

Additional Principal Chief Conservator of Forest
CAMPA, Jharkhand



Department of Forest, Environment &
Climate Change,
Government of Jharkhand
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Letter No. 189

Dated 18.05.2021

To

Chief Executive Officer,
CAMPA National Authority
4th Floor, Block No. 3, CGO Complex
Ministry of Environment, Forest & Climate Change
Paryavaran Bhawan, New Delhi - 110003

Sub.: Submission of Annual Plan of Operation 2021-22 of Jharkhand CAMPA

Sir,

Please find enclosed the Annual Plan of Operation (APO) of Jharkhand CAMPA State Authority for the year 2021-22. The APO has been approved by the State level Steering Committee of Jharkhand CAMPA State Authority in its meeting held on 17.05.2021 under the chairmanship of Chief Secretary, Jharkhand. A copy of the proceedings of the meeting is enclosed.

2. Total amount of APO 2021-22 as approved by the Steering Committee is for Rs. 469.56 crore (Rupees four hundred sixty nine crore and fifty six lakh only).
3. The Certificate regarding the adoption of APO 2021-22 by the State Authority is annexed at page no. 191 of the APO document.
4. Following are some relevant information regarding the aforementioned APO:
 - Outlay under Rule 5(2) (Not less than 80% of NPV) = Rs. 19570.205 lakh (82.34%)
 - Outlay under Rule 5(3) (Not more than 20% of NPV) = Rs. 4196.176 lakh (17.66%)
 - Outlay under Rule 6(a) (Not less than 60% of Interest) = Rs. 820.00 lakh (82.00%)
 - Outlay under Rule 6(b) (Not more than 40% of Interest) = Rs. 180.00 lakh (18.00%)

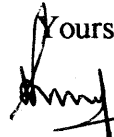
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Further, the break-up of APO components are as below:

S. No.	Component / Activities		APO 2021-22 (Rs. 46955.530 lakh)	Remarks
1	Activities related to development of forest and wildlife habitat management	Should be minimum 80% of the APO	Rs. 37581.662 lakh	80.04%
2	Activities for strengthening forest & wildlife infrastructure	Should be maximum 20% of the APO	Rs. 9373.868 lakh	19.06%

It is requested to kindly consider the approval of the APO for the year 2021-22 at an early date.

Encl-As above

Yours faithfully,

18.05.2021
(Sanjay Srivastava)
APCCF, CAMPA &
CEO, Jharkhand CAMPA

Proceedings of the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 17.05.2021

A meeting of Steering Committee of State Authority of Jharkhand CAMPA was held through videoconferencing on 17.05.2021 under the chairmanship of Chief Secretary, Jharkhand.


2. List of members present is enclosed (**Annexure- I**).
3. The agenda items were taken up for discussion and following decisions were taken:-
 - A) **Agenda No. 1**: The proceedings of the meeting of the Steering Committee held on 03.06.2020 were confirmed.
 - B) **Agenda No. 2**: The Committee noted the provisions of Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Rules, 2018, and guidelines issued by the Ministry of Environment, Forest & Climate Change, Govt. of India.

An approval of Rs. 381.06 crore for the Jharkhand CAMPA APO 2020-21 was granted by the State level Steering Committee in its meeting dated 03.06.2020. It was then sent to Govt. of India, CAMPA National Authority for its approval. The Executive Committee of CAMPA National Authority in its 7th meeting held on 30.06.2020 granted the approval of Rs. 376.56 crore for the CAMPA APO 2020-21.

The Committee discussed the progress against various schemes of APO 2020-21 as contained in the Annual Report of Jharkhand CAMPA for the year 2020-21 having summary of physical achievements, statement of Annual Account for the year and the Quarterly Progress Report ending March, 2021. The State Govt. had allotted a total budget of Rs. 251.79 crore for implementation of CAMPA APO activities against which an amount of Rs. 215.43 crore was utilized by the implementing units towards the activities under APO 2020-21. After discussion, the Annual Report 2020-21 was approved by the Committee.

Agenda No. 3: The CAMPA APO 2021-22 contains proposals with an outlay of Rs. 469.56 crore, as recommended by the Executive Committee of State CAMPA in its meeting held on 07.04.2021. The proposals placed before the Steering Committee in respect of APO 2021-22 were discussed in detail. The Govt. of India had directed that the activities to be included in the APO for 2021-22 should be taken up in accordance with the guidelines and provisions of CAF Rules. It was informed that the prescribed guidelines have been followed while preparing the said APO.

The Committee was informed about the progress of compensatory afforestation in the State. It was noted that for the year 2021-22, it has been proposed to carry out compensatory afforestation in a total area of 6,927.91 ha, which is the highest annual


18.05.2021

target of compensatory afforestation so far. The Committee observed that the efforts must be made to clear backlog of compensatory afforestation in the next three years.

The Committee was informed that the proposals under Net Present Value (NPV) component relate to protection and improvement of forests through natural forest management, forest protection, silvicultural operations, soil and moisture conservation works, biodiversity conservation measures, and anti-depredation activities, etc. These are included in the proposals for wildlife habitat improvement, weed eradication, new grassland development etc.


The Committee observed that the activities under Catchment Area Treatment Plan and Integrated Wildlife Management Plan schemes should be taken up only after getting approvals from Competent Authorities. Further, particular emphasis should be given on schemes like silvicultural operations etc. which are important for the health of forests. A long-term holistic plan for such non site-specific activities should be prepared for better results.

The Committee also noted that the State Govt. has provided an initial budget provision of Rs. 219.25 crore for implementation of APO 2021-22. As against the proposed APO of Rs. 469.56 crore, implementation of various activities therefore, in the proposed APO will be initially limited to this amount after the final approval of National CAMPA, Govt. of India and the Finance Department would be requested for allotment of balance amount of funds.

After discussion, the Steering Committee approved the CAMPA APO 2021-22 of Rs. 469.56 crore as below:

S. No.	Component	Outlay (Rs. in lakh)
1	Compensatory Afforestation	14679.605
2	Catchment Area Treatment Plan	2268.559
3	Integrated Wildlife Management Plan	5190.985
4	Net Present Value	23766.381
5	Utilization of Interest	1000.00
6	Others	50.000
	Total	46955.530

The meeting ended with a vote of thanks to the Chair.


18.05.2021
APCCF, CAMPA &
CEO, State Authority,
Jharkhand CAMPA

Annexure-I

List of participants present through videoconferencing in the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 17.05.2021

1. Shri Sukhdev Singh, Chief Secretary, Jharkhand (Chairperson)
2. Shri K. K. Khandelwal, Additional Chief Secretary, Department of Higher & Technical Education, Jharkhand, Ranchi
3. Shri L. Khiangte, Additional Chief Secretary, Department of Forest, Environment & Climate Change, Govt. of Jharkhand, Ranchi
4. Shri L. Khiangte, Additional Chief Secretary, Department of Revenue, Registration and Land Reforms, Govt. of Jharkhand, Ranchi
5. Shri P. K. Verma, Principal Chief Conservator of Forests, Jharkhand, Ranchi
6. Shri A. K. Rastogi, PCCF & Executive Director, Wasteland Development Board - cum-Nodal Officer, FC Act, Jharkhand, Ranchi
7. Shri Rajeev Ranjan, Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand, Ranchi
8. Shri Ajoy Kumar Singh, Principal Secretary, Department of Finance, Govt. of Jharkhand, Ranchi
9. Smt. Aradhana Patnaik, Secretary, Department of Rural Development, Jharkhand, Ranchi
10. Dr. Amitabh Kaushal, Secretary, Department of Scheduled Tribe, Scheduled Caste, Minority and Backward Class Welfare, Jharkhand, Ranchi
11. Shri Aboobacker Siddique P, Secretary, Department of Agriculture, Animal Husbandry & Co-operatives, Jharkhand, Ranchi
12. Shri C. D. Singh, Deputy Director General (Central), Integrated Regional Office, MoEF&CC, Ranchi
13. Shri D.K. Tewatia, Additional Principal Chief Conservator of Forests, Forest Development Agency, Jharkhand, Ranchi
14. Dr. Sanjay Srivastava, Additional Principal Chief Conservator of Forests, CAMPA, Jharkhand, Ranchi & CEO, State Authority (Member-Secretary)

Jharkhand CAMPA

Steering Committee Meeting of State Authority

Agenda Notes

Date : 17th May, 2021

Time : 11:30 AM

(Through virtual mode)

Agenda No. 1

Confirmation of the proceedings of the last meeting of the Jharkhand CAMPA Steering Committee

The proceedings of the last meeting of the State CAMPA Steering Committee held on 03.06.2020 placed at **Annexure-1** were circulated to all the members. No comments were received from any member in this regard.

Confirmation of the minutes of the said meeting by the Steering Committee is solicited.

Agenda No. 2

Annual Report and Progress of FY 2020-21

An approval of Rs. 381.06 crore for the Jharkhand CAMPA APO 2020-21 was granted by the State level Steering Committee in its meeting dated 03.06.2020. It was then sent to Govt. of India, CAMPA National Authority for its approval. The Executive Committee of CAMPA National Authority in its meeting held on 30.06.2020 granted the approval of Rs. 376.56 crore for the CAMPA APO 2020-21. The State Govt. allotted the budget of Rs. 251.29 crore for implementation of CAMPA APO activities through the initial and second supplementary budget. An expenditure of Rs. 215.43 crore was incurred by the implementing units towards activities under the APO.

The Annual Report of Jharkhand CAMPA for the year 2020-21 consists of decisions of Executive and Steering Committee meetings during the year, brief of the Annual Plan of Operations for 2020-21, status of funds, statement of Annual Account and the Quarterly Progress Report upto 31st March, 2021.

The Steering Committee may like to peruse and approve the same.

Agenda No. 3

Annual Plan of Operations for FY 2021-22

For the year 2021-22, an APO of Rs. 469.56 crore has been prepared based on proposals received from field formations and in accordance with the provisions of Compensatory Afforestation Fund Rules, 2018.

The proposed APO 2021-22 consists of six parts: **Part-1** contains site-specific activities, both ongoing and new ones, pertaining to 'Compensatory Afforestation' and compliance of other conditions imposed by Govt. of India while according forest clearance under FC Act. **Part-2** contains activities proposed under 'Catchment Area Treatment Plan'. **Part-3** contains proposals under 'Integrated Wildlife Management Plan'. **Part-4** contains activities, both ongoing and new ones, as permissible under 'Net Present Value' (NPV). **Part-5** contains 'Utilization of interest' accrued on deposits in State Fund, and **Part-6** contains activities under 'Others' component.

A summary of Part-wise outlay is given below :-

Part-wise APO 2021-22		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance works under ongoing schemes	4026.184
1.B	New works	10653.421
	Sub-total	14679.605
2	Catchment Area Treatment Plan	2268.559
3	Integrated Wildlife Management Plan	5190.985
4	Net Present Value (NPV)	
4.A	Completion and maintenance works under ongoing schemes	2420.875
4.B	New works	21345.507
	Sub-total	23766.381
5	Interest	
5.A	Conservation and development of forest and wildlife	820.000
5.B	Non-recurring and recurring expenditure of State Authority	180.000
	Sub-total	1000.000
6	Others	50.000
	Total	46955.530

The APO contains physical and financial targets proposed under different categories, major works under CA/PCA component being completion work in 3,713.516 ha, maintenance work in 15,905.683 ha and advance work in 6,927.906 ha under Block Plantations, besides other condition compliance works. Highest priority has been accorded to speed up clearing of backlog of compensatory afforestation. The APO also contains proposals under Catchment Area Treatment (CAT) Plan and Integrated Wildlife Management Plan (IWMP) for various forest divisions.

Further, under NPV component, Silviculture, Natural Regeneration & soil & moisture conservation scheme second year work in 11,130.00 ha, maintenance of block plantations in 3491.50 ha, Silviculture, Natural Regeneration & soil & moisture conservation maintenance for 18323.250 ha, and first year work for 11,445.00 ha is proposed. Further, the proposals contain maintenance of permanent and Hi-Tech nurseries, infrastructure facilities for frontline staff, promotion of solar energy and energy saving devices, evaluation of CAMPA works, wildlife habitat improvement and related works etc.

The work of forest certification in terms of sustainable forest management (SFM) is proposed to be carried out in six forest divisions (one in each Forest Region of the State) through accredited Certification Bodies. Trainings in foods safety and food certification (FoSTaC training) shall be provided to representatives of Self Help Groups (SHGs)/Micro- enterprises from various types of forest produce collected from forests in Jharkhand such as jungle honey, fruits, chironji (piyar) etc.

LiDAR (Light Detection and Ranging) technology is proposed to be used to boost soil and moisture conservation and improve the forest quality in one major ridge area inside a forest block as per the Detailed Project Report (DPR) prepared by the Government of India.

Govt. of India, Ministry of Environment, Forest & Climate Change had transferred an amount of Rs. 4,158 crore vide its letter no. 11-100/2015-FC dated 29.08.2019 towards the State share of Jharkhand. The State Govt. has provided the budget provision of Rs. 219.25 crore for implementation of CAMPA APO 2021-22 activities. As against the proposed APO of Rs. 469.56 crore, implementation of various activities therefore, in the proposed APO will be initially limited to this amount after the final approval of National CAMPA, Govt. of India and a request will subsequently be made to the State Govt. for allotment of balance amount of funds in the supplementary of budget grants.

The partly or fully deferred activities thereof may be taken up in due course after availability of balance funds.

Approval of the Steering Committee on the APO 2020-21 with an outlay of Rs. 469.56 crore is solicited.

Agenda No. 4

(Any other CAMPA matter with the permission of the Chair)

कार्यालय : अपर प्रधान मुख्य वन संरक्षक, कैम्पा, झारखण्ड, राँची।

पत्रांक : 19M(22)/CAMPA/2020-21 - 221

दिनांक : 05/06/2020

सेवा में

प्रधान सचिव,
वन, पर्यावरण एवं जलवायु परिवर्तन विभाग, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक,
झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक –सह– कार्यकारी निदेशक
बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

प्रधान मुख्य वन संरक्षक, वन्य प्राणी,
एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, राँची।

प्रधान सचिव,
उच्च एवं तकनीकी शिक्षा विभाग, झारखण्ड, राँची।

उप महानिदेशक (केन्द्रीय)
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार,
क्षेत्रीय कार्यालय, श्यामली कॉलोनी, डोरण्डा, राँची।

सचिव,
योजना–सह–वित्त विभाग, झारखण्ड, राँची।

सचिव,
ग्रामीण विकास विभाग, झारखण्ड, राँची।

सचिव,
राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड, राँची।

सचिव,
अनुसूचित जनजाति, अनुसूचित जाति, अल्पसंख्यक एवं पिछड़ा वर्ग
कल्याण विभाग, झारखण्ड, राँची।

सचिव,
कृषि, पशुपालन एवं सहकारिता विभाग, झारखण्ड, राँची।

अपर प्रधान मुख्य वन संरक्षक,
राज्य वन विकास अभिकरण, झारखण्ड, राँची।

श्रीमती जमुना टुडू,
कनकीसोल, पोस्ट + थाना – चकूलिया,
जिला – पूर्वी सिंहभूम। पिन कोड – 832301

विषय : झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण (Jharkhand Compensatory Afforestation Fund Management and Planning Authority)–झारखण्ड कैम्पा राज्य प्राधिकरण की संचालन समिति (Steering Committee) की दिनांक 03.06.2020 को सम्पन्न बैठक की कार्यवाही का प्रेषण।

महाशय,

उपर्युक्त विषयक झारखण्ड प्रतिकरात्मक वनरोपण कोष प्रबंधन एवं योजना प्राधिकरण (Jharkhand Compensatory Afforestation Fund Management and Planning Authority)– झारखण्ड कैम्पा राज्य प्राधिकरण की संचालन समिति (Steering Committee) की दिनांक 03.06.2020 को मुख्य सचिव, झारखण्ड की अध्यक्षता में सम्पन्न बैठक की कार्यवाही अत्र–सह–संलग्न भेजी जा रही है।

अनु० – यथोक्त।


विश्वासभाजन,

ह०/–

अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, –सह–
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

ज्ञापांक : 19M(22)/CAMPA/2020-21 - 221 दिनांक : 05/06/2020


प्रतिलिपि:- उप सचिव, मुख्य सचिव कार्यालय, झारखण्ड, राँची को भक्त बैठक की कार्यवाही की प्रति के साथ सूचनार्थ प्रेषित।


05-06-2020
अपर प्रधान मुख्य वन संरक्षक, कैम्पा
झारखण्ड, सह-
मुख्य कार्यकारी अधिकारी, राज्य प्राधिकरण।

Proceedings of the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 03.06.2020

A meeting of Steering Committee of State Authority of Jharkhand CAMPA was held on 03.06.2020 under the chairmanship of Chief Secretary Jharkhand.

