayand	Small Street light
30.	Paithalmala/ Karamaramthattu / Thaliparambu / Kannur	Water pump for drinking water
31.	Pilathil Colony/ Kunhome/ Peria / North Wayand	Furniture to community hall
32.	Suganthagiri tribal Settlement/ Kalpetta /Kalpetta / South Wayanad	Equipment like steel racks, table, chair, Plastic Chair
33.	Thazhaseery Colony /Pulapally / Chedleth / South Wayanad	Street lights
34.	Varachankunnu Community Hall/ Chedleth / South Wayanad	Furniture
35.	Various Tribal Settlement In Kalpetta /Kalpetta / South Wayanad	Torches, Steel boxes, Plastic chairs
36.	Vattappady Community Hall / Chedleth / South Wayanad	Providing furniture
37.	Velamkode Anganvady/ Chedleth / South Wayanad	Providing furniture
38.	Vettathoor/Anganvady- PFS/ Chedleth / South Wayanad	Furniture



Drinking water facilities at Madaparambu

As part of the CAMPA operation, the tribal communities were provided with furnitures, small street light, Educational support, bench and desk to alternate schools and anganvady, Study materials to tribal students, steel rack , steel table, steel chair, plastic chair, Slider, Oonjal, toys, drinking water facility, water pump for drinking water and LPG gas connection. The records were verified and found correct.

G. Purchase of equipment

Sl.No	Location / Range / Division	Activity
1	Kalpetta / South Wayanad	Electronic Search Light for elephant Scaring squad
2	Thamarassery / Kozhikode	Cages, Snake catching equipments
3	Chedlth / South Wayanad	Security equipment
4	APC at Kakkayam/ Kozhikode	Torches
5	Peruvannamuzhy / Kozhikode	Life saving equipments
6	Kanhangad / Kasargode	Life saving equipments
7	DFO office/ Kasargodee	Life saving equipments

8	Division office, South Wayanad	Android Mobile Phone for MSTRIPS
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Fire Safety Guards



Search Lights

The equipments purchased were evaluated for physical existence and quality. They were checked by verifying the vouchers. The equipment are in good condition and used regularly.

H. Awareness Programme/ Nature Camps/ Training to protective staffs

Location / / Division	Activity
Ladysmith Hall / Kalpetta / South Wayanad	Conducting training in HAWK Module to staff
Kasargode / Kasargode	Training in vanasree complex
Kasargode / Kasargode	Training in vanasree complex
Kasargode / Kasargode	Snake catcher Training
Kasargode / Kasargode	Snake catcher Training

The evaluation team verified the records and vouchers pertaining to the awareness programme.

All the six activities envisaged were completed during 2018-19 in the circle. Eight spillovers of earlier years were also taken up during this period. These activities were also evaluated. Against an outlay of Rs. 47.50 lakhs allotted, an expenditure of Rs. 52.18 lakhs was incurred due to unforeseen expenditure to the camp sheds as a result of damage by the floods.

Eastern Circle, Palakkad (2018 – 2019)

The evaluation covered five forest divisions of the circle. They include

1. Mannarkkad
2. Nenmara
3. Nilambur North
4. Nilambur South
5. Palakkad

Five different activities have been undertaken in the circle. The distribution of activities is as follows:

Component	Particulars of work	Divisions
Forest and Wildlife Protection	Creation of Kayyalas	Nemmara
	Interior Camp sheds	Nemmara
	Maintenance of trek path/Patrolling Route	Palakkad
	River Bank Stabilization	Palakkad
Forest Fire Management	Engaging Fire Gang	Nilambur North, Nilambur South, Palakkad

I. Forest and Wildlife Protection

a. Creation of Kayyalas

Sites	GPS Location	Dimensions (m)	Remarks
Kollengode /Nemmara	N10° 34'15.26" E76° 46'32.62"	143 x 1.5x0.15	Inspected the kayyaylas created during 2017-18 and found in good condition

The measurement book was checked for dimensions and expenditure and found correct.



Inspection of the Kayyala at the site

b. Interior Camp sheds

Sites	GPS Location	Year of Construction	Observations of the Evaluation Team
Nellyampathy, Nemmara	N10° 30'14.7" E76° 41'27.94"	Constructed during British period	Maintenance of doors/windows/kitchen utensils/ furnitures is required.



Sooryapara Camp shed at Nellyampathy

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range	Type of current use / Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of asset – High, Medium, Low

1.	Sooryapara Camp shed, Nellyampathy, Nemmara	Damaged due to minimal maintenance	The shed may be maintained for use by the frontline staff.	5	Medium
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c. Maintenance of trek path/Patrolling Route

Sites	GPS Location	Year of Activity	Dimensions	Observations of the Evaluation Team
Pudur, Attappady	N11° 09'56.06" E76° 37'26.41"	2018-19	Length - 8 km Width - 3.2m	The works were evaluated for physical existence and quality.
Koottupuzha in Elival, Olavakkode	N11°25'0.72" E76°13'28.01"	2019-20	Length - 3km	The works were evaluated for the physical existence and for the quality.



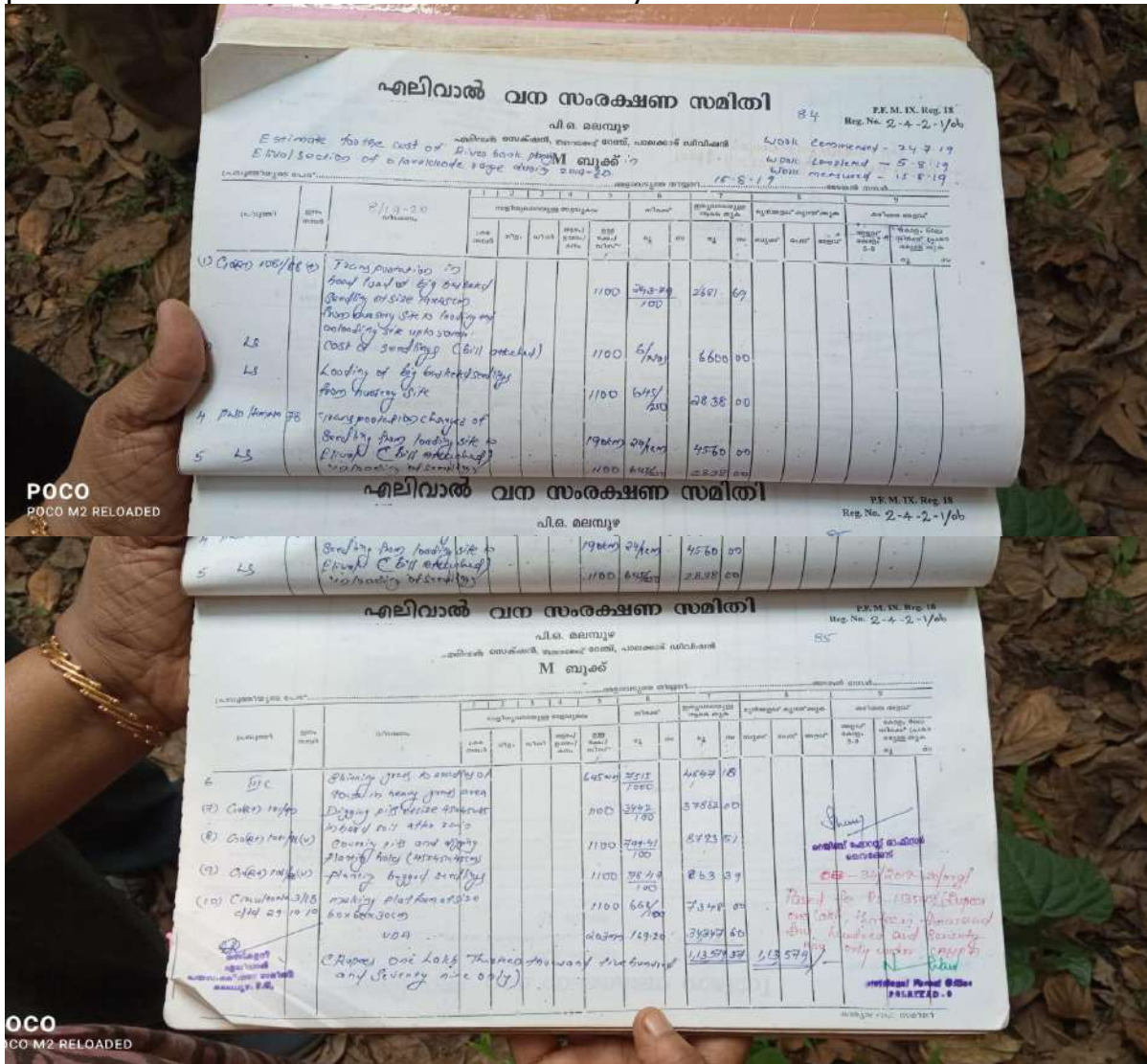
Trek path at Pudur

The Trek paths which are useful for the frontline staff were evaluated for physical existence and quality.

d. River Bank Stabilization

S. No.	Divisions	Area (ha)/ Planting	Species	Survival (%)	Observations of the Evaluation Team
1	Elival, Olavakkode/ Palakkad	5 ha	Bamboo and <i>Syzigium cumini</i>	10%	The river bank was severely damaged in the 2018 floods.

Under river bank stabilization, 1100 plants of bamboo and *S.cumini* were planted in 5 ha. Most of them were destroyed due to 2018 floods.



Mbook details on production and distribution of seedlings

II. Forest Fire Management
a. Engaging Fire Gang

Location / Range / Division	Activity
Nilambur North: Kanjirapuzha, Walluvassery, Vazhukaradam, Ayiravellikavu, Edavanna, Kodumpuzha	Fire gang

Karulai, Nilambur South	Fire gang
Mannarkad, Agali, Attappady	Fire gang and purchase of furniture for campsheds of the range
Olavakkode and Walayar/ Palakkad	Fire gang

The inspection team verified the records and the vouchers for engaging fire gang and purchase of furnitures for campsheds of the entire range and found correct.

All the five activities envisaged were completed during 2018-19 in the circle. The amount allotted for the campshed was utilized for the purchase of equipment such as water purifier and the vouchers were checked. Overall, an amount of Rs. 47.50 lakhs was allotted to the circle which was fully utilised.

Central Circle, Thrissur (2018 – 2019)

The evaluation covered four forest divisions of the circle. They include

1. Chalakkudy
2. Malayattoor
3. Thrissur
4. Vazhachal

Six different activities were undertaken under three components in the circle. The distribution of activities is as follows.

Component	Particulars of Work	Divisions
Compensatory Afforestation Funds	Compensatory Afforestation Works	Chalakkudy, Vazhachal
Forest and Wildlife Protection	Better connectivity including bridges roads communications	Chalakkudy, Vazhachal, Malayattoor
	Construction & Maintenance of check dams	Malayattoor
	Construction of Chappath/Bridge	Malayattoor
	Interior Camp sheds	Chalakkudy
Forest Fire Management	Engaging Fire Gang	Chalakkudy, Vazhachal, Malayattoor, Thrissur

Two new activities were also taken up. were These activities were also evaluated.

I. Compensatory Afforestation Funds

a. Compensatory Afforestation Works: This work has not been evaluated as the details were not available with the concerned office.



A CA plantation of 2018 visited by the team

II. Forest and Wildlife Protection

a. Interior Camp sheds

Sites	GPS Location	Dimensions (m ²)	Observations of the Evaluation Team
Camp Shed/ Chalakudy division/Vellikulangara Range	N10°22'11.59" E76°27'53.53"	10	The above Camp sheds are maintained well.
	N10°22'18.93" E76°20'54.4"		
	N10°24'59.6" E76°20'54.4"		
Vazhachal Division, Poringalkuthu	N10°20'46.82" E76°38'18.76"	95	Maintenance like patch work in the floor of the existing camp shed.
Malayattoor Division Thundathil & Kuttampuzha ranges	N10°11'46.1" E76°48'1.5"	72.16	Maintenance like tress work over the existing camp shed.
	N10°09'24.1" E76°50'23.2"		



The inspection team with members of VSS at camp shed

III. Forest Fire Management

- a. Engaging Fire Gang: Antipoaching watchers and fire gangs were engaged through tribal VSS tribal. The records were verified and found correct.

IV. Capacity Building

- a. Training and workshops: Awareness classes and nature education were imparted in Vellikulangara, Chalakudy Division during 2019.

The following three new activities outside the APO were undertaken

A. Provision for field Ration for interior camps

S.No	Year	Range	Particulars (Field Ration)
1.	2018	Vellikulangara	Providing field ration for the participants in camping site (10 Nos) inside forest area in Vellikulangara range
2.	2019	Palappilly	Field ration for interior camping in the Palappilly range
3.	2019	Pariyaram	Cost of field ration for the participants in camping site inside forest area in Pariyaram
4.	2019	Vellikulangara	Providing field ration for interior camping in the Vellikulangara range

The records and vouchers were verified and found correct

B. Purchase of equipment

S. No.	Location / Range / Division	Items procured
1	Parakkadavu/ Palappily / Chalakudy	Interior camp shed items
2	Myladumpara/ Pariyaram /Chalakudy	Furniture and utensils
3	Charpa /Vazhachal	Emergency flickering light and search light for control room vehicle

The items were physically verified by the team. The vouchers were also verified and found correct.

Out of the six activities envisaged under the three components during 2018-19, in the circle except one activity, five activities have not been evaluated. Two new activities outside the APO were undertaken. Overall, an amount of Rs. 67.57 lakhs was allotted to the circle during the period of which 95.14 percent financial achievement was observed.

High Range Circle, Kottayam (2018 – 2019)

The evaluation covered five forest divisions of the circle. They include

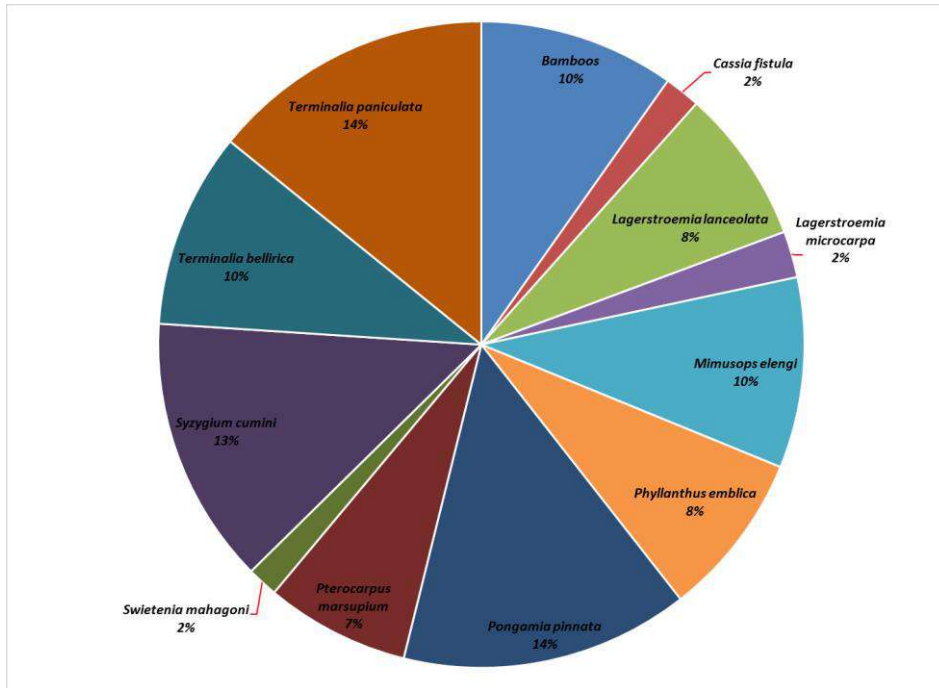
1. Kothamangalam
2. Kottayam
3. Mankulam
4. Marayoor
5. Munnar

Seven different activities were undertaken in the circle. The distribution of activities is as follows:

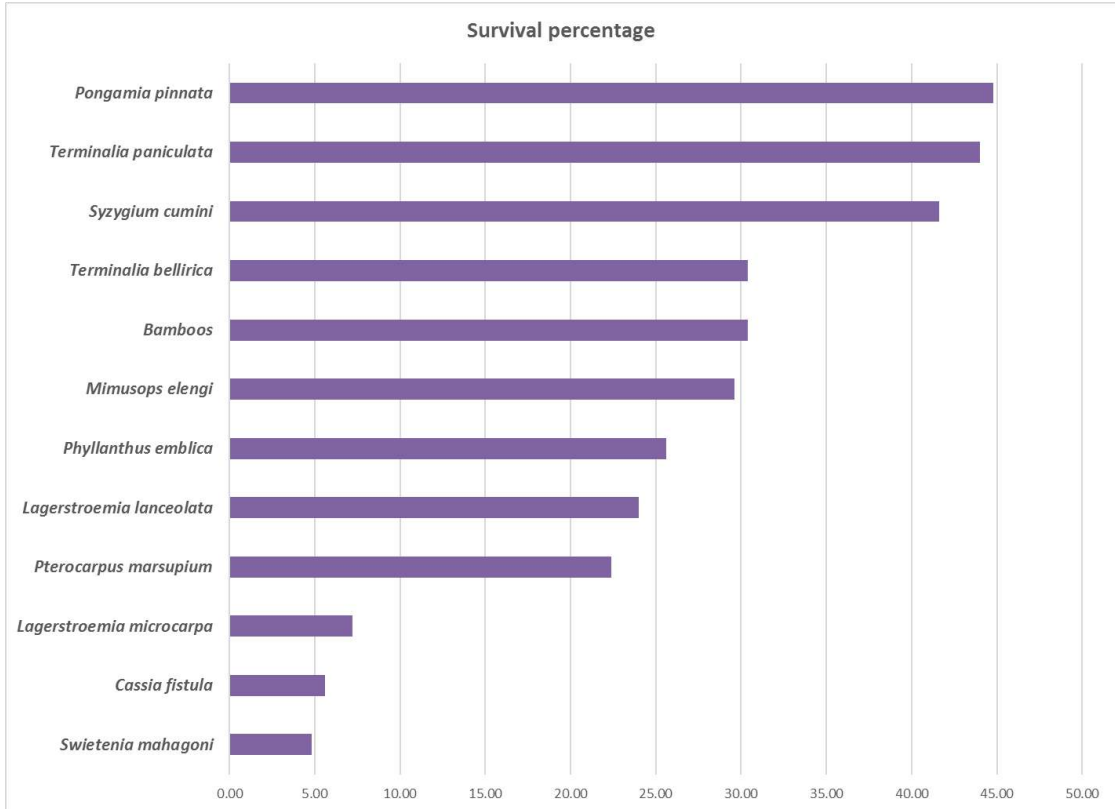
Component	Particulars of Work	Divisions
Compensatory Afforestation Funds	Compensatory Afforestation Works	Munnar
Forest and Wildlife Protection	Digging water holes/Ponds	Mankulam, Marayoor, Munnar
	Interior Camp sheds	Kottayam, Marayoor
	Maintenance of trek path/Patrolling Route	Marayoor, Munnar
	Soil and moisture conservation / Gully Plugging	Munnar, Kothamangalam
Infrastructure Development	Providing basic infrastructure to tribal settlement	Marayoor
Capacity Building	Training and workshops	Marayoor, Mankulam

I. Compensatory Afforestation Funds
a. Compensatory Afforestation Works

S. No.	Divisions	Area (ha)/ Planting	Species	Survival (%)
1.	Munnar, Makkucmchal, Adimali	19.3 ha	<i>Pongamia pinnata</i> , <i>Syzygium cumini</i> , <i>Terminalia paniculata</i> , <i>T. bellirica</i> , Bamboos, <i>Garcinia gummigutta</i> , <i>Albizia procera</i> , <i>Dalbergia</i> , <i>Mimusops elengi</i> , <i>Vateria indica</i> , <i>Lagerstroemia microcarpa</i> , <i>Cassia fistula</i> , <i>Pterocarpus marsupium</i> , <i>Phyllanthus emblica</i>	40.16



Distribution of the species in the plantation



Survival of individual species

Growth performance of different species in terms of height (cm) at Makkumchal

Species	Average (cm)	Maximum (cm)	Minimum (cm)	CV (%)
Bamboos	50.45	78.00	33.00	26.37
<i>Cassia fistula</i>	125.71	200.00	89.00	77.31
<i>Lagerstroemia lanceolata</i>	32.43	51.00	19.00	17.92
<i>Lagerstroemia microcarpa</i>	57.56	65.00	50.00	11.09
<i>Mimusops elengi</i>	42.78	70.00	21.00	23.13
<i>Phyllanthus emblica</i>	40.31	61.00	19.00	17.77
<i>Pongamia pinnata</i>	96.45	212.00	34.00	96.77
<i>Pterocarpus marsupium</i>	54.43	106.00	24.00	56.20
<i>Swietenia mahagoni</i>	83.00	90.00	74.00	12.41
<i>Syzygium cumini</i>	78.37	200.00	19.00	96.79
<i>Terminalia bellirica</i>	70.05	113.00	30.00	55.09
<i>Terminalia paniculata</i>	59.67	88.00	35.00	26.57



Survival of different species at Makkumchal plantation

This activity was carried out in Munnar Division. Of the 12 species planted only *Pongamia pinnata*, *Syzygium cumini* and *Terminalia paniculata* recorded more than 40 % survival.

II. Forest and Wildlife Protection

a. Interior Camp sheds

Sites	GPS Location	Dimensions (m ²)	Remarks
1	N10° 10'55.88" E77° 09'38.18" Elevation-1023m	8.548	The shed is maintained well.
2	N10° 16'19.38" E77° 09'17.08" Elevation-1016m	9.408	The shed is maintained well.
3	N10° 16'21.80" E77° 09'16.19" Elevation-1033m	9.408	The shed is maintained well.
4	N09°40' 54.55" E76°54' 24.91" Elevation-1037m	34.43	Steel Structure for Water Tank with 1.35 x 1.35 x 2.75 was constructed.

Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Camp Shed/ Ambalappara, Marayoor, Marayoor	The shed is maintained well.	The shed is useful for the frontline staff.	9	High
2	Camp Shed / Karimpara, Marayoor, Marayoor	The shed is maintained well.	The shed is useful for the frontline staff.	9	High
3	Camp Shed / Uralkuthy, Marayoor, Marayoor	The shed is maintained well.	The shed is useful for the frontline staff.	9	High
4	Campshed / Vagamom/ Erumely/ Kottayam	The campshed has two rooms, kitchen, verandah and a toilet. Roofing was done with 0.50 mm GI Sheet.	The shed is useful for the frontline staff.	9	High



Campshed at Ambalapara



Campshed at Erumely

The works were evaluated for physical existence and quality. The specifications of the camp sheds were checked with measurement books and vouchers and verified the expenditure.

b. Soil and moisture conservation / Gully Plugging

Sites	GPS Location	Dimensions (m)	Observations of the Evaluation Team
1.	N10° 10'40.55" E77° 08'54.22" Elevation-2235m	10 x 10 x 1.40	Water is stored at full level for the wildlife.
2.	N10° 10'49.18" E77° 09'09.17" Elevation-2272m	10 x 10 x 1.40	Water is stored at full level for the wildlife.
3.	N10° 03'52.23" E76° 47'45.43" Elevation-227m	10 x 5 x 1.40	Water is stored at full level for the wildlife.
4.	N10.01547° E76.80817° Elevation-127m	2.23 x 0.97 x 4.42 2.48 x 1.09 x 5.92 2.03 x 1.02 x 4.52 2.43 x 1.2 x 4.73 2.2 x 1.11 x 7.71 2.47 x 1.14 x 3.9 2.28 x 1.09 x 5.4	Water stored at quarter level

Observations of the Evaluation Team

S. No.	Type of Assets / Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1.	Gully/Bluvady/Chullikkandam / Mullaringad/ Kothamangalam	Water stored at quarter level	Nine gullies were created. The water storage was observed to be low in almost all of them.	4	Medium
2.	Gundumala Water Hole/ Munnar, Munnar	Water is stored at full level for the wildlife.	This water hole is mostly used to provide water for animals. Well maintained.	9	High
3.	Munnam Mile Water Hole/ Munnar, Neriamangalam	Water is stored at full level for the wildlife.	This water hole is mostly used to provide water for animals. Well maintained.	9	High

4.	Muthuvanpara Water Hole: Munnar, Munnar	Water is stored at full level for the wildlife.	This water hole is mostly used to provide water for animals. Well maintained.	9	High
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Gully at Bluvady



Muthuvanpara Water Hole



Munnam Mile Water Hole

Under the soil water conservations the gullies and water holes made were inspected for their physical appearance and quality and found good. wildlife. The records are verified and found correct.

III. Infrastructure Development

- a. Providing basic infrastructure to tribal settlement: LPG connections were provided to the members of Kuthukallukudi VSS , Pongampally VSS and Cherukad VSS of Marayoor and Kanthalloor Ranges in Marayoor Division.

IV. Capacity Building

- a. Training and workshops
 - (i) Training was provided to the staff and watchers on fire protection during 2018-2019, Marayoor Division, Marayoor Range.
 - (ii) Engaging Fire Gang: Fire gangs were engaged in Marayoor Division (Marayoor Range and Kanthalloor Range), Mankulam Division, Mankulam Range, Mankulam Section, Mankulam Division, Mankulam Range, Kallar Section and Mankulam Division, Anakkulam Range.
 - (iii) Training Workshop: A training workshop on bird watching and bird census was organized at Mankulam Division, Mankulam Range for protection staff and watchers.

The following three new activities outside the APO were undertaken

A. Soil and moisture conservation

Sites	Type of Assets / Division / Range	GPS Location	Dimensions (m)	Observations of the Evaluation Team
1.	Temporary checkdam /Nallyamavu/ Vattakkalamthatty/ Kulamavu/ Thodupuzha/ Kothamangalam	N 10.01544° E 76.80844° Elevation- 134 m	-	The checkdam has been constructed using brushwood.
2.	Gully Plugging (6) / Bluvady/ Mullaringad/ Kothamangalam	N 10.01544° E 76.80844° Elevation- 134 m	2.56x 0.92x 5.16 2.25 x 1 x 9.41 2.25 x 1.07 x 6.1 2.73 x 1.2 x 8.73	Water stored at quarter level in all except one, where full storage was observed.
3.	Gully Plugging / Perakuthu/ Kothamangalam / Kothamangalam	N10.0761° E76.7220° Elevation- 72 m	43.64m ³	Water stored at quarter level
4.	Gully Plugging / Pothencheri/ Nedukkadu/ Kaliyar/ Kothamangalam	N10.0132° E76.7357° Elevation- 50 m	43.64m ³	Water stored at quarter level



Lush vegetation surrounding the SMC

Under this activity, gullies were created in 8 sites and temporary check dam in one site. These activities were verified physically and dimensions were

measured and confirmed with the vouchers/records. All the structures were in healthy conditions and useful in soil moisture conservation as is evident from the lush green vegetation.

Seven activities were planned under four components during 2018-19 in the circle. Two activities have not been evaluated as the details were not available with the concerned office. Soil and moisture conservation activities outside the APO were undertaken. Overall, an amount of Rs. 62.85 lakhs was allotted to the circle during the period of which 96.82 percent financial achievement was observed.

Southern Circle, Kollam (2018 – 2019)

The evaluation covered six forest divisions of the circle. They include

1. Achenkovil
2. Konni
3. Punalur
4. Ranni
5. Thenmala
6. Thiruvananthapuram

Seven different activities were undertaken in the circle. The distribution of activities is as follows:

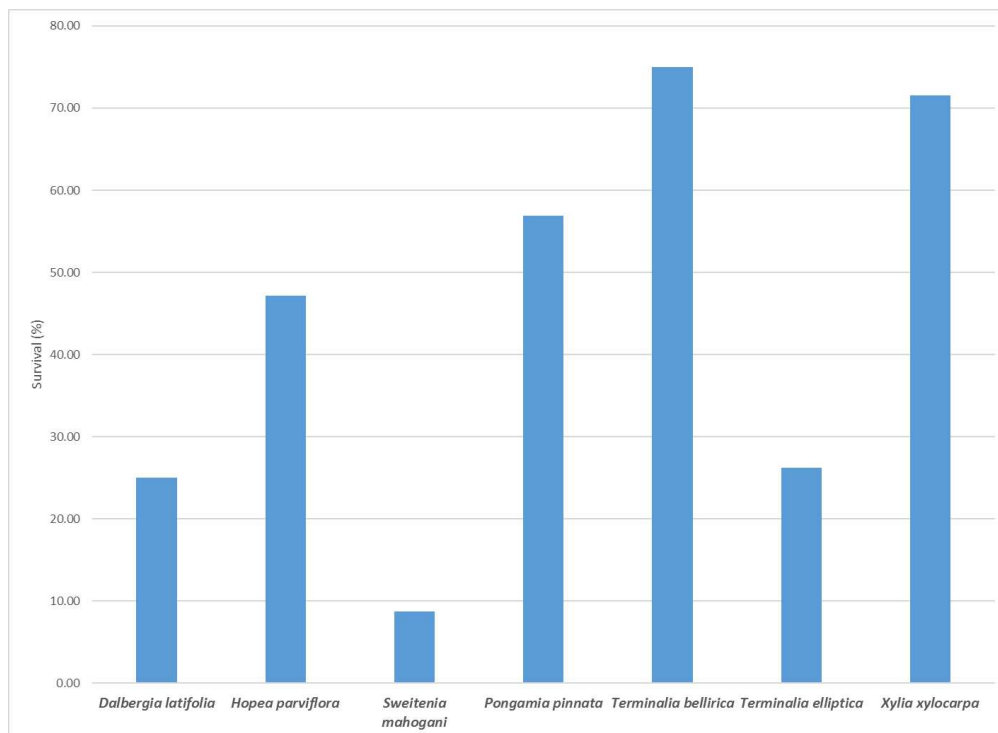
Component	Particulars of Work	Divisions
Compensatory Afforestation Funds	Compensatory Afforestation Works	Punalur
Forest and Wildlife Protection	Better connectivity including bridges roads communications	Konni, Achenkovil, Punalur, Ranni, Thenmala
	Interior Camp sheds	Achenkovil
	River Bank Stabilization	Konni
Forest Fire Management	Engaging Fire Gang	Konni, Achenkovil, Punalur, Ranni, Thenmala, Thiruvananthapuram
Capacity Building	Awareness Program	Ranni, Konni, Achenkoil, Punalur

Most activities mentioned in the APO were carried out in the Circle. Four new activities were also taken up. were These activities were also evaluated.

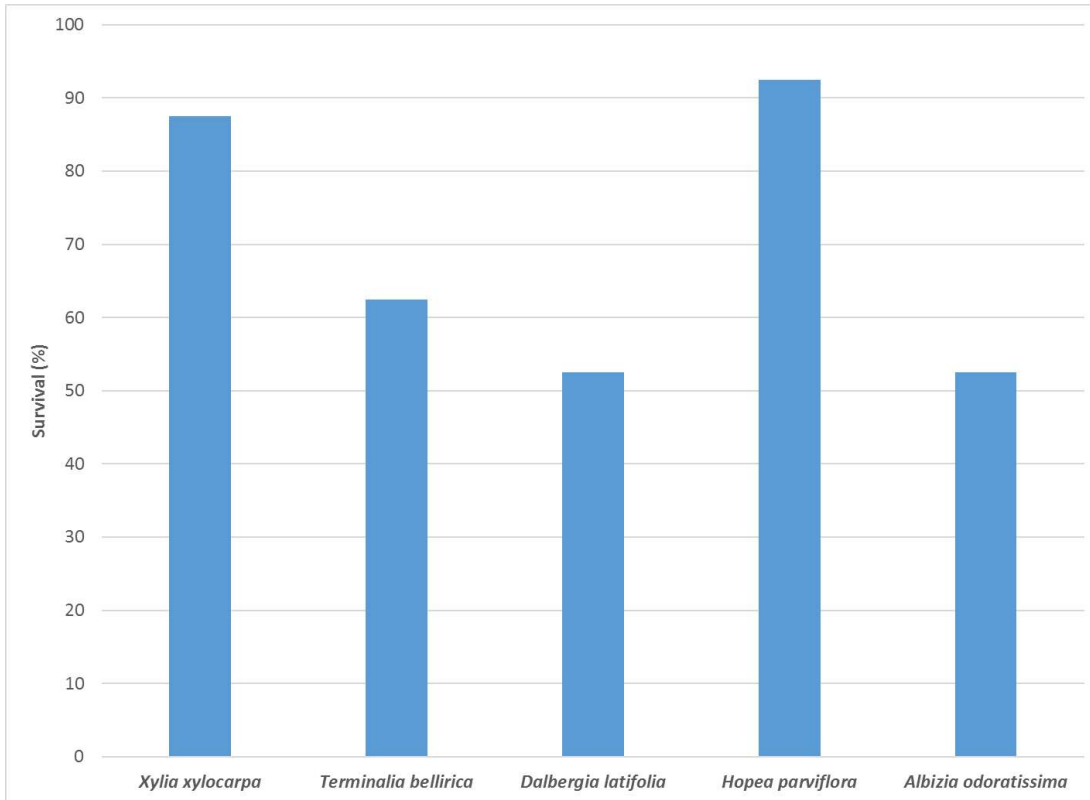
I. Compensatory Afforestation Funds
a. Compensatory Afforestation Works

S. No.	GPS	Area (ha)/ Planting	Species	Survival (%)
1.	N9°3'51.76" E76°58'2.39"	Out of 50 ha at Verukuzhi 10 ha gap planting	<i>Terminalia bellirica</i> , <i>Hopea parviflora</i> , <i>Xylia xylocarpa</i> , <i>Schleichera oleosa</i> and <i>Atrocarpus hirsutus</i> .	54.00
2.	N9°05'59.9" E76°57'3.9"	Kulatharapacha 28 ha gap plantation	<i>Dalbergia latifolia</i> , <i>Hopea parviflora</i> , <i>Sweitenia mahogany</i> , <i>Pongamia pinnata</i> , <i>Xylia xylocarpa</i> , <i>Terminalia bellirica</i> , and <i>Terminalia elliptica</i> ,	44.37
3.	N9°05'59.9" E76°57'3.9"	Chudalakunnu gap plantation work in an area of 10 Ha	<i>Xylia xylocarpa</i> , <i>Terminalia bellirica</i> , <i>Dalbergia latifolia</i> , <i>Hopea parviflora</i> , <i>Albizia odoratissima</i> .	69.5

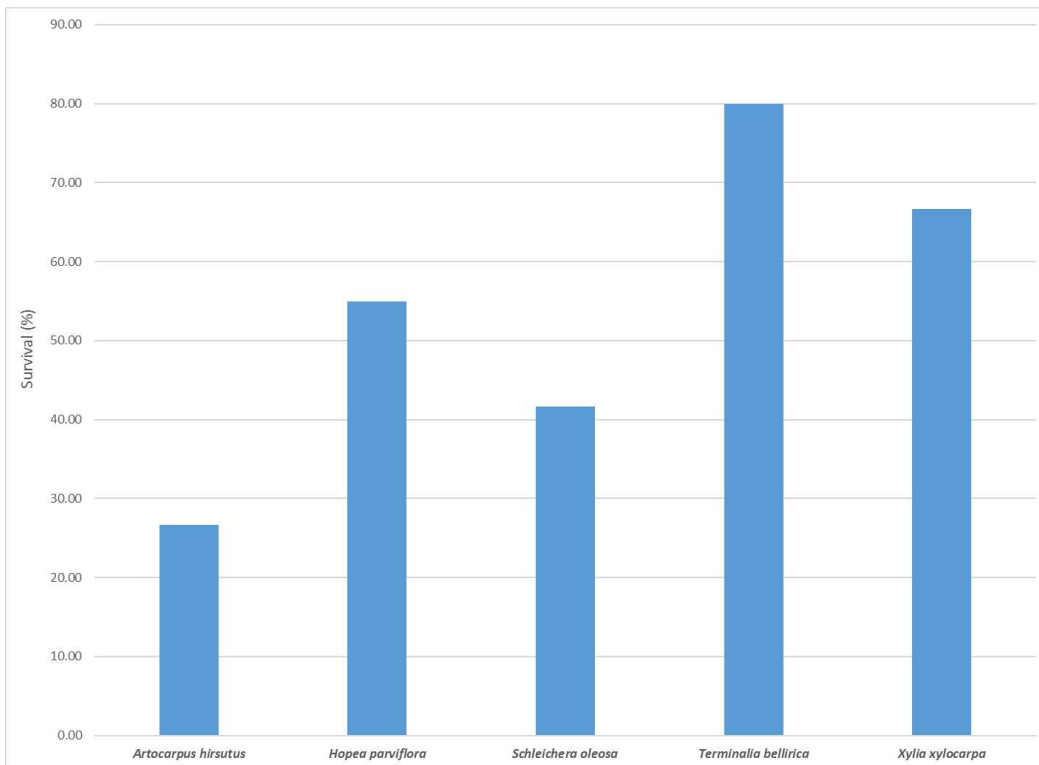
Activities which were carried out include selective removal of alien exotic weeds, gap planting, construction of staggered trenches for soil water conservation and to hold seeds of forest tree species for further natural regeneration, protection against fire, grazing by engaging protection watcher, fire protection through fire break.



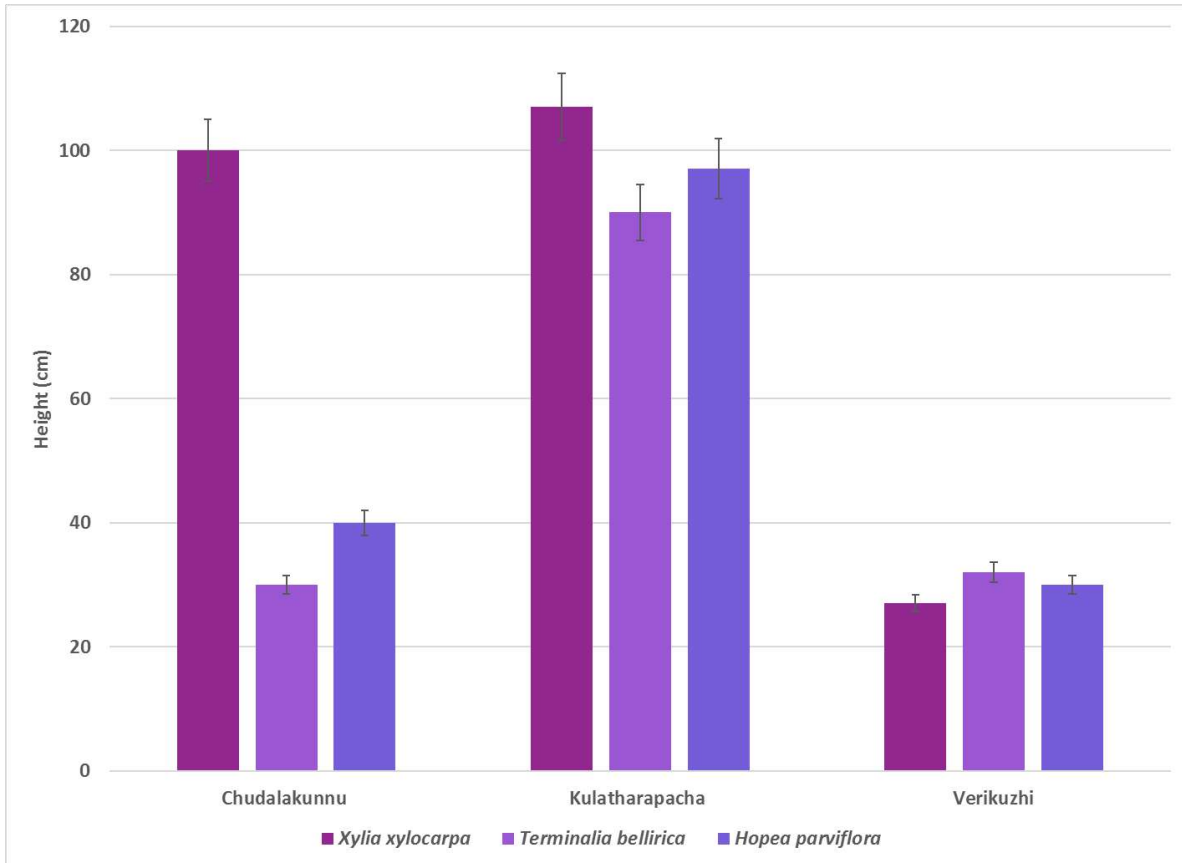
Survival (%) of different species in Kulathurpacha



Survival (%) of different species in Chudalakunnu



Survival (%) of different species in Verikuzhi



Performance of three species across three locations in the Circle

Compensatory afforestation was carried out in Punalur Division. Performance of three species *Hopea parviflora*, *Xylia xylocarpa*, *Terminalia bellirica* across three locations were evaluated. All three species performed well in Kulatharapacha.

II. Forest and Wildlife Protection

- a. Better connectivity including bridges roads communications:
Records were verified and found correct.

- b. Interior Camp sheds

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N9°10'0.498" E77°9'17.736"	2018-2019	10 x 10.5	The condition of the structure is good.

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low

1.	Camp Shed at at Chittar, Achenkovil division	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
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Campshed at Chittar

The camp shed was evaluated for its physical existence and quality. The specifications of the camp shed was checked by physical measurements and verifying the vouchers and estimates. The camp shed is well maintained which is useful for the frontline staff.

c. River Bank Stabilization

Divisions	Area of Planting	Species	Survival (%)	Observations of the Evaluation Team
Mannapara at Konni N09.100165 E77.123735	12 km along Achencovil river from Mannarapara to Chithode	3000 <i>Bambusa bambos</i>	65	Natural regeneration of <i>Tetrameles nudiflora</i> , <i>Albizia chinensis</i> , <i>Homonoia riparia</i> and <i>Bombax ceiba</i> was noted. The weeds <i>Glycosmis</i>

			<p><i>pentaphylla, Jatropha curcas, Scoparia dulcis, Rorippa indica</i> and <i>Acacia initia</i> were observed</p> <p>River width increased by 5M in both sides. The field was highly infested with weeds and the saplings were damaged due to elephant and wild boar grazing.</p>
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River Bank Stabilisation along Achenkovil river in Konni Division



Successful establishment of bamboos in river bank stabilisation

III. Forest Fire Management

- a. Engaging Fire Gang: This work was carried out with the support of VSS members. Records were verified and found correct.

IV. Human Animal Interace

- a. Preparation of detailed GIS based system for managing Human animal interace: It was explained that this is a common activity organised by the HQ and all details are available with HQ.

V. Capacity Buildling

- a. Awareness Programmes

Conducted five training and awareness programmes to students field staff, VSS members and public at at Ranni, Konni, Achenkoil, Punalur.

- The benefits as observed from records and through interviews.
 - i. Due to fire gang activities incidents of forest fire reduced
 - ii. Human animal conflict reduced by placing elephant ponds at correct locations
 - iii. Improved basic infrastructure like camp shed facilities, received LPG connections
 - iv. Improved awareness about forest protection
 - v. Employment opportunities through fire gang activities and honey collection etc.

The following four new activities outside the APO were undertaken

A. Elephant Proof Trench

Location	Year	Remarks
Punchakolly, Koodallor, Pambra	2013-14	The trenches were physically verified.
Maramala, Chedleth Range	2013-14	The trenches were physically verified.

B. Construction of Solar Fencing

Location	Year	Remarks
Orkittammolla, Ammani	2013-14	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.

C. Gully Plugging

Sites	GPS Location	Dimensions (m)	Observations of the Evaluation Team
Anchanakkoppam Reach II, Sankily, Kulathupuzha	N 08°48'40.6" E 77°05'28.3"	2.1 x 1.25 x 20.5	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Gully plugs are found to be intact and good.
Anchanakkoppam Reach II, Sankily, Kulathupuzha	N 08°48'23.0" E 77°05'53.6"	1.4 x 1.30 x 6.6	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Gully plugs are found to be intact and good.
Anchanakkoppam Reach II, Sankily, Kulathupuzha	N 08°48'25.6" E 77°05'54.6"	1.9 x 1.5 x 5.1	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills

			and records were maintained well. Gully plugs are found to be intact and good.
Kocharappinchola, Vithura, Paruthipally	N 08°46'26.3" E 77°02'36.7"	1.8 x 1.4 x 8.5	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Gully plugs are found to be intact and good.
Dally, Mylamood, Kulathupuzha	N08°51'11.18" E77°03'57.82"	11.50 x 0.75 x 20	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Gully plugs are found to be intact and good.



Gully plugging at Anchanakkoppam

Gullies were verified for their physical existence and quality. The specifications of the gullies were checked by physical measurements and verifying the Measurement (M) book.

D. Construction / Desilting of elephant ponds

Sites	GPS Location	Year of Construction	Dimensions (m)	Observations of the Evaluation Team
Dally, Mylamood, Kulathupuzha	N08°51'11.18" E77°03'57.82"	2018-19	11.50 x 0.75 x 20	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Poovathinmoodu, Mylamood, Kulathupuzha	N08°50'11.90" E 77°05'26.60"	2018-19	12 x 0.80 x 15	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Kozhiyaruppankala, Chittar North	N08°47'07.94" E 77°02'17.84"	2018-19	10 x 1.5 x 15	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Oduchuttapadukka, Chittar South, Kulathupuzha	N 08°46'24.9" E 77°02'35.9"	2018-19	10 x 1.5 x 15	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well.

				Elephant ponds are found to be intact and good.
Nallumarudiam oodu, Vithura, Paruthipally	N 08°46'26.3" E 77°02'36.7"	2018-19	10 x 1 x 15	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Aanakulam, Vithura, Paruthipally	N08°70'58.09" E 77°14'59.1"	2018-19	10 x 1.10 x 15	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Apathuvayal, Sankily, Kulathupuzha	N08°48'43.57" E 77°05'50.77"	2018-19	7 x 0.75 x 18	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.
Bonakadu, Vithura, Paruthipally	N08°41'51.09" E 77°09'31.06"	2018-19	10 x 1.5 x 13	Sketch and dimensions mentioned in the Measurement (M) book found to be same. Bills and records were maintained well. Elephant ponds are found to be intact and good.



Elephant Pond at Kozhiyappankala



Elephant Pond at Oduchuttapadukka



Elephant pond at Dally, Mylamood

The ponds were evaluated for their physical existence and quality. The specifications of the ponds were checked by verifying the vouchers and estimates.

This circle undertook the highest number of activities during the period 2018-2019, and implemented most activities listed in the APO. Seven activities under five components mentioned in the APO were carried out in the Circle. Four activities outside the APO were undertaken namely elephant proof trench, Solar Fencing, gully plugging and elephant pond creation. Overall, an amount of Rs. 75.65 lakhs was allotted to the circle. An expenditure of Rs, 89.69 lakhs was incurred, which was ascribed to the heavy floods during the year.

Wildlife Circle Palakkad (2018 – 2019)

The evaluation covered four divisions of the circle. They include

1. Peechi
2. Parambikulam
3. Silent Valley
4. Wayanad

Eight different activities were envisaged in the circle under five components. The distribution of activities is as follows:

Component	Particulars of Work	Divisions
Forest and Wildlife Protection	Better connectivity including bridges roads communications	Wayanad
	Digging water holes/Ponds	Silent Valley

	Interior Camp sheds	Wayanad, Parambikulam
	Maintenance of trek path/Patrolling Route	Silent Valley
Forest Fire Management	Engaging Fire Gang	Parambikulam
Infrastructure Development	Providing basic infrastructure to tribal settlement	Silent Valley
Biodiversity Conservation	Eradication of Exotic weeds/Obnoxious weeds	Wayanad
Capacity Building	Training and workshops	Wayanad

I. Forest and Wildlife Protection

a. Interior Camp sheds

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
1	N11°44'28.52" E 76°22'1.59"	2018-2019	6.5 x5.1 x 8	The condition of the structure is good.
2.	N10°37'65.48" E 76°69'0.42"	2018-2019	9.5x5.5x6.2	The condition of the structure is good.

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range	Type of current use / Observations	Impact	Score (Low ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1.	Camp Shed / Wayanad division / Sulthan battery	The shed is maintained well.	The shed is useful for the frontline staff.	7	High
2.	Camp shed / Parambikulam division / Karimala range	The shed is maintained well.	The shed is useful for the frontline staff.	7	High



Camp Shed at Naiketetty Section

The camp sheds were evaluated for physical existence and quality. The specifications of the camp sheds were checked by physical measurements and verifying the vouchers and estimates. The camp sheds are well maintained and is useful for the frontline staff.

II. Forest Fire Management

a. Engaging Fire Gang

Antipoaching watchers were engaged from tribal people to protect Forest in Parambikulam Division. Trenches were made for protection from wildlife.

III. Biodiversity Conservation

a. Eradication of Exotic weeds/Obnoxious weeds:

Eradication of Exotic weeds was undertaken in Wayanad Division, based on the records verified. Three species were removed, *Senna spectabilis*, *Lantana camara* and *Chromalena odorata*

Plot No.	GPS coordinates of the worked plot	Species	Efficiency (%)	Observations of the Evaluation Team

1.	N11°56'55.487" E76°4'30.4"	<i>Senna spectabilis</i>	65	The weeds have reduced in comparison to the unworked plot. However, regular maintenance is required.
2.	N 10° 26'39.37" E76°27'26.35"	<i>Senna spectabilis</i> <i>Lantana camara</i> <i>Chromalena odorata</i>	72	The weeds have reduced in comparison to the unworked plot. However, regular maintenance is required.

The following four new activities outside the APO were undertaken

A. Construction of Solar Fencing

Location	Year	Observations of the Evaluation Team
Chiranada, Sulthan bathery	2018-19	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Podhuvapadam, Silent Valley range.	2018-19	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.
Ambalapara, Silent valley range	2018-19	The solar fencing was physically verified. There are minor damages to the fences. Records were verified and found correct.



Solar Fencing at Silent Valley

B. Elephant Proof Trench

Location	Year	Observations of the Evaluation Team
Anaporu, Chimmony (maintenance)	2018-19	The trenches were physically verified for its maintenance



Elephant Proof Trench at Chimmony

C. Interior Camp shed & Ration

Sites	GPS Location	Dimensions (m)	Observations of the Evaluation Team
Camp shed /Chavachi/ Aralam	N11°55'43.85" E76°26'31.92"	4x3.5	The maintenance of the structure is in good condition
Camp shed/ Keeripara/ Bhavani/Silent Valley	N 11°55'41.5" E 76°54'10.5"	4.5x1.5x4	The maintenance of the structure is in good condition.
Camp shed/ Pooparai/ Karimala/ Parambikulam	N 10°35'73.11" E 76°81'36.35"	5.5x5.5	The maintenance of the structure is in good condition.



Campshed at Parambikulam



Campshed at Aralam

The works were evaluated for the physical existence and for the quality. The specifications of both camp sheds were checked by verifying the old vouchers and the estimates.

D. Gully Plugging

Sites	GPS Location	Dimensions (m)	Observations of the Evaluation Team
Gully Plugging/ Peechi/Chimony/ Pazhavalachal	N10°26'45.48" E 76°27'5.67"	10.2x1x1.7	Inspected gullies. They displayed damages which the staff mentioned was due to washing away in floods.
Gully Plugging/Peechi/ Chimmony/Vellani	N10°59'80.43" E76°35'36.7"	2.9x5.5x0.9 1.5x6.3x0.6 1.5x6x2	Inspected gullies. They displayed damages which the staff mentioned was due to washing away in floods.



Gully plugging at Chimmony

The works were evaluated for physical existence and quality. The specifications of gullies were checked by verifying the vouchers and te estimates.

Eight different activities envisaged under five components were carried out in the circle. Four new activities outside the APO were undertaken namely elephant proof trench, solar fencing, gully plugging and interior camp shed.

Overall, an amount of Rs. 47.10 lakhs was allotted to the circle which was fully utilised.

Field Director Project Tiger, Kottayam (2018–2019)

The evaluation covered four forest divisions of the circle. They include

1. Periyar East Division
2. Periyar West Division
3. Idukki WL
4. Munnar WL

Fifteen different activities were undertaken under five components in the circle. The distribution of activities is as follows.

Component	Particulars of work	Divisions
Forest and Wildlife Protection	Construction & Maintenance of check dams	Periyar West Division
	Construction of Chappath/Bridge	Periyar East Division
	Creation of Kayyalas	Periyar West Division
	Digging water holes/Ponds	Periyar West Division
	Interior Camp sheds	Idukki WL, Periyar West Division, Periyar East Division
	Maintenance of trek path/Patrolling Route	Periyar East Division
	Organising Joint Patrolling and Raids	Periyar West Division
	River Bank Stabilization	Periyar West Division
	Soil and moisture conservation / Gully Plugging	Idukki WL
	Forest Fire Management	Engaging Fire Gang
Fire Watch Station		Periyar West Division
Human Animal Interface	Creation of Elephant Proof Trench	Periyar West Division
Biodiversity Conservation	Bird survey and conservation	Periyar West Division
Capacity Building	Conducting Nature Camps	Idukki WL, Periyar West Division, Munnar WL
	Training to protective staff in batches of 20 to 30 persons (in a batch)	Periyar West Division

I. Forest and Wildlife Protection

a. Construction & Maintenance of check dams

Sites	GPS Location	Year of Construction	Dimensions (m)	Observations of the Evaluation Team
1.	N09°28'34.40" E77°05'44.60"	2018-19	9 x 0.75 x 2	Concrete work, earth work for excavation etc.,

Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range /Place	Type of current use/Observations	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Check Dam/ Uppupara /Azhutha/ PTR(West)	Activities, M-Book are verified and found its correct.	8	High

Check dams constructed were verified physically and dimensions were measured and confirmed with the vouchers/records.

- b. Construction of Chappath/Bridge: Though a Hanging Bridge was envisaged at Tamara, East Periyar, the activity could not be undertaken.

c. Creation of Kayyalas

GPS Location	Dimensions (m)	Observations of the Evaluation Team
N09°27'33.05" E76°58'.03.9"	Fountain: 1 x 26 x 0.3 Super structure: 36 x 1.3 x 1.50	Construction of stone kayyalas for forest boundary



Kayyala in Periyar (West) Division

Observations of the Evaluation Team:

Type of Assets / Division / Range / Place	Type of current use/Observations	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
Kayyalas/ Parathodu/ Azhutha/PTR(West)	Activities, M-Book are verified and found correct.	8	High

d. Digging water holes/Ponds

Sites	GPS Location	Dimensions (m)	Observations of the Evaluation Team
4 th mile near APC/Azutha/ PTR(W)	N09°29'19.01" E77°07'54.21"	11 x 3.4 x 4.2	10 ponds were created.

The ponds were created at Kaduvethanam, Thalikanam, 4th mile, and Jollymala (7). There was an increase (14.5 %) in expenditure as the activity had to be undertaken in difficult, rigid and rock like conditions.



Pond hole at Thalikanam



Pond hole at Jollymala

e. Interior Camp sheds

Sites	GPS Location	Observations of the Evaluation Team
1	N10°06'58.98" E76°41'58.87"	Providing and fixing 12mm plywood in the existing frame work. Painting of ceiling in rooms. Polishing on wood work. The structure is in good condition.
2.	N10°06'58.91" E76°42'30.36"	Spare parts such as plumbing pipes, flash washer, sockets, taps, electrical items such as lights, fans, rewinding of fan motor, water pump sets for drinking water supply were procured. The structure is in good condition.
3.	N10°06'58.91" E76°42'30.36"	Fixing of door frames and repair of windows. The structure is in good condition.
4	N09°47'41.4" E76°59'09.4"	Cement flooring of the camp shed and fixing of metal sheet, procuring kitchen utensils, and fixing solar power set-up. The structure is in good condition and maintained very well.
5	N09°26'37.9" E76°56'29.59"	Constructed interlocking and sidewall protection. Laying solid interlocking wall with cement and concrete etc. M-Book, Bills verified and found correct.
6	N09°31'57.30" E77°08'52.62"	Roofing work on the existing building. Activities, Measurement, Items, M-Book, Bills are verified and found correct.
7	N09°35'07.35" E77°18'.04.00"	Toilet and plumbing work in the campshed.

8	N09°33'47.01" E77°18'.19.9"	Purchase of electrical items such as cable wire, LED bulb, PVC pipes, drip system, junction box, MCB fixing.
9	N09°35'15.80" E77°12'.29.26"	Purchase of electrical items such as cable wire, LED bulb, PVC pipes, drip system, junction box, MCB fixing.
10	N09°34'15.74" E77°15'.57.28"	Maintenance of trenches
11	N09°31'58.67" E77°15'.39.61"	Maintenance of trenches
12	N09°34'33.61" E77°20'.12.17"	Maintenance of trenches



Campshed in Idukki Range

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range	Type of current use/Observations	Impact	Score (Low, ≤ 3, Medium > 3 to < 7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low

1.	Ovumkal /Idukki WL/Idukki WLS	Construction of toilet was undertaken.	The shed is useful for the frontline staff.	7	High
2.	Kolumba/Idukki WL/TBS	Minor repairs were undertaken. Camp shed maintained well	The shed is useful for the frontline staff.	7	High
3	Thottapura/Idukki WL/Idukki WLS	Door was replaced. Camp shed is maintained well.	The shed is useful for the frontline staff.	8	High
4	Interior Camp shed/Idukki WL/Idukki WLS	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
5	Antipoaching camp shed/ Azhuthakkadavu/ Pampaa/ PTR(West)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
6	Damsite camp shed/ Vallakkadavu range/ PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
7	Camp shed / Eravangalar/ Eravangalar / Periyar/PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
8	Anjurali camp shed/ Thekkady/ PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
9	Karadikkavala camp shed/	The shed is maintained	The shed is useful	9	High

	Thekkady/ PTR(East)	well. The shed is used during patrolling by the watchers.	for the frontline staff.		
10	Mavadi/ Periyar range/ PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
11	Senioroda/Mullathodu anti poaching camp shed/ Periyar/ PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High
12	Manalar Camp shed/Periyar /PTR(East)	The shed is maintained well. The shed is used during patrolling by the watchers.	The shed is useful for the frontline staff.	9	High



AntiPoaching Camp at Azhuthakadavu

The camp shed constructed at 12 locations were evaluated for their physical existence and the quality of the asset. The specifications of the camp shed

was checked by physical measurements and verifying the vouchers and estimates. The camp sheds are well maintained and useful to the frontline staff.

f. Maintenance of trek path/Patrolling Route

Location/ Range/ Division	GPS Location	Dimensions	Observations of the Evaluation Team
Trek Path/Kanamudiyoram / Vallakkadavu/ PTR(East)	N09°32'12.45" E77°20'.05.44"	7.5 km x 5.5 m	Bills and vouchers verified and found correct.

The activities were verified through inspection of records and found correct.



Trek Path at Kanamudiyoram

Observations of the Evaluation Team

Type of Assets/ Division / Range	Type of current use/ Observations	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low

Trek Path/ Kanamudiyoram/ Vallakkadavu/ PTR(East)	The trek path needs maintenance	5	Medium
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Inspecting the Trek Path at Kanamudiyoram

g. Organising Joint Patrolling and Raids: The activities, Measurement, Items, M-Book, Bills are verified and found its correct.

h. River Bank Stabilization

Divisions	Dimensions	Observations of the Evaluation Team
Azutha River Moolikkal area / Pampa / PTR(W)	Foundation: 8.1 m ³ Super structure : 14.49 m ³ Length: 18m Width: 18 X 0.9 X 0.5 m Height : 18 X 0.7 m	Concrete cement, bricks and dryable hard stone were used for river bank stabilization.

The activities were verified through inspection of records and found correct.



River bank stabilisation along Azutha River

i. Soil and moisture conservation / Gully Plugging

Sites	GPS Location	Dimensions (m)	Remarks
Kizhukkanam	N09°44'42.8" E76°59'09.2"	11.5 x 2 x 2 12 x 2 x 3 10 x 2 x 3 7 x 1.6 x 1.1 10 x 2 x 2.5 14 x 2 x 3	Inspected six gullies at Kizhukkanam. Floods have weakened them and needs strengthening and maintenance
Kathithappan	N09°44'26.095" E77°00'04.41"	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3 12 x 3 x 4.5	Inspected four(4) gullies. Floods have weakened them and needs strengthening and maintenance.
Vagavanam	N09°43'24.06" E76°57'23.3"	10 x 2 x 2 11 x 2 x 2.5 8.5 x 1.6 x 2.5 9 x 1.5 x 3	Inspected four(4) gullies. They displayed minimal damage. Floods have weakened them and needs strengthening and maintenance.
Vanmavu	N09°44'31.09" E76°59'09.6"	8 x 2 x 3 10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3	Inspected four(4) gullies. Two gullies are damaged and others

			need some strengthening work.
Kallekkulam	N09°43'29.08" E76°56'35.3"	9 x 1.5 x 1.2 15 x 2 x 3 11 x 1.5 x 2 8 x 2 x 3	Inspected four(4) gullies. Floods have weakened them and needs strengthening and maintenance
Vettilapara	N09°48'16.3" E77°00'14.2"	10 x 1.5 x 3 8.5 x 1.8 x 2.8 10 x 1.6 x 3 11 x 1.6 x 4 9 x 1.5 x 8	Inspected five(5) gullies. Floods have weakened them and needs strengthening and maintenance.
Matnai	N10°08'29.07" E76°40'47.25"	10 x 1.3 x 1.5 7 x 2 x 1.5 8 x 1.3 x 1.2 10 x 1.3 x 1.25 10 x 1.25 x 1.25 10 x 1.3 x 1.25 8 x 1.3 x 1.25 7 x 1 x 1 7 x 1 x 1 7 x 1 x 1	Inspected ten(10) gullies. They displayed minimal damage. Floods have weakened them and needs strengthening and maintenance.
Chettipally	N10°07'26.60" E76°42'18.68"	12 x 2 x 3 10 x 1.5 x 2 10 x 2 x 3 12 x 3 x 4.5 5 x 1.2 x 1 6 x 1.5 x 1.3 12 x 1.5 x 1	Inspected six gullies. They displayed minimal damage which the staff mentioned was due to washing away in floods.
Anjilithandu	N09°49'03.09" E76°57'25.5"	8 x 1.5 x 1.5 7 x 1.5 x 1.3 7 x 1.3 x 1.5	Inspected three gullies. Although they are intact, they have been weakened due to floods.

Under this activity, 48 gullies were created. These activities were verified physically and dimensions were measured and confirmed with the vouchers/records. Most gullies have been weakened due to floods.



Gullies from different locations in Idukki WLS

Observations of the Evaluation Team

Sl. No.	Type of Assets / Division / Range / Place	Type of current use / Observations	Impact	Score (Low, ≤ 3, Medium > 3 to < 7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Gully Plugging / Idukki WL / Idukki WLS / Idukki / Kizhukkana, Kat	The gullies were maintained in 2018-19. They have weakened due to floods.	The gullies need strengthening. Presently it	6	Medium

	hithappan Kettuchira, Vagavanam, Vanmavu, Matnai, Kallekkulam, Vettilapara, Chettipally.	Water retention is poor	is able to deliver 75 % of the envisaged impacts		
2.	Gully plugging/ Idukki WLS/ Idukki WL/ Anjilithandu	The gullies are damaged due to floods. Water retention is poor	The gully needs repairs. Presently it is only able to deliver 75 % of the envisaged impacts	5	Medium

II. Forest Fire Management

a. Engaging Fire Gang

Location / Range / Division	Activity
TBS -Urulanthanni / Idukki	Fire Gang
TBS -Urulanthanni / Idukki	Watch and Ward

III. Capacity Building

- a. Conducting Nature Camps: Five different nature camp activities on the present trend of population and movement of birds in Thattekad Bird Sanctuary and awareness programmes were organized. The files and vouchers were verified and found correct.

New Activities undertaken outside the APO

A. Eradication of Exotic weeds

Plot	GPS coordinates of the worked plot	Species	GPS coordinates of the unworked adjacent plot	Species
TBS	N10°07'47.09" E76°41'19.03"	<i>Nelumbo nucifera</i> , <i>Nymphaea nouchali</i> , <i>Cyperus sp.</i> , <i>Algae</i>	N 10°07'50.96" E 76°41'.25.69"	<i>Nymphaea nouchali</i> , <i>Asclepias curassavica</i> , <i>Digitaria sp.</i> , <i>Carex filicina</i> , <i>Ageratum conyzoides</i> , <i>Dactyloctenium aegyptium</i> , <i>Echinochloa frumentacea</i> , <i>Ludwigia perennis</i> , <i>Persicaria hydropiper</i> ,

				<i>Xanthium indicum</i> , <i>Alternanthera paronychioides</i> , <i>Cyperus sp.</i> and Algae
TBS	N10°07'46.33" E76°41'19.78"	<i>Nelumbo nucifera</i> , <i>Nymphaea nouchali</i> , <i>Cyperus sp.</i> , <i>Persicaria hydropiper</i> , Algae	N 10°07'51.97" E 76°41'.22.53"	<i>Nelumbo nucifera</i> , <i>Nymphaea nouchali</i> , <i>Ageratum conyzoides</i> , <i>Ischaemum sp.</i> , <i>Mimosa pudica</i> , <i>Ludwigia perennis</i> , <i>Alternanthera paronychioides</i> , <i>Carex filicina</i> , <i>Scleria lithosperma</i> , <i>Xanthium indicum</i> and Algae
TBS	N 10°07'48.09" E76°41'18.05	<i>Nelumbo nucifera</i> , <i>Nymphaea nouchali</i> , <i>Cyperus sp.</i> , Algae	N10°07'51.40" E76°41'19.93	<i>Hyptis suaveolens</i> , <i>Alternanthera paronychioides</i> , <i>Asclepias curassavica</i> , <i>Mimosa pudica</i> , <i>Lantana camara</i> , <i>Ageratum conyzoides</i> , <i>Echinochloa frumentacea</i> , <i>Ischaemum sp.</i> , <i>Cyperus sp.</i> and Algae
Vallakkad avu 2 mile	N09°30'23.05" E77°07'.18.73"	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> Palatable grasses	N09°31'39.34" E77°06'.45.27"	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> <i>Jasminium sp.</i> , <i>Mikania macranta</i> <i>Pteris sp.</i> , <i>Cinnamom sp.</i> , <i>Coixe sp.</i> , <i>Pupalia sp.</i> , <i>Tragia sp.</i> , <i>Pagopytum sp.</i> , <i>Mercine sp.</i> , Palatable grass
Vallakkad avu 2 mile	N 09°30'24.22" E77°07'19.20"	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> Palatable grasses	N09°31'39.34" E77°06'.43.51"	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> <i>Jasminium sp.</i> , <i>Mikania macranta</i> <i>Pteris sp.</i> , <i>Cinnamom sp.</i> , <i>Coixe sp.</i> ,

				<i>Pupalia sp.</i> , <i>Tragia sp.</i> , <i>Pagopyrum sp.</i> , <i>Mercine sp.</i> , Palatable grass
Vallakkad avu 2 mile	N09°30'26.02" E77°07'21.18	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> Palatable grasses	N09°31'39.34" E77°06'.42.41"	<i>Lantana camara</i> <i>Eupatorium perfoliatum</i> <i>Pteris sp.</i> , <i>Cinnamom sp.</i> , <i>Coix sp.</i> , <i>Pupalia sp.</i> , <i>Tragia sp.</i> , <i>Pagopyrum sp.</i> , <i>Mercine sp.</i> , <i>Jasminium sp.</i> , <i>Mikania macranta</i> Palatable grass





Aquatic weed eradication in Thattekad Bird Sanctuary

Assessment of effectiveness

Id/No.	Size/density of infestation in the worked plot	Size/density of infestation in the unworked plot	% change (+/-)	Observations of the Evaluation Team Present status – Intact/Worn out/effectiveness of work
Aquatic body-TBS	Infestation- Nil All the exotic aquatic weeds were removed. Recorded only lotus and lilies only. The algal cover is low.	28000/ High level of aquatic exotic weeds occupied in the lake. Algal cover is higher in this plot.	100	The removal of aquatic exotic weeds increased the native species of lotus and lilies and also reduced the floating algal growth. Weed eradication has been very effective in maintaining the aquatic lake.
Vallakkadavu 2 mile	Ecorestoration of Eucalyptus plantation through gridling of bark and	The plot is heavily infested.	85	same kind of treatment may be implemented in other areas which will help in protecting the

	removal of <i>Lantana camara</i> and <i>Eupatorium perfoliatum</i> found very effectitve and hardly few lantana was observed.		grasslands and improve the wildlife habitats. This treatment protects the grassland which is the main food source for wild elephants and buffalos.
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Weed Density Assessment in Vallakkadavu

B. Maintenance of trek path/Patrolling Route

Location / Range / Division	GPS Location	Dimensions	Observations of the Evaluation Team
Fireline/ Eravangalar/ Periyar/ PTR(East)	N09°35'73.05" E77°18'.04.00"	Length -7 km Width - 5 m	Clearing of ground level vegetation palatable grasses and weeds etc.,
Fireline/ Manalar / Periyar/ PTR(East)	N09°32'12.45" E77°20'.05.44"	Length -2.5 km Width - 5.5 m	Clearing of ground level vegetation palatable grasses

			and weeds etc.,
Trek Path/ Kanamudiyoram/ Vallakkadavu/ PTR(East)	N09°32'12.45" E77°20'.05.44"	Length -7.5 km Width - 5.5 m	Bills and vouchers verified and found correct.
Trench/ Eravangalar/ Eravangalar/ Periyar/ PTR(East)	N09°35'07.35" E77°18'.04.0"	L - 145 m W- 4.5 m D- 2.5 m Bottom : 1 m	Bills and vouchers verified and found correct.

The activities were verified through inspection of records and found correct.