2. The list of participants is enclosed (**Annexure-1**).
3. Following decisions were taken:-
 - A) **Agenda No. 1:** The proceedings of the meeting of the Steering Committee held on 30.08.2019 were confirmed.
 - B) **Agenda No. 2:** The Committee noted the provisions of Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Rules, 2018, Accounting Procedure, notifications issued by the Govt. of Jharkhand, various instructions and guidelines issued by the Ministry, and the funds transferred by Govt. of India towards the State share of Jharkhand.
 - C) **Agenda No. 3:** An approval of Rs. 409.47 crore for the Jharkhand CAMPA APO 2019-20 was granted by the State level Steering Committee in its meeting dated 30.08.2019. It was then sent to Govt. of India for its approval. The Executive Committee of CAMPA National Authority in its meeting held on 15.10.2019 granted the approval of Rs. 399.29 crore for the CAMPA APO 2019-20. The State Govt. allotted Rs. 200.00 crore for implementation of CAMPA APO activities through the first supplementary budget. Further, as per directions of Govt. of India, an amount of Rs. 100.43 crore was released from unspent balance funds with State CAMPA bank account for the new compensatory afforestation and maintenance of old plantations undertaken in previous years and nursery works, as the plantation and its maintenance is time bound and continuous process. A total amount of Rs. 225.13 crore was spent from the State budget and Jharkhand CAMPA bank account by the implementing units towards the activities under APO 2019-20. The Committee perused the Annual Report of Jharkhand CAMPA for the year 2019-20 having summary of physical achievements, statement of Annual Accounts for the year, and the Quarterly Progress Report ending March, 2020. After discussion, the Annual Report 2019-20 was approved by the Committee.
 - (D) **Agenda No. 4:** The CAMPA APO 2020-21 contains proposals with an outlay of Rs. 381.06 crore, as recommended by the Executive Committee of State CAMPA in its meeting held on 28.02.2020. The proposals placed before the Committee in respect of APO 2020-21 were discussed in detail. The Committee observed


05.06.2020


the need to clear backlog of compensatory afforestation in coming years. It was noted that for the year 2020-21, it has been proposed to carry out compensatory afforestation in 4,570 ha, which is the highest target of compensatory afforestation so far. The Committee observed that all out efforts must be taken to clear backlog of compensatory afforestation in next three years. The Committee also noted the proposals under Net Present Value (NPV) component for protection and improvement of forests through natural forest management, forest protection, improvement of infrastructure, voluntary relocation of villages from Palamau Tiger Reserve, production of quality seedlings, etc. These also included the proposals for wildlife habitat improvement, new grassland development etc. The Committee also noted that the activities under NPV and Utilization of Interest components have been proposed as per Compensatory Afforestation Fund (CAF) Rules, 2018.

The Committee observed that any pending proposals under Catchment Area Treatment Plan as well as Integrated Wildlife Management Plan schemes should be taken up on priority in Annual Plan of Operation for the next year. It was also observed that engagement of Home Guards may be discouraged from next year and protection of forests and wildlife may be strengthened with the departmental frontline staff.

The Committee also noted that the State Govt. has provided an initial budget provision of Rs. 200.00 crore for implementation of APO 2020-21. As against the proposed APO of Rs. 381.06 crore, implementation of various activities therefore, in the proposed APO will be initially limited to this amount after the final approval of National CAMPA, Govt. of India and the State Govt. would be requested for allotment of balance amount of funds in the supplementary of budget grants.

After detailed discussion, the Steering Committee approved the CAMPA APO 2020-21 of Rs. 381.06 crore as below:

S. No.	Component	Outlay (Rs. in lakh)
1	Compensatory Afforestation	11729.314
2	Catchment Area Treatment Plan	1337.303
3	Integrated Wildlife Management Plan	5225.290
4	Net Present Value	18564.015
5	Utilization of Interest	1000.00
6	Others	250.000
	Total	38105.923

 05.06.2020

(E) **Agenda No. 5:** The Committee noted that in view of provisions of Compensatory Afforestation Fund Act, 2016 and Compensatory Afforestation Fund Rules, 2018, various posts are to be created to assist the State Authority in performance of its functions under the Act for which a proposal has been sent to the State Govt. The State Govt. may consider to expedite the creation of such posts for smooth functioning of State Authority.

The meeting ended with a vote of thanks to the Chair.


05.06.2020
**APCCF, CAMPA &
CEO, State Authority,
Jharkhand CAMPA**

Annexure-I

List of participants present in the meeting of the Steering Committee of State Authority of Jharkhand CAMPA held on 03.06.2020

1. Shri Sukhdev Singh, Chief Secretary, Jharkhand (Chairperson)
2. Dr. A. P. Singh, Principal Secretary, Department of Forest, Environment & Climate Change, Govt. of Jharkhand
3. Shri Shashi Nandkeolyar, Principal Chief Conservator of Forests, Jharkhand
4. Shri P.K. Verma, Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand
5. Shri Shashi Nandkeolyar, PCCF & Executive Director, Wasteland Development Board -cum- Nodal Officer, FC Act, Jharkhand
6. Shri S. K. Singh, Principal Secretary, Department of Higher & Technical Education, Jharkhand
7. Dr. Himani Pandey, Secretary, Department of Planning-cum- Finance, Govt. of Jharkhand
8. Smt. Aradhana Patanik, Secretary Department of Rural Development, Jharkhand
9. Shri K.K. Son, Secretary, Department of Revenue, Jharkhand
10. Dr. Amitabh Kaushal, Secretary, Department of Scheduled Tribe, Scheduled Caste, Minority and Backward Class Welfare, Jharkhand, Ranchi
11. Shri Aboobacker Siddique P, Secretary, Department of Agriculture, Animal Husbandry & Co-operatives, Jharkhand
12. Shri D.K. Tewatia, Additional Principal Chief Conservator of Forests, Forest Development Agency, Jharkhand
13. Dr. Sanjay Srivastava, Additional Principal Chief Conservator of Forests, CAMPA, Jharkhand, Ranchi & CEO, State Authority (Member-Secretary)

**Government of Jharkhand
Department of Forest, Environment and Climate Change**

JHARKHAND CAMPA

Annual Plan of Operation 2021-22

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**Jharkhand State Compensatory Afforestation Fund
Management & Planning Authority**

Jharkhand CAMPA

Annual Plan of Operation 2021-22

CONTENTS		Page No.
A	Introduction	
Part - I	Brief History and past performance	1
(a)	Brief description of forests in the state	2-4
	Forests in Jharkhand: certain issues and challenges	5-8
	Rationale for the APO 2021-22	9
	Objectives of the APO 2021-22	9
	Enactment of CAF Act, 2016; Rules, 2018; and related guidelines	9-11
(b)	Compensatory afforestation and other activities carried out in the state in last five years from the CAMPA funds	12
(c)	Forestry and other activities carried out in the state in last three years from the fund received under other schemes	12
(d)	Year-wise total forest area diverted in the various districts/ forest divisions of the state since 1980	12
(e)	Year-wise total Compensatory afforestation carried out in the state since 1980	12
(f)	Monitoring work done by the Monitoring and Evaluation wing of the State Forest Department	12
(g)	Monitoring work done by the independent monitor	12
(h)	Any other information relevant for preparing APO	13
(i)	Compliance report regarding utilization of unspent balance of Ad-hoc CAMPA	13
(j)	Components of the APO 2021-22	14
	Executive Summary	15-17
Part- II	Activities to be undertaken for compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation and for any other site specific scheme	
(a)	District/Forest Division wise details of new compensatory afforestation activities to be done as per the conditions imposed under forest clearance	18
(b)	Location, estimated cost and implementation schedule of each activity	18-19
(c)	Details of maintenance works in physical and financial terms, proposed to be undertaken in the current financial year in the case of compensatory afforestation work activities and other such activities undertaken in previous years which need maintenance for its survival and sustainability	20-21
Part- III	Activities to be undertaken from Net Present Value and Interest component referred in rule 5 and rule 6	
(a)	District/Forest Division wise details of activities to be done in the State referred to in rule 5 and 6	22-24
(b)	Location, estimated cost and implementation schedule of each activity	25-26
(c)	Details of maintenance works in physical and financial terms, proposed to be undertaken in the state on specified activities referred to in rule 5 and rule 6 undertaken in previous years which needs maintenance for its survival and sustainability	27
Part-IV	Measurable output of all physical activities and targets of each permissible activity along with the period required for achieving the measurable output	
(a)	Physical and financial target of each activity to be undertaken in measurable quantity along with the estimated cost of such activities in tabular form including details provided in part II and part III	27-29
(b)	Measurable output of all physical activities to be undertaken along with the period required for achieving the measurable output	30-33
(c)	Details of the concurrent monitoring and evaluation report including third party monitoring	34
(d)	Geo tags, basis of estimation and implementation schedule for site specific works like compensatory afforestation, penal compensatory afforestation.	34
(e)	Details of activities under 'NPV' and 'Interest' components	34
(f)	Minimum 80% of activities towards afforestation/forest development and wildlife	34

CONTENTS		Page No.
	habitat improvement	
(g)	Annual Report and Audit Report	35
(h)	Consultation with Gram Sabha/Village Forest Management Committee	35
(i)	Schedule of Rates, model estimates and minimum wages	35
Annexure-1	Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds	36-47
Annexure- 2	Forestry and other activities carried out in the state in last three years from the fund received under other schemes	48
Annexure-3	Year wise total forest area diverted in the various districts/ forest divisions of the state since 1980	49
Annexure-4	Compensatory afforestation carried out in the state	50-51
Annexure-5	Monitoring work done by the monitoring & Evaluation wing of forest Department	52-57
Annexure-6	Status of polygon uploading on e-Green watch portal	58
Annexure-7	Site details of CA, NPV works and Nurseries	59-73
Annexure-8 (i)	Third Party Evaluation Report	74-81
Annexure-8 (ii)	Independent Monitoring Group of National CAMPA	82
Annexure- 9	Details of new Compensatory afforestation	83-94
Annexure- 10	Location, estimated cost and implementation schedule of new Compensatory afforestation	95-115
Annexure- 11	Maintenance works for Compensatory afforestation	116-118
Annexure- 12	Catchment Area Treatment Plan activities	119
Annexure- 13	Wildlife management plan related activities	120-121
	Division-wise details of specified activities as per rule 5 and 6 to be undertaken from NPV and Interest component	
Annexure- 14	New Plantations related schemes & water harvesting structures	122
Annexure- 15	Forest Protection works	123
Annexure- 16	NPV (Other works)	124
Annexure- 17.1	Wildlife habitat improvement	125
Annexure- 17.2	Bio-diversity conservation activities	126
Annexure- 17.3	Anti-depredation activities	127
Annexure- 18	Awareness Generation, promoting voluntary activities/study tours on conservation methods and best practices	128
Annexure- 19	Greening of denuded hills (maintenance work)	129
	Division-wise details of location, estimated cost and implementation schedule of activities to be undertaken from NPV and Interest component	
Annexure- 20	New Plantations related schemes & water harvesting structures	130
Annexure- 21	Forest Protection works	131
Annexure- 22	NPV (Other works)	132
Annexure- 23	Summary of wildlife related schemes	133
Annexure- 23.1	Wildlife habitat improvement	134
Annexure- 23.2	Bio-diversity conservation activities	135
Annexure- 23.3	Anti-depredation activities	136
Annexure- 24	Awareness Generation and best practices	137
Annexure- 25	Greening of denuded hills (maintenance work)	138
Annexure- 26	Utilization of interest accrued on deposits in State Fund	139
Annexure- 27	NPV Plantations (Completion & Maintenance)	140
Annexure- 28	Division-wise and site-wise GPS Co-ordinates of certain activities contained in APO 2021-22	141-181
Annexure- 29	Annual budget proposal of State Authority for 2021-22 (Form-VI)	182
Annexure- 30	Physical and financial achievements from CAMPA funds	183-184
Annexure- 31	Details of NPV and Interest component activities as per corresponding CAF Rules, 2018	185-188
Annexure- 32	Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement	189-190
	Declaration of adoption of APO 2021-22 by State Authority	191

Form-XII

JHARKHAND CAMPA

Annual Plan of Operation 2021-22

Part-1: Brief History and past performance

As per para 3.1(i) of the Guidelines issued under the Forest (Conservation) Act, 1980, Compensatory Afforestation is one of the most important conditions stipulated by the Central Government while approving proposals for diversion of forest land for non-forest uses. It is essential that for all such proposals, a comprehensive scheme for Compensatory Afforestation (CA) is formulated and submitted to the Government of India.

Directions of Supreme Court

(i) Supreme Court in its order in T.N. Godavarman Thirumulpad vs. Union of India and Others [Writ Petition (Civil) No. 202 of 1995], dated the 30th October, 2002, observed that a Compensatory Afforestation Fund be created in which all the monies received from the user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, net present value of the diverted forest land or catchment area treatment plan shall be deposited;

(ii) The Supreme Court directed that, besides artificial regeneration (Plantations), the Fund shall also be utilised for undertaking assisted natural regeneration, protection of forests, infrastructure development, wildlife protection and other related activities and implemented through the Compensatory Afforestation Fund to ensure effective and proper utilisation of funds;

Compensatory afforestation was to compensate for the loss of tangible as well as intangible benefits from the forest lands which were diverted for non-forest use. Such funds were to be used for natural assisted regeneration, forest management, protection, infrastructure development, wildlife protection and management, supply of wood and other forest produce saving devices and other allied activities. The Court observed that the fund would not be part of general revenues of the Union, of the States or part of the Consolidated Fund of India.

Ministry of Environment and Forests (MoEF) notified the Compensatory Afforestation Management Funds Management and Planning Authority (CAMPA) in April, 2004 for the management of the compensatory afforestation fund.