Trek path in PTR (East)

Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10	Assessment on the quality of the asset – High, Medium, Low
1	Fireline/ Eravangalar/	The firline is maintained well.	No fire incidence for last five years	9	High

	Periyar/ PTR(East)				
2	Fireline/ Manalar/ Periyar/ PTR(East)	The firline is maintained well.	This fireline is to protect the forest, wild animals. For the last 5 years, no fire incidence was recorded. Every year the fire lines are maintained.	9	High
3	Trench / Eravangalar/ Periyar/ PTR(East)	Maintained well.	The trench is used to protect the campshed from wildlife	9	High



Trenches around campsheds

Two new activities outside the APO were undertaken. Overall, an amount of Rs. 69.10 lakhs was allotted to the circle during the period of which 96.85 percent financial achievement was observed.

Agasthyavanam Biological Park Circle, Thiruvananthapuram (2018–2019)

The evaluation covered both Shendurney and Thiruvananthapuram Wildlife Divisions of the circle. Eight different activities were undertaken in the circle.

Component	Particulars of Work	Divisions
Forest and Wildlife Protection	Construction & Maintenance of check dams	Thiruvananthapuram WL
	Construction of rain water harvesting/water retention structure	Thiruvananthapuram WL
	Creation of Kayyalas	Shendurney WL
	Interior Camp sheds	Thiruvananthapuram WL
	Maintenance of trek path/Patrolling Route	Thiruvananthapuram WL, Shendurney WL
	Soil and moisture conservation / Gully Plugging	Thiruvananthapuram WL, Shendurney WL
	Provision for elephant corridor	Shendurney WL
Forest Fire Management	Engaging Fire Gang	Thiruvananthapuram WL, Shendurney WL

Two major components were addressed during this period. Almost all the works were carried out during the period. One spillover activity from 2014-2016 was observed.

I. Forest and Wildlife Protection

a. Construction & Maintenance of check dams

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Cherrupunnathode	N08°33'42 E 77° 9'56"	2018-19	1 x 1 x 8	Since Mbook details were not provided, the year of work execution could not be verified.

The structure is good, based on the physical verification.



Observations of the Evaluation Team

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Desilting of ponds and check dams/ ABP/Kottor / Trivandrum Wildlife/ Cherrupunnathode	There is silt deposition which needs to be removed.	Siltations render the check dam inefficient.	4	Medium

b. Construction of rain water harvesting/water retention structure

Sites	GPS Location	Year of Construction	Dimensions (m)	Remarks
Kamanthikkavu	N08°36'47.2" E77°11'6.3"	2018-19	18 x 10.9 x 2	Since Mbook details were not

				provided, the year of work execution could not be verified.
Painthy	N08°36'07.56" E77°09'18.85"	2018-19	6 x 9.5 x 0.7	Since Mbook details were not provided the year of work execution could not be verified.
Karingakala	N08°36'28.9" E77°08'10.6"	2018-19	9 x 8.5 x 1.5	Mbook details were verified and found correct.
Kudilinga	N08°37'40.5" E77°11'10.5"	2018-19	6.75 x 3 x 6.75	Since Mbook details were not provided the year of work execution could not be verified.
Kunnatheri	N08°37'22.7" E77°11'56.9"	2018-19	6.75 x 3 x 6.75	Due to paucity of funds during 2014-2016, the work was carried out in the year 2018-2019. Mbook details were verified and found correct.

Observations of the Evaluation Team:

Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low

Elephant Pond/ Athirumala/ Shenduruney/ Shenduruney Wildlife	The water hole is present in a grassland area and weeds have grown around the pond. There is silt deposition and the water depth is around 2m. Desiltation is needed.	This water hole is mostly used to provide water for animals. Partially maintained.	4	Medium
Elephant Pond/ Painthi/ Kottoor/ ABP/ Thiruvananthapuram	The site is frequently visited by elephants. There is silt deposition and the depth is around 0.5m. Desiltation is needed.	This water hole is mostly used to provide water for animals. Partially maintained.	4	Medium
Elephant Pond/ Karingakala/Pulininnakala/ Shenduruney Wildlife	There is extensive weed growth around the pond. Well maintained.	This water hole is mostly used to provide water for animals.	9	High
Elephant Pond/Kudilinga/ Athirumala / Peppara /Shenduruney Wildlife	Silt and soil deposition is observed and the pond needs regular maintenance.	This water hole is mostly used to provide water for animals. Partially maintained.	7	High
Elephant Pond/Kudilinga/ Athirumala / Peppara /Shenduruney Wildlife	The pond is partially filled with soil and silt. Maintenance work needs to be done.	This water hole is mostly used to provide water for	4	Medium

		animals. Partially maintained.		
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***The elephant pond at Karingakala has been maintained very well with the structure deepened to meet the requirement of the animals.**



Water retention Structures



Elephant Pond at Karingamala

c. Interior Camp sheds

Sites	GPS Location	Dimensions (m)	Remarks
Chakkappara/ Neyyar wildlife sanctuary/ Thiruvananthapuram	N 08°30' 22" E 77°10'48"	6 x 5	Since Mbook details were not provided, the year of execution could not be verified.
Karlakkode/ Athirumala/ Peppara wildlife sanctuary/ Thiruvananthapuram Wildlife	N 08°36' 31" E 77°09'37"	2.4 x 2.6 x 1.75	Work has been completed. Mbook details were verified and found correct.

The physical condition and asset quality of the camp shed was assessed. Physical measurements and verification of vouchers and estimates were used to verify the specifications of the camp sheds.

Observations of the Evaluation Team

Sl. No.	Type of Assets / Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1.	Chakkappara / Neyyar wildlife sanctuary/ Thiruvananthapuram Wildlife	The shed is maintained well.	The shed is routinely used by the frontline staff.	7	High
2.	Karalkkode/ Athirumala/ Peppara wildlife sanctuary/ Thiruvananthapuram Wildlife	The kitchen shed was constructed using concrete bricks and cement. There is a rock basement and the roofing is done with GI sheets. The kitchen is in good condition.	The shed is routinely used by the frontline staff.	9	High



Camp Shed at Chakkappara

The works carried out for interior camp shed was verified for their existence and quality. The specifications of the camp shed were checked by verifying vouchers and the estimates and found correct.

d. Maintenance of trek path/Patrolling Route

Trek paths and partolling routes were cleared and maintained in the circle in both divisions.

Location / Range / Division	GPS Location	Year of Activity	Dimensions (m)	Remarks
Pallivasal to Dharbhakkulam	N 08° 54' 34.1'' E 77° 10' 58.2	2018-19	8100 x 2	Mbook details verified and found correct.
Vattavila to Pazhaunniattinpuram	N 08° 35' 23.1'' E 77° 7' 13.2	2018-19	2000 x 1.5	Mbook details verified and found correct.
Utharamkayam to Pulizhunthalchuna	N 08° 32' 44'' E 77° 13' 4''	2018-19	2000 x 1.5	Since Mbook details were not provided, the year of work execution could not be verified.
Bhoodhaka - Ayanimoodappu	N 08° 33' 33'' E 77° 17' 20''	2018-19	4900 x 2.5	Since Mbook details were not provided, the year of work execution could not be verified.



Inspection of trek path

Observations of the Evaluation Team:

Sl. No.	Type of Assets/ Division / Range	Type of current use/Observations	Impact	Score (Low, ≤3, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset – High, Medium, Low
1	Maintenance of trek path / Rosemala /Eettapadappu/Shenduruney/ Shenduruney Wildlife	The 6 km trek path is well maintained.	The path is used regularly by the frontline staff.	8	High
2	Maintenance of patrolling route/ Vattavila to Pazhaunniattinpuram/ ABP/ Trivandrum Wildlife	The 2 km trek path is well maintained.	The path is used regularly by the frontline staff.	8	High
3	Maintenance of patrolling route/ Utharamkayam to Pulizhunthalchuna/ Neyyar Wildlife sanctuary / Trivandrum Wildlife	The 2 km trek path is well maintained.	The path is used regularly by the frontline staff.	8	High
4	Maintenance of patrolling route/ Bhoodhaka - Ayanimoodappu/ Neyyar Wildlife sanctuary / Trivandrum Wildlife	The trek path is well maintained.	The path is used regularly by the frontline staff.	8	High

e. Soil and moisture conservation / Gully Plugging
SMC related activities (gully plugging) carried during 2018-19 were evaluated and is presented.

S. No.	GPS Location	Dimensions (m)	Remarks
1.	N08°52'29.85" E77° 7'13.87"	14.5 x 2.05 x 1.26 10 x 2.16 x 1.5 8.4 x 2.08 x 1.5 7.6 x 2.10 x 1.5	Work has been completed. However, Mbook details were not provided; hence the year

			of work execution could not be verified.
2.	N08°52'29.85" E77°07'13.87"	13 x 2.05 x 1.3 10.8 x 2.05 x 1.3	Work has been completed. However, Mbook details were not provided; hence the year of work execution could not be verified.
3.	N08° 25' 6" E77°14' 23"	9.4 x 0.85 x 1.5 6 x 0.85 x 1 5.4 x 0.85 x 1 9.4 x 0.85 x 1.5	Work has been completed. However, Mbook details were not provided; hence the year of work execution could not be verified.
4.	N08° 37' 08.2" E77° 09' 07.2"	20 x 1.25 x 0.70 11.5 x 1.2 x 0.6 11.2 x 1.25 x 0.60	Work has been completed and verified in Mbook.

Observations of the Evaluation Team:

Sl. No.	Type of Assets / Division / Range / Place	Type of current use/Observations	Impact	Score (Low, ≤, Medium >3 to <7, High 7 to 10)	Assessment on the quality of the asset - High, Medium, Low
1.	Gully plugs / Rockwood/Kalluvarambu/Shenduruney/ Shenduruney Wildlife	The gully is present across a stream. There are 4 gullies and all of them are in good condition.	The moisture content in surrounding areas is improved as is evident from the vegetation.	9	High
2.	Gully plugs / Rosemala/Moonu mukku/Kalluvarambu/Shenduruney/ Shenduruney Wildlife	There were 4 gullies of which only two exist now, the others were washed away by flood during heavy rains.	Siltation is observed in the gullies indicating erosion.	5	Medium
3.	Aananirathy/Neyyar wildlife	The condition of the gullies are	The moisture	9	High

	sanctuary/ Thiruvananthapuram Wildlife	good.	content in surrounding areas is improved as is evident from the vegetation.		
4.	Thumbithode/ Athirumala/ Peppara wildlife sanctuary/ Thiruvananthapuram	There are 8 gullies at three different locations of which three were verified. All the gullies are intact.	The moisture content in surrounding areas is improved as is evident from the vegetation.	9	High



Gully plugging in four different locations

Gullies were verified physically and dimensions were measured and confirmed with the vouchers/records. All the structures except in one location were in healthy conditions and useful in soil moisture conservation as is evident from the lush green vegetation.

In addition to the activities mentioned, the staff also mentioned creation of a chappath. Since Mbook details were not provided, the year of work execution could not be verified.

Location / Range / Division	GPS Location	Activity	Dimensions (m)	Observations of the Evaluation Team
Punnakkathode / Shenduruney / Kalluvarabu / Shenduruney Wildlife	N 8°53'16.6" E77°07'22.5"	Chappath creation	10 x 4.16 x 1.25	The structure is well maintained

In this circle it was observed that measurement books were not available to verify vouchers and estimates for many of the activities.

Eight different activities were envisaged under two major components were addressed during this period in the circle. Almost all the works were carried out during the period, except the provision for elephant corridor. Only one spillover activity from 2014-2016 was observed.

Overall, an amount of Rs. 54.30 lakhs was allotted to the circle during the period of which 81.58 percent financial achievement was observed.

Social Forestry Southern Range, Kollam (2018 – 2019)

Four different activities under two components were undertaken in the circle. The distribution of activities is as follows:

Component	Particulars of work	Districts
Compensatory Afforestation Funds	Preparatory work for setting up Permanent Nursery	Kollam and Kottayam
	Setting up Permanent Nursery Works	Thiruvananthapuram and Pathanamthitta
Biodiversity Conservation	Bird survey and conservation	Kollam, Pathanamthitta
	Sea Turtle Conservation	Alappuzha

I. Compensatory Afforestation Funds

a. Preparatory work for setting up Permanent Nursery

In Kollam, funds were surrendered to Headquarters as the division has an established nursery (documents were verified). Seedlings were produced and distributed to schools and public for planting during World Environment day.

In Kollam, polyhouse and compost mixing unit were established at Kottayam Aranya Bhavan, Forest complex Govt Timber Depot.

Construction of Poly House:

- i. Total Plinth Area - 80 m²(10 x 8 m)
- ii. Structure was constructed with 50mm,40mm, 32mm, 25mm & 20mm GI Pipes
- iii. Height of Structure - 2.50 m
- iv. Height of Roofing - 1.70 m
- v. Roofing is done with White UV Film
- vi. Aluminum Stand - 3.00m x 1.20m x 1m (12 Nos)



Compost Mixing Unit & Net Fencing around Central Nursery:

- a) Total Plinth Area - 12.96m²(3.6 x 3.6 m)
- b) Structure was constructed with 60mm GI Pipe
- c) Electrification had been done
- d) Height of Structure - 2.70 m
- e) Roofing is done with 0.35 mm GI Sheet with projection of 0.6m away from flooring.
- f) Foundation was done with RR Masonry

Documents and structures were verified physically. The dimensions were measured and confirmed with the vouchers/records.

b. Permanent Nursery works

S.No	Location	Items	Dimensions
1	Poojapura/ Thiruvanantha puram (N 11.01782, E 76.95147)	Construction of Rain Shelter	150m ² (10 x 15 m)
2		Construction of Shade Net House	235m ² (9 x 15 m)
3		Construction of Poly House	300m ² (30 x 10 m)
4		Construction of Potting Mixture Shed, Storage Shelter, Work Shed for Labour	157.5m ² (17.5 x 9 m)
5		Chain Link Fencing with Angle Post	400m
6		Clearing and Levelling	960 m ³
7		Earth Work Excavation & Tree Cutting	60 m ³
8		Laying of Interlocking Pathway	338.92 m ²
9		Construction of Semi-Permanent Office Building	69.60m ² (9.47 x 7.35 m)
10		Beautification of District Permanent Nursery, Tools and Machineries	Hand Trowel, Wheel Barrow, Secateur, Brush Cutter, Weed Control Sheet
11		Irrigation System, Providing Electricity Supply, Providing of Electrification and Lighting, Construction of Overhead Tank	10.56m ² (5.15 x 2.05 m)

These activities were verified physically and dimensions were measured and confirmed with the vouchers/records.



In Pathanamthitta Division (N09.16611, E 76.98500), Vazhappara, the following were undertaken.

- i. Providing chain linked fencing around the nursery area, Leveling and clearing the proposed site
- ii. Renovation of building for store room, Renovation of existing building for front office cum interpretation centre including interpretation centre furnishing
- iii. Construction of shade house, Construction of rain shelter, Repair of damaged poly house, Construction of compost unit and potting media mixing unit
- iv. Construction of toilet block
- v. Making road and inspection path,
- vi. Purchase of machines for weeding, sieving, chopping, mixing etc.
- vii. Purchase of root trainers (45000, tray and metal frame)
- viii. Maintenance of existing well, construction of new pond, 3HP motor pump, overhead tank of 20000 litres, pump house and plumbing work.
- ix. Beautification and boards
- x. Engaging a protection mazdoor for the upkeep of nursery, Construction of retaining wall, Construction of labour shed by renovating existing damaged building:
- xi. Construction of gates (Entrance and Exit)
- xii. Contingencies such as electric connection, solar lighting, procurement of computer, furniture etc.



These activities were verified physically and dimensions were measured and confirmed with the vouchers/records.

II. Biodiversity Conservation

a. Bird survey and conservation

Sr.No.	Division	Location	Remarks
1	Kollam	GHS Sasthamkotta	Records were verified
2	Alappuzha (Special campaign on house sparrows)	Chenganur, Kayamkulam, Edathuva, Alapuzha and Cherthala	
3	Pathanamthitta	GHS Kulathupuzha	

b. Sea Turtle Conservation

Sr.No.	Division	Location	Remarks
1	Alappuzha	Pallana near Thottappalli Maradikulam Attingal	Records were verified

The staff mentioned that due to paucity of funds for providing wages to the personnel engaged in Sea Turtle conservation, the conservation activity could not be implemented successfully.

Overall, an amount of Rs. 234 lakhs was allotted to the circle with a financial achievement of 92.45 per cent.

Social Forestry Central Range, Eranakulam (2018 – 2019)

Three different activities were undertaken in the circle. The distribution of activities is as follows:

Component	Particulars of work
Forest Fire Management	Engaging Fire Gang
Biodiversity Conservation	Bird survey and conservation Sea Turtle Conservation

I. Forest Fire Management

a. Engaging Fire Gang

Work Details	Ranges
Fire awareness programme	KFS
Coffee mug printed with fire awareness message	Arattukadavu VSS Kaprikkad VSS Panamkuzhy VSS Alattuchira
Engaging fire watchers	Kurisumudy

The activities were verified through inspection of records and found correct.

II. Biodiversity Conservation

a. Bird survey and conservation

S.No	Bird Conservation	Locations
1	Bird awareness camp	Samuham HSS, Paravur
2	Bird awareness camp	VHSS, Kaitharam
3	Bird conservation	Providing water drinking pots for birds in summer season

b. Sea Turtle Conservation

S.No	Turtle Conservation & Awareness	Locations
1	Awareness camp	KMEA college, Pookattupadi
2	Turtle Conservation	Printing the picture of turtle on mugs
3	Awareness camp	MES Marampilly
4	Awareness camp	Hithayath Islam HSS, Edavanakkadu
5	Awareness campaign	Pamphlets and brochures on Kadalama to students
6	Conservation Activities	Pappaly- Andathode Beach

The following four new activities outside the APO were undertaken

A. Distribution of Seedlings

- Vetiver seedlings were raised for river bank stabilization in Vazhathoppe, Kattappana and Idukki ranges. VSS were involved in river bank stabilization in Kaprikkad and Arattukadavu.
- Seedlings were distributed to Panchayats, Schools, Govt. Institutions, NGOs.
- A cage for Sambar deer was constructed in Kaprikkad range while snake catching equipment were procured for Thodupuzha, Kattappana, Peerumade and Munnar ranges.

B. Fire Awareness Campaign

The SF wing also implemented various fire awareness programmes. These were a part of the spillover activities of 2014-18.

Details of the programme	Location
Forest fire awareness camp	Govt. HS Vattavada
Forest fire awareness camp	Govt. UP School Chempan Kuzhi
	Govt. UP Parekkavala
Cleaning camp	Philomina School Upputhara in SF Range, Peerumade
Fire banners fixing	All fire sensitive areas
Mass Rally Programme	General public
Forest fire awareness camp	Ernakulam
Forest fire awareness camp	Silent valley

The activities were verified through inspection of records and found correct.

C. Plant diversity

The Social Forestry Division was also involved in the production and maintenance of seedlings of various species as detailed below.

Name of the species	Range	Seedlings produced
Big basketed Nakshathravanam Seedlings	Chalakydy, Social Forestry Range	1350
Medicinal Species Seedlings (Dasapushpam, Thripala etc.)	Chalakydy, Social Forestry Range	5000
Mangrove seedlings	Peringnad, SFR Thrissur	5000
Mulching with coconut husk for miscellaneous species	Pazherikkandam-Blathykkavala	150

Vouchers were verified and found correct. The seedlings were distributed to Panchayats, Schools, Govt. Institutions, NGOs.

A Nature and Fire Awareness Programme was conducted in all ranges of the circle. A training on forest code and office procedures for RFOs and SFOs of central circle was also imparted.

D. Avenue Planting

Avenue Planting was undertaken along Vengallur- Kollam Road during 2018 in Thodupuzha range covering a distance of 3km.

GPS coordinates of centre of plot	Species	No. of plants planted	Condition of plants		Avg. height of live plants (in m.)	Avg. collar girth (in cm)
			No. of live plants	No. of dead plants		
N09°54'26.60" E76°40'07.30"	Elanji	90	81	9	4.04	29.82
N09°54'24.40" E76°42'06.40"	Manimaruthu					
N09°54'20.10" E76°42'01.20"	Aryaveppu					
N09°54'03.00" E76°41'54.20"	Kambakom					

Other Activities include construction of nursery shed at central nursery Kudayathoor in Thodupuzha SF Range.

Overall, an amount of Rs. 4.63lakhs was allotted to the circle which was fully utilised.

Social Forestry, Northern Region, Kozhikode (2018–19)

The CAMPA activities undertaken at Kasargode, Kannur, Wayanad and Kozhikode especially for students includes environmental protection, fire awareness programme, fire awareness campaign rally, planting of medicinal plants, river bank cleaning and rain water harvesting. Permanent nursery expected to be established at Malappuram as per the APO has been shifted to 2020-21. The evaluation team verified all the related documents, such as expenditure vouchers and photographs.

Kasargode: At the GHSS, Kasargode, activities such as was conducted in school surrounding areas with 69 participants. School teachers provided information during the survey and produced relevant photographs and documents. GHSS, Iriyani organized different activities utilizing CAMPA fund. The activities includes the, vegetable crops occupying 4 cents areas inside the school campus, mother bed preparation of bamboo, distribution of excess seedlings to the villagers and local people which was verified and found correct. The Government Higher Secondary School at Panathady (Balanthode) had done, protection of seedlings and fire awareness rally with 50 students as a part of fire awareness programme. Photos and vouchers were verified. All the 10 sites of Kasargode district where activities related to nature conservation and awareness generation were surveyed and documents verified. Vouchers were tallied.

Kannur: Two social forestry ranges namely Kannur and Thalassery with the support of schools conducted fire awareness campaigns in the form of bike and cycle rallies. Nature camps were also conducted in different Schools and towns. Seven sites were surveyed regarding fire awareness campaign in Kannur district. The Government Tribal UP School at Kannavam organized fire awareness rally with 122 student participants. Relevant photos of the programme were produced during the survey. Another fire awareness camp took place in Kannavam Town with 400 participants organized by forest officials. The Santhome Higher Secondary School at, Kolakkad organized rally with 60 participants. All related documents were verified and work was found satisfactory.

Wayanad: Fire awareness campaigns were organized in nine sites of the Wayanad district by three social forestry divisions namely Mananthavady, Sulthan bathery and Kalpetta. Activities carried out were rallies and workshops arranged by schools, colleges, public library, civil station and sport club in various locations. Civil Station at Kalpatta conducted one day Fire awareness programme. The organizers produced necessary documents during the evaluation.

Kozhikode: Seven sites under four social forestry ranges namely Vadakara, Koyilandy, Thamarassery territorial and Kozhikode organized activity like fire awareness campaign in schools and Vana Samrekshan Samities in different locations of the district. Vana Samrakshan Samiti at Vanaparvam organized

one day awareness camp on 'the mitigation of Man - animal conflict' with VSS members where nearby school students and local people participated. Same year St. Joseph High School organized the one day fire awareness camp with 80 participants. Higher Secondary School, Kallachi also took part in the campaign in same year with same strength of student participants.

Malappuram: The district was expected to set up a Permanent Nursery as per the APO. Civil works for the Permanent nursery in Mathottam forest office were shifted to 2020-21.

Overall, an amount of Rs. 10 lakhs was allotted to the circle during the period which was fully utilised.

4. RECOMMENDATIONS AND SUGGESTIONS

The proposed evaluation had multiple objectives. *Inter alia*, this evaluation examined the impact of various activities in terms of increase in vegetation spread, soil and water conservation measures, infrastructure development, capacity building and the extent to which the objectives of CAMPA were achieved. The qualitative data were used to support further analysis of variations across regions and categories. The following are the recommendations and suggestions arising out of this present monitoring and evaluation of CAMPA activities in Kerala

- (a) Soil & Water Conservation (SWC) Works: Most SWC works carried out in the forest areas are effective. The SMC activities, in most places, have increased the vegetation, indicating the moisture retention impacts. However, certain SWC structures are very crucial as they connect different ranges within a division. Such chappaths deserve special attention.
- (b) Due to heavy flooding, heavy wear and tear was observed in most SMCs. The depth and width of rivers has increased in many sections. Such SMCs need to be replaced with concrete structures. Most of the water-holding structures are old, and not capable of holding water to the designed potential. Such structures may be reworked.
- (c) The river stabilisation process in many circles could be encouraged in the coming years as severe erosion was observed in many stretches.
- (d) Regional and State level workshop could be organized for prioritisation of species for Afforestation/Enrichment planting in the forest areas by involving local communities, field staff of SFDs, Forestry Research institutions, NGOs and other stakeholders.
- (e) Technical support can be obtained from Forestry Research institutions for transferring/developing seed handling techniques and nursery technologies for indigenous species prioritized for Afforestation / Enrichment planting.

- (f) In remote locations and in locations with high damages to the planted seedlings by wild animals, manual seeding of indigenous species using “Seed Ball Technologies” could be attempted.
- (g) Maintenance costs should be linked to survival rates and strict guidelines should be framed regarding replanting in failed sites.
- (h) Protection measures were not effective in many places. It is essential to provide maintenance provisions for five years so that the purpose is well achieved.
- (i) Fodder Plantations should be prioritised in elephant corridors which would act as deterrents to their entry into human-habitation.
- (j) Protection of Forests and Wildlife: Anti-Poaching Camps (APC) have been established throughout the state in almost all divisions. The APCs are sufficiently equipped with staff and modern equipment for protection activities. There is a need to regularly support the staff with protective gears and field survival kits.
- (k) GIS-based forest survey monitoring has been attempted in the state. The staff report that this has helped prevent, contain and douse forest fires in many places. All staff have to be provided basic training in the use of advanced methods of monitoring for protection. The procedures of fire management / fire protection can be extended to the forest fringe area inhabitants in addition to school/ college students.
- (l) Provisions need to be made in the budget for procuring more field vehicles, as a dearth in availability of these was observed.
- (m) In almost all divisions, the maintenance of buildings, roads, SMCs are taken up regularly. A fixed cycle could be adopted for maintenance and repair of civil works, rather than taking a routine annual maintenance.
- (n) A decentralised allotment to the social forestry wings may be thought of, to meet the local needs for each division.
- (o) Incentives to temporary staff associated with the department’s activities for more than ten years.
- (p) Digitisation of records would enable easy access to information.
- (q) Internal evaluation needs to be strengthened and a database must be established to monitor the changes. This would enable regular

assessment of seasonal works like protection camps, fire protection works etc. Further, this report should also be made available during third party monitoring and evaluation.

- (r) Permanent structures created under CAMPA should be displayed/indicated through suitable markings to ensure proper visibility of CAMPA-funded activities.

ANNEXURES

Annexure I

Minutes of meeting
Third Party Evaluation of State CAMPA Activities in Kerala
23rd November 2021
Venue: VC Hall, IFGTB

Participants:

IFGTB	Kerala Forest Department
Dr. C. Kunhikannan, Director IFGTB	Shri. Rajeesh Ravindran IFS, CEO
Dr. R. Yasodha, Scientist G & GCR	CAMPA & APCCF
Dr. JP Jacob, Scientist G – <i>on leave</i>	Ms P. T. Sreelekha, ACF, SA&NO,
Shri. Rajesh Gopalan IFS - <i>online</i>	CAMPA
Dr. C. Buvaneshwaran, Scientist F	
Dr. Kannan CS Warriar, Scientist F	
Dr. A. Karthikeyan, Scientist F	
Dr. D.R.S. Sekar, Scientist F – <i>not attended</i>	
Dr. Rekha R Warriar, Scientist F	
Dr. S. Saravanan, Scientist F	
Dr. A. Rajasekaran, Scientist F	

An online meeting was held on 23rd November 2021 at 10.00 am to discuss the modalities of third party evaluation of CAMPA-related works undertaken in Kerala by Kerala Forest Department.

Under CAMPA, various activities have been taken up to accelerate preservation of natural forests, management of wildlife, infrastructure development in the sector and other allied works.

Shri Rajesh Ravindran, CEO-CAMPA listed the different circles where CAMPA activities have been taken up. He sought evaluation of different protection activities, labour deployed for watch and ward, fire protection, and site suitability, especially regarding

ecorestoration of monoculture plantations, the species planted and their performance, etc.

Dr. S. Saravanan, Scientist F, presented the need for third-party evaluation to assess the various activities taken under State CAMPA. He elaborated on the requirements of the National CAMPA Authority concerning the monitoring while carrying out the evaluation. He also detailed the methodology for the evaluation process and the extent of sampling for the different activities taken under CAMPA based on the guidelines provided by the IIFM, Bhopal with necessary modifications. He also informed that IFGTB has experience working towards the evaluation of NAP of the NAEB in Kerala and providing consultancies to various industries. A team has been formed for the execution of the work.

This was followed by a discussion on the modalities for execution of the evaluation. The following points emerged.

1. An MoU would be signed between the Kerala Forest Department and IFGTB towards the activity. IFGTB would complete the evaluation within a period of six months from the date of release of funds.
2. State CAMPA would provide information, plantation journals, maps, measurement books, and all relevant records pertaining to the CAMPA works from 2009 to the present. Co-ordination in the state, local travel, lodging, and field support of personnel would also be provided by the Department.
3. The Department looks forward to APO-wise reports. Thus, six reports are envisaged at the end of the evaluation.
4. The sampling intensity was agreed upon.
5. A proposal including financial requirements and draft MoU would be sent to the CEO-CAMPA for perusal.
6. The CEO-CAMPA would visit IFGTB during the last week of November, 2021 for a detailed discussion and finalising the proposal.

Annexure II

Timelines of the Evaluation

Milestone	Activity
September 2021	Identification of IFGTB for Third party Monitoring
November 2021	Finalisation of activities under the Third Party Monitoring
January 2022	Acceptance of Project proposal of IFGTB for Monitoring & Evaluation of CAMPA activities in Kerala . Approval of the MoU.
March 2022	Signing of the MoU and Release of the First Instalment
April to June 2022	Field works
July to September 2022	Report preparation
September 2022	Release of the Second Instalment
October 2022	Submission of Final Report

Annexure III

APO-wise components implemented in various Circles

Components	Particulars
Biodiversity Conservation	Bird survey and conservation
	Eradication of Exotic weeds/Obnoxious weeds
	Sea Turtle Conservation
Capacity Building	Conducting Nature Camps
	Training and workshops
	Training to protective staff in batches of 20 to 30 persons (in a batch)
	Awareness Program
Compensatory Afforestation Funds	Compensatory Afforestation Works
	Preparatory work for setting up Permanent Nursery in 2 Districts
	Setting up Permanent Nursery
	Setting up Permanent Nursery Works (Balance work)
Forest and Wildlife Protection	Better connectivity including bridges roads communications
	Construction & Mtce of check dams
	Construction of Chappath/Bridge
	Construction of rain water harvesting/water retension structure
	Creation of Kayyalas
	Digging water holes/Ponds
	Interior Camp sheds
	Mtce of trek path/Patrolling Route
	Organising Joint Patrolling and Raids
	River Bank Stabilization
	Soil and moisture conservation / Gully Plugging
Forest Fire Management	Engaging Fire Gang
	Fire Watch Station
Human Animal Interace	Creation of Elephant Proof Trench
	Preparation of detailed GIS based system for managing Human animal interface
	Provision for elephant corridor
Infrastructure Development	Providing basic infrastructure to tribal settlement

Annexure IV

Monitoring and evaluation teams

Teams	1	2	3	4	5
Region	Southern Circle, Kollam (1)	Southern Circle, Kollam (2)	High Range Circle, Kottayam (1)	High Range Circle, Kottayam (2)	FD PT, Kottayam (1)
Team Co-ordinators (Dr/Mr/Ms)	C. Buvaneswaran	Rekha R Warriar	Kannan CS Warriar	K. Murali Shankar	S. Saravanan
Team Leaders (Dr/Mr/Ms)	A. Balasubramanian	R. Sumathi	K. Gireesan	A. Mayavel	S.P. Subramani
Member	N. Sivadasan	L.Vivek	K. Sureshkumar	J. Soosairaj	K. Senthil
Member	V. Mareeswaran	S. Sudha	K. Gopalakrishnan	P. Vignesh	M. Suryaprakash
Member	S.S. Abijith	R.G. Anitha	T. Pradeep	K.R. Shankar	R.Ariharasuthan
Member			C. Muthumanikam	M. Vishnu	M. Mahalingam
Team Co-ordinator (KFD)	Fen Antony, ACF	Fen Antony, ACF	KS Subash, ACF	Subash, ACF	Sandeep.S, ACF

Teams	6	7	8	9	10
Region	FD PT, Kottayam (2)	ABP	Social Forestry, Southern Region, Kollam	Central Circle, Thrissur	Social Forestry, Central Region, Thrissur
Team Co-ordinators (Dr/Mr/Ms)	N.V. Mathish	A. Rajasekaran	A.C. Surya Prabha	D. Raja Suguna Sekar	J. Sriram
Team Leaders (Dr/Mr/Ms)	S.P. Subramani	Muhammad Ali Noushad	P. Chandrasekar	B. Deeparaj	A. Mayavel
Member	K. Senthil	P. Manoharan	J. Soosairaj	P. Malliga	R. Abinaya
Member	M. Suryaprakash	L. Mahalingam	P. Vignesh	S. Pragadeesh	C.V. Vijayam
Member	R.Ariharasuthan	S. Selvakumar	K.R. Shankar	R. Kalaiselvi	R. Sathishkumar
Member	M. Mahalingam	N. Vijayanand	M. Vishnu	C. Thamocharan	Rudranath, V.R.
Team Co-ordinator (KFD)	Sandeep.S, ACF	Ajith.N , ACF	Rohini. GR, ACF	V.P. Jayaprakash, ACF	Chinnu Janardhanan, ACF

Teams	11	12	13	14	15
Region	Social Forestry, Northern Region, Kannur	Northern Circle, Kannur	Eastern Circle, Palakkad	Wildlife, Palakkad	Research Division N and S, & Headquarters
Team Co-ordinators (Dr/Mr/Ms)	Madhavraj G. R	A. Karthikeyan	Rekha R Warriar	Rekha R Warriar	JP Jacob
Team Leaders (Dr/Mr/Ms)	K.N. Ashirth	R. Archana	S.Lalitha	A. Shanthi	K. Shanthi & Muhammad Ali Noushad
Member	Srijita Ganguly	C. Rajesh	M. Ganesan	R. Velumani	M.V.Vineetha
Member	M. Jeyakumar	S.M. Paulraj	N. Sudha	A. Sathish	P. Vipin
Member	V. Abirami	Remya T Radhan	Mishra Avinash	K. Rajasekaran	C. Kandasamy
Member	C.K. Suresh	M. Manikandan	S. Ajay		T. Govindaraj
Team Co-ordinator (KFD)	Sunil Kumar. K, ACF	Ajith K Raman, ACF	K. Manoj, ACF	Sanall.P., ACF	Adersh.M, ACF

Report Preparation

Dr C. Kunhikannan, Director
 Dr R. Yasodha, Scientist G & GCR
 Dr Rekha R Warriar, Scientist F

Editorial Assistance

Mrs R. Sumath, Chief Technical Officer

ANNEXURE XII
KERALA FOREST DEPARTMENT

BUDGETORY ALLOCATION UNDER VARIOUS SCHEMES DURING 2022-23 (Rs in lakhs)

Sl. No.	Name of Scheme/Head of Account	Finanacial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A. STATE SECTOR SCHEMES																		
I	Management of Natural Forests																	
1	Forest Protection (2406-01-101-81)	2600.000	-	2600.000			2600.000	-	2600.000	2600.000	-	2600.000	1378.000	-	1378.000	1322.521	95.97	50.87
2	Forest Protection (Survey of Forest Boundaries & Forest Protection) (4406-01-101-99)	2800.000	-	2800.000			2800.000	-	2800.000	2800.000	-	2800.000	1330.280	-	1330.280	1176.318	88.43	42.01
3	Regeneration of Denuded Forest (2406-01-101-94)	300.000	-	300.000			300.000	-	300.000	300.000	-	300.000	66.360	-	66.360	52.498	79.11	17.50
4	Non-wood Forest Produce Including Promotion of Medicinal Plants (2406-01-101-80)	200.000	-	200.000			200.000	-	200.000	200.000	-	200.000	76.820	-	76.820	49.492	64.43	24.75
	Sub Total (I)	5900.000	0.000	5900.000			5900.000	0.000	5900.000	5900.000	0.000	5900.000	2851.460	0.000	2851.460	2600.829	91.21	44.08
II	Improving Productivity of Plantations																	
1	Hard Wood Species (4406-01-105-87) (01)	500.000	-	500.000			500.000	-	500.000	500.000	-	500.000	241.100	-	241.100	232.370	96.38	46.47
2	Industrial Raw Materials (4406-01-105-87) (02)	200.000	-	200.000			200.000	-	200.000	200.000	-	200.000	47.240	-	47.240	22.705	48.06	11.35
	Sub Total (II)	700.000	0.000	700.000			700.000	0.000	700.000	700.000	0.000	700.000	288.340	0.000	288.340	255.075	88.46	36.44
III	Infrastructure Development																	
1	Roads (4406-01-070-99)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000	196.000	-	196.000	187.810	95.82	46.95
2	Building (4406-01-070-97)	400.000	-	400.000			400.000	-	400.000	400.000	-	400.000	256.120	-	256.120	247.205	96.52	61.80

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		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Sub Total	800.000	0.000	800.000			800.000	0.000	800.000	800.000	0.000	800.000	452.120	0.000	452.120	435.015	96.22	54.38
IV	Eco-Tourism (4406-01-800-91)	700.000	-	700.000			700.000	-	700.000	700.000	-	700.000	371.000	-	371.000	342.939	92.44	48.99
V	Human Resource Development (2406-01-003-97)	350.000	-	350.000			350.000	-	350.000	350.000	-	350.000	185.500	-	185.500	167.455	90.27	47.84
VI	Resource Planning & Research (2406-01-004-92)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000	99.540	-	99.540	99.384	99.84	66.26
VII	Forest Management Information System & GIS (2406-01-800-57)	150.000	-	150.000			150.000	-	150.000	150.000	-	150.000	79.500	-	79.500	51.985	65.39	34.66
VIII	Extension Community Forestry & Agro Forestry (2406-01-800-55)	1000.000	-	1000.000			1000.000	-	1000.000	1000.000	-	1000.000	530.000	-	530.000	493.606	93.13	49.36
IX	Eco-Tourism - Project Green Grass (2406-01-800-52)	108.000	-	108.000			108.000	-	108.000	108.000	-	108.000	57.240	-	57.240	47.290	82.62	43.79
X	Works with assistance from RIDF (4406-01-800-90)	3500.000	-	3500.000			3500.000	-	3500.000	3500.000	-	3500.000	2130.450	-	2130.450	1560.700	73.26	44.59
XI	Measures to reduce Man Animal conflict (2406-01-800-56)	2500.000	-	2500.000			2500.000	-	2500.000	2500.000	-	2500.000	1325.000	-	1325.000	1305.652	98.54	52.23
XII	Zoological Park at Puthur, Thrissur (2406-02-110-48)	600.000	-	600.000			600.000	-	600.000	600.000	-	600.000	145.800	-	145.800	16.123	11.06	2.69
XIII	Elephant Rehabilitation Centre at Kappukkad near Kottoor (2406-02-110-29)	100.000	-	100.000			100.000	-	100.000	100.000	-	100.000	53.000	-	53.000	34.638	65.35	34.64
XIV	Conservation of Biodiversity (2406-02-110-68)	1000.000	-	1000.000			1000.000	-	1000.000	1000.000	-	1000.000	530.000	-	530.000	496.270	93.64	49.63
XV	Eco Development Programme (2406-02-110-56)	375.000	-	375.000			375.000	-	375.000	375.000	-	375.000	198.750	-	198.750	158.524	79.76	42.27
	SUB TOTAL (A)	17933.000	0.000	17933.000			17933.000	0.000	17933.000	17933.000	0.000	17933.000	9297.700	0.000	9297.700	8065.485	86.75	44.98
B	SCHEMES HAVING 60:40 SHARES BETWEEN CENTRE AND STATE																	

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Integrated Development of Wildlife Habitats																	
i	Management of Wildlife Sancturries																	
1	Neyyar Wildlife Sanctuary (2406-02-110-28) (01)	-	55.500	55.500			-	55.500	55.500	0.000	0.000	0.000	0.000	23.865	23.865	9.430	0.00	16.99
	Neyyar Wildlife Sanctuary (2406-02-110-28) (02)	37.000	-	37.000			37.000	-	37.000	0.000	0.000	0.000	19.610	0.000	19.610	11.100	56.60	30.00
	Subtotal	37.000	55.500	92.500			37.000	55.500	92.500	0.000	0.000	0.000	19.610	23.865	43.475	20.530	47.22	22.19
2	Wayanad Wildlife Sanctuary (2406-02-110-27) (01)	-	120.000	120.000			-	120.000	120.000	0.000	0.000	0.000	0.000	63.600	63.600	15.420	0.00	12.85
	Wayanad Wildlife Sanctuary (2406-02-110-27) (02)	80.000	-	80.000			80.000	-	80.000	0.000	0.000	0.000	42.400	0.000	42.400	14.400	33.96	18.00
	Subtotal	80.000	120.000	200.000			80.000	120.000	200.000	0.000	0.000	0.000	42.400	63.600	106.000	29.820	28.13	14.91
3	Idukki Wildlife Sanctuary (2406-02-110-26) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	10.370	0.00	17.28
	Idukki Wildlife Sanctuary (2406-02-110-26) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	9.600	55.81	24.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	19.970	46.44	19.97
4	Peechi, Vazhani (2406-02-110-25) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	11.990	0.00	19.98
	Peechi, Vazhani (2406-02-110-25) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	12.000	69.77	30.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	23.990	55.79	23.99
5	Peppara Wildlife Sanctuary (2406-02-110-24) (01)	-	48.000	48.000			-	48.000	48.000	0.000	0.000	0.000	0.000	20.640	20.640	10.280	0.00	21.42
	Peppara Wildlife Sanctuary (2406-02-110-24) (02)	32.000	-	32.000			32.000	-	32.000	0.000	0.000	0.000	16.960	0.000	16.960	9.600	56.60	30.00
	Subtotal	32.000	48.000	80.000			32.000	48.000	80.000	0.000	0.000	0.000	16.960	20.640	37.600	19.880	52.87	24.85
6	Shendurney Wildlife Sanctuary (2406-02-110-23) (01)	-	60.000	60.000			-	60.000	60.000	0.000	0.000	0.000	0.000	25.800	25.800	10.880	0.00	18.13
	Shendurney Wildlife Sanctuary (2406-02-110-23) (02)	40.000	-	40.000			40.000	-	40.000	0.000	0.000	0.000	17.200	0.000	17.200	12.000	69.77	30.00
	Subtotal	40.000	60.000	100.000			40.000	60.000	100.000	0.000	0.000	0.000	17.200	25.800	43.000	22.880	53.21	22.88

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		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
7	Chimmony Wildlife Sanctuary (2406-02-110-22) (01)	-	52.500	52.500			-	52.500	52.500	0.000	0.000	0.000	0.000	22.575	22.575	10.880	0.00	20.72
	Chimmony Wildlife Sanctuary (2406-02-110-22) (02)	35.000	-	35.000			35.000	-	35.000	0.000	0.000	0.000	18.550	0.000	18.550	10.500	56.60	30.00
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	0.000	0.000	0.000	18.550	22.575	41.125	21.380	51.99	24.43
8	Aralam Wildlife Sanctuary (2406-02-110-21) (01)	-	52.500	52.500			-	52.500	52.500	0.000	0.000	0.000	0.000	22.575	22.575	10.930	0.00	20.82
	Aralam Wildlife Sanctuary (2406-02-110-21) (02)	35.000	-	35.000			35.000	-	35.000	0.000	0.000	0.000	18.550	0.000	18.550	10.500	56.60	30.00
	Subtotal	35.000	52.500	87.500			35.000	52.500	87.500	0.000	0.000	0.000	18.550	22.575	41.125	21.430	52.11	24.49
9	Chinnar Wildlife Sanctuary (2406-02-110-20) (01)	-	39.000	39.000			-	39.000	39.000	0.000	0.000	0.000	0.000	20.670	20.670	9.680	0.00	24.82
	Chinnar Wildlife Sanctuary (2406-02-110-20) (02)	26.000	-	26.000			26.000	-	26.000	0.000	0.000	0.000	13.780	0.000	13.780	7.800	56.60	30.00
	Subtotal	26.000	39.000	65.000			26.000	39.000	65.000	0.000	0.000	0.000	13.780	20.670	34.450	17.480	50.74	26.89
10	Thattekkad Birds Sanctuary (2406-02-110-19) (01)	-	34.500	34.500			-	34.500	34.500	0.000	0.000	0.000	0.000	18.285	18.285	7.650	0.00	22.17
	Thattekkad Birds Sanctuary (2406-02-110-19) (02)	23.000	-	23.000			23.000	-	23.000	0.000	0.000	0.000	12.190	0.000	12.190	6.900	56.60	30.00
	Subtotal	23.000	34.500	57.500			23.000	34.500	57.500	0.000	0.000	0.000	12.190	18.285	30.475	14.550	47.74	25.30
11	Mangalavanam Birds Sanctuary (2406-02-110-18) (01)	-	12.000	12.000			-	12.000	12.000	0.000	0.000	0.000	0.000	6.360	6.360	3.750	0.00	31.25
	Mangalavanam Birds Sanctuary (2406-02-110-18) (02)	8.000	-	8.000			8.000	-	8.000	0.000	0.000	0.000	4.240	0.000	4.240	2.640	62.26	33.00
	Subtotal	8.000	12.000	20.000			8.000	12.000	20.000	0.000	0.000	0.000	4.240	6.360	10.600	6.390	60.28	31.95
12	Kurinjimala Sanctuary (2406-02-110-17) (01)	-	18.000	18.000			-	18.000	18.000	0.000	0.000	0.000	0.000	9.540	9.540	3.490	0.00	19.39
	Kurinjimala Sanctuary (2406-02-110-17) (02)	12.000	-	12.000			12.000	-	12.000	0.000	0.000	0.000	6.360	0.000	6.360	3.000	47.17	25.00
	Subtotal	12.000	18.000	30.000			12.000	18.000	30.000	0.000	0.000	0.000	6.360	9.540	15.900	6.490	40.82	21.63
13	Choolannur Peacock Sanctuary (2406-02-110-16) (01)	-	15.000	15.000			-	15.000	15.000	0.000	0.000	0.000	0.000	7.950	7.950	3.050	0.00	20.33
	Choolannur Peacock Sanctuary (2406-02-110-16) (02)	10.000	-	10.000			10.000	-	10.000	0.000	0.000	0.000	5.300	0.000	5.300	3.000	56.60	30.00

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		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
	Subtotal	10.000	15.000	25.000			10.000	15.000	25.000	0.000	0.000	0.000	5.300	7.950	13.250	6.050	45.66	24.20
14	Malabar Sanctuary (2406-02-110-15) (01)	-	25.500	25.500			-	25.500	25.500	0.000	0.000	0.000	0.000	13.515	13.515	6.750	0.00	26.47
	Malabar Sanctuary (2406-02-110-15) (02)	17.000	-	17.000			17.000	-	17.000	0.000	0.000	0.000	9.010	0.000	9.010	5.400	59.93	31.76
	Subtotal	17.000	25.500	42.500			17.000	25.500	42.500	0.000	0.000	0.000	9.010	13.515	22.525	12.150	53.94	28.59
15	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (01)	-	28.500	28.500			-	28.500	28.500	0.000	0.000	0.000	0.000	15.105	15.105	6.570	0.00	23.05
	Kottiyoor Wildlife Sanctuary (2406-02-110-14) (02)	19.000	-	19.000			19.000	-	19.000	0.000	0.000	0.000	10.070	0.000	10.070	5.700	56.60	30.00
	Subtotal	19.000	28.500	47.500			19.000	28.500	47.500	0.000	0.000	0.000	10.070	15.105	25.175	12.270	48.74	25.83
16	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (01)	-	33.000	33.000			-	33.000	33.000	0.000	0.000	0.000	0.000	17.490	17.490	8.810	0.00	26.70
	Karimpuzha Wildlife Sanctuary (2406-02-110-13) (02)	22.000	-	22.000			22.000	-	22.000	0.000	0.000	0.000	11.660	0.000	11.660	7.260	62.26	33.00
	Subtotal	22.000	33.000	55.000			22.000	33.000	55.000	0.000	0.000	0.000	11.660	17.490	29.150	16.070	55.13	29.22
	Subtotal of WL Sanctuaries	476.000	714.000	1190.000			476.000	714.000	1190.000	0.000	0.000	0.000	240.280	339.570	579.850	271.330	46.79	22.80
ii	Management of National Parks																	
1	Eravikulam National Park (2406-02-110-79) (01)	-	130.000	130.000			-	130.000	130.000	0.000	0.000	0.000	0.000	68.900	68.900	11.200	0.00	8.62
	Eravikulam National Park (2406-02-110-79) (02)	85.000	-	85.000			85.000	-	85.000	0.000	0.000	0.000	45.050	0.000	45.050	12.000	26.64	14.12
	Subtotal	85.000	130.000	215.000			85.000	130.000	215.000	0.000	0.000	0.000	45.050	68.900	113.950	23.200	20.36	10.79
2	Silent Valley National Park (2406-02-110-78) (01)	-	116.000	116.000			-	116.000	116.000	0.000	0.000	0.000	0.000	61.480	61.480	13.130	0.00	11.32
	Silent Valley National Park (2406-02-110-78) (02)	75.000	-	75.000			75.000	-	75.000	0.000	0.000	0.000	39.750	0.000	39.750	13.200	33.21	17.60
	Subtotal	75.000	116.000	191.000			75.000	116.000	191.000	0.000	0.000	0.000	39.750	61.480	101.230	26.330	26.01	13.79
3	Anamudi National Park (2406-02-110-77) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	6.350	0.00	22.68

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		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
1	Anamudi National Park (2406-02-110-77) (02)	20.000	-	20.000			20.000	-	20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	12.350	48.55	25.73
4	Mathikettanmala National Park (2406-02-110-76) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	6.320	0.00	22.57
	Mathikettanmala National Park (2406-02-110-76) (02)	20.000	-	20.000			20.000	-	20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	12.320	48.43	25.67
5	Pampadumshola National Park (2406-02-110-75) (01)	-	28.000	28.000			-	28.000	28.000	0.000	0.000	0.000	0.000	14.840	14.840	6.150	0.00	21.96
	Pampadumshola National Park (2406-02-110-75) (02)	20.000		20.000			20.000		20.000	0.000	0.000	0.000	10.600	0.000	10.600	6.000	56.60	30.00
	Subtotal	20.000	28.000	48.000			20.000	28.000	48.000	0.000	0.000	0.000	10.600	14.840	25.440	12.150	47.76	25.31
	Subtotal of National Parks	220.000	330.000	550.000			220.000	330.000	550.000	0.000	0.000	0.000	116.600	174.900	291.500	86.350	29.62	15.70
iii	Management of Community Reserve																	
1	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (01) Kadalundi Reserve	-	18.000	18.000			-	18.000	18.000	0.000	0.000	0.000	0.000	9.540	9.540	2.570	0.00	14.28
	Integrated Development of Wild Life Habitats - Management of Community Reserve (60:40 between Centre and State) (2406-02-110-72) (02) Kadalundi Reserve	12.000	-	12.000			12.000	-	12.000	0.000	0.000	0.000	6.360	0.000	6.360	3.000	47.17	25.00
	Subtotal	12.000	18.000	30.000			12.000	18.000	30.000	0.000	0.000	0.000	6.360	9.540	15.900	5.570	35.03	18.57
iv	Project Tiger (60:40 between Central and State)																	
1	Periyar Tiger Reserve (2406-02-110-74) (01)	-	570.000	570.000			-	570.000	570.000	0.000	0.000	0.000	0.000	245.100	245.100	86.580	35.32	15.19
	Periyar Tiger Reserve (2406-02-110-74) (02)	380.000	-	380.000			380.000	-	380.000	0.000	0.000	0.000	163.400	0.000	163.400	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
	Subtotal	380.000	570.000	950.000			380.000	570.000	950.000	0.000	0.000	0.000	163.400	245.100	408.500	86.580	21.19	9.11
2	Parambikulam Tiger Reserve (2406-02-110-73) (01)	-	435.000	435.000			-	435.000	435.000	0.000	0.000	0.000	0.000	230.550	230.550	50.000	21.69	11.49
	Parambikulam Tiger Reserve (2406-02-110-73) (02)	290.000	-	290.000			290.000	-	290.000	0.000	0.000	0.000	153.700	0.000	153.700	0.000	0.00	0.00
	Subtotal	290.000	435.000	725.000			290.000	435.000	725.000	0.000	0.000	0.000	153.700	230.550	384.250	50.000	13.01	6.90
	Subtotal of Project Tiger	670.000	1005.000	1675.000			670.000	1005.000	1675.000	0.000	0.000	0.000	317.100	475.650	792.750	136.580	17.23	8.15
v	Project Elephant (2406-02-110-35)(1)	-	780.000	780.000			-	780.000	780.000	0.000	0.000	0.000	0.000	413.400	413.400	145.149	0.00	18.61
	Project Elephant (2406-02-110-35)(2)	520.000	-	520.000			520.000	-	520.000	0.000	0.000	0.000	275.600	0.000	275.600	96.770	35.11	18.61
	Subtotal of Project Elephant	520.000	780.000	1300.000			520.000	780.000	1300.000	0.000	0.000	0.000	275.600	413.400	689.000	241.919	35.11	18.61
2	National Mission for Green India																	
i	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (1)	-	600.000	600.000			-	600.000	600.000	0.000	0.000	0.000	0.000	318.000	318.000	0.000	0.00	0.00
	National Afforestation Programme - National Mission for Green India (60:40 between Centre and State) (2406-01-102-86) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	172.000	0.000	172.000	0.000	0.00	0.00
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	172.000	318.000	490.000	0.000	0.00	0.00
3	FPMS CSS 60%																	
i	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (1) (FPMS)	-	360.000	360.000			-	360.000	360.000	0.000	0.000	0.000	0.000	190.800	190.800	0.000	0.00	0.00
	Forest Fire Prevention & Manangement Scheme (2406-01-800-53) (2) (FPMS)	240.000	-	240.000			240.000	-	240.000	0.000	0.000	0.000	127.200	0.000	127.200	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
	Subtotal	240.000	360.000	600.000			240.000	360.000	600.000	0.000	0.000	0.000	127.200	190.800	318.000	0.000	0.00	0.00
ii	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (01) **	-	0.000	0.000	121.450	Addl. Authrsn	-	121.450	121.450	-	151.810	151.810	-	121.450	121.450	121.450	100.00	100.00
	Forest Fire Prevention & Manangement Scheme TSP (2406-01-796-98) (02) **	0.000	-	0.000	80.970	Addl. Authrsn	80.970	-	80.970	101.210	-	101.210	80.970	-	80.970	80.970	100.00	100.00
	Subtotal	0.000	0.000	0.000	202.420		80.970	121.450	202.420	101.210	151.810	253.020	80.970	121.450	202.420	202.420	100.00	100.00
4	Conservation of Natural Resources & Ecosystems																	
i	Nilgiri Biosphere Reserve (2406-02-110-34) (1)	-	270.000	270.000			-	270.000	270.000	0.000	0.000	0.000	0.000	143.100	143.100	0.000	0.00	0.00
	Nilgiri Biosphere Reserve (2406-02-110-34) (2)	180.000	-	180.000			180.000	-	180.000	0.000	0.000	0.000	95.400	0.000	95.400	0.000	0.00	0.00
	Subtotal	180.000	270.000	450.000			180.000	270.000	450.000	0.000	0.000	0.000	95.400	143.100	238.500	0.000	0.00	0.00
ii	Agasthyamala Biosphere Reserve (2406-02-110-33) (1)	-	180.000	180.000			-	180.000	180.000	0.000	0.000	0.000	0.000	95.400	95.400	53.540	0.00	29.74
	Agasthyamala Biosphere Reserve (2406-02-110-33) (2)	120.000	-	120.000			120.000	-	120.000	0.000	0.000	0.000	63.600	0.000	63.600	35.690	56.12	29.74
	Subtotal	120.000	180.000	300.000			120.000	180.000	300.000	0.000	0.000	0.000	63.600	95.400	159.000	89.230	56.12	29.74
iii	Wetland Conservation (2406-02-110-32) (1)	-	242.000	242.000			-	242.000	242.000	0.000	0.000	0.000	0.000	128.260	128.260	0.000	0.00	0.00
	Wetland Conservation (2406-02-110-32) (2)	161.000	-	161.000			161.000	-	161.000	0.000	0.000	0.000	85.330	0.000	85.330	0.000	0.00	0.00
	Subtotal	161.000	242.000	403.000			161.000	242.000	403.000	0.000	0.000	0.000	85.330	128.260	213.590	0.000	0.00	0.00
iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (1)	-	600.000	600.000			-	600.000	600.000	0.000	0.000	0.000	0.000	258.000	258.000	0.000	0.00	0.00

Sl. No.	Name of Scheme/Head of Account	Financial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
1 iv	Integrated Development of Wildlife Habitats to Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Protected Areas (2406-02-110-31) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	172.000	0.000	172.000	0.000	0.00	0.00
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	172.000	258.000	430.000	0.000	0.00	0.00
v	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (1)	-	600.00	600.000			-	600.00	600.000	0.000	0.000	0.000	0.000	318.000	318.000	91.310	0.00	15.22
	Integrated Development of Wildlife Habitats - Protection of wildlife outside Protected Areas. (2406-02-110-52) (2)	400.000	-	400.000			400.000	-	400.000	0.000	0.000	0.000	212.000	0.000	212.000	60.870	28.71	15.22
	Subtotal	400.000	600.000	1000.000			400.000	600.000	1000.000	0.000	0.000	0.000	212.000	318.000	530.000	152.180	28.71	15.22
	Subtotal of Nature Resources & Ecosystems	1261.000	1892.000	3153.000			1261.000	1892.000	3153.000	0.000	0.000	0.000	628.330	942.760	1571.090	241.410	15.37	7.66
	SUB TOTAL (B)	3799.000	5699.000	9498.000	202.420		3879.970	5820.450	9700.420	101.210	151.810	253.020	1964.440	2986.070	4950.510	1185.579	23.95	12.22
C	SCHEMES HAVING 75:25 SHARES BETWEEN CENTRE AND STATE																	
1	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (1)	-	300.000	300.000			-	300.000	300.000	0.000	0.000	0.000	0.000	159.000	159.000	0.000	0.00	0.00
	Minimum Support Price For Minor Forest Produce 2406-01-105-89 (2)	100.000	-	100.000			100.000	-	100.000	0.000	0.000	0.000	53.000	0.000	53.000	0.000	0.00	0.00
	SUB TOTAL (C)	100.000	300.000	400.000			100.000	300.000	400.000	0.000	0.000	0.000	53.000	159.000	212.000	0.000	0.00	0.00
	GRAND TOTAL (A+B+C)	21832.000	5999.000	27831.000	202.420		21912.970	6120.450	28033.420	18034.210	151.810	18186.020	11315.140	3145.070	14460.210	9251.064	63.98	33.00

Sl. No.	Name of Scheme/Head of Account	Finanacial																
		Budget Outlay			Addl. amount received	Mode of receipt	Revised Outlay			Approved Plan as on 31.07.2022			Release during the year through BAMS			Amount Spent	% of achievement against Release amount	% of achievement against Budget Outlay
		State Share	Central Share	Total			State Share	Central Share	Total	State Share	Central Share	Total	State Share	Central Share	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
D	EXTERNALLY AIDED PROJECTS																	
i	KIFFBI	11001.160	0	11001.160			-	-	-	11001.160	0	11001.160	-	-	-	975.350		8.87
ii	RBK	13040.600	0	13040.600			-	-	-	13040.600	0	13040.160	1000.000	0.000	1000.000	1334.614	133.46	10.23
	SUB TOTAL (D)	24041.760	0.000	24041.760			-	-	-	24041.760	0.000	24041.320	1000.000	0.000	1000.000	2309.964	-	9.61

Note:- 1. 33% release amount received on State Schemes and state share of Centrally Sponsored Schemes.

2. ** Release for the Finanacial year 20201-22 which has been revalidated for the year 2022-23.

3. Culmulative expenditure of all projects under KIIFB is Rs.2739.71

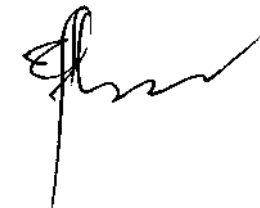
Principal Chief Conservator of Forests (P&D)

PART II
Annexure XIII

Compensatory Afforestation Works (Maintenance & Creation)							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Compensatory Afforestation Works (Creation / Preparatory works)							
Southern Circle, Kollam							
Punalur Division							
1	Compensatory Afforestation works (Creation-Preparatory works)	N 09° 01.14.3 E 77° 00.01.2	Mampazhathara	Ha	1	5	5.00
2		N 9° 01.11.4 E 77° 01.23.4	Veppinkulam	Ha	1	5	5.00
Subtotal						10.00	10.00
High Range Circle, Kottayam							
Kottayam Division							
3	Compensatory Afforestation works' Kottayam division(CA in lieu. of Munnar - Bodimettu Road) (Spill Over work of 2022-23)	N 10° 02'21.42" E 77° 11'27.36"	Vandanpathal	Ha	1.5	1.5	2.25
4	Compensatory Afforestation work at Karikkattoor 1965 TP At Plachery FS (CA in lieu. of Thottiyar Hydro Electric Project)	N 9° 27'32.3" E 76° 47'51.4"	Plachery	Ha	0.63	0.795	1.25
Subtotal						2.30	3.50
Northern Circle, Kannur							
North Wayanad Division							
5	Compensatory Afforestation Works (Creation-Preparatory works)	N 11° 44' 44.1" 75° 51' 13.3"	Ottupara	Ha	1.50	5	7.50
6		N 11° 47' 54.92" 75° 50' 03.12"	Churuli	Ha	1.50	3	4.50
Subtotal						8.00	12.00



FDPT, Kottayam							
Munnar WL Division							
7	Compensatory Afforestation - Creation	N 10° 11' 47.9" E 77° 16' 16.89"	Near Kuringji Hut	Ha	1.50	150	225.00
Subtotal						150.00	225.00
Total						170.30	250.50
Compensatory Afforestation Works (Maintenance)							
Southern Circle, Kollam							
Ranni Division							
1	3 rd year Mtee. of Misc. plantation in compensatory afforestation area-2021 CA plantation at Vakkalar road top	N 90° 14' 4.2" E 77° 1' 38.2"	Vadasserikkara-Vakalar	Ha	0.10	30	3.00
2	3 rd year Mtee. of Misc. plantation in compensatory afforestation area-2021 CA plantation at Vakkalar	N 90° 14' 4.2" E 77° 1' 38.2"	Vadasserikkara-Vakalar	Ha	0.20	10	2.00
Punalur Division							
3	Compensatory Afforestation Works (Maintenance) Fire protection of 2018 CA Plantation Kulatharapacha	N 9° 04' 2.0" E 76° 58' 05.8"	Kulatharapacha	Ha	0.10	28.35	2.80
4	Compensatory Afforestation Works (Maintenance) Fire protection of 2019 CA Plantation Chudalakkunnu	N 09° 05' 48.2" E 76° 57' 16.4"	Chudalakkunnu	Ha	0.10	10	1.00
Subtotal						78.35	8.80
High Range Circle, Kottayam							
Munnar Division							
5	3rd year Mtee of 2020 CA Plantation Kottapara	N 10° 1' 39.54" E 76° 58' 10.71"	Adimaly	Ha	0.50	2.5	1.25
Subtotal						2.50	1.25
Total						80.85	10.05
Total Compensatory Afforestation Works						251.15	260.55



PART III
Annexure XIV

Part A - Activities under "Not less than 80%" of the Net Present Value Fund Category							
Protection of Plantations and Forests							
Eco-restoration of Monocultures (Creation Works)							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Eco-restoration in monocultures with indigenous species - Creation / Preparatory Works							
Southern Circle, Kollam							
Thiruvananthapuram Division							
1	1961 Teak Plantation Chozhiyacode of Kulathupuzha Range	N 08° 51 04 26 E 77° 02 17.5	Kulathupuzha	Ha	1.5	12.68	19.02
2	1962 Teak Plantation Chozhiyacode of Kulathupuzha Range	N 08° 50 34.45 E 77° 03 01.71	Kulathupuzha	Ha	1.5	23.1	34.65
Punalur Division							
3	Eco Restoration activities in monoculture plantations by planting indigenous / misc. species / preparatory works 2004 Kuravanthavalam acacia mangium plantation	N 09° 02.07.9 E 76° 59.17.8	Kuravanthavalam	Ha	0.5	10	5.00
Subtotal						45.78	58.67
Highrange Circle, Kottayam							
Kottayam Division							
4	Ecorestoration of Accacia Plot 1987 Kulamavu RLEGP Accacia Plantation in Vairamany FS under Nagarampara Range (Spill Over Work of 2022-23)	N 09°49' 44.7" E 76°54' 51.9"	Vairamany FS	Ha	1.22	8.22	10.00
Marayoor Division							
5	Eco-restoration in Nagamala area I	N 10°15' 41.14" E 77°07' 23.46"	Marayoor FS	Ha	2.02	23.3	47.00
Subtotal						31.52	57.00
Central Circle, Thrissur							

Chalaky Division							
6	Eco Restoration of Monoculture plantations by planting indigeneous/Misc species/preparatory works	E 76°29' 38.70	Cherumkayam, Punnakuzhy	Ha	1.50	10	15.00
Vazhichal Division							
7	Eco Restoration activities in monoculture plantations by planting indigenous /Misc. species /preparatory works Ecorestoration of 15th block 1997TP area	N 10° 25' 350" E 76° 55' 862"	Athirappilly FS	Ha	1.00	20	20.00
Subtotal						30	35.00
Eastern Circle, Palakkad							
Nilambur South Division							
8	Eco restoration of 2003 failed Teak plantation at Churulipotty	N 11°18' 31.91" E 76° 23' 36.78"	Churulipotty (Karulai Range)	Ha	1.00	20	20.00
Subtotal						20	20.00
Northern Circle, Kannur							
South Wayanad Division							
9	Ecorestoration of 1959 TP Bit 1 at Kurichipatta Chedleth Range	N 11°48'47.1" E 76°07'44.2"	Kurichipatta	Ha	2.35	25.5	60.00
Subtotal						25.50	60.00
FDPT, Kottayam							
Periyar East Division							
10	Eco Restoration activities in monoculture plantations by planting indigenous/misc. species/preparatory works	N 09°54'85" E 77° 12'19."	Thondiyar Vallakkadavu range	Ha	0.83	6	5.00
Idukki Division							


11	Eco Restoration activities in monoculture plantations by planting indigenous/misc. species/preparatory works - Eucalyptus, acacia removal and planting indigenous	N 09°45'31" E 76°50'18"	Valiyakandam area	Ha	0.83	1.2	1.00
12	Eco Restoration activities in monoculture plantations by planting indigenous/misc. species/preparatory works	N 09°44'37.55" E 76°58'59.10"	Vanmavu to Konnakuzhy area - Teak removal and planting indigenous species	Ha	0.83	1.2	1.00
Munnar Division							
13	Eco Restoration activities in monoculture plantations by planting indigenous/misc. species/preparatory works	N 10° 12' 53.16" E 77°15' 58.68"	Removal of Wattle in Kurinji Hut area	Ha	1.5	15	22.50
Subtotal						23.40	29.50
Total						176.20	260.17
Eco-restoration in monoculture plantations (Maintenance works)							
Southern Circle, Kollam							
Thiruvananthapuram Division							
1	2nd year Mtce fo 2009 TP Sankily in Sankily section of Kulathupuzha Range	N 08° 49 44.52 E 77° 01 56.57	Kulathupuzha	Ha	0.50	19.80	9.90
Sub total						19.80	9.90
High Range Circle, Kottayam							
Marayoor Division							
2	3rd year maintenance eco-restoration of 1984 & 1986 pothady and Chinna Pothady	N 10°16' 48.53" E 77°08' 36.48"	Marayoor	Ha	0.30	30.00	9.00
Sub total						30	9.00
Eastern Circle, Palakkad							
Nilambur North Division							

3	Illrd year maintenance of 2021-22 Plantation at Marathode over an extent of 1 Ha. In Kodumpuzha Forest Station under Edavanna Range	N 11° 18' 47.41" E 76° 06' 23.18"	Marathodu (Kodumpuzha FS)	Ha	0.50	1.00	0.50
4	Illrd year maintenance of 2021-22 Plantation at Edapottipoyil over an extent of 2 Ha in Kodumpuzha Forest Station under Edavanna Range	N 11° 18' 14.33" E 76° 06' 27.40"	Edapottipoyil (Kodumpuzha FS)	Ha	0.50	2.00	1.00
5	Illrd year maintenance of 2021-22 Plantation at Thudipoyil in Edakkode Reserve over an extent of 2.5 Ha in Edakkode Forest Station under Edavanna Range	N 11° 15' 53.37" E 76° 02' 09.87"	Thudipoyil (Edakkode FS)	Ha	0.50	2.50	1.25
Sub total						5.50	2.75
Central Circle, Thrissur							
Thrissur Division							
6	Third year mtce of Thekkumpadam eco-restoration plantation of Vaniyampara FS of Pattikkad Range	N 10° 32' 50.7" E 76° 21' 16.5"	Pattikkad Range	Ha	0.30	10	3.00
Chalaky Division							
7	Eco Restoration 3 rd year Mtce	N 10° 26' 38.2" E 76° 21' 49.5"	Kuttenchira	Ha	0.30	14	4.20
Sub Total						24.00	7.20
Northern Circle, Kannur							
South wayanad Division							
8	Cost of 3rd year Maintenance of ANR plantation (for augmentation of felled 1997 eucalyptus plantation) at Koncherikunnu under Sugandhagiri section kalpetta Range	N 11° 37' 57.8" E 75° 58' 54.1"	Kochumala in Sugandhagiri Section	Ha	0.6	16.7	8