(iii) The Supreme Court of India observed in May 2006, that CAMPA had still not become operational and ordered the constitution of an ad-hoc body (known as 'Ad-hoc CAMPA'), till CAMPA became operational. Central Government formulated guidelines dated the 2nd July, 2009 on the subject of State Authority for utilisation of funds lying with the Ad-hoc Authority.

Government of Jharkhand vide its Notification No. 3/Vanbhumi 21/2009-3363 dated 23rd October, 2009 constituted Jharkhand CAMPA in pursuance to the directive of Govt. of India, Ministry of Environment & Forests vide its D.O. No. 5-1/2009-FC, dated 21st July, 2009. Further, the Government of Jharkhand vide its Notification No. 1879 dated 29th April, 2013 created a full-fledged CAMPA wing under the charge of Additional Principal Chief

Conservator of Forests (APCCF), CAMPA for effective implementation and monitoring of CAMPA Scheme in the State.

Objectives of CAMPA

CAMPA is intended as an instrument to accelerate activities for preservation of natural forests, management of wildlife, infrastructure development in forests and other allied works. The monies 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 is to be utilized for undertaking compensatory afforestation, assisted natural regeneration, conservation and protection of forests, infrastructure development, wildlife conservation and forest protection.

Broad objectives of CAMPA are as under :

- (a) Compensatory Afforestation/ Penal Compensatory Afforestation/ Compliance of other conditions stipulated while according approval for diversion of forest areas in the State;
- (b) Conservation, protection, regeneration and management of existing natural forests;
- (c) Biodiversity conservation and management of Protected Areas and wildlife habitats;
- (d) Monitoring and evaluation of the works undertaken under the CAMPA;
- (e) Awareness generation, promoting activities and study tours on conservation methods and best practices.

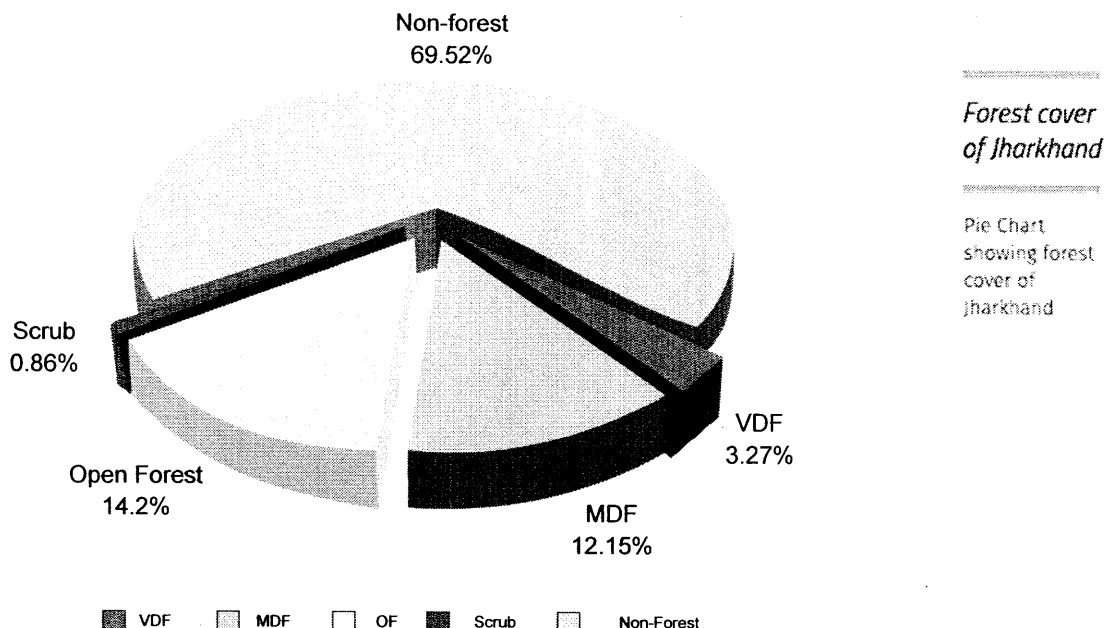
a) Brief description of forests and forestry sector in the State

Forests are a vital component to sustain the life support system and serve the entire community and represent a community resource that meets the need of the millions of rural people especially the tribals. Article 48A of the Constitution of India requires that the State shall endeavour to protect and improve the environment and to safeguard the forest and wildlife of the country. Under Article 51A, it is the duty of every citizen to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures.

Jharkhand, a forest and mineral rich state, lies between latitude 22^{00'} and 24^{037'} N and longitude 83^{015'} and 87^{001'} E. It has an area of 79,716 sq km which constitutes 2.42% of the geographical area of India. Its geography is marked by the plateau of Chhotanagpur, four major rivers – Son, North Koel, Damodar, and the Suvarnrekha. Jharkhand has a sub-tropical climate with average annual rainfall of about 1,400 mm.

Population of the State is 32.98 million (Census, 2011) which constitutes 2.72% of the country's population. Of this, urban population is 7.93 million (24.5%), rural population 25.05 million (75.95%) and the tribal population constitutes 8.65 million (26.21%). The average population density is 414 persons per sq. km. The livestock population as per 18th livestock census is 18.10 million.

As per *India State of Forest Report 2019 (ISFR 2019)* published by Forest Survey of India, forest cover of Jharkhand is 23,611 sq km which is 29.62% of the total geographical area of the State, recording an increase of 58.41 sq km since 2017.



Forest Cover within the Recorded Forest Area

(Area in Sq. Km)

Forest Cover within the Recorded Forest Area	
Very Dense Forests	1415
Moderately Dense Forests	5185
Open Forests	5609
Total	12209
Forest Cover Outside Recorded Forest Area	
Very Dense Forests	1188
Moderately Dense Forests	4502
Open Forests	5712
Total	11402
Total Forest cover	23611
Tree Cover	2657
Total Forest Cover and Tree Cover	26268
Percentage of State's Geographical Area	32.95%
India's Forest and Tree Cover	3.3%
Per Capita Forest and Tree Cover	0.08 ha

(Source: *India State of Forest Report, 2019*)

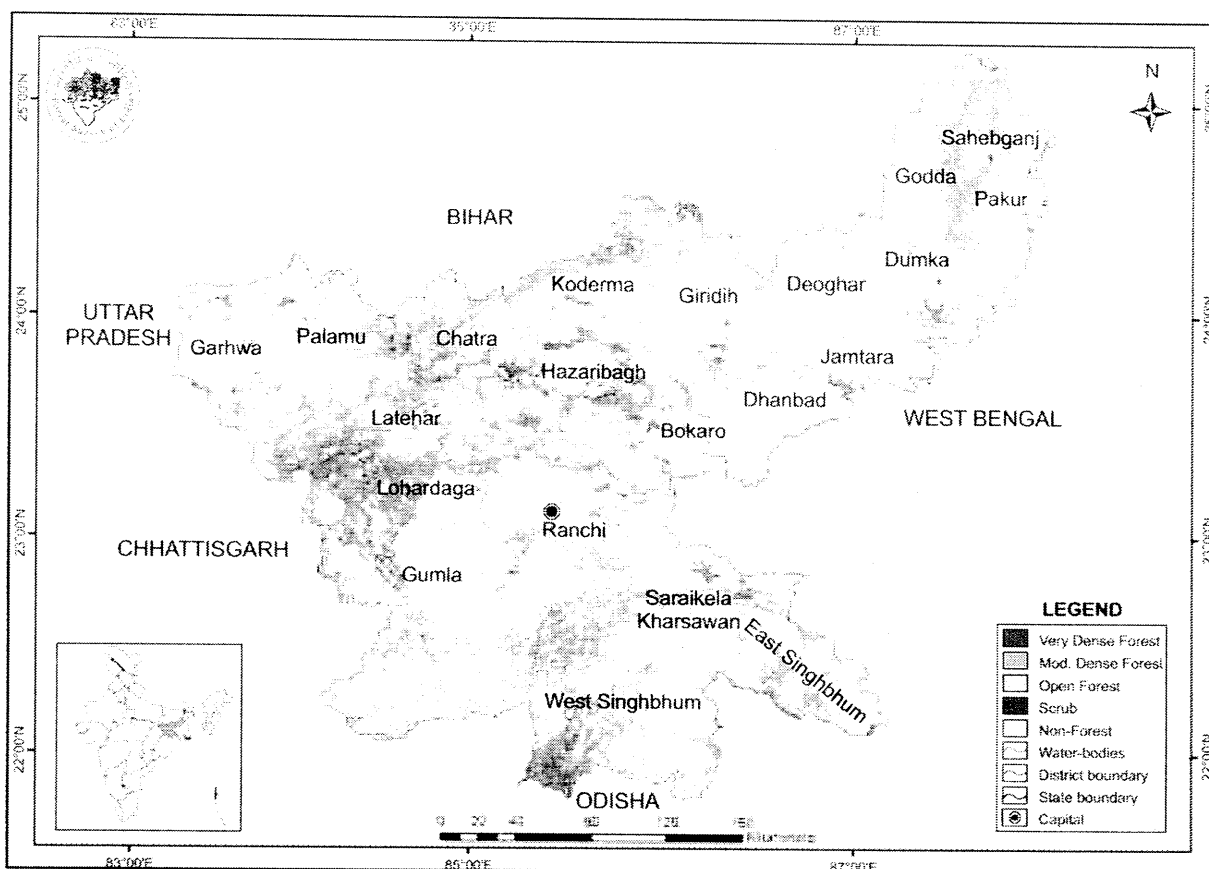
District– wise Distribution of Forest Cover

(Area in Sq. km)

District	Geo graphical Area (GA)	2019 Assessment				% of GA	Change w.r.t. 2017 assessment	Scrub
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total			
Bokaro	2,883	61.00	232.00	280.55	573.55	19.89	3.55	38.85
Chatra	3,718	244.58	869.98	662.79	1,777.35	47.80	11.35	23.04
Deoghar	2,477	0.00	14.41	189.30	203.71	8.22	1.71	15.80
Dhanbad	2,040	0.00	44.00	169.51	213.51	10.47	9.51	19.52
Dumka	3,761	0.00	259.35	317.96	577.31	15.35	1.31	44.38
Garhwa	4,093	125.00	415.34	851.25	1,391.59	34.00	1.59	62.56
Giridih	4,962	77.00	338.67	485.57	901.24	18.16	11.24	30.93
Godda	2,266	13.00	272.09	138.26	423.35	18.68	2.35	16.00
Gumla	5,360	304.86	586.08	551.32	1,442.26	26.91	1.26	11.00
Hazaribagh	3,555	230.00	349.00	773.77	1,352.77	38.05	1.77	19.76
Jamtara	1,811	0.00	20.97	79.67	100.64	5.56	3.64	12.60
Khunti	2,535	73.00	342.91	489.58	905.49	35.72	1.49	12.00
Koderma	2,540	80.99	494.45	448.03	1,023.47	40.29	-0.53	6.50
Latehar	4,291	480.63	1308.74	616.97	2,406.34	56.08	2.34	9.30
Lohardaga	1,502	173.95	218.49	112.18	504.62	33.60	0.62	8.00
Pakur	1,811	3.00	172.00	112.13	287.13	15.85	0.13	20.00
Palamua	4,393	63.19	512.62	624.97	1,200.78	27.33	0.78	99.72
West Singhbhum	7,224	462.00	1,353.61	1,550.51	3,366.12	46.60	0.12	52.06
East Singhbhum	3,562	55.00	591.33	433.05	1,079.38	30.30	3.38	21.15
Ramgarh	1,341	31.00	110.00	188.00	329.00	24.53	0.00	18.00
Ranchi	5,097	63.04	364.19	737.26	1,164.49	22.85	0.49	35.35
Sahebganj	2,063	17.96	259.16	295.23	572.35	27.74	-0.65	67.65
Saraikela-Kharsawan	2,657	22.00	213.97	338.07	574.04	21.60	1.04	22.88
Simdega	3,774	22.00	344.00	874.92	1,240.92	32.88	-0.08	21.00
Grand Total	79,716	2,603.20	9,687.36	11,320.85	23,611.41	29.62	58.41	688.05

(Source: India State of Forest Report, 2019)

Forest Cover map

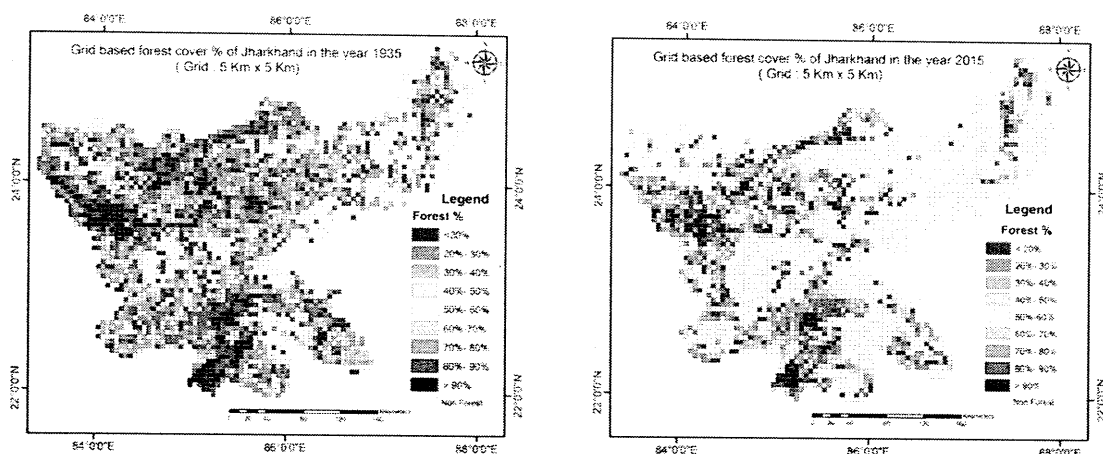


Forests in Jharkhand: certain issues and challenges

Forest is the most valuable natural resource for production of food, fibre, fuel and many other essential goods and services required to meet human and animal needs. The conservation of forests has become a major challenge in the State due to ever-increasing pressures on forest resources. As a result of increasing population and consequent land requirement, the pressure on the available land resources has been increasing day by day leading to encroachment of forest land, which has become a major threat to the conservation of forest and its resources. In many places, it has led to fragmentation of forests, honeycombing of forest areas, loss of corridor for movement of wild animals etc. Degradation of forests, low regeneration, demarcation of forest boundaries, biotic pressures and increasing man-animal conflicts have now emerged as the most serious threats to the forest resources of the state. It has become difficult to manage these threats with the existing manpower, infrastructure and financial resources.

(i) **Forest degradation:** Habitants of State have close association with forest, their activities directly or indirectly create pressure on forest leading to forest degradation. Forest degradation manifests itself in many ways. Vegetation, which may provide fuel and fodder, becomes increasingly scarce. Water courses dry up. Thorny weeds predominate in once-rich pastures. Footpath disappears into gullies. Soils become thin and stony. All of these manifestations have potentially severe impacts for forest users and for people who rely for their living on the products from a healthy landscape.

The grid based analysis reveals forest percent in Jharkhand for the year 1935 and 2015 were roughly 49% and 23% respectively. The result shows 2596 forest grid for the year 1935 out of which 1372 forest grids were found present in the year 2015. 1224 forest grid (equivalent to 26% forest area) was lost during the span of 80 years.