						16.70	8.00	
	Wildlife Palakkad							
9	2nd year maintenance Eco restoration of 1963-TP, Tholpetty,Block No-7 (Removal of Exotics, uprooting of senna seedlings, Augumenting natural regeneration by seed dibbling and planting, fireprotection, weeding, SMC works)	N 11° 35' 49" E 76° 13' 27"	Tholpetty-Wayanad WLS	Ha	0.30	50	15.00	
10	3rd year maintenance Eco restoration of 1978-TP, Sulthan Bathery, (Reoval of Exotics, uprooting of senna seedlings, Augumenting natural regeneration by seed dibbling and planting, fireprotection, weeding, SMC works)	N 11° 35' 59" E 76° 02' 07"	Sulthan Bathery- Wayanad WLS	Ha	0.30	28	8.40	
						78.00	23.40	
						174.00	60.25	
	Total Eco - Restoration Works						350.20	320.42



Protection of Research Plots and seed Production Areas							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Eastern Circle, Palakkad							
North Nilambur Division							
1	Protection of permanent preservation plots in Nilambur North Division (Conolly's plot, Chathumenon plot, Kanakuth plot, mahogany plantations at Eranjimangad and Chaliyarmukk.)	N 11°16'08.474" N 11° 19' 47.1" N 11° 18' 54.8" E 76°12'22.137" E 76° 13' 55.4" E 76° 14' 37.1"	Conolly's plot, Chathumenon plot, Kanakuth plot, Mahogany plantations at Eranjimangad and Chaliyarmukk.	Ha	0.20	20	4.00
Sub Total						20 Ha	4.00
Northern Circle, Kannur							
North Wayanad							
2	Protection of Teak Seed collection in TSPA area Udayakkara in Pulpally Forest Station of Chedleth Range	N 11°82' 75.41 E 76° 14' 16.77	Udayakkara in Pulpally Forest Station	Ha	0.20	10	2.00
3	Protection of Teak Seed collection in TSPA area Cheeyambam in Irulam Forest Station of Chedleth Range	N 11° 46' 47.9 E 76° 12' 580	Cheeyambam in Irulam Forest Station	Ha	0.20	10	2.00
Sub Total						20 Ha	4.00
Total						40 Ha	8.00



Strengthening Forest Protection & Anti-poaching Units							
Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Ranni Division							
1	Organising Joint Patrolling and Raids along inter-divisional and Interstate boundaries			Nos.	0.15	25	3.75
Achenkovil Division							
2	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries			Nos.	0.15	15	2.25
Thenmala Division							
3	Organising joint patrolling and Raids along inter divisional and inter state boundaries			Nos.	0.15	15	2.25
Thiruvananthapuram Division							
4	Conducting Joint Patrolling and raids at interstate boundaries of Kulathupuzha Range			Nos.	0.15	20	2.25
Punalur Division							



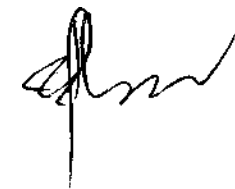
5	Organising Joint Patrolling and raids along inter-divisional and inter-state forest boundaries			Nos.	0.15	10	2.25
Konni Division							
6	Organising Joint Patrolling and Raids along inter - divisional and Interstate boundaries			Nos.	0.15	15	2.25
Subtotal						100	15.00
High Range Circle, Kottayam							
Kottayam Division							
7	Organising joint Patrolling and Raids along inter- divisional and inter- state forest boundaries			Nos.	0.15	20	3
Munnar Division							
8	Organising joint Patrolling and Raids along inter- divisional and inter- state forest boundaries			Nos.	0.15	20	3.00



	Marayur Division						
9	Organising joint Patrolling and Raids along inter- divisional and inter- state forest boundaries			Nos	0.15	20	3.00
	Manakulam Division						
10	Organising joint Patrolling and Raids along inter- divisional and inter- state forest boundaries			Nos	0.15	20	3.00
	Kothamangalam Division						
11	Organising joint Patrolling and Raids along inter- divisional and inter- state forest boundaries			Nos	0.15	20	3.00
	Subtotal					100	15.00
	Eastern Circle, Palakkad						
	Nilambur North Division						
12	Organizing joint patrolling & raids along the inter divisional and inter state boundaries			Nos.	0.15	10	1.50
	Nilambur South Division						
13	Organizing joint patrolling & raids along the inter divisional and inter state boundaries			Nos.	0.15	5	0.75
	Mannarkkad Division						



14	Organizing joint patrolling & raids along the inter divisional and inter state boundaries			Nos.	0.15	5	0.75	
Palakkad Division								
15	Organizing joint patrolling & raids along the inter divisional and inter state boundaries			Nos.	0.15	10	1.50	
Nemmara Division								
16	Organizing joint patrolling & raids along the inter divisional and inter state boundaries			Nos.	0.15	5	0.75	
						Subtotal	35	5.25
Central Circle, Thrissur								
Thrissur Division								
17	Organising joint Patrolling and Raids along inter			Nos.	0.15	10	1.50	
Chalakydy Division								
18	Organising joint Patrolling and Raids along inter divisional and interstate boundaries							
19	Organising joint Patrolling and Raids along inter divisional and interstate boundaries			Nos.	0.15	10	1.50	
20	Organising joint Patrolling and Raids along inter divisional and interstate boundaries							
Vazhachal Division								

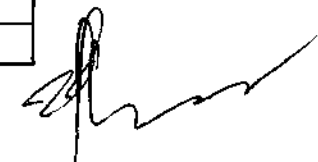


21	Organising joint Patrolling and Raids along inter divisional and interstate boundaries			Nos.	0.15	10	1.50
Malayattoor Division							
22	Organising joint Patrolling and Raids along inter divisional and interstate boundaries			Nos.	0.15	21	3.15
Sub Total						51	7.65
Northern Circle, Kannur							
Kasargod Division							
23	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries						
24	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries			Nos	0.15	8	1.20
25	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries						
Kannur Divison							
26	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries			Nos	0.15	10	1.50

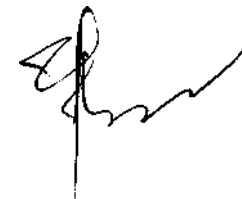


Kozhikkode Division							
27	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries			Nos	0.15	7	1.05
North Wayanad Division							
28	Organising Joint Patrolling and Raids along inter-divisional and inter-state forest boundaries			Nos	0.15	10	1.50
Sub Total						35	5.25
Wildlife Palakkad							
Wayanad Division							
29	Organizing joint patrolling and raids along inter-divisional and inter state			Nos.	0.15	7	1.05
PMKTR Division							
30	Organizing joint patrolling and raids along inter-divisional and inter state			Nos.	0.15	9	1.35
SVNP Division							
31	Organizing joint patrolling and raids along inter-divisional and inter state			Nos.	0.15	7	1.05
Peechi Division							

32	Organizing joint patrolling and raids along inter-divisional and inter state forest bounaries			Nos.	0.15	7	1.05
Aralam Division							
33	Organizing joint patrolling and raids along inter-divisional and inter state forest bounaries			Nos.	0.15	7	1.05
Sub Total						37	5.55
ABP Circle							
Wildlife Divison							
34	Organising joint Patrolling and Raids along inter divisional and interstate boundaries			Nos.	0.15	15	2.25
Schendurny Divison							
35	Organising joint Patrolling and Raids along inter divisional and interstate boundaries			Nos.	0.15	15	2.25
Sub Total						30	4.50
FD PT Kottayam							
Periyar East Division							
36	Organising Joint Patrolling and Raids			Nos.	0.15	15	2.25
Munnar Division							
37	Organising Joint patrolling and raids along inter-divisional and inter-state forest boundaries			Nos.	0.15	15	2.25
Periyar west Division							



38	Organising Joint patrolling and raids along inter-divisional and inter-state forest boundaries			Nos.	0.15	10	1.50	
Idukki Division								
39	Organising Joint patrolling and raids along inter-divisional and inter-state forest boundaries			Nos.	0.15	10	1.50	
						Subtotal	50	7.5
						Total	438	65.70



Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
1	Maintenance of Vayal (Marshy grasslands which are source of fodder for herbivores)	N 08°51'35.1" E 77° 01'58.2"	Onthupacha	Ha	0.15	2	0.30
2	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 09° 03.44.3 E 76° 98.22.1	Paravally	Ha	0.15	2	0.30
Konni Division							
3	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 09°6. 31. 78" E 77° 04 51. 29"	Manarappara	Ha	0.15	0.5	0.08
Subtotal						4.50	0.68
Eastern Circle, Palakkad							
Nilambur South Division							
4	Maintenance of Vayal	N 11° 16 46.33 N 11° 16 40.90 N 11° 16 54.35 E 76° 21 34.35 E 76° 21 45.57 E 76° 21 49.60	Karreei, Thalkolly, Pulikkalakai, Mangandi ppadan Karulai Range	Ha	0.15	40	6
Subtotal						40.00	6.00
Central Circle, Thrissur							
Chalaky Division							
5	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 10°22'48.83" E 76°29'17.30"	Cherumkayam	Ha	0.15	1	0.15

6	Maintenance of Vayal(marshy grasslands which are source of fodder for Herbivores)	N 10°18'42.74" E 76°33'6.29"	Nirappel	Ha	0.15	1	0.15
Vazhachal Division							
7	Maintenance of Vayal(marshy grasslands which are source of fodder for Herbivores)	N 10°17' 04.18" E 76° 37' 37.05"	Pachilavalam Vayal			3	0.45
8	Maintenance of Vayal(marshy grasslands which are source of fodder for Herbivores)	N 10° 16' 17.35" E 76° 39' 29.58"	Kalakkallu Vayal	Ha	0.15	4	0.60
9	Maintenance of Vayal(marshy grasslands which are source of fodder for Herbivores)	N 10° 17' 33.05" E 76°39' 22.39"	Nursary pocket Vayal			4	0.60
Malayattoor Division							
10	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 10°12'38.63" E 76°35' 17.33"	Kodanad	Ha	0.15	1.5	0.23
Subtotal						14.50	2.18
Northern Circle, Kannur							
Kozhikkode Division							
11	Mtce of Vayals Marshy grasslands which are source of fodder for herbivores)	N 11° 31' 49.8" E 75° 56' 32.5"	Peruvannamuzhy Range	Ha	0.15	5.00	0.75
North Wayanad Division							
12	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11° 48' 09.4" E 75° 49' 59.4"	Makkipoyyil	Ha	0.15	3.01	0.45
13	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11° 47' 13.7" E 75° 49' 27.2"	Kanchola	Ha	0.15	2.01	0.30
14	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11° 46' 13.40" E 75° 49' 12.80"	Kunkichira	Ha	0.15	2.10	0.32



15	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11° 48' 10.4" E 75° 49' 56.4"	Challuramtheri	Ha	0.15	3.11	0.47
				Subtotal		15.23	2.28
FDPT, Kottayam							
Periyar East Division							
16	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 9°36'04.75" E 77°10'03.17"	Vayal Mtce at various section areas	Ha	0.15	10	1.50
Periyar West Division							
17	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 09° 29' 41.2" E 77° 04' 23.8" N 09° 28' 53.2" E 77° 06' 06.9" N 09° 29' 38.53" E 77° 05' 18.09" N 09° 29' 41.2" E 77° 04' 23.8" N 09° 28' 36.1" E 77° 06' 57.2"	6th Block, in IWLS 7th Block, Vellakkamali Bit I, Vellakkamali Bit II, Vellackamali Bit III, Valiyakandam, Pulinkanam Bit I, Pulinkanam Bit II, 10th Block, Chempanmally, Koottakallu Bit I, Koottakallu Bit II, Earth dam, Eriyanthadam, Arakkapadam Bit I, Arakkapadam Bit II, Arakkapadam Bit III,	Ha	0.15	20	3.00
Idukki Division							
18	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 10°7'00" E 76°40'00"	Thattekkad	Ha	0.15	10	1.50

						40.00	6.00
	Subtotal						
	Wildlife, Palakkad						
	Wayanad Division						
19	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11°35'49" E 76 02'07" N 11°35'59" E 76° 13'27"	Kakkery Vayal-At Tholpetty Range	Ha	0.15	5	0.75
	Peechi Division						
20	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 10°31'50.66" E 76°22'45.61" N 10°31'50.66" E 76°22'45.61"	Peechi and Chimmony WLS	Ha	0.15	10	1.50
	PKMTR Division						
21	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 10.50038, E 76.80481 N 10.4925, E 76.7963 N 10.4022, E 76.70272 N 10.40217, E 76.70216 N 10.43786, E 76.7409		Ha	0.15	10	1.50
	SVNP Division						
22	Maintenance of Vayal (marshy grasslands which are source of fodder for herbivores)	N 11° 08'50.2" E 76 ° 27'37.3"	Bhavani/ Silent Valley	Ha	0.15	15	2.25
						40.00	6.00
						154.23	23.14

Removal of Exotic Weeds							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Thenmala Division							
1	Removal of Exotic Weeds	N 09° 39' 0.0 " E 77° 00' 28.7"	Thenmala, Edamon and Kalluvarambu Section	Ha	0.10	10	1.00
Konni Division							
2	Removal of Exotic Weeds	N 09° 08' 37.46 E 77° 04' 49.96	Kambiadichan para	Ha	0.10	10	1.00
Punalur Divison							
3	Removal of Exotic Weeds	N 09° 01' 25.0 E 77° 00' 52.7	Mampazhathara	Ha	0.10	5	0.50
4	Removal of Exotic Weeds	N 09° 06' 69.6 E 76° 53' 905	Kundamkulam	Ha	0.10	5	0.50
Subtotal						30.00	3.00
High Range Circle, Kottayam							
Kottayam Division							
5	Removal of Exotic Weeds	N 09° 48' 42.92" E 76° 53' 24.05"	MPCA Area at Kulamavu	Ha	0.10	5	0.50
6	Removal of Exotic Weeds	N 09° 34' 34.42" E 76° 54' 53.91"	2012 Urumbikkara	Ha	0.10	9	0.90
Mankulam Division							
7	Removal of Exotic Weeds	N 10 07 07.2 E 77 00 13.7	Cholamala in Anakulam Range	Ha	0.10	5	0.50
8	Removal of Exotic Weeds	N 10 10 09.9 E 76 55 54.8	Mangapara in Anakulam Range	Ha	0.10	5	0.50
9	Removal of Exotic Weeds	N 10 09 22.5 E 76 56 06.8	Kozhiyalakudy in Anakulam Range	Ha	0.10	5	0.50



10	Removal of Exotic Weeds	N 10 04 48.5 E 76 57' 56.5	Vackachan kadu area in Mankulam Range	Ha	0.10	5	0.50	
Subtotal							34.00	3.40
Central Circle, Thrissur								
Vazhachal Division								
11	Removal of Exotic weeds	N 10° 17' 48.9'' E 76° 38' 27.3''	Vaekolippara	Ha	0.10	5	0.50	
12		N 10° 18' 42.3'' E 76° 43' 39.5''	S curve area		0.10	3	0.30	
13		N 10° 16' 31.30'' E 76° 42' 59.69''	Mechappilli		0.10	3	0.30	
14		N 10° 16' 28.43'' E 76° 43' 32.22''	Thumbikkaippara		0.10	3	0.30	
15		N 10° 16' 36.35'' E 76° 43' 59.69''	Thoduthoni		0.10	7	0.70	
16		N 10° 21' 33.75'' E 76° 38' 35.00''	parappanpara		0.10	5	0.50	
Subtotal							26.00	2.60
Eastern, Palakkad								
Nenmara Division								
17	Removal of Exotic weeds	N 10 37 10.8 N 10 36 56.1 N 10 35 27.22 E 76 32 53.2 E 76 33 22.2 E 76 36.09.44	Vizhumala & vellaparakunnu, Ayalamudi, Nelliyampathy	Ha	0.10	40	4.00	
Subtotal							40.00	4.00
Northern Circle, Kannur								
Kasaragod Division								
18	Removal of Exotic weeds	N 12° 30' 415'' E 75° 09' 152'	Kunduchi area of Karadukka	Ha	0.10	1	0.10	

	Kannur Division						
19	Removal of Exotic weeds	N 11° 59' 33.2" E 75° 40' 57.3"	Iritty, Keezhpally	Ha	0.10	5	0.50
	Kozhikkode Division						
20	Removal of Exotic weeds	N 11 29 41.46 E 75 57 42.18	Kakkad	Ha	0.10	10	1.00
21	Removal of Exotic weeds	N 11 35' 43.9" E 75 55' 17.1"	Choothupara	Ha	0.10	5	0.50
	North Wayanad Division						
22	Removal of Exotic weeds	N 11 44' 25.30" E 75 49' 46.53"	Valamthode	Ha	0.10	5	0.50
	South Wayanad Division						
23	Removal of Exotic weeds	N 11 720 74 E 76 218 340	Maramala Irulam FS	Ha	0.10	2	0.20
24	Removal of Exotic weeds	N 11 73 288 E 76 18 860	Mariyanad Irulam FS	Ha	0.10	2	0.20
			Subtotal			30.00	3.00
	Wildlife Palakkad						
	Wayanad Division						
25	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Emmadi area At Tholpetty Range	Ha	0.10	2	0.20
26	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Ayyappanpara area At Tholpetty Range	Ha	0.10	2	0.20
27	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Nedunthana area At Tholpetty Range	Ha	0.10	2	0.20
28	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Aralagadha to section Boundary area At Tholpetty Range	Ha	0.10	2	0.20
29	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Ammani Colony area At Tholpetty Range	Ha	0.10	2	0.20

30	Removal of Exotic Weeds	N 11°80'42.72" E 76°21'30.59" N 11°67'9.389" E 76°23'20.15"	Kurichiat Range	Ha	0.10	5	0.50
SVNP Division							
31	Removal of Exotic Weeds	N 11° 08'50.2" E 76 ° 27'37.3"	Bhavani/ Silent Valley	Ha	0.10	5	0.50
Peechi Division							
32	Removal of Exotic Weeds	N 10°31'50.66" E 76°22'45.61" N 10°31'50.66" E 76°22'45.61"	Peechi and Chimmony WLS	Ha	0.10	10	1.00
Subtotal						30.00	3.00
FDPT Kottayam							
Idukki Division							
33	Removal of Exotic Weeds	N 9 °47'59.9" E 77 °00'32.1" N 9 °44'00.3" E 76 °57'45.9" N 9 °48'14.410" E 76 °56'55.634" N 9 °44'48.46" E 76 °58'33.21" N 9 °44'31.921" E 76 °58'7.803" N 9 °46'28.0" E 76 °00'10.3"	Vetilappara in IWLS Erattakkanam Kothapara Perumpattumpara Kottathavalam Anapallam Konnakuzhy Nakshathrakunnu Thodupuzhakunnu Venganam Vakavanam Mozhakadavu	Ha	0.1	10	1.00
Munnar Division							
34	Removal of Exotic Weeds	N 10° 30' 56.00" E 77° 17' 59.00"	Vazhathura	Ha	0.1	7	0.70
35	Removal of Exotic Weeds	N 10° 16' 02.4" E 77° 11' 56.4"	Vannamthura	Ha	0.1	6	0.60

36	Removal of Exotic Weeds	N 10°32'82.20" E 77°21' 85.70"	Chinnar area	Ha	0.1	8	0.80
				Subtotal		31.00	3.10
ABP Trivandrum							
Thiruvananthapuram Wildlife Division							
37	Removal of Exotic Weeds	N 8° 037' 24.3" E 77° 10'07.5" N 8 037' 18.0" E 77 0 8'12.3" N 8 036' 9.65" E 77 0 08' 3.09" N 8 029' 57.2" E 77 0 14' 21.8" N 8 032' 18.74" E 77 0 13'7.10"	Neduvanthodu Anakulam Quary area Ananirathi Mullayattumukku	Ha	0.1	30	3.00
				Subtotal		30.00	3.00
				Total		251.00	25.10

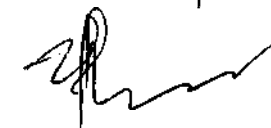


Habitat Enrichment in Degraded Areas							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
1	Habitat Enrichment in degraded areas	N 08°55'41.1" E 76°54'51.7"	Anchal Range	Ha	0.50	5	2.50
2		N 09°02.07.9 E 76°59.17.8	Kuravanthavalam	Ha	0.50	5	2.50
Subtotal						10 Ha	5.00
High Range Circle, Kottayam							
Marayoor Division							
3	Habitat Enrichment in degraded areas	N 10° 15 48.47 E 77° 12 07.55	NSR I, NSR II	Ha	0.30	30	9.00
4		N 09° 48' 42.92" E 76° 53' 24.05"	MPCA Area at Kulamave	Ha	0.20	5	1.00
5		N 09° 43' 1.6" E 77° 01' 51.4"	PT Kanam	Ha	0.45	20	9.00
Subtotal						55 Ha	19.00
Central Circle, Thrissur							
Chalaky Division							
6	Habitat Enrichment in degraded areas	N 10°23'37.60" E 76°26'28.15"	Mukkanamkuthu	Ha	0.50	2	1.00
Malayattoor Division							

7	Habitat Enrichment in degraded areas	N 10 ° 11'36.9" E 76 ° 36.16.9" N 10 ° 11'14.7" E 76 ° 35.59.0"	Kottappara Reserve area, Kodanad Range	Ha	0.50	10	5.00
8	Habitat Enrichment in degraded areas	N 10 ° 17' 1.269" E 76 ° 39' 12.536"	Perumthod FS Area	Ha	0.50	10	5.00
9	Habitat Enrichment in degraded areas	N 10 ° 13 '33.1" E 76 ° ' 34. 33.8"	Erumugham FS area	Ha	0.50	5	2.50
			Subtotal			27 Ha	13.50
			Total			92 Ha	37.50

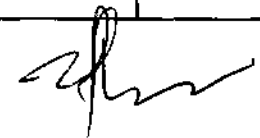


Engaging Fire gangs through participatory Forest Management							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Ranni Division							
1	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Thenmala Division							
2	Engaging Fire Gangs through participatory forest management			MM	0.0080	400	3.20
Achenkovil Division							
3	Engaging Fire Gangs through participatory forest management			MM	0.0080	300	2.40
Konni Division							
4	Engaging Fire Gangs through participatory forest management			MM	0.0080	400	3.20
Thiruvananthapuram Division							
5	Engaging Fire Gangs through participatory forest management			MM	0.0080	400	3.20
Punalur Division							
6	Engaging Fire Gangs through participatory forest management			MM	0.0080	400	3.20
Subtotal						2500	20.00
High Range Circle, Kottayam							
Kottayam Division							
7	Engaging fire gangs through participatory forest management			MM	0.0080	675	5.40
Kothamangalam Division							
8	Engaging fire gangs through participatory forest management			MM	0.0080	600	4.80

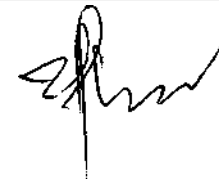


	Munnar Division						
9	Engaging fire gangs through participatory forest management			MM	0.0080	500	4.00
	Marayoor Division						
10	Engaging fire gangs through participatory forest management			MM	0.0080	600	4.80
	Mankulam Division						
11	Engaging fire gangs through participatory forest management			MM	0.0080	500	4.00
	Subtotal					2875	23.00
	Eastern Circle, Palakkad						
	Nilambur North Division						
12	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Nilambur South Division						
13	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Mannarkkad Division						
14	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Palakkad Division						
15	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Nemmara Division						
16	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Subtotal					3000	24.00
	Central Circle, Thrissur						
	Thrissur Division						
17	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
	Chalakkudy Division						

18	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Vazhachal Division							
19	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Malayattoor Division							
20	Engaging Fire Gangs through PFM			MM	0.0080	700	5.60
Subtotal						2500	20.00
Northern Circle, Kannur							
Kasaragod Division							
21	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Kannur Division							
22	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Kozhikkode Division							
23	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
North Wayanad Division							
24	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
South Wayanad Division							
25	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.800
Subtotal						3000	24.00
Wildlife Palakkad							
Wayanad Division							
26	Engaging Fire Gangs			MM	0.0080	700	5.60
PKMTR Division							
27	Engaging Fire Gangs			MM	0.0080	600	4.80
SVNP Division							



28	Engaging Fire Gangs			MM	0.0080	600	4.80
Peechi Division							
29	Engaging Fire Gangs			MM	0.0080	600	4.80
Aralam Division							
30	Engaging Fire Gangs			MM	0.0080	500	4.00
Subtotal						3000	24.00
ABP Circle							
Wildlife Thiruvananthapuram							
31	Engaging Fire Gangs			MM	0.0080	300	2.40
Shendurney Wildlife							
32	Engaging Fire Gangs			MM	0.0080	200	1.60
Subtotal						500	4.00
FDPT Kottayam							
Periyar East Division							
33	Engaging antipoaching mazdoors in protection camps			MM	0.0080	600	4.80
Periyar West Division							
34	Engaging antipoaching mazdoors in protection camps			MM	0.0080	400	3.20
Idukki Division							
35	Engaging fire protection mazdoors / fire gangs through participatory forest management			MM	0.0080	400	3.20
Munnar WL Division							
36	Engaging Fire Gangs through participatory forest management			MM	0.0080	600	4.80
Subtotal						2000	16.00
Total						19375	155.00



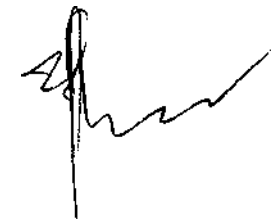
Fire Awareness Campaigns							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Ranni Division							
1	Fire Awareness Campaign			Nos.	0.20	3	0.60
Konni Division							
2	Fire Awareness Campaign			Nos.	0.20	3	0.60
Thiruvananthapuram Division							
3	Fire Awareness Campaign			Nos.	0.20	3	0.60
Punalur Division							
4	Fire Awareness Campaign			Nos.	0.20	4	0.80
Achencoil Division							
5	Fire Awareness Campaign			Nos.	0.20	2	0.40
Subtotal						15	3.00
High Range Circle, Kottayam							
Kottayam Division							
6	Fire Awareness Campaign			Nos.	0.20	5	1.00
Kothamangalam Division							
7	Fire Awareness Campaign			Nos.	0.20	5	1.00
Munnar Division							
8	Fire Awareness Campaign			Nos.	0.20	5	1.00
Mankulam Division							
9	Fire Awareness Campaign			Nos.	0.20	5	1.00
Subtotal						20	4.00
Central Circle, Thrissur							
Thrissur Division							
10	Fire Awareness Campaigns			Nos.	0.20	4	0.80
Chalakkudy Division							
11	Fire Awareness Campaigns			Nos.	0.20	3	0.60
Vazhachal Division							
12	Fire Awareness Campaigns			Nos.	0.20	3	0.60



	Malayattoor Division						
13	Fire Awareness Campaigns			Nos	0.20	4	0.80
						14	2.80
	Eastern Circle, Palakkad						
	Nilambur North Division						
14	Fire Awareness Campaigns			Nos	0.20	2	0.40
	Nilambur South Division						
15	Fire Awareness Campaigns			Nos	0.20	2	0.40
	Mannarkkad Division						
16	Fire Awareness Campaigns			Nos	0.20	2	0.40
	Palakkad Division						
17	Fire Awareness Campaigns			Nos	0.20	2	0.40
	Nemmara Division						
18	Fire Awareness Campaigns			Nos	0.20	2	0.40
						10	2.00
	Northern Circle, Kannur						
	Kasaragod Division						
19	Fire Awareness Campaigns			Nos	0.20	4	0.80
	Kannur Division						
20	Fire Awareness Campaigns			Nos	0.20	4	0.80
	Kozhikode Division						
21	Fire Awareness Campaigns			Nos	0.20	4	0.80
	North Wayanad Division						
22	Fire Awareness Campaigns			Nos	0.20	4	0.80
	South Wayanad Division						
23	Fire Awareness Campaigns			Nos	0.20	4	0.80
						20	4.00
	Wildlife Palakkad						
	Wayanad Division						
24	Fire Awareness Campaigns			Nos	0.20	3	0.60
	SVNP Division						
25	Fire Awareness Campaigns			Nos	0.20	2	0.40



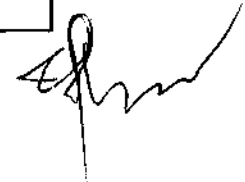
	Peechi Division						
26	Fire Awareness Campaigns			Nos	0.20	3	0.60
	Aralam Division						
27	Fire Awareness Campaigns			Nos	0.20	2	0.40
				Subtotal		10	2.00
	ABP Circle						
	Wildlife Thiruvananthapuram						
28	Fire awareness campaign			Nos.	0.20	4	0.80
	Wildlife Shendurney						
29	Fire awareness campaign			Nos.	0.20	2	0.40
				Subtotal		6	1.20
	FD PT Kottayam						
	Periyar East Division						
30	Fire Awareness Campaigns			Nos.	0.20	4	0.80
	Periyar West Division						
31	Fire Awareness Campaigns			Nos.	0.20	3	0.60
	Idukki Division						
32	Fire Awareness Campaigns			Nos.	0.20	3	0.60
	Munnar Division						
33	Fire Awareness Campaigns			Nos.	0.20	5	1.00
				Subtotal		15	3.00
				Total		110	22.00



Fire fighting Equipments							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
1	Fire Fighting Equipments			Nos.			0.40
Achencoil Division							
2	Fire Fighting Equipments			Nos.			0.30
Ranni Division							
3	Fire Fighting Equipments			Nos.			0.50
Thiruvananthapuram Division							
4	Fire Fighting Equipments			Nos.			0.40
Konni Division							
5	Fire Fighting Equipments			Nos.			0.40
Subtotal							2.00
High Range Circle, Kottayam							
Kottayam Division							
6	Fire Fighting Equipments			Nos.			0.40
Kothamangalam Division							
7	Fire Fighting Equipments			Nos.			0.40
Munnar Division							
8	Fire Fighting Equipments			Nos.			0.40
Marayur Division							
9	Fire Fighting Equipments			Nos.			0.40
Mankulam Division							
10	Fire Fighting Equipments			Nos.			0.40
Subtotal							2.00
Central Circle, Thrissur							



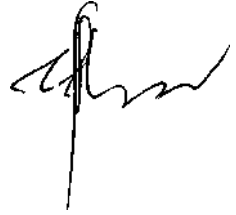
	Thrissur Division					
11	Fire Fighting Equipments			Nos.		0.50
	Chalaky Division					
12	Fire Fighting Equipments			Nos.		0.50
	Vazhachal Division					
13	Fire Fighting Equipments			Nos.		0.50
	Malayattoor Division					
14	Fire Fighting Equipments			Nos.		0.50
	Subtotal					2.00
	Eastern Circle, Palakkad					
	Nilambur North Division					
15	Fire Fighting Equipments			Nos.		0.40
	Nilambur South Division					
16	Fire Fighting Equipments			Nos.		0.40
	Mannarkkad Division					
17	Fire Fighting Equipments			Nos.		0.40
	Palakkad Division					
18	Fire Fighting Equipments			Nos.		0.40
	Nemmara Division					
19	Fire Fighting Equipments			Nos.		0.40
	Subtotal					2.00
	Northern Circle, Kannur					
	Kasaragod Division					
20	Fire Fighting Equipments			Nos.		0.40
	Kannur Division					
21	Fire Fighting Equipments			Nos.		0.40
	Kozhikode Division					
22	Fire Fighting Equipments			Nos.		0.40
	North Wayanad Division					



23	Fire Fighting Equipments			Nos.			0.40	
	South Wayanad Division							
24	Fire Fighting Equipments			Nos.			0.40	
	Subtotal							2.00
	Wildlife Palakkad							
	Wayanad Division							
25	Fire Fighting Equipments			Nos.			0.20	
	Wayanad Division							
26	Fire Fighting Equipments			Nos.			0.20	
	Wayanad Division							
27	Fire Fighting Equipments			Nos.			0.20	
	Wayanad Division							
28	Fire Fighting Equipments			Nos.			0.20	
	Wayanad Division							
29	Fire Fighting Equipments			Nos.			0.20	
	Subtotal							1.00
	FD PT Kottayam							
	Periyar East Division							
30	Fire Fighting Equipments			Nos.			0.25	
	Periyar West Division							
31	Fire Fighting Equipments			Nos.			0.25	
	Idukki Division							
32	Fire Fighting Equipments			Nos.			0.25	
	Munnar Division							
33	Fire Fighting Equipments			Nos.			0.25	
	Subtotal							1.00
	ABP Circle							
	Wildlife Thiruvananthapuram							
34	Fire Fighting Equipments			Nos.			0.60	




	Wildlife Shendurney						
35	Fire Fighting Equipments			Nos.			0.40
				Subtotal			1.00
				Total			13.00



Creation of Fire Break							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
	Creation of Fire break	N 08°55'41.1" E 76°54'51.7"	Anchal Range	KM	0.16	20	3.20
	Creation of Fire break	N 09°03.32.8 E 76.58.58.5	Ambanar Forest Station	KM	0.16	15	2.40
	Creation of Fire break	N 09°05.57.0 E 76°55.29.3	Punnala Model FS	KM	0.16	15	2.40
Ranni Division							
	Creation of Fire break	N 9 14' 5.80" N 9 14' 50.50" N 9 21' 47.53" E 77 01' 49" E 77 08' 25.1" E 76 55' 9.56" N 9 14' 5.80" N 9 14' 50.50" N 9 21' 47.53" E 77 01' 49" E 77 08' 25.1" E 76 55' 9.56"	Ranni Vadasserikkara Goodrical	KM	0.16	30	4.80
Subtotal						80.00	12.80
High Range Circle, Kottayam							
Kottayam Division							
	Creation of Fire break	N 09° 48' 32.48" E 76° 53' 22.29"	Meenmutty to Kulamavu	KM	0.16	3	0.48
	Creation of Fire break	N 09° 50' 51.35" E 76° 57' 30.02	Paremnave to 5th Mile	KM	0.16	4	0.64

Creation of Fire break	N 09°28'29" E 76°53'69" N 09°29'46" E 76°53'35"	Koyikkakavu- Pakkanam	KM	0.16	3	0.48
Creation of Fire break	N 09°27'16.73" E 76°48'28.01" N 09°27'53.06" E 76°48'51.86"	Mukkada- Karimbithodu	KM	0.16	3	0.48
Creation of Fire break	N 09°27'01" E 76°53'72" N 09°27'50" E 76°53'13"	Payasampadi- Koppam	KM	0.16	3	0.48
Creation of Fire break	N 9.53384° E 76.88408° N 9.49062° E 76.93835°	Panackachira- Idivettumpara	KM	0.16	4	0.64
Mankulam Division						
Creation of Fire break	N 10 06 30.8 E 76 56 06.9 N 10 07 15.2 E 76 55 54.8	Pallithandu to Chinnarkuthu in Mankulam Range	KM	0.16	3	0.48
Creation of Fire break	N 10 07 26.8 E 76 54 30.4 N 10 07 24.0 E 76 54 29.9	Virinjpara bamboo plantation in Mankulam Range	KM	0.16	3	0.48
Creation of Fire break	N 10 05 05.5 E 76 57 29.2 N 10 06 03.1 E 76 56 21.0	Viripara to Munipara in Mankulam Range	KM	0.16	4	0.64



Creation of Fire break	N 10 07 20.1 E 76 56 47.4 N 10 70 3.9 E 76 58 06.8	Banglavuthara to 33 area in Mankulam Range	KM	0.16	2	0.32	
Creation of Fire break	N 10 09 59.9 E 76 55 53.2 N 10 08 53.6 E 76 57 07.4	Kozhiyala to Murimukku in Anakulam Range	KM	0.16	2.5	0.40	
Creation of Fire break	N 10 09 53.7 E 76 55 41.9 N 10 10 36.3 E 76 56 52.9	1st block to Valiyavarathand u in Anakulam Range	KM	0.16	2	0.32	
Kothamangalam Division							
Creation of Fire break	N 10 0 45.5 E 76 49 37 8	Edakkara to Kanjippara Area	KM	0.16	8	1.28	
Creation of Fire break	N 10 1 20 4 E 76 46 56 3	1969 TP to Nada area	KM	0.16	2	0.32	
Creation of Fire break	N 10 1 56 E 76 48 3.3	1977 TP to Potta	KM	0.16	3	0.48	
Creation of Fire break	N 10 0 56 E 76 45 54	District Boundary to Pallikkavala	KM	0.16	2	0.32	
Creation of Fire break	N 10 1 11 E 76 43 57	Chattaamattom to Chirkkunnampa di	KM	0.16	6	0.96	
Creation of Fire break	N 10 07 33.843 E 76 41 04.228	Thattekkadu Road	KM	0.16	2.5	0.40	
Marayoor Division							
Creation of Fire break	N 10 16 39.44 E 77 09 30.64	Marayoor Division	KM	0.16	20	3.20	
Subtotal						80.00	12.80



Eastern Circle, Palakkad							
Nilambur North Division							
Creation of Fire break	N 11 23 10.00 N 11 23 34.00 E 76 212 16.30 E 76 17 8.00	Edavanna, Nilambur and Vazhikadavu Range	KM	0.16	20	3.20	
Nilambur South Division							
Creation of Fire break	N 11 17 16.08 N 11 17 14.40 N 11 18 26.82 E 76 21 2.32 E 76 22 43.69 E 76 20 00.10	Vattikkal, Ezhuthukkal, Mundakadavu	KM	0.16	22	3.52	
Mannarkkad Division							
Creation of Fire break	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	KM	0.16	20	3.20	
Palakkad Division							
Creation of Fire break	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	KM	0.16	15	2.40	
Nemmara Division							

	Creation of Fire break	N 10 30 09.00 N 10 38 08 .00 N 10 30 21.57 N 10 35 21.38 N 10 36 45.80 N 10 34 24.90 E 76 28 33.00 E 76 30 20.00 E 76 34 00.64 E 76 48 289 E 76 36 21.61 E 76 40 28.00	Around vizhimala UTT area, Malayapothikun nu, Vellaparakunnu, Palakuzhy corporation kadu, Thampurankadu, Kaikatti, Pothundy, Thiruvazhiyode, Cherunelli, Talipadam	KM	0.16	23	3.68
	Subtotal					100.00	16.00
Central Circle, Thrissur							
Vazhachal Division							
	Creation of Fire Break	N 10°19'00.0", E 76°38'07.6"	Peringal - Karamthodu	KM	0.16	6	0.96
	Creation of Fire Break	N 10°18'30.15", E 76°34'30.10"	Vazhachal - Puliyilappara	KM	0.16	5	0.80
	Creation of Fire Break	N 10°18'23.70", E 76°37'50.58"	Puliyilappara- Anamukku	KM	0.16	5	0.80
	Creation of Fire Break	N 10°19'27.7", E 76°35'10.6"	Pachakkad - Noottudumban	KM	0.16	6	0.96
	Creation of Fire Break	N 10°21'02.6", E 76°37'50.9"	Noottudumban - Karamthodu	KM	0.16	6	0.96
	Creation of Fire Break	N 10°19'51.0", E 76°35'21.0"	Pachakkad - Irumbupalam	KM	0.16	8	1.28
	Creation of Fire Break	N 10°31'286 E 76°70'870	57th Km - Anakkayam	KM	0.16	5	0.80



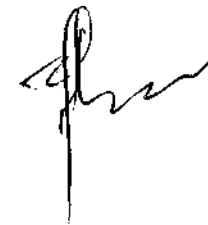
Creation of Fire Break	N 10°17'55.101", E 76°35'8.287"	Pokalappara to Anakayam Repra Area Karadippara area	KM	0.16	15	2.40	
Creation of Fire Break	N 10 °18' 45.6" E 76 ° 42' 39.9"	Pottankallu to Thottapura	KM	0.16	6	0.96	
Creation of Fire Break	N 10 ° 16' 31.30" E 76 ° 42' 59.69"	Thavalakuzhipar a to Mechappilly	KM	0.16	3	0.48	
Creation of Fire Break	N 10 ° 18.' 7.41" E 76 ° 41' 40.42"	Ambalappara to Pathadipalam	KM	0.16	5	0.80	
Creation of Fire Break	N 10 °19.'22.654" E 76 ° 34' 8.954"	Muthuvarachal - Kundoormedu Athirapilly- Dormitory Kannankuzhy- Kundoormedu	KM	0.16	13	2.08	
Malayattoor Division							
Creation of Fire Break	N 10° 12 89.20 E 76° 32 51.80 N 10 12 57.499 E 76 34 30.80 N 10 9 5.37 E 76 44 49.68 N 10 10 51.79 E 76 40 45.49	Malayattoor All Ranges	KM	0.16	7	1.12	
Subtotal						90.00	14.40

Northern Circle, Kannur							
Kannur Division							
Creation of Fire break	N 11° 50' 149" E 75° 41' 216" N 11° 48' 318" E 75° 41' 787" N 11° 50' 391" E 75° 41' 143" N 11° 50' 194" E 75° 42' 889"	Panniyode- Narikkode Changalagate- Peruva	KM	0.16	11.00	1.76	
	N 11° 50' 45.9" E 75° 40' 27"	Paithalmaia Kottiyoor	KM	0.16	15.00	2.40	
North Wayanad Division							
Creation of Fire break	N 11 54' 38.79" E 75 54' 38.74"	CRP Kunnu	KM	0.16	5	0.80	
	N 11 50' 467" E 75 5' 474"	Chapparam	KM	0.16	5	0.80	
	N 11 49 ' 05.8" E 75 49' 06.2"	Pannimukkantha ra	KM	0.16	2.5	0.40	
	N 11 49 ' 11.0" E 75 49' 04.02"	Theerthavukunn u	KM	0.16	3.5	0.56	
	N 11 49 ' 23.0" E 75 48' 58.0"	Kocharavayal	KM	0.16	2.0	0.32	
	N 11 49 ' 26.7" E 75 49' 04.8"	Parappara	KM	0.16	1.5	0.24	
Kozhikode Division							
Creation of Fire break	N 11° 294 13.28 E 76° 01 23.12	Ghat Area of Thamarassery	KM	0.16	15	2.40	
	N 11° 75' E 76° 20' N 11° 76' E 75° 38'	Peruvannamuzhy Range	KM	0.16	15	2.40	
South Wayanad Division							

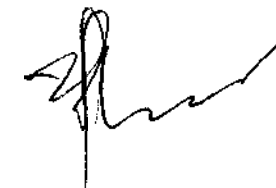
Creation of Fire break	N 11° 74 5588 E 76° 218 340	Moonanakuzhy Pambra Irulam FS	KM	0.16	4	0.64
	N 11° 720 74 E: 76° 207 47	Maramala Irulam FS	KM	0.16	1.5	0.24
	N 11° 76 974 E 76° 21741	Anapanthy irulam Fs	KM	0.16	3	0.48
	N 11°795400, E 76°095201	Pakkom - Sarambi	KM	0.16	2	0.32
	N 11.802704, E 76.109314	Kadukkamarach al	KM	0.16	2	0.32
	N 11.760609, E 76.162428	kalluvayal	KM	0.16	2	0.32
	N 11.771398, E 76.132898	Naikupa	KM	0.16	2	0.32
	N 11.805544, E 76.107885	Kuruva road	KM	0.16	2	0.32
	N 11 33 21.1 E 76 03 54.1	Veettikkunnu area	KM	0.16	1.5	0.24
	N 11 31 58.7 E 76 13 39.1	Shekarankundu	KM	0.16	1.5	0.24
	N 11 28 01.0 E 76 09 15.4	Pachakkadu	KM	0.16	1.5	0.24
	N 11 32 35.8 E 76 11 44.2	Nasranikkadu	KM	0.16	1.5	0.24
Subtotal					100.00	16.00
Wildlife Palakkad						
South Wayanad Division						
Creation of Fire break	N 11°39'44 E 76°18'21	Bathery Range	KM	0.16	10	1.60
	N 11°.63444 E 76°. 40677	Muthumalakallu Trijunction at muthanga Range	KM	0.16	10	1.60

		N 11°.70523 E 76°.40867	Trijunction - NH 766 at Muthanga Range	KM	0.16	10	1.60
PKMTR Division							
	Creation of Fire break	E 76.80870, N 10.44624, E 76.79247, N 10.48270, E 76.83680, N 10.52317, E 76.76485, N 10.41556, E 76.82428, N 10.40914	Vengoli, Parambiyar, Anappady, Elathode, Peruvvari, Chettivara sections.	KM	0.16	15	2.40
SVNP Division							
	Creation of Fire break	N 11° 03'51.00" E 76 ° 32'15.00"	Bhavani/Silentva lley	KM	0.16	10	1.60
Peechi Division							
	Creation of Fire break	N 10°31'50.66" E 76°22'45.61" N 10°42'52.36" E 76°28'20.41" N 10°31'50.66" E 76°22'45.61"	Peechi,Chulannu r and Chimmony WLS	KM	0.16	15	2.40
Subtotal						70.00	11.20
FDPT Kottayam							
Periyar East Division							
	Creation of Fire break	N 9°36'04.75" E 77°10'03.17"	Thekkady, Periyar and Vallakkadavu	KM	0.16	15	2.40
Periyar West Division							

	Creation of Fire Break	N 09° 29' 44.5" E 77° 03' 45.8" N 09° 28' 24.3" E 77° 05' 38.6" N 09° 30' 46.0" E 77° 05' 36.1" N 09 29' 26.87" E 77° 07' 57.54 N 09° 24' 48.1" E 77° 04' 21.61	Choozhi Uppupara Satram Inchimala Thriveni- 4th mile to Uppupara	KM	0.16	15	2.40
Idukki Division							

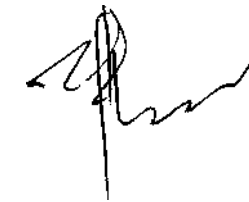


	Creation of Fire break	N 8 033' 309" E 77 0 09' 546" N 8 034' 28.3" E 77 0 12' 36.6" N 8 030' 413" E 77 0 14' 773" N 8 031' 19.2" E 77 0 13' 05.6" N 8 032' 26.8" E 77 0 16' 22.8" N 8 035' 10.7" E 77 0 13' 17.4" N 8 035' 90.1" E 77 0 10' 9.14" N 8 038' 183" E 77 0 08' 299" N 8° 36' 40.3" E 77° 06' 52.2"	Cherupunna- Vellaikone Plath- Meenmutty Ananirathi- Chokkenchadi Kolinjikave- Kinattukuzhi Thalamutty- Venkulam Bhootaka- Theerthakkara Myladumpara- Pothode Nellikapara- Podiyakkala Kuttiyirappu – Anakayathummo ola	KM	0.16	15	2.40
Shendurney Wildlife							
	Creation of Fire break	N 08° 53' 36.6" E 77° 07' 15.7" N 08°054'147.3" E 77°13'08.7" N 08°52'05.9" E 77°12'32.7"	Kalamkunnu Kalluvarambu Ettapadappu		0.16	25	4.00
			Subtotal			40.00	6.40
			Total			620.00	99.20



Establishment, Operation & Maintenance of Animal Rescue Centre and Veterinary Treatment Facility							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
1	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals	N 08°55'41.1" E 07°654'51.7" N 08°55'41.1" E 07°654'51.7"	Anchal Range	LS	1	1	3.00
Subtotal						1	3.00
High Range Circle, Kottayam							
Kottayam Division							
2	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities	N 09° 50' 50.58" E 76° 57' 38.51" N 09° 47' 52.06" E 76° 53' 36.5"	Vazhathope, Vairamany	LS	LS	1	3.00
Subtotal						1	3.00
Central Circle, Thrissur							
Thrissur Division							
3	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities	N 10° 41'29." E 76°16'06"	AFVO -Akamala	LS	LS	1	15.00
Subtotal						1	15.00
FD PT Kottayam							
Periyar West Division							

4	Establishment/ operation and maintenance of animal rescue centre, and veterinary treatment facilities for Wild animals	N 09° 32' 45" E 70° 56' 32"	RRT, Peermade	LS	LS	1	2.00
	Subtotal					1	2.00
	Wild life, Palakkad						
	SVNP						
5	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals	N 11° 03'51.00" E 76 ° 32'15.00"	Bhavani/Silentvalley	LS	LS	1	2.00
	Subtotal					1	2.00
	Total					5	25.00



Purchase of Equipments / Ration for Rapid Response Teams							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
	Purchase of equipments/ Ration for Rapid Response Teams(RRTs)		Anchal Range	LS	0.16	10	1.60
	Purchase of equipments/ Ration for Rapid Response Teams(RRTs)	N 08°55'41.1" E 76°54'51.7" N 08°55'41.1" E 76°54'51.7"	Ambanar Forest Station	LS	0.16	5	0.80
	Purchase of equipments/ Ration for Rapid Response Teams(RRTs)	N 09° 03.32.8 76° 58.58.5	E Punnala Model FS	LS	0.16	10	1.60
Subtotal							4.00
High Range Circle, Kottayam							
Kottayam Division							
	Purchase of equipments /Ration for RRTs	N 09° 50' 50.58" E 76° 57' 38.51" N 09° 47' 52.06" 07°60 53' 36.5	E Vazhathope, Vair amany	LS	LS	LS	2.00
	Purchase of equipments /Ration for RRTs	N 9°36'24.384" 77°10'11.932"	E Kumily	LS	LS	LS	1.00
Munnar Division							
	Purchase of equipments /Ration for RRTs	N 10° 4'2.63" E 77° 5'51.88"	RRT Devikulam and Internal RRT Adimlay and Neriya mangalam	LS	LS	LS	1.00
Marayoor Division							
	Purchase of equipments /Ration for RRTs	N 10° 16 39.44 E 77° 09 30.64	Marayoor Division	LS	LS	LS	1.00
Kothamangalam Division							
	Purchase of equipments /Ration for RRTs		Thodupuzha Range	LS	LS	LS	1.00



Mankulam Division							
Purchase of equipments /Ration for RRTs	N 10° 04 54.9 E 76° 57 07.6	Purchase of Equipments/Ration for Rapid Response Teams (RRTs) in Mankulam Range	Nos	0.025	40	1.00	
Subtotal						7.00	
Central Circle, Thrissur							
Thrissur Division							
Purchase of equipments /Ration for RRTs		All ranges	LS	LS	LS	1.00	
Purchase of equipments /Ration for RRTs		AFVO -Akamala	LS	LS	LS	2.00	
Purchase of equipments /Ration for RRTs		Mobile party	LS	LS	LS	1.00	
Vazhachal Division							
Purchase of equipments /Ration for RRTs		All Ranges	LS	LS	LS	1.00	
Malayattoor							
Purchase of equipments /Ration for RRTs		SFPF Range Kodanad	LS	LS	LS	1.00	
Subtotal						6.00	
Northern Circle, Kannur							
North Wayanad Division							
Purchase of Equipments/Ration for Rapid Response Teams (RRTs)	N 11° 50'20.652" E 75° 54'31.309"	Varayal	Nos	1	2	2.00	
South Wayanad Division							
Purchase of Equipments/Ration for Rapid Response Teams (RRTs)	N 11°47'40.4" E 76°10'04.7"	Chedleth Range	No	1	1	1.00	
	N 11° 33 53.7 E 76° 07 32.2	Meppady Range	No	1	1	1.00	

	N 11°36'53.36" E 76°04'27.50"	Kalpetta Range	No	1	1	1.00
			Subtotal			5.00
			Total			22.00

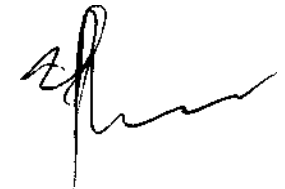


Engaging watchers to mitigate human animal conflict							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Thiruvananthapuram Division							
	Engaging Watchers to mitigate Human Animal conflict	N 08° 54 20.53 E 77° 03 27.35	Palode	MM	0.0080	200	1.60
Ranni Division							
	Engaging Watchers to mitigate Human Animal conflict	N 90° 15' 34.6" E 76° 55' 25.6" N 9° 15' 34.6" E 76° 55' 25.6"	Vadaserikara	MM	0.0080	100.00	0.80
Achencovil Division							
	Engaging Watchers to mitigate Human Animal conflict	N 9° 05' 32.41" E 77° 07' 11.38'	Achenkovil	MM	0.0080	150	1.20
Konni Division							
	Engaging Watchers to mitigate Human Animal conflict		Kummannoor	MM	0.0080	150	1.20
Thenmala Division							
	Engaging Watchers to mitigate Human Animal conflict		Thenmala, Kalluvarambu, Edamon	MM	0.0080	150	1.20
Punalur Division							
	Engaging Watchers to mitigate Human Animal conflict	N 08°55'41.1" E 76°54'51.7" N 08°55'41.1" E 76°54'51.7"	Ambanar Forest station	MM	0.0080	250	2.00
Sub Total						1000.00	8.00
High Range Circle, Kottayam							
Kottayam Division							

	Engaging Watchers to mitigate Human Animal conflict	N 09°25'57.6" E 76°49'27.66", N 09°28'19.7" E 76°55'57.8", N 09°27'63.9" E 76°53'7.8", N 09°28'0.76" E 76°53'08.5", N 09°29'58.4" E 76°59'26.96", N 09°31'54.7" E 77°03'33.0"	Kalaketty.Koikkakavu,Elivalikkara,Thumarampara,Mathampa,Mount	MM	0.0080	500.00	4.00
	Engaging Watchers to mitigate Human Animal conflict	N 09° 50' 50.58'' E 76° 57' 38.51'' N 09° 47' 52.06'' E 76° 53' 36.5	Vazhathope & Vairamany	MM	0.0080	400.00	3.20
	Engaging Watchers to mitigate Human Animal conflict	N 09°36'24.384' E 77°10'11.932"	Kumily	MM	0.0080	200.00	1.60
Munnar Division							
			5th Mile in Neriya Mangalam Range Bodimettu area of Devikulam Range Chinnakkanal area				



	Engaging Watchers to mitigate Human Animal conflict		of Devikulam Range Thevaramettu area of Devikulam Adimaly Range area Munnar Town and Mattupetty Area of Munnar Range Aruvikkadu and Devikulam Range area	MM	0.0080	500	4.00
Marayoor Division							
	Engaging Watchers to mitigate Human Animal conflict	N 10° 16 39.44 E 77° 09 30.64	Marayoor Division	MM	0.0080	500	4.00
Mankulam Division							
	Engaging Watchers to mitigate Human Animal conflict	N 10° 04 54.9 E 76° 57 07.6	Mankulam Range	MM	0.0080	150	1.20
	Engaging Watchers to mitigate Human Animal conflict	N 10° 09 27.5 E 76° 54 49.3	Anakulam Range	MM	0.0080	150	1.20
Kothamangalam Division							
	Engaging Watchers to mitigate Human Animal conflict		Man-Animal conflict area in Mankulam Range	MM	0.0080	300	2.40
	Engaging Watchers to mitigate Human Animal conflict		Man-Animal conflict area in Anakulam Range	MM	0.0080	300	2.40
Sub Total						3000.00	24.00
Eastern Circle, Palakkad							
Nilambur North Division							



	Engaging Watchers to mitigate Human Animal conflict	N 11° 23 10.00 N 11° 23 34.00 E 76° 212 16.30 E 76° 17 8.00	Edavanna, Nilambur and Vazhikadavu Range	MM	0.0080	500	4.00
Palakkad Division							
	Engaging Watchers to mitigate Human Animal conflict	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70	Olavakkode, Walayar, Ottappalam	MM	0.0080	1000	8.00
Mannarkkad Division							
	Engaging Watchers to mitigate Human Animal conflict	N 10 52 53.20 E 76 44 51.33	RRT Mannarkkad Division	MM	0.0080	1500	12.00
Nemmara Division							
	Engaging Watchers to mitigate Human Animal conflict	N 10 37 6.00 N 1040 48.00 N 10 30 19 3.00 N 10 31 261.00 N 10 35 27 22 N 10 40 51.00 E 76 31 41 E 76 34 27.00 E 76 31 28 .1 E 76 48 281.00 E 76 36 09.44 E 76 33 32.00	Mangalamdam station, Vadakkencherry, Choolannur, Thekady, Nellyampathy, Kollengode	MM	0.0080	1000	8.00
Sub Total						4000.00	32.00
Central Circle, Thrissur							
Thrissur Division							

	Engaging Watchers to mitigate Human Animal conflict		Pattikkad range	MM	0.0080	600	4.80
Malayattoor Division							
	Engaging Watchers to mitigate Human Animal conflict		Malayattoor All Ranges	MM	0.0080	400	3.20
Vazhachal Division							
	Engaging Watchers to mitigate Human Animal conflict		Vazhachal All Ranges	MM	0.0080	400	3.20
Chalakkudy Division							
	Engaging Watchers to mitigate Human Animal conflict		Chalakkudy 3 Ranges	MM	0.0080	600	4.80
Sub Total						2000.00	16.00
Northern Circle, Kannur							
Kasaragod Division							
	Engaging Watchers to mitigate Human Animal conflict		Panathoor, Ranipuram, Kottenchery, Athiyadukkam, Kasaragod area	MM	0.0080	500	4.00
Kannur Division							
	Engaging Watchers to mitigate Human Animal conflict	N 11° 50' 562" E 75° 39' 329" N 11° 51' 143" E 75° 44' 476"	Thaliparamba Iritty Kannavam Nedumpoyil	MM	0.0080	1500	12.00
Kozhikkode Division							
	Engaging Watchers to mitigate Human Animal conflict	N 11°25'23.19" E 75° 55'59.28"	Thamarassery, Kuttiady & Peruvannamuzhy	MM	0.0080	800	6.40
South Wayanad Division							

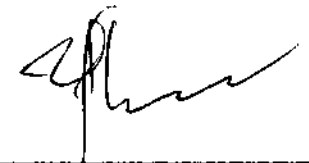
	Engaging Watchers to mitigate Human Animal conflict	N 11° 32' 58.0" E 76° 12' 53.7"	Badery Section	MM	0.0080	300	2.40
		N 11° 36' 12.0" E 76° 05' 30.5"	Muttill Section	MM	0.0080	300	2.40
		N 11° 37' 41.6" E 75° 59' 24.3"	HQ Suganthagiri Section	MM	0.0080	600	4.80
		N 11° 36' 53.36" E 76° 04' 27.50"	HQ Kalpetta Section	MM	0.0080	600	4.80
North Wayanad Division							
	Engaging Watchers to mitigate Human Animal conflict	N 11° 49' 916" E 75° 49' 778"	Neeliyott	MM	0.0080	250	2.00
	Engaging Watchers to mitigate Human Animal conflict	N 11° 49' 583" E 75° 50' 534"	Choimoola	MM	0.0080	250	2.00
	Engaging Watchers to mitigate Human Animal conflict	N 11° 44' 19.24 E 75° 49' 47.21	Valamthodu	MM	0.0080	250	2.00
	Engaging Watchers to mitigate Human Animal conflict	N 11° 47' 41.69 E 75° 50' 35.72	Churuli	MM	0.0080	250	2.00
Sub Total						5600.00	44.80
Wildlife Palakkad							
Wayanad Division							
	Engaging Watchers to mitigate Human Animal conflict	N 11.804272 E 76.213059 N 11.679389 E 76.232015	Kurichiat Range	MM	0.0080	250	2.00
SVNP Division							
	Engaging Watchers to mitigate Human Animal conflict	N 11° 03' 51.00" E 76 ° 32' 15.00"	Bhavani/Silentvalley	MM	0.0080	250	2.00
Aralam Division							
	Engaging Watchers to mitigate Human Animal conflict		Aralam, Kotiyoor-Aralam WLS	MM	0.0080	250	2.00
Wayanad Division							

Engaging Watchers to mitigate Human Animal conflict	N 10°31'50.66" E 76°22'45.61"	Peechi,Chulannur and Chimmony WLS	MM	0.0080	250	2.00
	N 10°42'52.36" E 76°28'20.41"					
	N 10°31'50.66" E 76°22'45.61"					
Sub Total					1000.00	8.00
FD PT Kottayam						
Periyar East Division						
Engaging Watchers to mitigate Human Animal conflict		Thekkady,Vallakka davu	MM	0.0080	500	4.00
Periyar West Division						
Engaging Watchers to mitigate Human Animal conflict	N 09° 32' 45" E 70° 56' 32"	RRT, Peermade	MM	0.0080	200	1.60
Idukki Division						
Engaging Watchers to mitigate Human Animal conflict	N 9°50'42.23" E 76°57'26.25"	Kizhukanam Section in IWLS	MM	0.0080	200	1.60
Engaging Watchers to mitigate Human Animal conflict	N 10°07'48.4 E 76°41'14.4	Thattekkad Section in TBS	MM	0.0080	100	0.80
Engaging Watchers to mitigate Human Animal conflict	N 10° 07'38.90 E 76° 45'08.38	Urulanthanni Section in TBS	MM	0.0080	100	0.80
Munnar Division						
Engaging Watchers to mitigate Human Animal conflict	N 10.13909 E 77.25796, N 10.00902 E 77.24033, N 10.10922 E 77.11685, N 10.12.854 E 77.15.962	Kuttikkad, Choondal, Methappu, Hnl	MM	0.0080	200	1.60

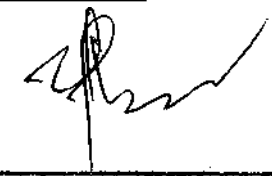
	Engaging Watchers to mitigate Human Animal conflict	N 10°17' 19.30" E 77° 10'12.31"	CWLS	MM	0.0080	200	1.60
	Engaging Watchers to mitigate Human Animal conflict	N 10° 10 15 E 77° 00 01 N 10° 08 36 E 77° 02 23 N 10° 14 22 E 77° 08 33	Thalayar, Neyammakkadu, Rajamala (3 MM x 25 days x 12 months x 3 teams)	MM	0.0080	200	1.60
	Sub Total					1700.00	13.60
	ABP Circle						
	Thiruvananthapuram Wildlife						
	Engaging Watchers to mitigate Human Animal conflict	N 08° 53' 36.6" E 77° 07' 15.7"	Kalamkunnu	MM	0.0080	80	0.64
	Shendurney Wildlife						
	Engaging Watchers to mitigate Human Animal conflict	N 08°54' 47.3" E 77° 13, 08.7"	Kalluvarambu	MM	0.0080	120	0.96
	Sub Total					200.00	1.60
	Total					18500.00	148.00



Soil & Moisture Conservation (Digging/Desilting of Water Holes)							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
Southern Circle, Kollam							
Punalur Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 22' 24" E 76° 52' 39.9"	Vadasserikkara- Adukuzhy	M ³	0.015	100	1.50
Ranni Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 22' 24" E 76° 52' 39.9"	Vadasserikkara- Adukuzhy	M ³	0.015	50	0.75
Achencovil Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 08' 19.0811 E 77° 06' 10.6811	Manakkayam	M ³	0.015	50	0.75
Koondi Division							
	Gully plugging	N 09° 05' 30.88" E 77° 02' 39.30" N 90° 05' 30.88" E 77° 02' 39.30"	Mullanchira	M ³	0.015	66	1
Thiruvananthapuram Division							
	Gully plugging	N 08° 42' 59.77" E 77° 10' 10.65"	Vithura Section of Paruthippally Range	M ³	0.015	200	3.00
	Gully plugging	N 08° 41' 17.57" E 77° 09' 92.53"	Gully Plugging at Erattapost area in Vithura Section of Paruthippally Rang	M ³	0.015	200	3.00
Sub Total						666 M³	10
High Range Circle, Kottayam							
Kothamangalam Division							



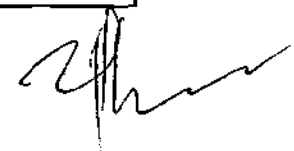
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 44' 51.68" E 76° 53' 57.78"	Gully Pugging at Kappakkanam	M ³	0.015	83	1.25
		N 09° 44' 50.71" E 76° 54' 02.34"	Gully Pugging at vairamony	M ³	0.015	83	1.25
Marayoor Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 16' 30.43" E 77° 09' 24.03 " N 10° 16' 48.34" E 77° 09' 11.6" N 10° 17' 26.50" E 77° 94' 09.6" N 10° 16' 44.59" E 77° 08' 32.20" N 10° 16' 50.30" E 77° 08' 34.8" N 10° 16' 48.34" E 77° 09' 34.32"	Karimapara, Mattumontha, Puravayal, Nellipetty, Pothady, Anchunattumpara	M ³	0.015	200	3.00
Mankulam Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 08' 43.7 E 76° 57' 52.20	Gully plugging works at Methappu in Anakulam Range	M ³	0.015	100	1.50
Sub Total						466 M³	7
Central Circle, Thrissur							
Vazhachal Division							
		N 10° 16' 13.984" E 76° 39' 30.011"	Kalakkallu	Nos.	0.25	1	0.25
		N 10° 16' 37.284" E 76° 40' 22.992"	Vachumaram	Nos.	0.25	1	0.25



Creation/ Distilation of ponds	N 10° 17' 19.449'' E 76° 35' 53.033''	Karadippara	Nos.	0.25	1	0.25
	N 10° 18' 25.43'' E 76° 34' 25.81''	Itiani 1	Nos.	0.25	1	0.25
	N 10° 18' 25.46'' E 76° 34' 13.79''	Itiani 2	Nos.	0.25	1	0.25
	N 10° 19' 48.04'' E 76° 35' 21.86''	Charlee Pond	Nos.	0.25	1	0.25
	N 10° 17'33.20'', E 76° 36'31.52''	1964 TP Karadipara	Nos.	0.25	1	0.25
	N 10° 17'41.18'', E 76°37'20.19''	Idinjapalam Check dam	Nos.	0.25	1	0.25
	N 10°21'21.54'', E 76°36'54.45''	Lakshmikulam 1	Nos.	0.25	1	0.25
	N 10° 16' 24.09'' E 76° 42' 32.10''	Kammathi	Nos.	0.25	1	0.25
	N 10° 18' 12.564'' E 76° 41' 43.8''	Pathipara	Nos.	0.25	1	0.25
	N 10° 17'45.93'' E 76° 46' 54.53''	Anakulam	Nos.	0.25	1	0.25
Soil & Moisture Conservation, Gully plugging etc.	N 10°.30589, E 76°.66896	Swamipocket - Paradi	M ³	0.015	100	1.50
Malayattoor Division						
Soil & Moisture Conservation, Gully plugging etc.	N 10° 14 9.21 E 76° 33 45.20	Kodanad	M ³	0.015	100	1.5
Soil & Moisture Conservation, Gully plugging etc.	N 10°10'50.041. E 76°40'26.436'	Thundathil	M3	0.015	66	1
Sub Total					266 M3 + 12 Nos	7
Northern Circle, Kannur						
Kannur Division						

	Soil & Moisture Conservation, Gully plugging etc.	N 12°.026597 E 75°.791830 N 12°.074647 E 75°.789167 N 11° 49' 720" E 75° 40' 652" N 11° 48' 942" E 75° 45' 557"	Ezham Kadavu Palathumkadavu Parakkad Kolappa	M ³	0.015	100	1.50
Kozhikkode Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11° 26' 14.94" E 76° 3' 46.72"	Kayyala, Gully Kanalad	M ³	0.015	100	1.50
		N 11° 26' 14.47" E 76° 03' 17.61"	Kayyala, Gully Puduppady	M ³	0.015	100	1.50
	Desiltation of Waterholes and Checkdams	N 11° 29 59.77 E 75° 59 00 60	Kakkavayal	Nos.	0.25	1	0.25
		N 11° 27 18.59 E 76° 05 56.42	Kundanthodu	Nos.	0.25	1	0.25
		N 11° 75' & N 11° 76' E 76° 20' & 75° 38'	Malabar Wild Life santuary Peruvannamuzhy Range	Nos.	0.25	1	0.25
North Wayanad Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11°.83902 E 75°.79811	MPCA	M ³	0.015	100	1.50
	Sub Total					400 M ³ + 3 Nos	7
ABP Circle							
Wildlife Division Thiruvananthapuram							

	Soil & Moisture Conservation, Gully plugging etc.	N 8° 037' 14.1" E 77° 13' 17.4" N 8° 036' 32.9" E 77 0 10' 15.7" N 8 039' 18.2" E 77 0 11' 00.6" N 8 32' 13.0" E 77 0 16' 26.9" N 8 31' 18.98" E 77 0 13' 5.28" N 8 30' 35.8" E 77 0 13' 38.5" N 8 30' 59.2" E 77° 15' 34.89"	Muttidichantheri Paneri Thankayyankovil Thalamutty Ettiyakave Kannithoonmoodu Venkulamedu	M ³	0.015	400	6.00
	Sub Total					400 M³	5.00
	FD PT Kottayam						
	Periyar West Division						
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 27' 37.3" E 77° 03' 58.3"	Choozhi	M ³	0.015	100	1.50
	Idukki Division						
	Soil & Moisture Conservation, Gully plugging etc.	N 9° 44' 20.23" E 76° 57' 58.03"	Aliyarkanam	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 9° 45' 29.0" E 76° 58' 37.0"	Chocken	M ³	0.015	100	1.50
	Munnar Division						
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 16' 01.4" E 77° 12' 10.7"	Kosavachola (Under Vannamthura P&C)	M ³	0.015	100	1.50



			Sub Total			400 M³	6.00
Eastern Circle, Palakkad							
Nemmara Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 10 36 56.2 N 10 30 19.62 N 10 29 02.2 N 10 37 07.2 N 10 36 54.7 N 10 36 44.4 N 10 34 17.44 N 10 34 24.9 N 10 35 27.22 E 76 33 22.1 E 76 31 38.62 E 76 32 07.0 E 76 32 41.1 E 76 34 01.1 E 76 32 27.5 E 76 43 51.69 E 76 44 56.5 E 76 36 09.44	Vizhumala, Karimikayan, Mannennakaya, Palakapandi, Kalliyampara, Nelliyampathi Range	M ³	0.015	100	1.50
Palakkad Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 52 51.40 E 76° 39 08.90	2022 TP Elival, 2022 TP Dhoni	M ³	0.015	100	1.50
Mannarkkad Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11 0 10 41 33 E 76 04 15 2 059	Attappady -under Mukkai and puthur station	M ³	0.015	100	1.50
Nilambur South Division							