Further, according to Desertification and Land Degradation Atlas of India (Based on IRS AWiFS data of 2011-13 and 2003-05) published by Space Applications Centre, Indian Space Research Organization, Government of India - Jharkhand is the State with highest area under desertification/ land degradation in the country with respect to state Total Geographical Area, i.e., 68.98% for period 2011-13. The desertification/ land degradation area in Jharkhand has increased about 1.01% since 2003-05. The most significant process of desertification/ land degradation in the state is Water Erosion (50.64% in 2011-13 and 50.65% in 2003-05) followed by Vegetation Degradation (17.30% in 2011-13 and 16.40% in 2003-05). The deforestation within the state of Jharkhand which is at such alarming rate is concern and there is an urgent need to formulate appropriate conservation measures and strategies in deforested and degraded forest areas.

It is critically important to recognize that degradation of forests results in significant opportunity cost to the local population, and in turn to the State Government, in terms of the reduced flow of following hitherto un-accounted local ecological services to the forest-fringe communities that constitutes approx. 30% population of the State.

(ii) Low growing stock: There is a serious problem of reducing growing stock in forests in the State. Growing stock is the sum (by number or volume) of all the trees growing in the forest or a specified part of it. The information on growing stock is important to understand the productive capacity of strategies for the sustainable use of forest resources. Growing stock is a traditional indicator of sustainability of the forest sector and is also used as a proxy for biodiversity.

According to India State of Forest Report, 2019 published by Forest Survey of India, total volume of growing stock as per 2019 report is 96.22 million cum in recorded forest area and 71.93 million cum under trees outside forests in Jharkhand. The growing stock of our forests has depleted due to increasing threats such as biotic pressure, land diversion and other factors. It leads to a vicious spiral as the threats increase on the remaining good forests.

(iii) Vegetational changes: The India State of Forest Report, 2019 published by Forest Survey of India reported that 3 sq km of Moderately Dense Forest (MDF) changed to Open Forest (OF) category between the assessment years 2019 and 2017 whereas 1 sq km of OF changed to Scrub category and another 27 sq km to Non-Forest category during the same period indicating that degradation pressure is significant in some areas of the State.

(iv) Increasing dependence on forests for fuelwood, fodder and NTFPs: In a survey of 10 rainfed districts of Jharkhand, total fuel consumption was found to be 3.3 million tonnes per year (*Forest Resource Dependence and Ecologically Assessment of Forest-fringes in Rainfed District of India: East Zone*, Forest Research Institute, 2017). Almost 96% of the fuel wood of the said fuel wood demand is extracted from forest in Palamu district whereas around 60% is extracted from forest in East Singhbhum district. These numbers are highly significant. Similarly, out of total fodder consumption in forest districts of Jharkhand (52.387 million tonnes per year), 41.6 million tonnes per year (79.36%) is extracted from the forest. Fuel wood water and other non wood forest product (like honey, medicinal plant, aromatic plants etc.) – around 38, 975 tonnes is collected for the purpose of both self-consumption and sale. Cash obtained from sale constitutes one of the most important component of livelihood as it is available mostly during agriculturally-lean season, and thus reduces vulnerability of the poor on account of income shocks. The State of Forest Report, 2019 estimated the dependence of people living in the villages close to forest for fuel wood, fodder, small timber and bamboo in quantified terms to the tune of 73,72,340 tonnes of fuelwood, 5,54,82,427 tonnes of fodder, 50,535 tonnes of bamboo and 1,83,240 cum of small timber.

Given the fact that very high percentage of rural population is self-employed, under-employed and unemployed, and socially weaker sections of the population (e.g. elderly, women and children) are disproportionately engaged in collection and storage of forest produce for self-consumption and sale, the values of forest in terms of providing intangible social security benefit is immense. Mining activities are adversely affecting the flora and fauna and forest and wildlife.

Any degradation of forests, thus, inevitably leads to further stress on the social security apparatus of the State as people have to also spend longer periods in collection and transport of forest produce.

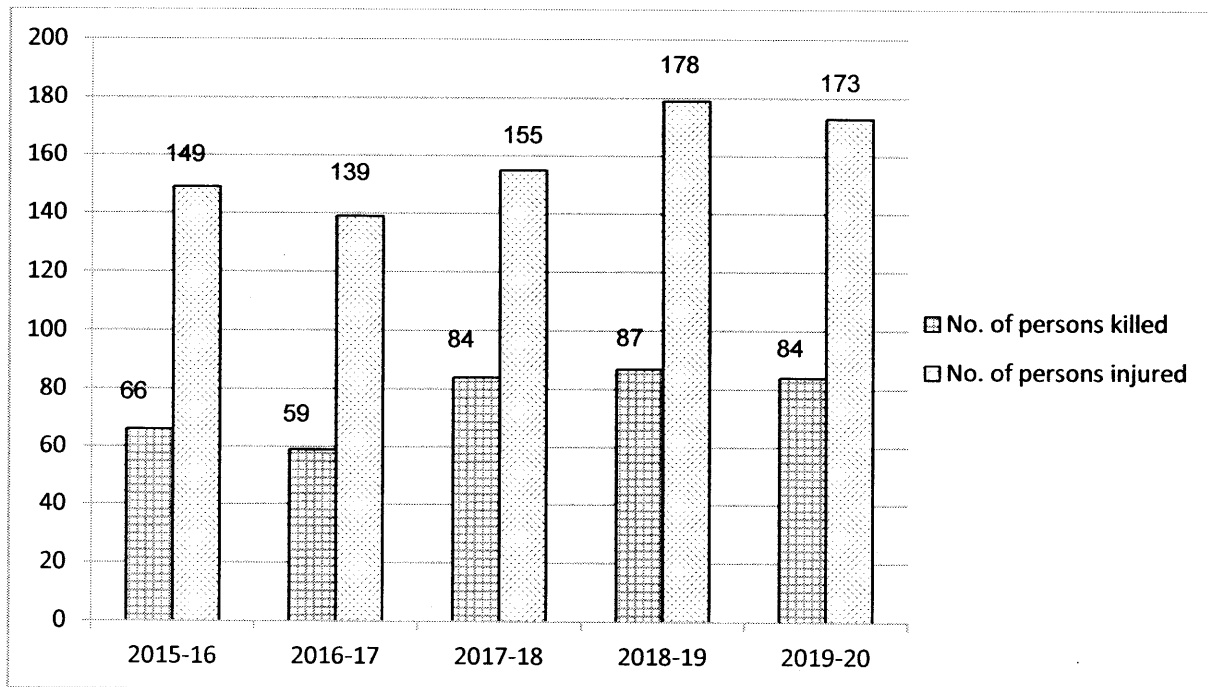
(v) Poor regeneration of forests: Tropical Moist Deciduous and Tropical Dry Deciduous forests occupy largest area in Jharkhand. The SFR 2015 has brought out to the fore the highly critical issue of poor regeneration in both forest types at All-India level with regeneration being 'inadequate' in around 39% and 34% respectively in the above two forest types, and "absent" in 5% and 2.5% respectively. Urgent measures need to be undertaken for improving regeneration of forests failing which sustainability of forests and the flow of goods and local ecological services from the forest sector will reduce drastically.

(vi) Increasing water stress and drier areas due to climate change: Climate Change is estimated to significantly impact forests of Jharkhand and its capacity to produce NTFPs. Much of this change manifests in the forms of altered rainfall patterns and increased evapo-transpiration that is causing increasing water stress in the forest areas also rendering the vegetation drier and vulnerable to fire. The general turn of increasing dryness due to climate change has also increase vulnerability from forest fires. The lesser amount of rainfall and evapo-transportation is creating water deficit.

(vii) Lack of infrastructural facilities for frontline staff: Due to lack of non-availability of staff in the field for a very long period the condition of infrastructural facilities deteriorated, and most forest buildings are in dilapidated condition. In the prevailing scenario of left wing extremism in many parts of forests, safe habitation and safe movement of frontline staff has to be given high priority. It is envisaged to construct residential quarters for frontline staff and as far as possible they will be constructed in a cluster-manner for safety subject to other administrative requirements.

(viii) Increasing human-wildlife conflicts: Jharkhand is bestowed with rich fauna & flora because of variety of habitats. However, increasing population and faster developmental activities have put immense pressure on the flora and fauna. Effective conservation measures taken up have resulted in protection and increase of wildlife populations in certain pockets. Invading trend of human activities combined with spilling of wildlife populations out of their habitat has resulted in severe man wildlife conflicts.

Due to ever increasing man animal conflict apart from crop depredation, loss of human life is also reported. In the last four years, 288 persons have been killed, 621 injured and 33,331 incidences of crop and house damage occurred due to attack of elephants.



Human-wildlife conflict cases

In the year 2020-21, 47 persons have been killed and 108 have been injured till December, 2020.

To achieve co-existence of human and wildlife it is necessary to improve the wildlife habitat to contain the wildlife in the forest areas. It is also necessary to provide protective barriers not to allow the spilling of increased wildlife populations beyond the forest areas.



Rationale for the APO 2021-22:

Considering the above issues and challenges being faced by the forests in Jharkhand, rapid increase and qualitative improvement in the State's forest resources is an imperative. Ever increasing demand for forest produce like firewood, grasses, bamboos and minor forest produce (NTFP) from already shrinking forest areas has led to degradation of forest stocks in quality and quantity. In several areas the rootstock available if protected can regenerate into well-stocked biodiversity areas. In other areas certain species have disappeared giving way to blanks and invasive species. Here apart from protection, augmentation of the stock with important species by way of planting is necessary. Thus by protecting the existing rootstock, production of quality planting material and planting it to augment the stock along with natural regeneration can improve the existing stock to a desirable level. It also warrants forestry interventions for addressing issues of regeneration of forest, enrichment of the vegetal cover, and improvement of water/moisture regime in forest areas in a holistic manner.

Objectives of the APO 2021-22

This Annual Plan of Operations has therefore, been prepared to compensate not only the loss of flow of forest products and ecosystem services from forest lands diverted to non-forestry use through raising compensatory afforestation, but also to alleviate the resultant biotic and abiotic pressure that shifts to the remaining forests, by improving the quality of those forests, both by direct intervention and by increased protection.

Enactment of Compensatory Afforestation Fund Act, 2016; Rules, 2018; and related guidelines:

In view of the provisions of Compensatory Afforestation Fund (CAF) Act, 2016, Compensatory Afforestation Fund Rules, 2018 and the Accounting Procedure therein, as notified by the Govt. of India Ministry of Environment, Forest & Climate Change, the Jharkhand Compensatory Afforestation Fund Management Planning Authority (Jharkhand CAMPA) was notified vide Ministry's notification no. 4855 (E) dated 14.09.2018 which became effective w.e.f. 30.09.2018. In pursuance of provisions of the CAF Act, 2016, the Government of Jharkhand has notified the State Compensatory Afforestation Fund vide its notification no. 04/ CAMPA-01/2018-696 dated 13.02.2019. The monies received in the State Fund shall be an interest-bearing fund under public accounts. The balance in each State Fund shall be non-lapsable and get interest as per the rate declared by the Central Government on year to year basis.

As per the Accounting Procedure, consequent upon issue of notification for establishment of respective State Compensatory Afforestation Funds by the concerned State Governments in terms of sub-section (1) of section 4 of the Act, State share (90 percent of the monies with Ad- hoc Authority) so credited to the National Compensatory Afforestation Deposits under Major Head 8336-Civil Deposits, shall be transferred to State Compensatory Afforestation Fund (SCAF) as per each State share. While transferring respective State share to the State Fund, breakup shall be provided at an appropriate level below the Minor Head 'State Compensatory Afforestation Fund (SCAF)' and these heads of accounts shall be uniformly applicable across all the States/Union Territories. The monies received by the State Governments from the User Agencies shall be credited in 'State Compensatory Afforestation Deposits' in Public Account of the State out of which 90 percent shall be transferred into the Public Account of the State and 10 percent credited into the National Fund on yearly basis.

Further, under the Jharkhand CAMPA State Authority, various Committees viz. the Governing Body, Steering Committee and Executive Committee have been notified by the State Government vide respective notification no. 1532, 1533 and 1534 dated 25.04.2019.

Govt. of India Ministry of Environment, Forest & Climate Change has transferred an amount of Rs. 4,158 crore vide its letter no. 11-100/2015-FC dated 29.08.2019 towards the State share of Jharkhand.

The Ministry has informed earlier through the decision taken in 5th meeting of its National CAMPA Advisory Council that the normal forest activity in the State should be undertaken from the State's own plan funds and there must be no attempt to shift the obligation in respect to such items of works to the CAMPA. The CAMPA funds must be treated as an additionally.

The Executive Committee of National CAMPA Authority, Ministry of Environment, Forest & Climate Change, Government of India vide its O.M. No. 11-100/2015-FC dated 07.11.2019 has emphasized that there should not be any reduction of budget allocation in forestry sector in the regular State budget due to flow of CAMPA funds. This was reiterated by the Ministry vide the proceedings of 4th meeting of Executive Committee of CAMPA National Authority held on 15.10.2019. Subsequently, the Ministry observed during its 7th meeting of Executive Committee of National CAMPA held on 30.06.2020 that there should not be any reduction in allocation for forestry sector in the regular State Budget due to flow of CAMPA funds to the States. In addition, the State Government shall also make timely and adequate budget provision as per approved APO and release money so that activities approved under the APO could be implemented in time.

Main provisions of Compensatory Afforestation Fund Rules, 2018

In exercise of the power conferred by sub-section (1) and (2) of section 30 of the Compensatory Afforestation Fund Act, 2016, the Central Government notified the Compensatory Afforestation Fund Rules, 2018. The main provisions of these Rules are as below:

Rule 5: Manner of utilisation of Net Present Value-

Sub-Rule 5(2): Forest and wildlife management in the State

Assisted natural regeneration, artificial regeneration, silvicultural operations in forests, protection of plantations and forests, soil and moisture conservation works in the forest, voluntary relocation of villages from protected areas, improvement of wildlife habitat as provided in the approved wildlife management plan or working plan, establishment, operation and maintenance of animal rescue centre, supply of wood-saving cooking appliances and other forest produce saving devices in forest fringe villages.

Sub-Rule 5(3): Strengthening of forest and wildlife related infrastructure & capacity building in the State

Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials; construction of residential and official buildings in forests for front line staffs deployed for protection of forest and wildlife, casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife, independent concurrent monitoring and evaluation and third party monitoring of various works, publicity-cum-awareness programme, production and distribution of quality planting material through certified nurseries at subsidized price for promotion of trees outside forests

Sub-Rule 5(4): Prohibited activities:

The monies received towards Net Present Value shall not be used for following activities, namely

- (i) payment of salary, travelling allowances, medical expenses etc.;
- (ii) undertaking foreign visits;
- (iii) payment for legal services for defending cases filed in Tribunals or Courts not related to the management of State Authority;
- (iv) purchase of vehicles or staff cars for officers and heavy vehicles and machines for the State Forest Department for implementing programmes in various forest divisions undertaken from the State Fund;
- (v) construction of residential and official buildings for officers above the Forest Range Officer;
- (vi) leasing, hiring and purchase of land for afforestation purposes;
- (vii) purchase of furniture, office equipment, fixtures including air conditioners, and generator sets for residences and offices of the State Forest Department;
- (viii) mandatory afforestation as per the working plan in the forest in blanks created by commercial felling of trees for revenue generation undertaken under working plan prescription;
- (ix) undertaking forest and wildlife conservation and other activities undertaken under other schemes of the Government for the purpose of part financing the scheme for completing left over works or complementary works of such schemes;
- (x) establishment, expansion and up-gradation of zoo and wildlife safari;
- (xi) providing financial support, either by way of grant or equity to existing or for setting up new forest corporations, boards, etc.

Explanation: The mixing of the monies received towards Net Present Value shall not be allowed with any other state schemes under implementation from any other budget either for capital or spill over works and the works undertaken under sub-rule 5(2) and sub-rule 5(3) shall be on standalone basis and there shall not be any duplication of permitted works under different components.

The Ministry has also clarified earlier through the decision taken in 5th meeting of its National CAMPA Advisory Council that the normal forest activity in the State should be undertaken from the State's own plan funds and there must be no attempt to shift the obligation in respect to such items of works to the CAMPA. The CAMPA funds must be treated as an additionally. This has been reiterated by the Ministry in various subsequent communications.

b) Compensatory afforestation and other forestry related schemes carried out in the state in last five years from the CAMPA funds

Details of plantations carried out for Compensatory Afforestation as well as from NPV components for last five years and other activities are available at **Annexure -1**.

c) Forestry and other activities carried out in the state in last three years from the fund received under other schemes

Detail of various schemes of forestry and related activities from State Plan and Centrally sponsored schemes is enclosed at **Annexure-2**.

d) Year wise total forest area diverted

Details of forest area diverted in the state since 1980 are enclosed at **Annexure-3**.

e) Year-wise total compensatory afforestation carried out in the state since 1980

Year-wise total compensatory afforestation carried out in the state since 1980 is enclosed at **Annexure-4**.

f) Monitoring work done by the Monitoring and Evaluation wing of the State Forest Department

With a view to make monitoring and evaluation of plantations more effective, the Department of Forest, Environment & Climate Change, Govt. of Jharkhand vide notification no. 4480 dated 31.10.2018 has strengthened the Monitoring & Evaluation wing of the department to monitor and review the developmental works carried out by the forest divisions. This wing headed by Chief Conservator of Forest, Vigilance, Jharkhand supported by a Conservator of Forest and two Divisional Forest Officers, is doing monitoring of CAMPA works in the State. In addition, inter-Division evaluations within a Forest Region are also being done. A summary of monitoring work done by the Monitoring & Evaluation wing of the department is enclosed as **Annexure-5**. Further, the polygons of CAMPA works are regularly uploaded on e-Green watch Portal maintained by Government of India. This system of 'e-Green Watch' facilitates the automation of the various processes involved in monitoring & evaluation of various projects being undertaken by the State CAMPA. The polygons of plantations and information of other works are regularly uploaded on this portal **Annexure-6**. The site details of compensatory afforestation, NPV works and details of permanent and Hi-Tech nurseries are enclosed as (**Annexure-7**).

g) Monitoring work done by the independent monitor (Third Party Monitoring)

A Request for Proposal was invited at national level by Jharkhand CAMPA to engage a Third Party independent Agency for evaluation of CAMPA works. Initially, the evaluation of CAMPA works was proposed to be done from the commencement of State CAMPA schemes in one go. However, the bidders expressed their inability to complete this huge task in one year. After the approval of competent authority, it was therefore, decided to initially evaluate the CAMPA works for three years i.e., 2016-17, 2017-18, and 2018-19. After the evaluation of technical and financial bids, the work was awarded to the successful bidder in the month of November, 2020. The selected agency has commenced the work in the field and a summary of evaluation work done so far is enclosed as **Annexure-8**.

(h) Any other information relevant for preparing APO

Compensatory Afforestation Fund Act, 2016 and Compensatory Afforestation Fund Rules, 2018 and the notified Accounting Procedure therein provide that the State Fund and State Authority shall be created by each State and the State Fund shall be under the control of State Govt. and managed by the State Authority. The unspent balance of all the monies with the Ad-hoc CAMPA, realised and recoverable from user agencies etc. shall be credited to the State Fund. Further, ninety percent of the monies collected by the State, which has been placed under the Ad-hoc Authority and the interest accrued therein, shall be transferred to the State Fund.

In view of the provisions of Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Rules, 2018 and the Accounting Procedure therein, as notified by the Govt. of India, Ministry of Environment, Forest & Climate Change, the Jharkhand Compensatory Afforestation Fund Management Planning Authority (Jharkhand CAMPA), notified vide Ministry's notification no. 4855 (E) dated 14.09.2018 became effective w.e.f. 30.09.2018. The Government of Jharkhand has notified the State Compensatory Afforestation Fund vide its notification no. 04/ CAMPA-01/2018-696 dated 13.02.2019. Further, various Committees viz. the Governing Body, Steering Committee and Executive Committee under the Jharkhand CAMPA State Authority have been notified by the State Government vide respective notification no. 1532, 1533 and 1534 dated 25.04.2019.

(i) Compliance report regarding utilization of unspent balance of Ad-hoc CAMPA

MoEF&CC vide its letter no.NA-15/1/2020-NA dated 15.07.2020 had directed that any unspent balance funds with interest as on 31.03.2020 with CAMPA bank accounts of the State should be deposited in the State Fund. Accordingly, a total amount of Rs. 170,42,46,038.40/- as available in the CAMPA bank accounts of the State DDOs, their sub-disbursers, and the State CAMPA bank account was duly deposited in the State Fund on 01.01.2021 and it was also informed to the MoEF&CC.

Status of funds

An approval of Rs. 381.06 crore for the Jharkhand CAMPA APO 2020-21 was granted by the State level Steering Committee in its meeting dated 03.06.2020. It was then sent to Govt. of India, CAMPA National Authority for its approval. The Executive Committee of CAMPA National Authority in its 7th meeting held on 30.06.2020 granted the approval of Rs. 376.56 crore for the CAMPA APO 2020-21. The State Govt. allotted the total budget of Rs. 251.79 crore for implementation of CAMPA APO activities.

An expenditure of Rs. 215.43 crore was incurred by the implementing units towards the activities under APO 2020-21 till 31st March, 2021. For the year 2021-22, an APO of Rs. 469.56 crore has been prepared in accordance with the provisions of Compensatory Afforestation Fund Rules, 2018.

(j) Components of APO 2021-22

The current Annual Plan of Operations (APO) has been prepared in consultation with all the concerned officers starting from Divisional Forest Officers to Principal Chief Conservator of Forest & Head of Forest Force, Jharkhand. The APO has been prepared also in accordance with the guidelines prescribed by the Government of India, Ministry of Environment, Forests and Climate Change for utilization of amounts realized under Compensatory Afforestation (CA) and Net Present Value (NPV) etc. A sum of Rs. 46955.530 lakh (Rupees Four hundred Sixty nine crore Fifty five Lakh Fifty three thousand only) is required to implement various activities envisaged in APO of 2021-22.

A summary of Part-wise outlay is given below :-

Part-wise APO 2021-22		Outlay (Rs. in lakh)
1	Compensatory Afforestation	
1.A	Completion and maintenance works under ongoing schemes	4026.184
1.B	New works	10653.421
	Sub-total	14679.605
2	Catchment Area Treatment Plan	2268.559
3	Integrated Wildlife Management Plan	5190.985
4	Net Present Value (NPV)	
4.A	Completion and maintenance works under ongoing schemes	2420.875
4.B	New works	21345.507
	Sub-total	23766.381
4	Interest	
4.A	Conservation and development of forest and wildlife	820.000
4.B	Non-recurring and recurring expenditure of State Authority	180.000
	Sub-total	1000.000
5	Others	50.000
	Total	46955.530

Executive Summary
APO 2021-22

Jharkhand CAMPA
Annual Plan of Operation 2021-22
Executive Summary

(As recommended by the State level Steering Committee of State Authority of Jharkhand CAMPA in its meeting held on 17th May, 2021)

A sum of Rs. 46955.530 lakh (Rupees Four hundred Sixty nine crore Fifty five Lakh Fifty three thousand only) is required to implement various activities proposed in the APO 2021-22. The activities to be undertaken are as below –

Budget Sub-Head 02 : Compensatory Afforestation

(a) Ongoing works (Completion & Maintenance of old plantations) : The physical and financial targets of various activities proposed under this head

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
1	Completion of block plantations, 2 nd year work	ha.	3713.516	1305.413
2	Completion of linear plantations, 2 nd year work	km.	97.688	229.997
3	Completion of linear plantations, 2 nd year work	gab.	720	4.021
4	Maintenance of block plantations, 3 rd year work	ha.	2734.493	477.413
5	Maintenance of linear plantations, 3 rd year work	km.	53.233	115.880
6	Completion of linear plantations, 3 rd year work	gab.	31010	139.235
7	Maintenance of block plantations, 4 th year work	ha.	3687.253	525.181
8	Maintenance of linear plantations, 4 th year work	km.	44.827	65.289
9	Maintenance of block plantations, 5 th year work	ha.	1730.110	229.435
10	Maintenance of linear plantations, 5 th year work	km.	11.677	5.102
11	Maintenance of linear plantations, 5 th year work	gab.	500	1.125
12	Maintenance of block plantations, 6 th year work	ha.	4581.552	124.064
13	Maintenance of linear plantations, 6 th year work	km.	27.500	8.168
14	Maintenance of linear plantations, 6 th year work	gab.	175720	395.370
15	Maintenance of block plantations, 7 th year work	ha.	3172.275	87.173
16	Maintenance of Linear plantations, 7 th year work	km.	184.780	54.880
17	Maintenance of Linear plantations, 7 th year work	gab.	31254	70.322
18	Silviculture operation, 2 nd year work	ha.	2160.000	186.430
19	Silviculture operation, 3 rd year work	ha.	70.000	1.686
	Sub-Total			4026.184
(b)	New works : CA, PCA and compliance of additional conditions : The physical and financial targets of various activities proposed under this head are as follows:			
1	Advance work for block plantations (Forest land)	ha.	5,641.469	4,770.513
2	Advance work for block plantations (Non-Forest land)	ha.	448.915	398.100
3	Advance work for block plantations–Safety Zone (Forest land)	ha.	11.522	10.350
4	Advance work for linear plantations–Safety Zone (Forest land)	km.	78.271	855.720
5	Advance work for linear plantations	km.	81.830	1,178.700
6	Advance work for linear plantations	gab.	12,580	143.836
7	Advance work for block plantations (Condition compliance)	ha.	826.000	544.978
8	Advance work for linear plantations (Condition compliance)	km.	6.366	66.435
9	Advance work for linear plantations (Condition compliance)	gab.	15,500	176.933
10	Silviculture operation (Condition compliance)	ha.	2,681.750	1,505.619
11	Soil & Moisture conservation (Condition compliance)	ha.	877.070	269.173

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
12	Construction of Check dam (Condition compliance)	no.	58	428.760
13	Renovation of Pond (Condition compliance)	no.	4	28.216
14	Purchase of Vehicle (Condition compliance)	no.	1	15.000
15	Entry Point Activity (Condition compliance)	L.S.	---	48.000
16	Survey Demarcation & Erection of Permanent Pillar (Condition compliance)	no.	207	8.978
17	Protection of Flora & Fauna (Condition compliance)	ha.	4,607.840	55.501
18	Fire protection (Condition compliance)	L.S.		148.610
	Sub-Total			10653.421
	Total of CA/PCA works			14679.605
Budget Sub-Head 03 : Catchment Area Treatment Plan				
1	Catchment Area Treatment Plan activities	L.S.		2268.559
	Sub-Total			2268.559
Budget Sub-Head 04 : Integrated Wildlife Management Plan				
1	Integrated Wildlife management plan activities	L.S.		5190.985
	Sub-Total			5190.985
Budget Sub-Head 05 : Net Present Value				
(a)	Ongoing works : Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows :			
1	Maintenance of block plantations, 6 th year work	ha.	3491.500	110.814
2	Silviculture, Natural Regeneration & SMC, 2 nd year work	ha.	8880.000	766.433
3	Silviculture, Natural Regeneration & SMC, 3 rd year work	ha.	7272.250	175.189
4	Silviculture, Natural Regeneration & SMC, 4 th year work	ha.	10401.000	250.560
5	Maintenance of Nurseries (Previous Year 2020-21)	ha.	8.000	65.025
5	Maintenance of Nurseries	ha.	116.000	1052.854
	Sub-Total			2420.875
(b)	Other works : The physical and financial targets of various new activities area as follows:			
1	Silviculture, Natural Regeneration & SMC, 1 st year work	ha.	9645.000	5415.006
2	Advance work for block plantations (Forest land)	ha.	2900.000	1712.854
3	Soil and moisture conservation works	no.	380.000	2470.000
4	Miscellaneous interventions using LiDAR Technology	L.S.		500.000
5	Development/ strengthening of Permanent Nursery Infrastructure	L.S.		200.000
6	Consolidation of Boundary pillars	no.	12000	540.000
7	Rejuvenation of identified rivers through forestry interventions	L.S.		200.000
8	Casual Engagement of JFMCs/EDCs members for protection of forests	no.	310	319.176
9	Provision of causeway/culvert	no.	68	328.785
10	New building construction (Frontline staff quarters: Forest Guard-39 sets of 4 units+1 Part	no.	39+1(Part)	1575.400
11	Maintenance of forest roads	km.	2567.20	533.721
12	Wildlife habitat improvement and related activities	L.S.		6084.110
13	Distribution of improved cook stove in forest fringe villages	no.	1809	36.180
14	Distribution of solar lantern in forest fringe villages	no.	2370	94.800
15	Casual engagement of Home Guards for strengthening forest protection	no.	310	735.475
16	Independent evaluation of works under CAMPA	L.S.		70.000
17	e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	L.S.		30.000
18	Forest certification and food safety training activities	L.S.		150.000

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
19	Maintenance of greening of denuded hills	L.S.		150.000
20	Publicity-cum-awareness programmes	L.S.		200.000
	Total of NPV New activities			21345.507
	Grand Total of NPV activities			23766.381
Budget Sub-Head 06 : Interest				
1	Activities to be undertaken for conservation and development of forest and wildlife	L.S.		820.000
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	L.S.		180.000
	Sub-Total			1000.000
Budget Sub-Head 07 : Others				
	Sub-Total			50.000
	Grand-Total			46955.530

Part-II: Activities to be undertaken for compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation and for any other site specific scheme may be used as per site-specific schemes submitted by the State along with the approved proposals for diversion of forest land under the Forest (Conservation) Act, 1980 (69 of 1980) referred to in clause (a) of section 6 of the Act:

(a) District/Forest Division wise details of new compensatory afforestation, activities to be done as per the conditions imposed under forest clearance granted by the Central Government under the Forest (Conservation) Act, 1980:

Sl. No.	Activities	Unit	Physical
1	2	3	4
1	Advance work for block plantations (Forest land)	ha.	5,641.469
2	Advance work for block plantations (Non-Forest land)	ha.	448.915
3	Advance work for block plantations–Safety Zone (Forest land)	ha.	11.522
4	Advance work for linear plantations–Safety Zone (Forest land)	km.	78.271
5	Advance work for linear plantations	km.	81.830
6	Advance work for linear plantations	gab.	12,580
7	Advance work for block plantations (Condition compliance)	ha.	826.000
8	Advance work for linear plantations (Condition compliance)	km.	6.366
9	Advance work for linear plantations (Condition compliance)	gab.	15,500
10	Silviculture operation (Condition compliance)	ha.	2,681.750
11	Soil & Moisture conservation (Condition compliance)	ha.	877.070
12	Construction of Check dam (Condition compliance)	no.	58
13	Renovation of Pond (Condition compliance)	no.	4
14	Purchase of Vehicle (Condition compliance)	no.	1
15	Entry Point Activity (Condition compliance)	L.S.	—
16	Survey Demarcation & Erection of Permanent Pillar (Condition compliance)	no.	207
17	Protection of Flora & Fauna (Condition compliance)	ha.	4,607.840
18	Fire protection (Condition compliance)	L.S.	