	Soil & Moisture Conservation, Gully plugging etc.	N 11 17 59.6 N 11 17 24.86 N 11 18 9.9 N 11 18 26.4 E 76 23 59.1 E 76 24 8.37 E 76 25 29.8 E 76 23 39.78	Mollakkapara, Kuppamala, Manjeeri, Pulimunda, Moochala- Karulai Range	M ³	0.015	80	1.20
Nilambur North Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11° 23' 10" N 11° 23' 34" E 76° 21' 16.3" E 76° 17' 8"	Edavanna, Nilambur & Vazhikadavu Range	M ³	0.015	86	1
Sub Total						466 M³	7
Wildlife, Palakkad							
Wayanad Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11°.804272 E 76°.213059 N 11°.679389 E 76°.232015	Kurichiat Range	M ³	0.015	100	1.50
PKMTR Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 32 871, E 76° 83 530	Karimala, Sholayar, Kottayal, Poopara, Puliya, Kavala	M ³	0.015	100	1.50
SVNP Division							
	Soil & Moisture Conservation, Gully plugging etc.	N 11° 03'51.00" E 76 ° 32'15.00"	Bhavani/Silentvall ey	M ³	0.015	100	1.50
Peechi Division							

Soil & Moisture Conservation, Gully plugging etc.	N 10°31'50.66" E 76°22'45.61"	Peechi, Chulannur and Chimmony WLS	M ³	0.015	33	0.50
	N 10°42'52.36" E 76°28'20.41"		M ³	0.015	33	0.50
	N 10°31'50.66" E 76°22'45.61"		M ³	0.015	34	1
Sub Total					400 M³	6
Total					3464 M³ + 15 Nos	56.75



Annexure XV

Monitoring & Evaluation								
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target		
						Physical	Financial	
1	External Monitoring and evaluation of State CAMPA		State wide	LS	LS	LS	30.00	
Total								30.00



Annexure XVI

STATE CAMPA APO 2023-24							
Sl. No.	Component/Particulars of Works	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
A	Part - A - Activities under "Not less than 60%" of the Interest fund category						
(i)	To Offset the incremental cost of Compensatory Afforestation, Penal Compensatory Afforestation, CAT						
1	To offset the incremental cost of CA, penal CA, CAT plan etc.	Entire State	Thiruvananthapuram	Ls	LS	LS	5.00
2	Sitting fees and allowances to nominated members	State CAMPA Office	Thiruvananthapuram	Ls	LS	LS	1.00
3	Disbursement of Salary and Allowance to CEO & Deputy CEO	State CAMPA Office	Thiruvananthapuram	LS	LS	LS	15.00
4	Disbursement of Salary and Allowance to Project Manager cum Accountant (Rs.70,000/month),	State CAMPA Office	Thiruvananthapuram	Each	0.7	10	9.00
5	Disbursement of Salary and Allowance to Computer Operator	State CAMPA Office	Thiruvananthapuram	LS	LS	LS	5.00
6	Travel allowance and other expenses related to monitoring of CAMPA activities	State CAMPA Office	Thiruvananthapuram	Ls	LS	LS	5.00
						TOTAL	40.00
	Part A (Not less than 60% of the Fund) Total						40.00
B	Part - B - Activities under "Not more than 40%" of the Interest fund category						
(i)	Computer Equipments						
1	Procurement of Office Stationary item	State CAMPA Office	Thiruvananthapuram	LS	LS	LS	1.50

2	Procurement of Desktop Computers	State CAMPA Office	Thiruvananthapuram	Each	0.4	3	1.20	
3	Procurement of Office Furniture	State CAMPA Office	Thiruvananthapuram	Each	1	1	1.00	
4	Hiring of staff car for the use of officers and staff of the State Authority	State CAMPA Office		Ls	LS	LS	5.00	
5	Field inspections	State Level	Kerala	Ls	LS	LS	5.00	
	TOTAL							13.70
	Total Interest Fund Part							53.70


Chief Executive Officer
State CAMPA Kerala

Part IV				
STATE CAMPA APO 2023-24 (ABSTRACT)				
Sl.No.	Component/Particulars of the work	Units	As per APO	
			Physical	Financial (Rs. In Lakh)
I	Compensatory Afforestation Fund Part			
(i)	Compensatory Afforestation Works (Creation/Preparatory works)	Ha	170.30	250.50
(ii)	Compensatory Afforestation Works (Maintenance)	Ha	80.85	10.05
	Total Compensatory Afforestation Fund Part	Ha	251.15	260.55
II	Net Present Value of Forest Land Fund Part			
A	Part-A - Activities under "Not less than 80%" of the NPV fund category			
(i)	Eco-restoration of monoculture plantations to natural forests			
1	Eco-restoration activities in monoculture plantations (Creation- by planting indigenous/misc. species/preparatory works)	Ha	176.2	260.17
2	Eco-restoration activities in monoculture plantations (Maintenance)	Ha	174	60.25
	Sub Total	Ha	350.2	320.42
(ii)	Protection of Research Plots and Seed Production Areas	Ha	40	8.00
	Sub Total	Ha	40	8.00
(iii)	Strengthening Forest Protection and Anti-poaching Units			
1	Organising Joint Patrolling and Raids along interdivisional and inter-state forest boundaries	Nos	438	65.70
	Sub Total		438	65.70
(iv)	Improvement of wildlife habitat as prescribed in the approved Wildlife Management Plan/Working Plan			
1	Maintenance of Vayal (marshy grasslands which are a source of fodder for herbivores)	Ha	154.23	23.14
2	Removal of Exotic Weeds	Ha	251	25.10
3	Habitat Enrichment in degraded areas	Ha	92	37.50
	Sub Total		497.23	85.74
(v)	Forest Fire Prevention and Control Operations			
1	Engaging Fire Gangs through participatory forest management	MM	19375	155.00
2	Fire Awareness Campaigns	Nos	110	22.00
3	Fire Fighting Equipments	Nos	LS	13.00
4	Creation of fire - break	Km	620	99.20
	Sub Total			289.20
(vi)	Human Wildlife Conflict Mitigation			

1	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals.	LS	5	25.00
2	Maintenance of RRT vehicles	LS	LS	22.00
3	Engaging watchers to mitigate human animal conflict	MM	18500	148.00
	Sub Total			195.00
(vii)	Forest & Wildlife Protection			
1	Soil and Moisture Conservation Digging/Desilitation of Water Holes & Cleaning	Nos+ M ³	3464 M ³ + 15 Nos	56.75
	Sub Total			56.75
	Total: Part-A - Activities under "Not less than 80 %" of the NPV fund category			1020.81
B	Part-B - Activities under "Not more than 20%" of the NPV fund Category			
1	Monitoring and Evaluation	LS	LS	30.00
	Sub Total			30.00
	Total: Part-B Activities under "Not more than 20%" of the NPV fund category			30.00
	Total Net Present Value of Forest Land Fund Part			1050.81
III	Interest - Fund Part			
A	Part-A - Activities under "Not less than 60%" of the fund category			
(i)	To offset the incremental cost of CA, penal CA, CAT plan, salary of CEO and staff etc.	LS		40.00
	Sub Total	LS		40.00
B	Part-B - Activities under "Not more than 40%" of the fund category			
1	Procurement of Office stationary	LS		1.50
2	Procurement of Desktop computer system	Nos		1.20
3	Procurement of Office Furniture	LS		1.00
4	Hiring of staff car for the use of officers and staff of the State Authority	LS		5.00
5	Inspection & Evaluation	LS		5.00
	Sub Total			13.70
	Total Interest Fund Part			53.70
	GRAND TOTAL			1365.06

Format for Annual Plan of Operation Summary Submission 2023-24**Annual Plan of Operation (APO) for the financial year 2023-24 of Kerala State CAMPA**

1. Date of Receipt: 5th December 2022
2. Date of approval of EC of State/UT: 20th December 2022
3. Date of approval of the Steering Committee: 27th January 2023
4. Total Amount/Outlay: 13.65 Crore
5. Funds status with the State/UT along with the Outlay proposed

(Amount in Rs. Crores)

S No	CAMPA Activity	Fund available with the State/UT	Outlay proposed
1	Mandatory Activity	8,49,28,644	2,60,55,000
	CA/PCA/Additional PCA	8,33,53,644	2,60,55,000
	CAT Plan	15,75,000	0
	IWMP	0	0
	Others	0	0
2	Net Present Value	29,27,05,890	10,50,81,000
3	Interest	16,10,49,689	53,70,000
4	Other Components	79,72,879	0

6. Funds released by State Government during the FY

(Amount In Rs. Crores)

Year	APO approved by National Authority during current financial year	Fund Released by State Government	Fund Utilized by State Authority	Total Outlay for the Year
2018-19	7.96	7.96	7.84	7.96
2019-20	0	0	0	0
2020-21	15.79	15.79	10.88	16.06
2021-22	25.13	16.08	16.03	27.19
2022-23	17.26	8.5	5.56*	22

7. Financial outlays/Budgetary support under various schemes

(Rs. In Crores)

Year	CSS		CAMPA	State plan/ Scheme Fund
	Name of the scheme	Expenditure/ provisions		
2020-21	Integrated Development of Wildlife Habitats - Management of Wildlife Sanctuaries , National Parks & Kadalundi Vallikunnu Community Reserve including Protection of wildlife outside PAs	22.83	CAMPA APO Amount - 15.78	STATE PLAN Amount - Rs. 191.92
	Project Tiger	14.04		
	Project Elephant	10.01		
	National Mission for Green India	15.52		
	Forest Fire Prevention & Management Scheme	4		
	Nilgiri Biosphere Reserve	2.5		
	Agasthyamala Biosphere Reserve	3		
	Wetland Conservation	4.24		
	Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Pas	0.01		
Total	76.15	15.78	191.92	
2021-22	Integrated Development of Wildlife Habitats - Management of Wildlife Sanctuaries , National Parks & Kadalundi Vallikunnu Community Reserve	7	CAMPA APO Amount - 25.18	STATE PLAN Amount - Rs. 169.38
	Project Tiger	6.45		
	Project Elephant	5.2		
	National Mission for Green India	3.29		
	Forest Fire Prevention & Management Scheme	1.6		
	Nilgiri Biosphere Reserve	1		
	Agasthyamala Biosphere Reserve	1.2		
	Wetland Conservation	1.7		
Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Pas	6.9			
Total	34.34	25.18	169.38	

2022-23	Integrated Development of Wildlife Habitats - Management of Wildlife Sanctuaries , National Parks & Kadalundi Vallikunnu Community Reserve including Protection of wildlife outside PAs	27.7	CAMPA APO Amount - 17.26	STATE PLAN Amount - Rs. 179.33
	Project Tiger	16.75		
	Project Elephant	13		
	National Mission for Green India	10		
	Forest Fire Prevention & Management Scheme	8.02		
	Nilgiri Biosphere Reserve	4.5		
	Agasthyamala Biosphere Reserve	3		
	Wetland Conservation	4.03		
	Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Pas	10		
	Minimum support price for minor forest produce	4		
	Integrated Development of Wildlife Habitats -protection of wildlife outside Pas			
	Recovery programme for Nilgiri Tahr	0		
	Recovery programme for saving critically endangered species (General)	0		

Total

101.42

17.26

179.33

2023-24	Integrated Development of Wildlife Habitats - Management of Wildlife Sanctuaries , National Parks & Kadalundi Vallikunnu Community Reserve including Protection of wildlife outside PAs	27.1	CAMPA APO Amount - 13.65	STATE PLAN Amount - Rs. 306.93
	Project Tiger	18.5		
	Project Elephant	14		
	National Mission for Green India	35		
	Forest Fire Prevention & Management Scheme	6		
	Nilgiri Biosphere Reserve	4.5		
	Agasthyamala Biosphere Reserve	5		
	Wetland Conservation	4.04		

	Wayanad Wildlife Sanctuary for Voluntary Relocation of Settlements from Pas	10		
	Minimum support price for minor forest produce	3		
	Recovery programme for Nilgiri Tahr	1.8		
	Recovery programme for saving critically endangered species (General)	1		
	Total	129.94	13.65	306.93

8. Status of Compensatory Afforestation

(Area in Ha.)

Afforestation required as per site specific scheme submitted along with approved proposal for diversion of forest land under FC Act, 1980 till 31.03.2022			Afforestation carried out in the State as per site specific scheme till 2022-23			Afforestation to be carried out 2023-24	Afforestation carried out percentage	Total Balance upto 2024-25
(CA)	(PCA)	(CA-PCA)	(CA)	(PCA)	(CA-PCA)	(CA-PCA)	(CA-PCA)	(CA+PCA)
59025.11	0	59025.11	58701.137	0	58701.137	170.30	99.45	153.67 (170.30 Ha is proposed to be taken under CA during the FY 2023-24 from the total balance of 323.97 Ha)

9. Balance Afforestation Status

(Area in Ha.)

Balance Afforestation required as per FC Act (in ha.)	Balance Afforestation to be completed in Financial Year (in Ha)		
	2023-24	2024-25	2025-26
323.97	170.30	153.67	-

10. Details of APO are as under

(Amount in Rs. Crore and Area in Ha.)

S.No	CAF Act/Rules	Activity	Proposed Outlay		Green Employment to be generated (in Man days)	Page No	Remarks
			Physical Target	Financial Target			
1		Site-specific activities as per Section 6(a) of the CAF Act, 2016					
	Mandatory Activity	Compensatory Afforestation	251.15	2.61	29311	686	CA Creation and Maintenance
		Total site specific activities under CA	251.15	2.61			
2		Activity as per Section 5(2) of the CAF Rules, 2018					
	5(2)a	ANR	157.30	0.52	5878	690	Eco Restoration activities in monoculture plantations by planting indigenous / misc. species / preparatory works
	5(2)b	AR	192.9	2.68	30169	688	Eco Restoration activities in monoculture plantations by planting indigenous species & Maintenance
	5(2)d	Protection of Plantations and forest	40	0.74	8291	693	Protection of Research Plots and seed Production Areas

	5(2)f	Forest fire Prevention & Control operations	19375 MM + 110 Nos + 620 km	2.89	34472	713-716, 724 -735	Engaging fire gangs, Fire awareness campaigns, Purchase of fire fighting equipments and Creation of fire breaks
	5(2)g	Soil and moisture conservation works	0.35	0.57	6384	749 -756	Soil & Moisture Conservation, Gully plugging, Creation / Distillation of ponds
	5(2)i	Improvement of wildlife habitat	497.23	0.86	28758	702 712, 741 -748	Maintenance of Vayal, Removal of exotic weeds, Habitat enrichment, Engaging watchers to mitigate human animal conflict
	5(2)k	Establishment, maintenance of animal rescue centre and veterinary treatment facilities for Wild animals	LS	0.47		736	Establishment, operation and maintenance of animal rescue centre, and veterinary treatment facilities for wild animals, Maintenance of RRT vehicles
3		Activity as per Section 5(3) of the CAF Rule, 2018					
	5(3)h	Independent concurrent monitoring and evaluation and third party monitoring	LS	0.3			Third Party Monitoring and Evaluation by IFGTB
4		Activity as per Section 6(a) of the CAF Rules, 2018					
	6(a)i	To offset incremental cost of CA/PCA at increased wage rate	LS	0.05			
	6(a)iv	For disbursement of salary and allowances of members and staff	LS	0.34			
	6(a)v	For disbursement of sitting fees and allowances to nominated members	LS	0.01			
5		Activity as per Section 6(b) of the CAF Rules, 2018					

	6(b)i	Management of office establishment	LS	0.025			
	6(b)ii	Office equipment including computers and peripherals and its maintenance	LS	0.012			
	6(b)iii	Hiring of staff cars for the use of officers and officials	LS	0.05			
	6(b)vi	Any other activity for management of forests and wildlife with the approval of Steering Committee and included in the APO	LS	0.05			

*Specify the wage rate:- Rs. @800

*Specify the provision of wage employment in mandays during proposed activities :- 1.43 lakh mandays

Annexure III

1. TABLE 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)										
FC Proposal Details	CA Area as per FC proposal			CA Executed		CA Proposed for current Financial Year		Remaining CA		Interest Amount to offset incrementa cost of CA/PCA
	Project Name/Details	Area	Location	Financial	Physical	Financial	Physical	Financial	Physical	
	(in Ha.)		(in lakhs)	(in Ha.)	(in lakhs)	(in Ha.)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)
Project name and details is given in Attachment I	59025.11	Location of the projects is given in Attachment I		58701.137		170.3	250.5	153.67		

5. TABLE 5: Net Present Value (NPV) & Interest

Plantation Target as per Working Plan for Current Year	Plantation under NPV			Others Schemes		Interest Amount to offset incremental cost of NPV	Remarks
	Physical	Location	Financial	Physical	Financial		
Project Name/Details	(in Ha.)	(KML file)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)	
Project name and details is given in Attachment II	192.9	Location details for the various AR activities proposed is given in Attachment II attached with this document	268.17				Plantation targets have not yet been finalised in the State. Details will be submitted as and when such data is available.

6. TABLE 6: Net Present Value (NPV) & Interest : ANR

ANR Target as per Working Plan for Current Year	Plantation under NPV			Others Schemes		Interest Amount to offset incremental cost of NPV	Remarks
	Physical	Location	Financial	Physical	Financial		
Project Name/Details	(in Ha.)	(KML file)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)	
Project name and details is given in Attachment III	157.3	Location details for the various ANR activities proposed is given in Attachment III attached with this document	52.25				ANR targets have not yet been finalised in the State. Details will be submitted as and when such data is available.

7. TABLE 7: Net Present Value and Interest : Soil and Moisture Conservation works

Soil Conservation Target as per ICFRE DPR for Current Year	Soil conservation structures under NPV			Others Schemes		Interest Amount to offset incremental cost of NPV	Remarks
	Physical	Location	Financial	Physical	Financial		
Project Name/Details	(in Ha.)	(KML file)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)	
Project name and details is given in Attachment IV	0.35 + 15 Nos	Location of the projects is given in Attachment IV	56.75	1.126 + 101 Nos	507		

8. TABLE 8: Net Present Value and Interest : Wildlife Habitat Improvement

Target activities as per Integrated Wildlife Management Plan for Current Year	Wildlife Activities under NPV			Others Schemes		Interest Amount to offset incremental cost of Wildlife Habitat Improvement	Remarks
	Physical	Location	Financial	Physical	Financial		
Project Name/Details	(in Ha.)	(KML file)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)	
Project name and details is given in Attachment V	497.23	Location of the projects is given in Attachment V	85.74	3398 Ha + 132 Nos + 1110 MM	2013		

9. TABLE 9: Net Present Value and Interest : Fire Management

Target activities as per Integrated Fire Management Plan for Current Year	Fire Management Activities under NPV			Others Schemes		Interest Amount to offset incremental cost of Wildlife Fire Management	Remarks
	Physical	Location	Financial	Physical	Financial		
Project Name/Details	(in Ha.)	(KML file)	(in lakhs)	(in Ha.)	(in lakhs)	(in lakhs)	
Engaging Fire Gangs	19375 MM	Location of the proposed activities under 'Creation of Fire break' is given in Attachment VI	155	130500 MM	1183		
Fire Awareness Campaigns	110 Nos		22	1304 Nos	264.5		
Fire Fighting Equipments	Ls		13	75 Nos	80		
Creation of fire - break	620 km		99.2	2350 km	750		

Attachment I

1. TABLE 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)

S.No	FC Proposal Details	CA Area as per FC proposal			CA Executed		CA Proposed for current Financial Year		Remaining CA		Interest Amount to offset incremental cost of CA/PCA
		Area	Location	Financial	Physical	Financial	Physical	Financial	Physical	Financial	
		(in Ha.)		(in lakhs)	(in Ha.)	(in lakhs)	(in Ha.)	(in lakhs)	(in Ha.)	(in lakhs)	
1	220 KV line Sabarigiri Trivandrum	360.1	Ranni, Konni, Thenmala, Punalur		360.1				0		
2	110 KV line IDMLR-Chky	62	Malayattoor		62				0		
3	110 KV line Pathanamthitta-Kakkad	7.238	Ranni		7.4				-0.162		
4	Lower Periyar Hydel Project	127	Munnar		103				24		
5	Approach Road to Myladi Bridge	2.2	NBR Spl		2.2				0		
6	220 KV line Idukki-Udumalpetta	180.07	Kottayam, Munnar		180.07				0		
7	Sabarimala Facilities	10.68	Ranni, Thekkady		10.68				0		
8	VSSC, PSLV	34.52	Trivandrum		34.46				0.06		
9	KSEB diversion channel, Perigalkuthu	7.5	Vazhachal		8				-0.5		
10	220 KV line Thrissur-Kozhikode	22.4	Thrissur		22.4				0		
11	220 KV line LP-Kochi	16.41	Munnar, Kothamagalam		16.41				0		
12	221 KV line Idukki-LP	25.585	Munnar, Kothamagalam		25.59				-0.005		
13	66 KV line Thenmala - Idammon	14.152	Punalur, Thenmala		14.15				0.002		
14	Anakkayam SHEP	8	Vazhachal		8				0		
15	400 KV line Udumalpetta-Thrissur	12.615	Thrissur		12.62				-0.005		
16	220 KV line LP-Thrissur	11.347	Munnar, Chalakkudy, Vazhachal		11.35				-0.003		
17	Renewal of lease, KYATKUM	30.3	Trivandrum		30.3				0		
18	Regularization of pre 1.1.77 encroachments	57176	Many		57176				0		
19	DWS at Kottapadi	6.71	Malayattoor		6.71				0		
20	Bhoothathanketty HEP	1.96	Malayattoor		1.96				0		
21	Karikkayam SHEP	4.93	Ranni		4.93				0		
22	Ullungal SHEP	1.82	Ranni		1.82				0		
23	Kuttiyadi Augumentation Scheme	223	Wayanad (S)		141.94				81.06		

24	220 KV line Panjal-Areacode	2.6	Mannarkkad	2.6			0	
25	Idamalayar Irrigation Project	115.047	Malayattoor	102.11			12.937	
26	Widening Chalakkayam - Pamba road	3.844	Ranni	4			-0.156	
27	Jawahar Navodaya School Idukki	23.4	Kottayam	23.4			0	
28	DVCR Cochin Airport Nedumbassery	4	Kothamangalam	4			0	
29	Irrigation componenet at Pamba Kakki	2.885	Ranni	2.885			0	
30	Koodamkulam Power Project	2.116		2.12			-0.004	
31	Thottiyar Hydro Electric Project	7.626	Munnar	7.63			-0.004	
32	Koodamkulam Atomic Power Project	95.404		95.404			0	
33	Edamon Kochi 400 KV line	3.2476		3.2476			0	
34	Perumthenaruvi SHEP	6.4795	Ranni	3			3.4795	
35	Widening of NH47 between Vadakkanchery and Thrissur	27.9	Thrissur, Peechi	27.9			0	
36	Diversion of forest land for electrification of Chembanaruvi colony in Mannarappara	8.8	Punalur, Konni	8.8			0	
37	Pottayilludavu Malavaram for Christian National Evangelism	1.13	Palakkad	1.88			-0.75	
38	Electrification Peringasseri Tr.Stl.	1.5	Kothamangalam	0			1.5	
39	Firing Range CRPF elambracode	32.29	Trivandrum	0			32.29	
40	66 KV line Pamba Sabarimala	13.526	Ranni	0			13.526	
41	Weir & Channel Mukkali-Panathanthode	1.25	Mannarkkad	0			1.25	
42	Parking facility at Pamba	5	Ranni	0			5	
43	Sengulam Augmentation Sch.	5.155	Munnar	0			5.155	
44	Optical Fibre Cable, Paravoor-Achencoil	1.467	Punalur, Thenmala, Achencovil	0			1.467	
45	Vented cross bars in Kaki & Pamba	1.109	Ranni	0			1.109	
46	Meenvalom Mini Hydel Project	1.15	Mannarkkad	0			1.15	
47	Construction of MCHR at Idamalayar	2.57	Malayattoor	0			2.57	
48	Kuttiyadi HEP-Additional Extension Scheme	11.2	Kozhikode	0			11.2	
49	Kerala Blind School, Muttam	1.21	Kothamangalam	0			1.21	
50	400 KV DC-Madurai-Trivandrum	57.907	Punalur, Thenmala	0			57.907	
51	400 KV DC Madurai-Thiruvananthapuram line	23.92		0			23.92	
52	Kuttiady Additional Extension scheme	1.65	Kozhikode	0			1.65	
53	Mankulam HEP Project	11.913	Munnar	0			11.913	
54	Diversion of Forest Land for Nilakkal Base campe for Sabarimal Pilgrims	110.524	Ranni	0			110.524	
55	Palakapandy diversion scheme	3.375	Nemmara	0			3.375	

56	Diversion of Forest Land is Periyar Tiger Reserve for development of Sabarimala	12.675	PTR West		0				12.675		
57	Farm Tourism Project	2.078	Chalakkudy		0				2.078		
58	Nenmara-Nelliampathy road	4.047	Nenmara		0				4.047		
59	Mysore-Kozhikode Power line	39.842	Wayanad (S) (N) & KKD		0				39.842		
60	For fixing electric line	10.23			0				10.23		
61	Meenvallam SHEP	1.15			0				1.15		
62	Attathodu Tribal Colony	1.624	Ranni		0				1.624		
63	Re-routing 400 KV line Udumalpet Thrissur Near Kuthuran Hills	2.047	Peechi Wild Life		0				2.047		
64	Electrification of Kattachira Kudppanakkunu Tribal colony	4.955	Ranni		0				4.955		
65	CNG Pipe line in Kochi	4.33	Palakkad		0				4.33		
66	Diversion of forest land for electrification of Chembanaruvi colony in Mannarappara	4.4	Punalur (3.88) Konni (0.52)		0				4.4		
67	2014-15 and 2015-16. CA taken up as per Progress Report				42.9				-42.9		
68	2018-19. CA taken up as per Progress Report				72.66				-72.66		
69	2020-21. CA taken up as per Progress Report				11.67				-11.67		
70	2021-22 CA taken up as per Progress Report				42.84				-42.84		
71	Compensatory Afforestation works (Creation-Preparatory works)		Mampazhathara				5	5	-5		
72	Compensatory Afforestation works (Creation-Preparatory works)		Veppinkulam				5	5	-5		
73	Compensatory Afforestation works (Creation-Preparatory works)		Vandanpathal				1.5	2.25	-1.5		
74	Compensatory Afforestation works (Creation-Preparatory works)		Plachery				0.795	1.25	-0.795		
75	Compensatory Afforestation works (Creation-Preparatory works)		Ottupara				5	7.5	-5		
76	Compensatory Afforestation works (Creation-Preparatory works)		Churuli				3	4.5	-3		
77	Compensatory Afforestation works (Creation-Preparatory works)		Near Kurinji Hut				150	225	-150		

Attachment II

Part A - Activities under "Not less than 80%" of the Net Present Value Fund Category

Artificial Regeneration (AR)

Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
1	AR Activities	N 09°.02.07.9 E 76°.59.17.8	Kuravanthavalam	Ha	0.5	10	5.00
2	AR Activities	N 10°15' 41.14" E 77°07' 23.46"	Marayoor FS	Ha	2.02	23.3	47.00
3	AR Activities	E 76°29 38.70	Cherumkayam, Punnakuzhy	Ha	1.50	10	15.00
4	AR Activities	N 10° 25' 350" E 76° 55' 862"	Athirappilly FS	Ha	1.00	20	20.00
5	AR Activities	N 11°18' 31.91" E 76° 23' 36.78"	Churulipotty (Karulai Range)	Ha	1.00	20	20.00
6	AR Activities	N 09°45'31" E 76°50'18"	Valiyakandam area	Ha	0.83	1.2	1.00
7	AR Activities	N 09°44'37.55" E 76°58'59.10"	Vanmavu to Konnakuzhy area	Ha	0.83	1.2	1.00
8	AR Activities	N 08° 51 04 26 E 77° 02 17.5	Kulathupuzha	Ha	1.5	12.68	19.02
9	AR Activities	N 08° 50 34.45 E 77° 03 01.71	Kulathupuzha	Ha	1.5	23.1	34.65
10	AR Activities	N 09°49' 44.7" E 76°54' 51.9"	Vairamany FS	Ha	1.22	8.22	10.00
11	AR Activities	N 11°48'47.1" E 76°07'44.2"	Kurichipatta	Ha	2.35	25.5	60.00
12	AR Activities	N 09°54'85" E 77° 12'19."	Thondiyar Vallakkadavu range	Ha	0.83	6	5.00
13	AR Activities	N 10° 12' 53.16" E 77°15' 58.68"	Kurinji Hut area	Ha	1.5	15	22.50
14	AR Activities	N 11°37'57.8" E 75°58'54.1"	Kochumala in Suganthagiri Section	Ha	0.6	16.7	8

Attachment III

Part A - Activities under "Not less than 80%" of the Net Present Value Fund Category

Assisted Natural Regeneration (ANR)

Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
1	ANR Activities	N 08° 49 44.52 E 77° 01 56.57	Kulathupuzha	Ha	0.50	19.80	9.90
2	ANR Activities	N 10°16' 48.53" E 77°08' 36.48"	Marayoor	Ha	0.30	30.00	9.00
3	ANR Activities	N 11° 18 47.41 E 76° 06 23.18	Marathodu (Kodumpuzha FS)	Ha	0.50	1.00	0.50
4	ANR Activities	N 11° 18 14.33 E 76° 06 27.40	Edapottipoyil (Kodumpuzha FS)	Ha	0.50	2.00	1.00
5	ANR Activities	N 11° 15'53.37'' E 76° 02' 09.87''	Thudipoyil (Edakkode FS)	Ha	0.50	2.50	1.25
6	ANR Activities	N 10° 32'50.7" E 76° 21' 16.5"	Pattikkad Range	Ha	0.30	10	3.00
7	ANR Activities	N 10' 26' 38.2 E 76° 21' 49.5	Kuttenchira	Ha	0.30	14	4.20
8	ANR Activities	N 11° 35' 49" E 76° 13' 27"	Tholpetty-Wayanad WLS	Ha	0.30	50	15.00
9	ANR Activities	N 11° 35' 59" E 76° 02' 07"	Sulthan Bathery- Wayanad WLS	Ha	0.30	28	8.40

Attachment IV

NPV & Interest : Soil & Moisture Conservation works							
Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 22' 24" E 76° 52' 39.9"	Vadasserikkara-Adukuzhy	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 22' 24" E 76° 52' 39.9"	Vadasserikkara-Adukuzhy	M ³	0.015	50	0.75
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 08' 19.0811 E 77° 06' 10.6811	Manakkayam	M ³	0.015	50	0.75
	Gully plugging	N 09° 05' 30.88" E 77° 02' 39.30" N 90° 05' 30.88" E 77° 02' 39.30"	Mullanchira	M ³	0.015	66	1
	Gully plugging	N 08° 42' 59.77" E 77° 10' 10.65"	Vithura Section of Paruthippally Range	M ³	0.015	200	3.00
	Gully plugging	N 08° 41' 17.57" E 77° 09' 92.53"	Gully Plugging at Erattapost area in Vithura Section of Paruthippally Rang	M ³	0.015	200	3.00
	Soil & Moisture Conservation, Gully plugging etc.	N 09° 44' 51.68" E 76° 53' 57.78	Gully Pugging at Kappakkanam	M ³	0.015	83	1.25
	Gully plugging etc.	N 09° 44' 50.71'' E 76° 54' 02.34''	Gully Pugging at vairamony	M ³	0.015	83	1.25

	Soil & Moisture Conservation, Gully plugging etc.	N 10° 16' 30.43" E 77° 09' 24.03 " N 10° 16' 48.34" E 77° 09' 11.6" N 10° 17' 26.50" E 77° 94' 09.6" N 10° 16' 44.59" E 77° 08' 32.20" N 10° 16' 50.30" E 77° 08' 34.8" N 10° 16' 48.34" E 77°	Karimapara, Mattumontha, Puravayal, Nellipetty, Pothady, Anchunattumpara	M ³	0.015	200	3.00
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 08' 43.7 E 76° 57' 52.20	Gully plugging works at Methappu in Anakulam Range	M ³	0.015	100	1.50
	Creation/ Distilation of ponds	N 10° 16' 13.984'' E 76° 39' 30.011''	Kalakkallu	Nos.	0.25	1	0.25
		N 10° 16' 37.284'' E 76° 40' 22.992''	Vachumaram	Nos.	0.25	1	0.25
		N 10° 17' 19.449'' E 76° 35' 53.033''	Karadippara	Nos.	0.25	1	0.25
		N 10° 18' 25.43" E 76° 34' 25.81"	Itiani 1	Nos.	0.25	1	0.25
		N 10° 18' 25.46" E 76° 34' 13.79"	Itiani 2	Nos.	0.25	1	0.25
		N 10° 19' 48.04" E 76° 35' 21.86"	Charlce Pond	Nos.	0.25	1	0.25
		N 10° 17'33.20", E 76° 36'31.52"	1964 TP Karadipara	Nos.	0.25	1	0.25
		N 10° 17'41.18", E 76°37'20.19"	Idinjapalam Check dam	Nos.	0.25	1	0.25

		N 10°21'21.54", E 76°36'54.45"	Lakshmikulam I	Nos.	0.25	1	0.25
		N 10° 16' 24.09" E 76° 42' 32.10"	Kammathi	Nos.	0.25	1	0.25
		N 10° 18' 12.564" E 76° 41' 43.8"	Pathipara	Nos.	0.25	1	0.25
		N 10° 17'45.93" E 76° 46' 54.53"	Anakulam	Nos.	0.25	1	0.25
	Soil & Moisture Conservation, Gully plugging etc.	N 10°.30589, E 76°.66896	Swamipocket - Paradi	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 14 9.21 E 76° 33 45.20	Kodanad	M ³	0.015	100	1.5
	Soil & Moisture Conservation, Gully plugging etc.	N 10°10'50.041. E 76°40'26.436'	Thundathil	M3	0.015	66	1
	Soil & Moisture Conservation, Gully plugging etc.	N 12°.026597 E 75°.791830 N 12°.074647 E 75°.789167 N 11° 49' 720" E 75° 40' 652" N 11° 48' 942" E 75° 45' 557"	Ezham Kadavu Palathumkadavu Parakkad Kolappa	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 11° 26' 14.94" E 76°3'46.72"	Kayyala, Gully Kanalad	M ³	0.015	100	1.50
		N 11° 26' 14.47" E 76° 03'17.61"	Kayyala, Gully Puduppady	M ³	0.015	100	1.50
		N 11° 29 59.77 E 75° 59 00 60	Kakkavayal	Nos.	0.25	1	0.25
	Desiltation of Waterholes and Checkdams	N 11° 27 18.59 E 76° 05 56.42	Kundanthodu	Nos.	0.25	1	0.25
		N 11°75'& N11° 76' E 76°20'& 75°38'	Malabar Wild Life santuary Peruvannamuzhy Range	Nos.	0.25	1	0.25

Soil & Moisture Conservation, Gully plugging etc.	N 11°.83902 E 75°.79811	MPCA	M ³	0.015	100	1.50
Soil & Moisture Conservation, Gully plugging etc.	N 8° 037' 14.1" E 77° 13'17.4" N 8° 036' 32.9" E 77 0 10'15.7" N 8 039' 18.2" E 77 0 11' 00.6" N 8 32' 13.0" E 77 0 16' 26.9" N 8 31' 18.98" E 77 0 13' 5.28" N 8 30' 35.8" E 77 0 13' 38.5" N 8 30' 59.2" E 77°15' 34.89"	Muttidichantheri Paneri Thankayyankovil Thalamutty Ettiyakave Kannithoonmoodu Venkulamedu	M ³	0.015	400	6.00
Soil & Moisture Conservation, Gully plugging etc.	N 09°27' 37.3" E 77° 03' 58.3"	Choozhi	M ³	0.015	100	1.50
Soil & Moisture Conservation, Gully plugging etc.	N 9°44'20.23" E 76°57'58.03"	Aliyarkanam	M ³	0.015	100	1.50
Soil & Moisture Conservation, Gully plugging etc.	N 9°45'29.0" E 76°58'37.0"	Chocken	M ³	0.015	100	1.50
Soil & Moisture Conservation, Gully plugging etc.	N 10° 16' 01.4" E 77° 12' 10.7"	Kosavachola (Under Vannamthura P&C)	M ³	0.015	100	1.50

	Soil & Moisture Conservation, Gully plugging etc.	N 10 36 56.2 N 10 30 19.62 N 10 29 02.2 N 10 37 07.2 N 10 36 54.7 N 10 36 44.4 N 10 34 17. 44 N 10 34 24.9 N 10 35 27.22 E 76 33 22.1 E 76 31 38 .62 E 76 32 07.0 E 76 32 41.1 E 76 34 01.1 E 76 32 27.5 E 76 43 51.69 E 76 44 56.5 E 76 36 09 .44	Vizhumala, Karimikayan, Mannennakaya, Palakapandi, Kalliyampara, Nelliyampathi Range	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 52 51.40 E 76° 39 08.90	2022 TP Elival, 2022 TP Dhoni	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 11 0 10 41 33 E 76 04 15 2 059	Attappady -under Mukkai and puthur station	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 11 17 59.6 N 11 17 24.86 N 11 18 9.9 N 11 18 26.4 E 76 23 59.1 E 76 24 8.37 E 76 25 29.8 E 76 23 39.78	Mollakkapara, Kuppamala, Manjeeri, Pulimunda, Moochala- Karulai Range	M ³	0.015	80	1.20

	Soil & Moisture Conservation, Gully plugging etc.	N 11° 23' 10" N 11° 23' 34" E 76° 21' 16.3" E 76° 17' 8"	Edavanna, Nilambur & Vazhikadavu Range	M ³	0.015	86	1
	Soil & Moisture Conservation, Gully plugging etc.	N 11°.804272 E 76°.213059 N 11°.679389 E 76°.232015	Kurichiat Range	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 10° 32 871, E 76° 83 530	Karimala, Sholayar, Kottayal, Poopara, Puliyaala, Kavala	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 11° 03'51.00" E 76 ° 32'15.00"	Bhavani/Silentvall ey	M ³	0.015	100	1.50
	Soil & Moisture Conservation, Gully plugging etc.	N 10°31'50.66" E 76°22'45.61"	Peechi,Chulannur and Chimmony WLS	M ³	0.015	33	0.50
		N 10°42'52.36" E 76°28'20.41"		M ³	0.015	33	0.50
		N 10°31'50.66" E 76°22'45.61"		M ³	0.015	34	1

Attachment V

NPV & Interest : Wildlife habitat improvement

Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/ unit (in lakh)	Target	
						Physical	Financial
1	Maintenance of Vayal	N 08°51'35.1" E 77° 01'58.2"	Onthupacha	Ha	0.15	2	0.30
2	Maintenance of Vayal	N 09°03.44.3 E 76°98.22.1	Paravally	Ha	0.15	2	0.30
3	Maintenance of Vayal	N 09°6. 31. 78" E 77° 04 51. 29"	Manarappara	Ha	0.15	0.5	0.08
4	Maintenance of Vayal	N 11° 16 46.33 N 11° 16 40.90 N 11° 16 54.35 E 76° 21 34.35 E 76° 21 45.57 E 76° 21 49.60	Karreei, Thalkolly, Pulikkalakai, Mangandi ppadan Karulai Range	Ha	0.15	40	6
5	Maintenance of Vayal	N 10°22'48.83" E 76°29'17.30"	Cherumkayam	Ha	0.15	1	0.15
6	Maintenance of Vayal	N 10°18'42.74" E 76°33'6.29"	Nirappel	Ha	0.15	1	0.15
7	Maintenance of Vayal	N 10°17' 04.18'' E 76° 37' 37.05''	Pachilavalam Vayal	Ha	0.15	3	0.45
8	Maintenance of Vayal	N 10° 16' 17.35'' E 76° 39' 29.58''	Kalakkallu Vayal			4	0.60
9	Maintenance of Vayal	N 10° 17' 33.05'' E 76°39' 22.39''	Nursary pocket Vayal			4	0.60
10	Maintenance of Vayal	N 10°12'38.63" E 76°35' 17.33"	Kodanad	Ha	0.15	1.5	0.23
11	Maintenance of Vayal	N 11° 31' 49.8" E 75° 56' 32.5"	Peruvannamuzhy Range	Ha	0.15	5.00	0.75

12	Maintenance of Vayal	N 11° 48' 09.4" E 75° 49' 59.4"	Makkipoyyil	Ha	0.15	3.01	0.45
13	Maintenance of Vayal	N 11° 47' 13.7" E 75° 49' 27.2"	Kanchola	Ha	0.15	2.01	0.30
14	Maintenance of Vayal	N 11° 46' 13.40" E 75° 49' 12.80"	Kunkichira	Ha	0.15	2.10	0.32
15	Maintenance of Vayal	N 11° 48' 10.4" E 75° 49' 56.4"	Challuramtheri	Ha	0.15	3.11	0.47
16	Maintenance of Vayal	N 9°36'04.75" E 77°10'03.17"	Vayal Mtce at various section areas	Ha	0.15	10	1.50
17	Maintenance of Vayal	N 09° 29' 41.2" E 77° 04' 23.8" N 09° 28' 53.2" E 77° 06' 06.9" N 09° 29' 38.53" E 77° 05' 18.09" N 09° 29' 41.2" E 77° 04' 23.8" N 09° 28' 36.1" E 77° 06' 57.2"	6th Block, in IWLS 7th Block, Vellakkamali Bit I, Vellakkamali Bit II, Vellackamali Bit III, Valiyakandam, Pulinkanam Bit I, Pulinkanam Bit II, 10th Block, Chempanmally, Koottakallu Bit I, Koottakallu Bit II, Earth dam, Eriyanthadam, Arakkapadam Bit I, Arakkapadam Bit II, Arakkapadam Bit III,	Ha	0.15	20	3.00
18	Maintenance of Vayal	N 10°7'00" E 76°40'00"	Thattekkad	Ha	0.15	10	1.50

19	Maintenance of Vayal	N 11°35'49" E 76 02'07" N 11°35'59" E 76° 13'27"	Kakkery Vayal-At Tholpetty Range	Ha	0.15	5	0.75
20	Maintenance of Vayal	N 10°31'50.66" E 76°22'45.61" N 10°31'50.66" E 76°22'45.61"	Peechi and Chimmony WLS	Ha	0.15	10	1.50
21	Maintenance of Vayal	N 10.50038, E 76.80481 N 10.4925, E 76.7963 N 10.4022, E 76.70272 N 10.40217, E 76.70216 N 10.43786, E 76.7409		Ha	0.15	10	1.50
22	Maintenance of Vayal	N 11° 08'50.2" E 76 ° 27'37.3"	Bhavani/ Silent Valley	Ha	0.15	15	2.25
23	Removal of Exotic Weeds	N 09° 39' 0.0 " E 77° 00' 28.7"	Thenmala, Edamon and Kalluvarambu Section	Ha	0.10	10	1.00
24	Removal of Exotic Weeds	N 09° 08 37.46 E 77° 04 49.96	Kambiadichan para	Ha	0.10	10	1.00
25	Removal of Exotic Weeds	N 09°.01.25.0 E 77°.00.52.7	Mampazhathara	Ha	0.10	5	0.50
26	Removal of Exotic Weeds	N 09° 06 69.6 E 76° 53 .905	Kundamkulam	Ha	0.10	5	0.50
27	Removal of Exotic Weeds	N 09° 48' 42.92" E 76° 53' 24.05"	MPCA Area at Kulamavu	Ha	0.10	5	0.50
28	Removal of Exotic Weeds	N 09°34'34.42" E 76°54'53.91"	2012 Urumbikkara	Ha	0.10	9	0.90

29	Removal of Exotic Weeds	N 10 07 07.2 E 77 00 13.7	Cholamala in Anakulam Range	Ha	0.10	5	0.50
30	Removal of Exotic Weeds	N 10 10 09.9 E 76 55 54.8	Mangapara in Anakulam Range	Ha	0.10	5	0.50
31	Removal of Exotic Weeds	N 10 09 22.5 E 76 56 06.8	Kozhiyalakudy in Anakulam Range	Ha	0.10	5	0.50
32	Removal of Exotic Weeds	N 10 04 48.5 E 76 57' 56.5	Vackachan kadu area in Mankulam Range	Ha	0.10	5	0.50
33	Removal of Exotic weeds	N 10° 17' 48.9'' E 76° 38' 27.3''	Vaekolippara	Ha	0.10	5	0.50
34		N 10° 18' 42.3'' E 76° 43' 39.5''	S curve area		0.10	3	0.30
35		N 10° 16' 31.30'' E 76° 42' 59.69''	Mechappilli		0.10	3	0.30
36		N 10° 16' 28.43'' E 76° 43' 32.22''	Thumbikkaippara		0.10	3	0.30
37		N 10° 16' 36.35'' E 76° 43' 59.69''	Thoduthoni		0.10	7	0.70
38		N 10° 21' 33.75'' E 76° 38' 35.00''	parappanpara		0.10	5	0.50
39	Removal of Exotic weeds	N 10 37 10.8 N 10 36 56.1 N 10 35 27.22 E 76 32 53.2 E 76 33 22.2 E 76 36.09.44	Vizhumala & vellaparakunnu, Ayalamudi, Nelliyampathy	Ha	0.10	40	4.00
40	Removal of Exotic weeds	N 12° 30' 415'' E 75° 09' 152'	Kunduchi area of Karadukka	Ha	0.10	1	0.10
41	Removal of Exotic weeds	N 11° 59'33.2'' E 75° 40'57.3'	Iritty, Keezhpally	Ha	0.10	5	0.50
42	Removal of Exotic weeds	N 11 29 41.46 E 75 57 42.18	Kakkad	Ha	0.10	10	1.00

43	Removal of Exotic weeds	N 11 35' 43.9" E 75 55' 17.1"	Choothupara	Ha	0.10	5	0.50
44	Removal of Exotic weeds	N 11 44' 25.30" E 75 49' 46.53"	Valamthode	Ha	0.10	5	0.50
45	Removal of Exotic weeds	N 11 720 74 E 76 218 340	Maramala Irulam FS	Ha	0.10	2	0.20
46	Removal of Exotic weeds	N 11 73 288 E 76 18 860	Mariyanad Irulam FS	Ha	0.10	2	0.20
47	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Emmadi area At Tholpetty Range	Ha	0.10	2	0.20
48	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Ayyappanpara area At Tholpetty Range	Ha	0.10	2	0.20
49	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Nedunthana area At Tholpetty Range	Ha	0.10	2	0.20
50	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Aralagadha to section Boundary area At Tholpetty Range	Ha	0.10	2	0.20
51	Removal of Exotic Weeds	N 11°50' E 76° 02' N 11°59" E 76° 07"	Ammani Colony area At Tholpetty Range	Ha	0.10	2	0.20
52	Removal of Exotic Weeds	N 11°804272 E 76°213059 N 11°679389 E 76°232015	Kurichiat Range	Ha	0.10	5	0.50
53	Removal of Exotic Weeds	N 11° 08'50.2" E 76 ° 27'37.3"	Bhavani/ Silent Valley	Ha	0.10	5	0.50
54	Removal of Exotic Weeds	N 10°31'50.66" E 76°22'45.61" N 10°31'50.66" E 76°22'45.61"	Peechi and Chimmony WLS	Ha	0.10	10	1.00

55	Removal of Exotic Weeds	N 9 °47'59.9" E 77 °00'32.1" N 9 °44'00.3" E 76 °57'45.9" N 9 °48'14.410" E 76 °56'55.634" N 9 °44'48.46" E 76 °58'33.21" N 9 °44'31.921" E 76 °58'7.803" N 9 °46'28.0" E 76 °00'10.3"	Vetilappara in IWLS Erattakkanam Kothapara Perumpattumpara Kottathavalam Anapallam Konnakuzhy Nakshathrakunnu Thodupuzhakunnu Venganam Vakavanam Mozhakadavu	Ha	0.1	10	1.00
56	Removal of Exotic Weeds	N 10° 30' 56.00" E 77° 17' 59.00"	Vazhathura	Ha	0.1	7	0.70
57	Removal of Exotic Weeds	N 10° 16' 02.4" E 77° 11' 56.4"	Vannamthura	Ha	0.1	6	0.60
58	Removal of Exotic Weeds	N 10°32'82.20" E 77°21' 85.70"	Chinnar area	Ha	0.1	8	0.80
59	Removal of Exotic Weeds	N 8° 037' 24.3" E 77° 10'07.5" N 8 037' 18.0" E 77 0 8'12.3" N 8 036' 9.65" E 77 0 08' 3.09" N 8 029' 57.2" E 77 0 14' 21.8" N 8 032' 18.74" E 77 0 13'7.10"	Neduvanthodu Anakulam Quary area Ananirathi Mullayattumukku	Ha	0.1	30	3.00
60	Habitat Enrichment in degraded areas	N 08°55'41.1" E 76°54'51.7"	Anchal Range	Ha	0.50	5	2.50
61		N 09°02.07.9 E 76°59.17.8	Kuravanthavalam	Ha	0.50	5	2.50
62		N 10° 15 48.47 E 77° 12 07.55	NSR I, NSR II	Ha	0.30	30	9.00

63	Habitat Enrichment in degraded areas	N 09° 48' 42.92" E 76° 53' 24.05"	MPCA Area at Kulamave	Ha	0.20	5	1.00	
64		N 09° 43' 1.6" E 77° 01' 51.4"	PT Kanam	Ha	0.45	20	9.00	
65	Habitat Enrichment in degraded areas	N 10°23'37.60" E 76°26'28.15"	Mukkanamkuthu	Ha	0.50	2	1.00	
66	Habitat Enrichment in degraded areas	N 10 ° 11'36.9" E 76 ° 36.16.9" N 10 ° 11'14.7" E 76 ° 35.59.0"	Kottappara Reserve area, Kodanad Range	Ha	0.50	10	5.00	
67	Habitat Enrichment in degraded areas	N 10 ° 17' 1.269'' E 76 ° 39' 12.536''	Perumthod FS Area	Ha	0.50	10	5.00	
68	Habitat Enrichment in degraded areas	N 10 ° 13 '33.1'' E 76 ° ' 34. 33.8"	Erumugham FS area	Ha	0.50	5	2.50	
				Total			497.23 Ha	85.74

Attachment VI

Net Present Value & Interest : Fire Management

Sl. No.	Component/Particulars of Work	GPS Reading	Location	Unit	Rate/unit (in lakh)	Target	
						Physical	Financial
	Creation of Fire break	N 08°55'41.1" E 76°54'51.7"	Anchal Range	KM	0.16	20	3.20
	Creation of Fire break	N 09°03.32.8 E 76.58.58.5	Ambanar Forest Station	KM	0.16	15	2.40
	Creation of Fire break	N 09°05.57.0 E 76°55.29.3	Punnala Model FS	KM	0.16	15	2.40
	Creation of Fire break	N 9 14' 5.80" N 9 14' 50.50" N 9 21' 47.53" E 77 01' 49" E 77 08' 25.1" E 76 55' 9.56" N 9 14' 5.80" N 9 14' 50.50" N 9 21' 47.53" E 77 01' 49" E 77 08' 25.1" E 76 55' 9.56"	Ranni Vadasserikkara Goodrical	KM	0.16	30	4.80
	Creation of Fire break	N 09° 48' 32.48" E 76° 53' 22.29"	Meenmutty to Kulamavu	KM	0.16	3	0.48
	Creation of Fire break	N 09° 50' 51.35" E 76° 57' 30.02"	Paremnave to 5th Mile	KM	0.16	4	0.64

Creation of Fire break	N 09°28'29" E 76°53'69" N 09°29'46" E 76°53'35"	Koyikkakavu-Pakkanam	KM	0.16	3	0.48
Creation of Fire break	N 09°27'16.73" E 76°48'28.01" N 09°27'53.06" E 76°48'51.86"	Mukkada-Karimbinthodu	KM	0.16	3	0.48
Creation of Fire break	N 09°27'01" E 76°53'72" N 09°27'50" E 76°53'13"	Payasampadi-Koppam	KM	0.16	3	0.48
Creation of Fire break	N 9.53384° E 76.88408° N 9.49062° E 76.93835°	Panackachira- Idivettumpara	KM	0.16	4	0.64
Creation of Fire break	N 10 06 30.8 E 76 56 06.9 N 10 07 15.2 E 76 55 54.8	Pallithandu to Chinnarkuthu in Mankulam Range	KM	0.16	3	0.48
Creation of Fire break	N 10 07 26.8 E 76 54 30.4 N 10 07 24.0 E 76 54 29.9	Virinjpara bamboo plantation in Mankulam Range	KM	0.16	3	0.48
Creation of Fire break	N 10 05 05.5 E 76 57 29.2 N 10 06 03.1 E 76 56 21.0	Viripara to Munipara in Mankulam Range	KM	0.16	4	0.64

Creation of Fire break	N 10 07 20.1 E 76 56 47.4 N 10 70 3.9 E 76 58 06.8	Banglavuthara to 33 area in Mankulam Range	KM	0.16	2	0.32
Creation of Fire break	N 10 09 59.9 E 76 55 53.2 N 10 08 53.6 E 76 57 07.4	Kozhiyala to Murimukku in Anakulam Range	KM	0.16	2.5	0.40
Creation of Fire break	N 10 09 53.7 E 76 55 41.9 N 10 10 36.3 E 76 56 52.9	1st block to Valiyavarathandu in Anakulam Range	KM	0.16	2	0.32
Creation of Fire break	N 10 0 45.5 E 76 49 37 8	Edakkara to Kanjippara Area	KM	0.16	8	1.28
Creation of Fire break	N 10 1 20 4 E 76 46 56 3	1969 TP to Nada area	KM	0.16	2	0.32
Creation of Fire break	N 10 1 56 E 76 48 3.3	1977 TP to Potta	KM	0.16	3	0.48
Creation of Fire break	N 10 0 56 E 76 45 54	District Boundary to Pallikkavala	KM	0.16	2	0.32
Creation of Fire break	N 10 1 11 E 76 43 57	Chattaamattom to Chirkkunnampadi	KM	0.16	6	0.96
Creation of Fire break	N 10 07 33.843 E 76 41 04.228	Thattekkadu Road	KM	0.16	2.5	0.40
Creation of Fire break	N 10 16 39.44 E 77 09 30.64	Marayoor Division	KM	0.16	20	3.20
Creation of Fire break	N 11 23 10.00 N 11 23 34.00 E 76 212 16.30 E 76 17 8.00	Edavanna, Nilambur and Vazhikadavu Range	KM	0.16	20	3.20

	Creation of Fire break	N 11 17 16.08 N 11 17 14.40 N 11 18 26.82 E 76 21 2.32 E 76 22 43.69 E 76 20 00.10	Vattikkal, Ezhuthukkal, Mundakadavu	KM	0.16	22	3.52
	Creation of Fire break	N 11 02 26.90 N 11 07 57.24 N 10 52 53.20 E 76 42 46.60 E 76 35 43.20 E 76 44 51.33	Attappady, Agali & Mannarkkad	KM	0.16	20	3.20
	Creation of Fire break	N 10 52 51.40 N 10 50 48.70 N 10 49 39.80 N 10 43 36.00 E 76 39 08.90 E 76 48 31.70 E 76 47 35.70 E 76 07 40.80	Olavakkode, Walayar, Ottappalam	KM	0.16	15	2.40
	Creation of Fire break	N 10 30 09.00 N 10 38 08 .00 N 10 30 21.57 N 10 35 21.38 N 10 36 45.80 N 10 34 24.90 E 76 28 33.00 E 76 30 20.00 E 76 34 00.64 E 76 48 289 E 76 36 21.61 E 76 40 28.00	Around vizhimala UTT area, Malayapothikunnu, Vellaparakunnu, Palakuzhy corporation kadu, Thampurankadu, Kaikatti, Pothundy, Thiruvazhiyode, Cherunelli, Talipadam	KM	0.16	23	3.68
	Creation of Fire Break	N 10°19'00.0", E 76°38'07.6"	Peringal - Karamthodu	KM	0.16	6	0.96

Creation of Fire Break	N 10°18'30.15", E 76°34'30.10"	Vazhachal - Puliyilappara	KM	0.16	5	0.80
Creation of Fire Break	N 10°18'23.70", E 76°37'50.58"	Puliyilappara-Anamukku	KM	0.16	5	0.80
Creation of Fire Break	N 10°19'27.7", E 76°35'10.6"	Pachakkad - Noottudumban	KM	0.16	6	0.96
Creation of Fire Break	N 10°21'02.6", E 76°37'50.9"	Noottudumban - Karamthodu	KM	0.16	6	0.96
Creation of Fire Break	N 10°19'51.0", E 76°35'21.0"	Pachakkad - Irumbupalam	KM	0.16	8	1.28
Creation of Fire Break	N 10°31'286 E 76°70'870	57th Km - Anakayam	KM	0.16	5	0.80
Creation of Fire Break	N 10°17'55.101", E 76°35'8.287"	Pokalappara to Anakayam Repra Area Karadippara area	KM	0.16	15	2.40
Creation of Fire Break	N 10 °18' 45.6' E 76 ° 42' 39.9'	Pottankallu to Thottapura	KM	0.16	6	0.96
Creation of Fire Break	N 10 ° 16' 31.30'' E 76 ° 42' 59.69''	Thavalakuzhipara to Mechappilly	KM	0.16	3	0.48
Creation of Fire Break	N 10 ° 18.' 7.41'' E 76 ° 41' 40.42''	Ambalappara to Pathadipalam	KM	0.16	5	0.80
Creation of Fire Break	N 10 °19.'22.654'' E 76 ° 34' 8.954''	Muthuvarachal - Kundoormedu Athirapilly-Dormitory Kannankuzhy- Kundoormedu	KM	0.16	13	2.08

	Creation of Fire Break	N 10° 12 89.20 E 76° 32 51.80 N 10 12 57.499 E 76 34 30.80 N 10 9 5.37 E 76 44 49.68 N 10 10 51.79 E 76 40 45.49	Malayattoor All Ranges	KM	0.16	7	1.12
	Creation of Fire break	N 11° 50' 149" E 75° 41' 216" N 11° 48' 318" E 75° 41' 787" N 11° 50' 391" E 75° 41' 143" N 11° 50' 194" E 75° 42' 889"	Panniyode-Narikkode Changalagate-Peruva	KM	0.16	11.00	1.76
		N 11° 50'45.9" E 75° 40'27"	Paithalmala Kottiyoor	KM	0.16	15.00	2.40
	Creation of Fire break	N 11 54' 38.79" E 75 54' 38.74"	CRP Kunnu	KM	0.16	5	0.80
		N 11 50' 467" E 75 5' 474"	Chapparam	KM	0.16	5	0.80
		N 11 49 ' 05.8" E 75 49' 06.2"	Pannimukkanthara	KM	0.16	2.5	0.40

		N 11 49 ' 11.0" E 75 49' 04.02"	Theerthavukunnu	KM	0.16	3.5	0.56
		N 11 49 ' 23.0" E 75 48' 58.0"	Kocharavayal	KM	0.16	2.0	0.32
		N 11 49 ' 26.7" E 75 49' 04.8"	Parappara	KM	0.16	1.5	0.24
	Creation of Fire break	N 11° 294 13.28 E 76° 01 23.12	Ghat Area of Thamarassery	KM	0.16	15	2.40
		N 11°75' E 76°20' N 11°76' E 75°38'	Peruvannamuzhy Range	KM	0.16	15	2.40
	Creation of Fire break	N 11° 74 5588 E 76° 218 340	Moonanakuzhy Pambra Irulam FS	KM	0.16	4	0.64
		N 11° 720 74 E: 76° 207 47	Maramala Irulam FS	KM	0.16	1.5	0.24
		N 11° 76 974 E 76° 21741	Anapanthy irulam Fs	KM	0.16	3	0.48
		N 11°795400, E 76°095201	Pakkom - Sarambi	KM	0.16	2	0.32
		N 11.802704, E 76.109314	Kadukkamarachal	KM	0.16	2	0.32
		N 11.760609, E 76.162428	kalluvayal	KM	0.16	2	0.32
		N 11.771398, E 76.132898	Naikupa	KM	0.16	2	0.32
		N 11.805544, E 76.107885	Kuruva road	KM	0.16	2	0.32
		N 11 33 21.1 E 76 03 54.1	Veettikkunnu area	KM	0.16	1.5	0.24
		N 11 31 58.7 E 76 13 39.1	Shekarankundu	KM	0.16	1.5	0.24

		N 11 28 01.0 E 76 09 15.4	Pachakkadu	KM	0.16	1.5	0.24
		N 11 32 35.8 E 76 11 44.2	Nasranikkadu	KM	0.16	1.5	0.24
	Creation of Fire break	N 11°39'44 E 76°18'21	Bathery Range	KM	0.16	10	1.60
		N 11°.63444 E 76°.40677	Muthumalakallu - Trijunction at muthanga Range	KM	0.16	10	1.60
		N 11°.70523 E 76°.40867	Trijunction - NH 766 at Muthanga Range	KM	0.16	10	1.60
	Creation of Fire break	E 76.80870, N 10.44624, E 76.79247, N 10.48270, E 76.83680, N 10.52317, E 76.76485, N 10.41556, E 76.82428, N 10.40914	Vengoli, Parambiyar, Anappady, Elathode, Peruvari, Chettivara sections.	KM	0.16	15	2.40
	Creation of Fire break	N 11° 03'51.00" E 76 ° 32'15.00"	Bhavani/Silentvalley	KM	0.16	10	1.60
	Creation of Fire break	N 10°31'50.66" E 76°22'45.61"	Peechi,Chulannur and Chimmony WLS	KM	0.16	15	2.40
		N 10°42'52.36" E 76°28'20.41"					
		N 10°31'50.66" E 76°22'45.61"					
	Creation of Fire break	N 9°36'04.75" E 77°10'03.17"	Thekkady, Periyar and Vallakkadavu	KM	0.16	15	2.40

	Creation of Fire Break	N 09° 29' 44.5" E 77° 03' 45.8" N 09° 28' 24.3" E 77° 05' 38.6" N 09° 30' 46.0" E 77° 05' 36.1" N 09 29' 26.87" E 77° 07' 57.54 N 09° 24' 48.1" E 77° 04' 21.61	Choozhi Uppupara Satram Inchimala Thriveni- 4th mile to Uppupara	KM	0.16	15	2.40
	Creation of Fire break	N 9°48'22", E 76°58'46" N 9°47'57", E 76°58'35" N 9°47'43", E 76°59'07" N 9°47'47" E 77°00'09" N 9°47'02" E 76°59'43" N 9°46'41" E 76°59'59" N 9°45'01" E 76°58'45" N 9°44'21" E 76°58'51"	Arakkapadam area Ambukallu area Anjilithandu area Venganam area Vilakkukanam area Kizhakkalachi area Choriyanthandu Thengathatty Kollathikavu Chillallu Kothapara Koottakallu Kuvalettam Kumarikulam Vakavanam Thozdupuzhakunnu Arakkapadam area in IWLS	KM	0.16	15	2.40
	Creation of Fire break	N 10° 10 15 E 77° 00 01 N 10° 08 36 E 77° 02 23	Janda No.1 to Rajamala checkpoint	KM	0.16	15	2.40

	Creation of Fire break	N 8 033' 309" E 77 0 09' 546" N 8 034' 28.3" E 77 0 12' 36.6" N 8 030' 413" E 77 0 14' 773" N 8 031' 19.2" E 77 0 13' 05.6" N 8 032' 26.8" E 77 0 16' 22.8" N 8 035' 10.7" E 77 0 13' 17.4" N 8 035' 90.1" E 77 0 10' 9.14" N 8 038' 183" E 77 0 08' 299" N 8° 36' 40.3" E 77° 06' 52.2"	Cherupunna-Vellaikone Plath-Meenmutty Ananirathi-Chokkenchadi Kolinjikave-Kinattukuzhi Thalamutty-Venkulam Bhootaka-Theerthakkara Myladumpara-Pothode Nellikapara-Podiyakkala Kuttiyirappu – Anakayathumoola	KM	0.16	15	2.40
	Creation of Fire break	N 08° 53' 36.6" E 77° 07' 15.7" N 08°054'147.3" E 77°13'08.7" N 08°52'05.9" E 77°12'32.7"	Kalamkunnu Kalluvarambu Ettapadappu		0.16	25	4.00

ANNEXURE IV

DETAILS OF FINANCIAL OUTLAY FOR INTEGRATED APOs

**Physical Activities and Financial Targets under APOs of CSS, State Plan, CAMPA & any other scheme
2022-23**

S No	Activities	CAMPA		CSS (Centrally sponsored Schemes)		State Plan	
		<i>Physical</i>	<i>Financial</i>	<i>Physical</i>	<i>Financial</i>	<i>Physical</i>	<i>Financial</i>
		<i>Units</i>	<i>Rs.in crores</i>	<i>Units</i>	<i>Rs.in crores</i>	<i>Units</i>	<i>Rs.in crores</i>
1	Fire Prevention and control operations		4.23		2.4		6.91
	Engaging fire gangs through participatory forest management	26100 MM	1.95	15000 MM	0.9	51508 Ls	4.1
	Fire awareness campaigns	104 Nos	0.2	26 Nos	0.13	5 Nos	0.02
	Fire fighting equipments	90 Nos	0.46	72 Nos	0.378	1 No	0.05
	Creation of fire - break	924 Km	1.62	400 km	1	919 km	2.74
2	Wildlife Management		0.525		0.703		0.624
	Maintenance of Vayal	147.5 Ha	0.22	580 Ha	0.35	130 Ha	0.101
	Removal of exotic weeds	241 Ha	0.24	438 Ha	0.21	526 Ha	0.523
	Habitat enrichment in degraded areas	26 Nos	0.065	15 Nos	0.143	13015 Nos	0.49
	Establishment, operation and maintenance of animal rescue centre and veterinary treatment facilities for wild animals	0	0	0	0	0	0

S No	Activities	CAMPA		CSS (Centrally sponsored Schemes)		State Plan	
		Physical	Financial	Physical	Financial	Physical	Financial
		Units	Rs.in crores	Units	Rs.in crores	Units	Rs.in crores
	Maintenance of RRT vehicles	0	0	0	0	0	0
	Engaging watchers to mitigate human animal conflict	0	0	0	0	0	0
3	Forest Protection		0.88		2.925		1.9271
	Soil and Moisture Conservation, Digging/Desiltation of water holes & cleaning	1110 M ³	0.45	15065 M ³	1.474	3308 M ³	1.101
	Organising joint patrolling and raids along inter divisional and interstate forest boundaries	434 Nos	0.43	60 Nos + 35000 M ³	1.451	250 Nos	0.8261
4	Project Tiger				16.75		
5	Project Elephant				13		
6	Green India Mission				10		
7	Forest Infrastructure						
8	Vehicles						
9	Office Establishment						
10	Hiring of buildings						
11	Any other item Specify:						

DETAILS OF FINANCIAL OUTLAY FOR INTEGRATED APOs
Physical Activities and Financial Targets under APOs of CSS, State Plan, CAMPA & any other scheme
2023-24* expected

S No	Activities	CAMPA		CSS (Centrally sponsored Schemes)		State Plan	
		<i>Physical</i>	<i>Financial</i>	<i>Physical</i>	<i>Financial</i>	<i>Physical</i>	<i>Financial</i>
		<i>Units</i>	<i>Rs.in crores</i>	<i>Units</i>	<i>Rs.in crores</i>	<i>Units</i>	<i>Rs.in crores</i>
1	Fire Prevention and control operations		2.89		4.49		18.28
	Engaging fire gangs through participatory forest management	19375 MM	1.55	3000 MM	1.8	127500 MM	10.03
	Fire awareness campaigns	110 Nos	0.22	54 Nos	0.395	1250 Nos	2.25
	Fire fighting equipments	Ls	0.13	75 Nos	0.3	Ls	0.5
	Creation of fire - break	620 km	0.992	800 km	2	1550 km	5.5
2	Wildlife Management		2.8		17.56		26.2
	Maintenance of Vayal	154.23 Ha	0.23	706 Ha	0.64	100 Ha	12
	Removal of exotic weeds	251 Ha	0.25	562 Ha + 1110 MM	0.29	300 Ha + 50 Ls	0.4
	Habitat enrichment in degraded areas	92 Ha	0.375	230 Ha + 82 Nos	3.8	1500 Ha	3
	Establishment, operation and maintenance of animal rescue centre and veterinary treatment facilities for wild animals	5	0.25	95	1.22	50	2
	Maintenance of RRT vehicles	Ls	0.22	LS	2.25	Ls	4

S No	Activities	CAMPA		CSS (Centrally sponsored Schemes)		State Plan	
		Physical	Financial	Physical	Financial	Physical	Financial
		Units	Rs.in crores	Units	Rs.in crores	Units	Rs.in crores
	Engaging watchers to mitigate human animal conflict	18500 MM	1.48	135500 MM + 2 Lumpsum	9.36	60000 MM	4.8
3	Forest Protection	3464 M³ + 453 Nos	1.22	8760 M³ + 71690 MM + 227 Nos	6.1	2500 M³ + 60 Nos	2.5
	Soil and Moisture Conservation, Digging/Desiltation of water holes & cleaning	3464 M ³ + 15 Nos	0.56	8760 M ³ + 41 Nos	2.57	2500 M ³ + 60 Nos	2.5
	Organising joint patrolling and raids along inter divisional and interstate forest boundaries	438 Nos	0.65	71690 MM + 186 Nos	3.52	300 Nos	0.5
4	Project Tiger				18.5		
5	Project Elephant				14		
6	Green India Mission			300 Nos	35		
7	Forest Infrastructure						
8	Vehicles						
9	Office Establishment						
10	Hiring of buildings						
11	Any other item Specify:						