Division & Component-wise details are given at **Annexure–9**.

(b) Location, estimated cost and implementation schedule of each activity proposed to be executed from State Fund to be provided district/division wise:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
1	Advance work for block plantations (Forest land)	ha.	5,641.469	4,770.513	Oct, 2021-Mar, 2022
2	Advance work for block plantations (Non-Forest land)	ha.	448.915	398.100	Oct, 2021-Mar, 2022
3	Advance work for block plantations–Safety Zone (Forest land)	ha.	11.522	10.350	Oct, 2021-Mar, 2022
4	Advance work for linear plantations–Safety Zone (Forest land)	km.	78.271	855.720	Oct, 2021-Mar, 2022
5	Advance work for linear plantations	km.	81.830	1,178.700	Oct, 2021-Mar, 2022
6	Advance work for linear plantations	gab.	12,580	143.836	Oct, 2021-Mar, 2022
7	Advance work for block plantations (Condition	ha.	826.000	544.978	Oct, 2021-

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
	compliance)				Mar, 2022
8	Advance work for linear plantations (Condition compliance)	km.	6.366	66.435	Oct, 2021-Mar, 2022
9	Advance work for linear plantations (Condition compliance)	gab.	15,500	176.933	Oct, 2021-Mar, 2022
10	Silviculture operation (Condition compliance)	ha.	2,681.750	1,505.619	Oct, 2021-Mar, 2022
11	Soil & Moisture conservation (Condition compliance)	ha.	877.070	269.173	Oct, 2021-Mar, 2022
12	Construction of Check dam (Condition compliance)	no.	58	428.760	Oct, 2021-Mar, 2022
13	Renovation of Pond (Condition compliance)	no.	4	28.216	Oct, 2021-Mar, 2022
14	Purchase of Vehicle (Condition compliance)	no.	1	15.000	Oct, 2021-Mar, 2022
15	Entry Point Activity (Condition compliance)	L.S.	---	48.000	Oct, 2021-Mar, 2022
16	Survey Demarcation & Erection of Permanent Pillar (Condition compliance)	no.	207	8.978	Oct, 2021-Mar, 2022
17	Protection of Flora & Fauna (Condition compliance)	ha.	4,607.840	55.501	Oct, 2021-Mar, 2022
18	Fire protection (Condition compliance)	L.S.		148.610	Oct, 2021-Mar, 2022
	Sub-Total			10653.421	

Division and component-wise details are given as **Annexure-10**. The works shall be carried out in accordance with the site-specific plans of respective cases.

(c) Details of maintenance works in physical and financial terms, proposed to be undertaken in the current financial year in the case of compensatory afforestation work and other such activities undertaken in previous years which need maintenance for its survival and sustainability:

Status of Compensatory Afforestation

The Jharkhand State CAMPA was constituted in the year 2009 and the work in the state out of CAMPA fund was started from the year 2010-11. The details regarding year-wise plantation done under compensatory afforestation are as follows:

Sl. No.	Year of CA done	Block Plantation (ha)		Linear Plantation (km)	Gabion Plantation (Nos.)	Silvicultural operations (Condition Compliance)
		Non-Forest Land	Forest Land			
1	2010-11	0.000	0.000	49.00	0.00	0.00
2	2011-12	6.500	5963.315	0.00	0.00	0.00
3	2012-13	912.060	3725.090	0.00	0.00	0.00
4	2013-14	0.000	2319.559	0.00	0.00	0.00
5	2014-15	134.330	2870.540	6.00	36000	0.00
6	2015-16	97.950	1507.620	0.00	1000	0.00
7	2016-17	183.868	2988.407	184.78	31254	0.00
8	2017-18	80.232	4501.600	27.50	175720	0.00
9	2018-19	125.750	1604.360	11.677	500	0.00
10	2019-20	241.388	3445.865	44.827	0.00	0.00
11	2020-21	0.000	2734.493	53.233	30400	70.00
Total		1782.078	31660.849	377.017	274874	70.00

Total non-forest and forest land planted : 33442.927 ha

In this way, against a total target of about 51,779 ha under compensatory afforestation to be done in Jharkhand, a total of 33,442.927 ha has been taken up till 2020-21.

For the year 2021-22, it is proposed to carry out compensatory afforestation in 6,927.906 ha (which is highest target under compensatory afforestation so far) along with linear plantation in 166.467 km.

It is also proposed that the backlog of compensatory afforestation of 11,408.167 ha would be taken up in next 3 years during which 4,408.167 ha would be taken up in the year 2022-23, 3,500 has would be taken up in year 2023-24 and 3,500 ha in the year 2024-25.

The physical targets of various activities proposed under this head are as follows:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
1	Completion of block plantations, 2 nd year work	ha.	3713.516	1305.413	July-Sep, 2021
2	Completion of linear plantations, 2 nd year work	km.	97.688	229.997	July-Sep, 2021
3	Completion of linear plantations, 2 nd year work	gab.	720	4.021	July-Sep, 2021
4	Maintenance of block plantations, 3 rd year work	ha.	2734.493	477.413	Throughout FY 2021-22
5	Maintenance of linear plantations, 3 rd year work	km.	53.233	115.880	Throughout FY 2021-22
6	Completion of linear plantations, 3 rd year work	gab.	31010	139.235	Throughout FY 2021-22
7	Maintenance of block plantations, 4 th year work	ha.	3687.253	525.181	Throughout FY 2021-22
8	Maintenance of linear plantations, 4 th year work	km.	44.827	65.289	Throughout FY 2021-22
9	Maintenance of block plantations, 5 th year work	ha.	1730.110	229.435	Throughout FY 2021-22
10	Maintenance of linear plantations, 5 th year work	km.	11.677	5.102	Throughout FY 2021-22
11	Maintenance of linear plantations, 5 th year work	gab.	500	1.125	Throughout FY 2021-22
12	Maintenance of block plantations, 6 th year work	ha.	4581.552	124.064	Throughout FY 2021-22
13	Maintenance of linear plantations, 6 th year work	km.	27.500	8.168	Throughout FY 2021-22
14	Maintenance of linear plantations, 6 th year work	gab.	175720	395.370	Throughout FY 2021-22
15	Maintenance of block plantations, 7 th year work	ha.	3172.275	87.173	Throughout FY 2021-22
16	Maintenance of Linear plantations, 7 th year work	km.	184.780	54.880	Throughout FY 2021-22
17	Maintenance of Linear plantations, 7 th year work	gab.	31254	70.322	Throughout FY 2021-22
18	Silviculture operation, 2 nd year work	ha.	2160.000	186.430	July-Sep, 2021
19	Silviculture operation, 3 rd year work	ha.	70.000	1.686	Throughout FY 2021-22
	Sub-Total			4026.184	

Division & Component-wise details are given at **Annexure-11**.

Details of Divisions to implement Catchment Area Treatment Plan and Integrated Wildlife Management Plan scheme as per condition compliance under FC Act are given at **Annexure- 12 and 13** respectively.

Part-III: Activities to be undertaken from Net Present Value and Interest component referred in rule 5 and rule 6:

(a) District/Forest Division wise details of activities to be done in the State on specified activities referred to in rule 5 and 6:

The details of the activities to be undertaken from the Net present Value (NPV) Component are as below:

Natural Forest Management (Rs. 9597.859 lakh)

The objective of the Natural Forest Management is to improve the overall stocking of the natural forest and at the same time to improve the productivity of the forests on a sustained yield basis by using appropriate silvicultural and management practices.

Since Jharkhand is hilly terrain with low rainfall in large number of districts, it is proposed to create water harvesting structures to increase the moisture regime in the forest areas to increase the greenery which in turn will benefit flora and fauna.

Component-wise and Division-wise details are given in **Annexure-14**.

Forest Protection (Rs. 1699.060 lakh)

The protection of forests is the primary responsibility of the Department. To facilitate mobility, it is proposed to provide causeways and culverts for better connectivity for protection works and mobility of staff. It is also proposed to consolidate forest boundary pillars for effective delineation of forest areas to prevent encroachment of forests. It is also proposed to engage home guards for effective protection and conservation of forests and wildlife.

Component-wise and Division-wise details are given in **Annexure-15-16**.

Miscellaneous interventions using LiDAR Technology (Rs. 500.00 lakh)

The efficacy of implementation of catchment area treatment plan in one major ridge area inside a forest block of each State as per the Detailed Project Report (DPR) prepared by using LiDAR (Light Detection and Ranging) technology will boost soil and moisture conservation, fodder augmentation and improve the forest quality. This was first discussed in the meeting of State Forest Ministers held on 30.11.2019. It was then decided that every State would identify one forest block as per prescribed criteria of the Ministry and implement the plan as per the DPR prepared by the Government of India using LiDAR technology. An area as per the prescribed criteria as decided by the Ministry has been identified in Hazaribagh West Forest Division in the State. The work related to the preparation of the DPRs has been assigned by the Ministry to M/s WAPCOS Ltd., a Govt. of India Undertaking.

Rejuvenation of identified rivers through forestry interventions (Rs. 200.00 lakh)

Indian Council of Forestry Research & Education (ICFRE), a body of the Ministry has been preparing DPRs for forestry interventions required for rejuvenation of 13 major rivers, namely Beas, Chenab, Jhelum, Ravi, Sutlej, Luni, Yamuna, Narmada, Godavari, Kaveri, Krishna, Brahmaputra and Mahanadi. In 9th meeting of Executive Committee of National CAMPA held on 12.01.2021, two more rivers- Damodar and Subarnarekha have also been included. Afforestation in catchment of these two rivers as per DPR will supplement the efforts towards enhancement of forest cover, increase in ground water recharge and reduction in soil erosion. In addition, a healthy riverine ecosystem will help in improving livelihoods of people who are directly or indirectly dependent on river water ecosystems.

Wildlife habitat improvement and related works (Rs. 6084.110 lakh)

The State is endowed with rich flora and fauna. It has one National Park and 11 Wildlife Sanctuaries besides one Elephant Reserve and one Tiger Reserve (PTR). Under this component following initiatives are proposed to be taken for conservation of biodiversity. In addition, anti-depredation measures will be undertaken in all the Divisions of the State affected with elephants, and other wild animals etc.

Main interventions proposed are as follows:

- **Wild life habitat improvement:** It includes undertaking silvicultural operations to improve health of forests, weed eradication, grassland development, and soil & moisture conservation works etc.
- **Biodiversity conservation activities:** This includes specific works of water resource development and protection in Wildlife Sanctuaries, Elephant Reserve, Palamau Tiger Reserve and selected territorial forest divisions. It includes the continuing scheme of construction of an Animal Rescue Centre being established at Ranchi.
- **Anti-depredation measures** such as maintenance of infrastructure like watch towers, solar street lights, materials and supplies for driving away wild elephants/ animals, strengthening of communication in order to reduce man-animal conflict in the Forest/ Wildlife Divisions.

Component-wise and Division-wise details are given in **Annexure-17**

Monitoring and Evaluation (Rs. 100.00 lakh)

Under this component, independent evaluation of CAMPA works by a third-party agency will be undertaken. Further, the training/updating/ uploading of information under e-Green Watch Portal will also be taken up and it is proposed for casual engagement of manpower to strengthen the offices of Regional CCFs, Field Director, Palamau Tiger Reserve CCF, Wild Life and State CAMPA for this purpose.

Forest Certification and FoSTaC Training (Rs. 150.00 lakh):

(A) Forest Certification

Forest Management Evaluation Audit and Certification is proposed to be carried out in six forest divisions of the State. One forest division shall be taken up in each of the six forest regions. The specialized job will be carried out by the expert Certification Body accredited by National Accreditation Body for Certification Bodies (NABCB). This work is expected to be completed by 2024-25. The various stages of the work are initial audit (gap analysis), main audit and four annual surveillance audits in the next four years. The work will be carried out as per standards of Network for Certification and Conservation of Forests (NCCF). Additional forest divisions may be taken up in 2021-22 depending on the progress in the six forest divisions.

(B) Food Safety and Food Certification (FoSTaC) training

FoSTaC Training is carried out by FoSTaC training agencies accredited by FSSAI (Food Safety Standards Authority of India). The trainees will be the members of Self Help Groups (SHGS), firms and individuals engaged in collection, processing and sale of food products, made from various types of forest produce, such as chironji, pickles, mahua biscuits, vinegar, forest honey. The one-day training programme on food safety and food certification as per FSSAI standards will be organized in all forest regions in the State.

Awareness Generation, promoting voluntary activities/study tours on conservation methods and best practices (Rs. 200.000 lakh)

All forest divisions would be involved in awareness generation programmes, especially school students of urban as well as rural areas, who would be given exposure to in-situ and ex-situ conservation areas. Publicity for carrying out compensatory afforestation and other activities under CAMPA and organizing programmes at State Hqrs. as well as in all the territorial Divisions are proposed to be undertaken. It is also proposed that around 200 schools consisting of around 5,000 children would participate in day-long visits to important wildlife, forest and biodiversity areas and these students become aware of the importance of forest, wildlife and biodiversity and their importance in day-to-day life and for critical maintenance of life-line ecosystem services as well as combating desertification and mitigating/adapting for climate change. As in previous years, study tours would be organized for students & youth to important forest areas to make them aware about the activities carried out for conservation of forest and wildlife; Professional/ Experts may also be engaged, if required, for this purpose.

Component-wise and Division-wise details are given in **Annexure-18**

Utilization of interest accrued on deposits in State Fund (Rs. 1000.000 lakh)

The interest accrued on monies in State Fund is proposed to be used to offset the incremental cost of compensatory afforestation, catchment area treatment plan, wildlife management plan, activities under NPV, and for disbursement of salaries etc. of members and staff, both regular and contractual of the State Authority as well as towards non-recurring and recurring expenditure of the State Authority.

Component-wise and Division-wise details are given in **Annexure-19**.

(b) Location, estimated cost and implementation schedule of each activity proposed to be executed from State Fund to be provided district/division wise:

Under the provisions of rule 5 of CAF rules, 2018, the following activities are proposed for the Annual Plan of Operation of the year 2020-21 from the NPV:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
Budget Sub-Head 05 : Net Present Value					
(b)	Other works : The physical and financial targets of various new activities area as follows:				
1	Silviculture, Natural Regeneration & SMC, 1 st year work	ha.	9645.000	5415.006	Sept, 2021-Mar, 2022
2	Advance work for block plantations (Forest land)	ha.	2900.000	1712.854	Sept, 2021-Mar, 2022
3	Soil and moisture conservation works	no.	380.000	2470.000	Sept, 2021-Mar, 2022
4	Miscellaneous interventions using LiDAR Technology	L.S.		500.000	Sept, 2021-Mar, 2022
5	Development/ strengthening of Permanent Nursery Infrastructure	L.S.		200.000	Throughout FY 2021-22
6	Consolidation of Boundary pillars	no.	12000	540.000	Throughout FY 2021-22
7	Rejuvenation of identified rivers through forestry interventions	L.S.		200.000	Sept, 2021-Mar, 2022
8	Casual Engagement of JFMCs/EDCs members for protection of forests	no.	310	319.176	Throughout FY 2021-22
9	Provision of causeway/culvert	no.	68	328.785	Sept, 2021-Mar, 2022
10	New building construction (Frontline staff quarters: Forest Guard-39 sets of 4 units+1 Part	no.	39+1(Part)	1575.400	Throughout FY 2021-22
11	Maintenance of forest roads	km.	2567.20	533.721	Sept, 2021-Mar, 2022
12	Wildlife habitat improvement and related activities	L.S.		6084.110	Throughout FY 2021-22
13	Distribution of improved cook stove in forest fringe villages	no.	1809	36.180	Throughout FY 2021-22
14	Distribution of solar lantern in forest fringe villages	no.	2370	94.800	Throughout FY 2021-22
15	Casual engagement of Home Guards for strengthening forest protection	no.	310	735.475	Throughout FY 2021-22
16	Independent evaluation of works under CAMPA	L.S.		70.000	Throughout FY 2021-22
17	e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	L.S.		30.000	Throughout FY 2021-22
18	Forest certification and food safety training activities	L.S.		150.000	Throughout FY 2021-22
19	Greening of denuded hills	L.S.		150.000	Throughout FY 2021-22
20	Publicity-cum-awareness programmes	L.S.		200.000	
	Total of NPV New activities			21345.507	

The Division-wise and component-wise details of the above proposed activities are annexed as **Annexure 20-25**.

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	
Budget Sub-Head 06 : Interest					
1	Activities to be undertaken for conservation and development of forest and wildlife	L.S.		820.000	Throughout FY 2021-22
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	L.S.		180.000	Throughout FY 2021-22
	Sub-Total			1000.000	
Budget Sub-Head 07 : Others					
		L.S.		50.000	Throughout FY 2021-22
	Sub-Total			50.000	

The component-wise details of the above proposed activities are annexed as **Annexure-26**.

- (c) Details of maintenance works in physical and financial terms, proposed to be undertaken in the state on specified activities referred to in rule 5 and rule 6 undertaken in previous years which needs maintenance for its survival and sustainability:

The details of maintenance work of non-CA plantations and nurseries are as below:

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)	Work Implementation Schedule
1	2	3	4	5	6
Budget Sub-Head 05 : Net Present Value					
(a)	Ongoing works : Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows :				
1	Maintenance of block plantations, 6 th year work	ha.	3491.500	110.814	Throughout FY 2021-22
2	Silviculture, Natural Regeneration & SMC, 2 nd year work	ha.	8880.000	766.433	Throughout FY 2021-22
3	Silviculture, Natural Regeneration & SMC, 3 rd year work	ha.	7272.250	175.189	Throughout FY 2021-22
4	Silviculture, Natural Regeneration & SMC, 4 th year work	ha.	10401.000	250.560	Throughout FY 2021-22
5	Maintenance of Nurseries (Previous Year 2020-21)	ha.	8.000	65.025	Throughout FY 2021-22
5	Maintenance of Nurseries	ha.	116.000	1052.854	Throughout FY 2021-22
	Sub-Total			2420.875	

The Division-wise and component-wise details of the proposed activities are annexed as **Annexure-27**.

Part-IV: Measurable output of all physical activities and targets of each permissible activity along with the period required for achieving the measurable output:

- (a) Physical and financial target of each activity to be undertaken in measurable quantity along with the estimated cost of such activities in tabular form including details provided in part II and part III:

Budget Sub-Head 02 : Compensatory Afforestation

- (a) **Ongoing works (Completion & Maintenance of old plantations)** : The physical and financial targets of various activities proposed under this head

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
1	Completion of block plantations, 2 nd year work	ha.	3713.516	1305.413
2	Completion of linear plantations, 2 nd year work	km.	97.688	229.997
3	Completion of linear plantations, 2 nd year work	gab.	720	4.021
4	Maintenance of block plantations, 3 rd year work	ha.	2734.493	477.413
5	Maintenance of linear plantations, 3 rd year work	km.	53.233	115.880
6	Completion of linear plantations, 3 rd year work	gab.	31010	139.235
7	Maintenance of block plantations, 4 th year work	ha.	3687.253	525.181
8	Maintenance of linear plantations, 4 th year work	km.	44.827	65.289
9	Maintenance of block plantations, 5 th year work	ha.	1730.110	229.435
10	Maintenance of linear plantations, 5 th year work	km.	11.677	5.102
11	Maintenance of linear plantations, 5 th year work	gab.	500	1.125
12	Maintenance of block plantations, 6 th year work	ha.	4581.552	124.064

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
13	Maintenance of linear plantations, 6 th year work	km.	27.500	8.168
14	Maintenance of linear plantations, 6 th year work	gab.	175720	395.370
15	Maintenance of block plantations, 7 th year work	ha.	3172.275	87.173
16	Maintenance of Linear plantations, 7 th year work	km.	184.780	54.880
17	Maintenance of Linear plantations, 7 th year work	gab.	31254	70.322
18	Silviculture operation, 2 nd year work	ha.	2160.000	186.430
19	Silviculture operation, 3 rd year work	ha.	70.000	1.686
	Sub-Total			4026.184
(b)	New works : CA, PCA and compliance of additional conditions : The physical and financial targets of various activities proposed under this head are as follows:			
1	Advance work for block plantations (Forest land)	ha.	5,641.469	4,770.513
2	Advance work for block plantations (Non-Forest land)	ha.	448.915	398.100
3	Advance work for block plantations–Safety Zone (Forest land)	ha.	11.522	10.350
4	Advance work for linear plantations–Safety Zone (Forest land)	km.	78.271	855.720
5	Advance work for linear plantations	km.	81.830	1,178.700
6	Advance work for linear plantations	gab.	12,580	143.836
7	Advance work for block plantations (Condition compliance)	ha.	826.000	544.978
8	Advance work for linear plantations (Condition compliance)	km.	6.366	66.435
9	Advance work for linear plantations (Condition compliance)	gab.	15,500	176.933
10	Silviculture operation (Condition compliance)	ha.	2,681.750	1,505.619
11	Soil & Moisture conservation (Condition compliance)	ha.	877.070	269.173
12	Construction of Check dam (Condition compliance)	no.	58	428.760
13	Renovation of Pond (Condition compliance)	no.	4	28.216
14	Purchase of Vehicle (Condition compliance)	no.	1	15.000
15	Entry Point Activity (Condition compliance)	no.	---	48.000
16	Survey Demarcation & Erection of Permanent Pillar (Condition compliance)	no.	207	8.978
17	Protection of Flora & Fauna (Condition compliance)	ha.	4,607.840	55.501
18	Fire protection (Condition compliance)	L.S.		148.610
	Sub-Total			10653.421
	Total of CA/PCA works			14679.605
Budget Sub-Head 03 : Catchment Area Treatment Plan				
1	Catchment Area Treatment Plan activities	L.S.		2268.559
	Sub-Total			2268.559
Budget Sub-Head 04 : Integrated Wildlife Management Plan				
1	Integrated Wildlife management plan activities	L.S.		5190.985
	Sub-Total			5190.985
Budget Sub-Head 05 : Net Present Value				
(a)	Ongoing works : Completion & Maintenance of old plantations: The physical and financial targets of various activities proposed under this head are as follows :			
1	Maintenance of block plantations, 6 th year work	ha.	3491.500	110.814
2	Silviculture, Natural Regeneration & SMC, 2 nd year work	ha.	8880.000	766.433
3	Silviculture, Natural Regeneration & SMC, 3 rd year work	ha.	7272.250	175.189
4	Silviculture, Natural Regeneration & SMC, 4 th year work	ha.	10401.000	250.560
5	Maintenance of Nurseries (Previous Year 2020-21)	ha.	8.000	65.025
5	Maintenance of Nurseries	ha.	116.000	1052.854
	Sub-Total			2420.875

Sl. No.	Activities	Unit	Physical	Outlay (Rs. in lakh)
1	2	3	4	5
(b)	Other works : The physical and financial targets of various new activities area as follows:			
1	Silviculture, Natural Regeneration & SMC, 1 st year work	ha.	9645.000	5415.006
2	Advance work for block plantations (Forest land)	ha.	2900.000	1712.854
3	Soil and moisture conservation works	no.	380.000	2470.000
4	Miscellaneous interventions using LiDAR Technology	L.S.		500.000
5	Development/ strengthening of Permanent Nursery Infrastructure	L.S.		200.000
6	Consolidation of Boundary pillars	no.	12000	540.000
7	Rejuvenation of identified rivers through forestry interventions	L.S.		200.000
8	Casual Engagement of JFMCs/EDCs members for protection of forests	no.	310	319.176
9	Provision of causeway/culvert	no.	68	328.785
10	New building construction (Frontline staff quarters: Forest Guard-39 sets of 4 units+1 Part	no.	39+1(Part)	1575.400
11	Maintenance of forest roads	km.	2567.20	533.721
12	Wildlife habitat improvement and related activities	L.S.		6084.110
13	Distribution of improved cook stove in forest fringe villages	no.	1809	36.180
14	Distribution of solar lantern in forest fringe villages	no.	2370	94.800
15	Casual engagement of Home Guards for strengthening forest protection	no.	310	735.475
16	Independent evaluation of works under CAMPA	L.S.		70.000
17	e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	L.S.		30.000
18	Forest certification and food safety training activities	L.S.		150.000
19	Greening of denuded hills	L.S.		150.000
20	Publicity-cum-awareness programmes	L.S.		200.000
	Total of NPV New activities			21345.507
	Grand Total of NPV activities			23766.381
Budget Sub-Head 06 : Interest				
1	Activities to be undertaken for conservation and development of forest and wildlife	L.S.		820.000
2	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	L.S.		180.000
	Sub-Total			1000.000
Budget Sub-Head 07 : Others				
	Sub-Total			50.000
	Grand-Total			46955.530

(b) Measurable output of all physical activities to be undertaken along with the period required for achieving the measurable output:

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
1	Completion of block plantations, 2nd year work	Establishment of green cover in 3713.516 ha.	In Next 6 Years
2	Completion of linear plantations, 2nd year work	Establishment of green cover in 97.688 km.	In Next 6 Years
3	Completion of linear plantations, 2nd year work	Establishment of green cover in 720 gabions	In Next 6 Years
4	Maintenance of block plantations, 3rd year work	Establishment of green cover in 2734.493 ha.	In Next 5 Years
5	Maintenance of linear plantations, 3rd year work	Establishment of green cover in 53.233 km.	In Next 5 Years
6	Maintenance of linear plantations, 3rd year work	Establishment of green cover in 31010 gabions	In Next 5 Years
7	Maintenance of block plantations, 4th year work	Establishment of green cover in 3687.253 ha.	In Next 4 Years
8	Maintenance of linear plantations, 4th year work	Establishment of green cover in 44.827 km.	In Next 4 Years
9	Maintenance of block plantations, 5th year work	Establishment of green cover in 1730.110 ha.	In Next 3 Years
10	Maintenance of linear plantations, 5th year work	Establishment of green cover in 11.680 km.	In Next 3 Years
11	Maintenance of gabion plantations, 5th year work	Establishment of green cover in 500 gabions	In Next 3 Years
12	Maintenance of block plantations, 6th year work	Establishment of green cover in 4581.552 ha.	In Next 2 Years
13	Maintenance of linear plantations, 6th year work	Establishment of green cover in 27.500 km.	In Next 2 Years
14	Maintenance of gabion plantations, 6th year work	Establishment of green cover in 175720 gabions	In Next 2 Years
15	Maintenance of block plantations, 7th year work	Establishment of green cover in 3172.275 ha.	In Next Year
16	Maintenance of block plantations, 7th year work	Establishment of green cover in 184.780 km.	In Next Year
17	Maintenance of gabion plantations, 7th year work	Establishment of green cover in 31254 gabions	In Next Year
18	Silviculture operation 2 nd Yr work	Establishment of green cover in 2400 ha.	In Next 3 Years
19	Silviculture operation 3 rd Yr work	Establishment of green cover in 70 ha.	In Next 2 Years
20	Advance work for block plantations (Forest land)	Establishment of green cover in 5641.469 ha.	In Next 10 Years
21	Advance work for block plantations (Non-Forest land)	Establishment of green cover in 448.915 ha.	In Next 10 Years
22	Advance work for block plantations– Safety Zone (Forest land)	Establishment of green cover in 11.522 ha.	In Next 10 Years
23	Advance work for block plantations– Safety Zone (Forest land)	Establishment of green cover in 78.271 km.	In Next 10 Years
24	Advance work for linear plantations	Establishment of green cover in 81.830 km.	In Next 10 Years
25	Advance work for linear plantations	Establishment of green cover in 12580 gabions	In Next 10 Years

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
26	Advance work for block plantations (Condition compliance)	Establishment of green cover in 826.00 ha.	In Next 10 Years
27	Advance work for linear plantations (Condition compliance)	Establishment of green cover in 6.366 km.	In Next 10 Years
28	Advance work for linear plantations (Condition compliance)	Establishment of green cover in 15500 gabions	In Next 10 Years
29	Silviculture operation (Condition compliance)	Establishment of green cover in 2681.750 ha.	In Next 4 Years
30	Soil & Moisture conservation (Condition compliance)	Establishment of green cover in 877.070 ha.	In Next Year
31	Construction of Check dam (Condition compliance)	Providing water facility to wildlife & Moisture conservation 58 no.	In Next Year
32	Renovation of Pond (Condition compliance)	Providing water facility	In Next Year
33	Purchase of Vehicle (Condition compliance)	Strengthening of forest protection with the help of patrolling vehicles	In Next Year
34	Entry Point Activity (Condition compliance)	Essential Infrastructure development activities	In Next Year
35	Survey Demarcation & Erection of Permanent Pillar (Condition compliance)	Delineation of forest areas to prevent encroachment	In Next Year
36	Protection of Flora & Fauna (Condition compliance)	Conservation of Protection of endangered plant & Wild animal species in 4607.840 ha.	In Next Year
37	Fire protection (Condition compliance)	Minimisation of Fire hazard in forests	In Next Year
38	Catchment Area Treatment Plan activities	To supplement efforts to increase in ground water recharge and reduction in soil erosion	In Next 4 Years
39	Integrated Wildlife management plan activities	To enhance wildlife conservation efforts in the implementation areas	In Next 4 Years
40	Maintenance of block plantations, 6th year work	Establishment of green cover in 3491.500 ha.	In Next Year
41	Silviculture, Natural Regeneration & SMC, 2nd year work	Establishment of green cover in 8880.00 ha.	In Next 3 Years
42	Silviculture, Natural Regeneration & SMC, 3rd year work	Establishment of green cover in 7272.250 ha.	In Next 2 Years
43	Silviculture, Natural Regeneration & SMC, 4th year work	Establishment of green cover in 10401.00 ha.	In Next Year
44	Maintenance of Nurseries	Supply of quality planting materials to local population 116.00 ha.	In Next Year
45	Silviculture, Natural Regeneration & SMC, 1st year work	Establishment of natural regeneration in 9645.00 ha.	In Next 4 Years
46	Advance work for block plantations (Forest land)	Establishment of green cover in 2900.00 ha.	In Next 10 Years
47	Soil and moisture conservation works	Establishment of green cover in 380.00 ha.	In Next Year
48	Miscellaneous interventions using LiDAR Technology	Miscellaneous interventions using LiDAR Technology in approx. 10,000 ha.	In Next 3 Years

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
49	Const. of Check dams/earthen water retention structures	Providing water facility to wildlife & Moisture conservation 367+5(Part) no.	In Next Year
50	Development/ strengthening of Permanent Nursery Infrastructure	Provision of Essential infrastructure in Permanent Nurseries	In Next Year
51	Consolidation of Boundary pillars	Delineation of forest areas to prevent encroachment	In Next Year
52	Rejuvenation of identified rivers through forestry interventions	Afforestation etc. in such areas to increase ground water recharge and reduction in soil erosion	In Next 10 Year
53	Casual Engagement of JFMCs/EDCs members for protection of forests	Effective management in respect of forest and wild life protection	In Next Year
54	Provision of causeway/culvert	Providing communication facility to nearby villages and staffs	In Next Year
55	New building construction (Frontline staff quarters: Forest Guard-39 sets of 4 units+1 Part	Improvement in living conditions of frontline staff	In Next Year
56	Maintenance of forest roads	Providing communication facility to nearby villages and staffs for enhanced protection	In Next Year
Wildlife habitat improvement and related activities			
57	Wildlife habitat improvement	* Wildlife habitat improvement to improve health of forests, weed eradication, grassland development and soil & moisture conservation works. • Reduced incidences of human-wildlife conflicts • Strengthening of communication network	In Next Year
58	Distribution of improved cook stove in forest fringe villages	Effective management in respect of forest and wildlife protection	In Next Year
59	Distribution of solar lantern in forest fringe villages	Effective management in respect of forest and wildlife protection	In Next Year
60	Casual engagement of Home Guards for strengthening forest protection	Effective management in respect of forest and wild life protection	In Next Year
Monitoring and Evaluation			
61	Independent evaluation of works under CAMPA	Third Party evaluation of CAMPA works	In Next Year
62	e-Green watch Portal – training, updating and uploading of information and strengthening of respective offices	Training, updating and uploading of information through e-Greenwatch portal and strengthening of respective offices	In Next Year
Forest Certification and training			
63	Forest certification and training activities	Sustainable forest management and to ensure livelihood opportunities and increased awareness on food safety standards	In next year

Sl. No.	Activities	Measurable output	Period required for achieving measurable output
1	2	3	4
Awareness Generation, promoting voluntary activities/ study tours on conservation methods and best practices			
64	Awareness Generation and Promoting voluntary activities/ study tours of youth and students for supporting conservation activities.	Publicity for carrying out compensatory afforestation and other activities and organizing awareness programmes at State Hqrs. as well as in all the territorial Divisions	In Next Year
65	Greening of denuded hills	Maintenance of high quality green spaces to bring benefits to the people's health and to the environment.	In Next Year
Interest			
66	Activities to be undertaken for conservation and development of forest and wildlife	Activities to be undertaken for conservation and development of forest and wildlife	In Next Year
67	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	Activities to be undertaken for non-recurring and recurring expenditure of State Authority	In Next Year
Others			
68	Others	Other activities to be undertaken for conservation and development of forest and wildlife	In Next Year

(c) Details of the concurrent monitoring and evaluation report including third party monitoring

- (i) With a view to make monitoring and evaluation of plantations more effective, the Department of Forest, Environment & Climate Change, Govt. of Jharkhand vide notification no. 4480 dated 31.10.2018 has strengthened the Monitoring & Evaluation wing of the department to monitor and review the developmental works carried out by the forest divisions. This wing comprising of Chief Conservator of Forest, Vigilance and supported by a Conservator of Forest and two Divisional Forest Officers, is doing monitoring of CAMPA works in the State. A summary of monitoring work done by the Monitoring & Evaluation wing of the department is enclosed **(Annexure-5)**.
- (ii) Further, the polygons of CAMPA works are regularly uploaded on e-Green watch Portal maintained by Government of India. This system of 'e-Green Watch' facilitates the automation of the various processes involved in monitoring & evaluation of various projects being undertaken by the State CAMPA. The polygons of plantations and information of other works are regularly uploaded on this portal **(Annexure-6)**.
- (iii) The site-details of compensatory afforestation, NPV works and detail of permanent and Hi-Tech nurseries are enclosed **(Annexure-7)**.

- (iv) A Request for Proposal was invited at national level by Jharkhand CAMPA to engage a Third-Party independent Agency for evaluation of CAMPA works. Initially, the evaluation of CAMPA works was proposed to be done from the commencement of State CAMPA schemes in one go. However, the bidders expressed their inability to complete this huge task in one year. After the approval of competent authority, it was therefore, decided to initially evaluate the CAMPA works for three years i.e., 2016-17, 2017-18, and 2018-19. After the evaluation of technical and financial bids, the work was awarded to the successful bidder in the month of November, 2020. The selected agency has commenced the work in the field and a summary of evaluation work done so far is enclosed as **Annexure-8 (i)**.
- (v) National CAMPA vide its notification no. 4-51/2019-NA dated 15.10.2019 **[Annexure-8 (ii)]** has also appointed experts in the 'Monitoring Group of National Authority' to evolve independent system of monitoring and evaluation of works in the States.

(d) Geo tags, basis of estimation and implementation schedule for site specific works like compensatory afforestation, penal compensatory afforestation.

The location and basis of estimation for site specific works like compensatory afforestation, penal compensatory afforestation etc. has been provided in the APO. The implementation schedule is also mentioned in the APO document. The activities are geo-tagged and the detailed information of location details of Division-wise activities proposed in the APO is available with Jharkhand CAMPA. Some of the location details of the works is enclosed at **Annexure- 28**.

Annual budget proposal of State Authority for 2020-21 in the Form-VI is enclosed at **Annexure-29**.

(e) Details of activities under 'NPV' and 'Interest' components

Details of activities covered under various Rule 5 (2) and 5(3) of CAF Rules, 2018 under 'NPV' component and Rule 6(a) and 6(b) under 'Interest' component is enclosed as **Annexure-31**.

(f) Minimum 80% of activities towards afforestation/forest development and wildlife habitat improvement

As per the decision taken in the 9th meeting of Executive Committee of the National Authority held on 12.01.2021 and in pursuance to the D.O. letter dated 22.10.2020 of Hon'ble Union Minister, MoEF&CC addressed to Hon'ble Chief Ministers of all the States, it was emphasized that minimum 80% of APO activities (irrespective of CA, NPV and Interest) should be used for activities related to afforestation/forest development and wildlife habitat improvement and the remaining maximum 20% should be utilized for other permissible infrastructure works including strengthening of forest and wildlife-related infrastructure. Accordingly, the APO 2021-22 has been prepared and the details of activities with minimum 80% of the activities related to development of forest and wildlife is enclosed as **Annexure-32**.

(g) Annual Report and Audit Report

The Annual Report of 2019-20 containing decisions of Executive and Steering Committee meetings during the year, brief of the Annual Plan of Operations, status of funds, statement of Annual Account as per Form-XI, and the Progress Report upto 31st March, 2020 was approved by the Steering Committee in its meeting held on 03.06.2020. Subsequently, a consolidated Annual Report of the State Forest Department was laid before the State legislature which also contained the progress of CAMPA works, as per approved Annual Report and Annual Account by the Steering Committee. After the audit work for the year is taken up by the Accountant General of Jharkhand, action as required would be taken on the recommendations therein.

(h) Consultation with Gram Sabha/Village Forest Management Committee

It is certified that as per the Explanation below Rule 5 of CAF Rules, 2018, the activities shall be taken up in consultation with Gram Sabha or Village Forest Management Committee, as the case may be, and shall be in consonance with the provisions of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 and guidelines issued thereunder, wherever applicable.

(i) Schedule of Rates, model estimates and minimum wages

As regards the Schedule of Rates to be followed, it is submitted that for all plantations and allied activities, the Schedule of Rate as circulated by APCCF, Development, Jharkhand for the State will be followed. Accordingly, the model estimates for various schemes, as issued from the office of APCCF, Development will be adhered to. For construction activities, the Schedule of Rates as decided by the State Building and Roads Department will be followed. In the case of revision in the Schedule of Rates, plantations and allied activities as well as the construction of buildings, check dams etc., will be undertaken as per the new Schedule of Rates. In that case, the proposed targets in the APO will stand modified accordingly. The present minimum wage rate in the State is Rs. 295.80/- per day and in case of revision in the minimum wage rate, the proposed targets will stand modified proportionately. The CAF Rules, 2018 also provide that the interest accrued on monies in the State Fund may be used to offset the incremental cost of compensatory afforestation, penal compensatory afforestation, catchment area treatment plan, wild life management plan, NPV etc. at the increased wage rates.

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ANNEXURES

(APO 2021-22)

Jharkhand CAMPA
CA / PCA Completion 2020-21

ANNEXURE I.1

Sl. No.	Name of F. Div.	Block Plantation				Linear Plantation					Silviculture		Total No. of Plants planted
		Forest Land Pl.		Non Forest Land Pl.		Km			Gabion		Area (ha)	No. of Plants planted	
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	Unit	No. of Plants planted	No. (gab)	No. of Plants planted			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Bokaro	556.670	8,64,023	---	---	---	---	---	---	---	---	---	8,64,023
2	Dhanbad	16.900	28,155	---	---	---	---	---	---	---	---	---	28,155
3	Giridih (East)	70.000	1,16,620	---	---	---	---	---	---	---	---	---	1,16,620
4	Giridih (West)	---	---	---	---	30.000	---	60,000	---	---	---	---	60,000
5	Ramgarh	49.411	82,319	---	---	---	---	---	---	---	---	---	82,319
6	Deoghar	461.000	7,68,026	---	---	---	---	---	---	---	---	---	7,68,026
7	Dumka	24.510	40,833	---	---	5.076	56.410	54,548	---	---	---	---	95,381
8	Godda	597.000	9,94,602	---	---	---	---	---	---	---	---	---	9,94,602
9	Jamtara	32.840	54,711	---	---	1.776	21.000	20,307	---	---	---	---	75,018
10	Pakur	22.000	22,000	---	---	---	---	---	---	---	---	---	22,000
11	Sahibganj	---	---	---	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	---	---	---	---	---	---	---	---
13	Chatra (S)	72.000	1,19,952	---	---	---	---	---	---	---	---	---	1,19,952
14	Hbag (East)	---	---	---	---	---	---	---	---	---	---	---	---
15	Hbag (West)	52.575	85,875	---	---	2.000	---	4,000	---	---	---	---	89,875
16	Koderma	---	---	---	---	10.000	---	20,000	---	---	70.000	14,000	34,000
17	Chaibasa	---	---	---	---	---	---	---	---	---	---	---	---
18	Jamshedpur	---	---	---	---	---	---	---	---	---	---	---	---
19	Kolhan	---	---	---	---	---	---	---	---	---	---	---	---
20	Porahat	25.000	41,650	---	---	---	---	---	---	---	---	---	41,650
21	Saraikeela	75.531	1,70,579	---	---	---	---	---	---	---	---	---	1,70,579
22	Saranda	---	---	---	---	---	---	---	---	---	---	---	---
23	Garhwa (N)	---	---	---	---	---	---	---	---	---	---	---	---
24	Garhwa (S)	---	---	---	---	---	---	---	---	---	---	---	---
25	Latehar	50.000	50,000	---	---	---	---	---	---	---	---	---	50,000
26	Medininagar	597.790	9,95,918	---	---	4.381	43.813	42,367	---	---	---	---	10,38,285
27	Gumla	---	---	---	---	---	---	---	---	---	---	---	---
28	Khunti	31.266	52,089	---	---	---	---	---	---	---	---	---	52,089
29	Lohardaga	---	---	---	---	---	---	---	---	---	---	---	---
30	Ranchi	---	---	---	---	---	---	---	---	---	---	---	---
31	Simdega	---	---	---	---	---	---	---	30,400	30,400	---	---	30,400
32	Hbag Wildlife	---	---	---	---	---	---	---	---	---	---	---	---
	Grand Total	2,734.493	44,87,353	---	---	53.233	121.223	2,01,223	30,400	30,400	70.000	14,000	47,32,976

- 36 -

Jharkhand CAMPA
CA / PCA Completion 2019-20

ANNEXURE 1.2

Sl. No.	Name of F. Div.	Forest Land		Non-Forest Land		Linear Plantation				Total No. of Plants planted
		Area (ha)	No. of Plants planted	Area (ha)	No. of Plants planted	Length (km)	No. of Plants planted	Number (gab)	No. of Plants planted	
1	2	3	4	5	6	7	8	9	10	11
1	Bokaro	875.110	12,99,505	---	---	---	---	---	---	12,99,505
2	Dhanbad	768.000	10,77,024	---	---	---	---	---	---	10,77,024
3	Giridih (E)	---	---	---	---	---	---	---	---	---
4	Giridih (W)	---	---	---	---	---	---	---	---	---
5	Ramgarh	189.224	3,15,249	---	---	---	---	---	---	3,15,249
6	Deoghar	99.546	1,65,844	2.020	3,366	---	---	---	---	1,69,210
7	Dumka	---	---	---	---	---	---	---	---	---
8	Godda	---	---	---	---	---	---	---	---	---
9	Jamtara	---	---	---	---	---	---	---	---	---
10	Pakur	---	---	---	---	---	---	---	---	---
11	Sahibganj	---	---	---	---	---	---	---	---	---
12	Chatra (N)	---	---	---	---	17.827	1,72,387	---	---	1,72,387
13	Chatra (S)	341.810	5,69,456	---	---	---	---	---	---	5,69,456
14	Hazaribag (E)	117.560	1,17,560	---	---	---	---	---	---	1,17,560
15	Hazaribag (W)	684.460	7,85,290	---	---	25.000	50,000	---	---	8,35,290
16	Koderma	4.000	4,000	---	---	2.000	4,000	---	---	8,000
17	Chaibasa	---	---	---	---	---	---	---	---	---
18	Jamshedpur	60.000	99,960	---	---	---	---	---	---	99,960
19	Kolhan	---	---	---	---	---	---	---	---	---
20	Porahat	37.360	37,360	---	---	---	---	---	---	37,360
21	Saraikeela	---	---	---	---	---	---	---	---	---
22	Saranda	25.000	25,000	---	---	---	---	---	---	25,000
23	Garhwa (N)	119.515	1,99,113	---	---	---	---	---	---	1,99,113
24	Garhwa (S)	---	---	---	---	---	---	---	---	---
25	Latehar	---	---	29.320	29,320	---	---	---	---	29,320
26	Medininagar	---	---	171.080	2,85,019	---	---	---	---	2,85,019
27	Gumla	12.000	19,992	---	---	---	---	---	---	19,992
28	Khunti	46.000	76,636	18.960	31,588	---	---	---	---	1,08,224
29	Lohardaga	3.280	3,280	20.008	28,966	---	---	---	---	32,246
30	Ranchi	29.000	48,314	---	---	---	---	---	---	48,314
31	Simdega	34.000	34,000	---	---	---	---	---	---	34,000
32	Hbag Wildlife	---	---	---	---	---	---	---	---	---
	Grand Total	3,445.865	48,77,583	241.388	3,78,259	44.827	2,26,387	-	-	54,82,229