

**GOVERNMENT OF ASSAM**  
**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS**  
**& HEAD OF FOREST FORCE: : ASSAM**  
**ARANYA BHAWAN, ASSAM**  
**PANJABARI: : GUWAHATI-781037.**

Phone No. (Off.): 0361 2331033  
Letter No. FG.27/CAMPA/APO/2021-22

E-mail [pccfcampa@gmail.com](mailto:pccfcampa@gmail.com)  
Dated: Guwahati, the 3<sup>rd</sup> July, 2021

To,

The Chief Executive Officer  
National Compensatory Afforestation Fund Management and Planning Authority  
(CAMPA)  
Jal Wing, Indira Paryvaran Bhawan  
Aliganj, Jor Bagh Road  
New Delhi – 110003.

Sub: **Submission of Annual Plan of Operation of Assam CAMPA for the year 2021-22.**

Sir,

I am directed to send herewith the Annual Plan of Operation (APO) for the year 2021-22 of Assam Compensatory Afforestation Fund Management and Planning Authority (CAMPA) amounting to Rs. 9767.62 lakhs in Form – XII as prescribed in Compensatory Afforestation Fund Rules, 2018. The APO has been approved by the State Level Steering Committee (SLSC) in its meeting held on 4<sup>th</sup> June, 2021. A copy of the minutes of SLSC meeting containing the approved APO is enclosed herewith.

It is therefore, requested to kindly place the APO before the Executive Committee of National Authority for approval.

Encl: As above.

Yours faithfully



(Suman Mohapatra, IFS)

Addl. Principal Chief Conservator of Forests &  
Chief Executive Officer (CAMPA)  
O/o the PCCF & HoFF, Assam  
Aranya Bhawan, Panjabari, Guwahati – 37

Copy alongwith a copy of the APO to the Principal Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 for kind information.



Addl. Principal Chief Conservator of Forests &  
Chief Executive Officer (CAMPA)  
O/o the PCCF & HoFF, Assam  
Aranya Bhawan, Panjabari, Guwahati – 37



**Minutes of the meeting of the State Level Steering Committee (SLSC) of the State Compensatory Afforestation Fund Management and Planning Authority (CAMPA), Assam held on 4<sup>th</sup> June, 2021 in the Conference Room of the Chief Secretary, Assam**

(List of the members present in the meeting is annexed at **Annexure-I.**)

The Chief Secretary, Assam and the Chairman, State Level Steering Committee (SLSC) of State CAMPA welcomed the members of the Committee and asked the PCCF & HoFF, Assam to initiate the discussion. Thereafter, the PCCF & HoFF, Assam gave a brief background of CAMPA and asked the CEO, CAMPA to start the agenda wise presentation.

The Addl. PCCF and CEO, State CAMPA, Assam elaborated the background of the State CAMPA and gave a PowerPoint presentation on the agenda items before the Members of the Committee. The presentation also included the activities undertaken under CAMPA since inception and present fund position. The Committee after a detailed discussion on the Agenda items arrived at the following conclusion.

**Agenda Items No. 1: Conformation of minutes of last State Level Steering Committee (SLSC) meeting held on 11.03.2020.**

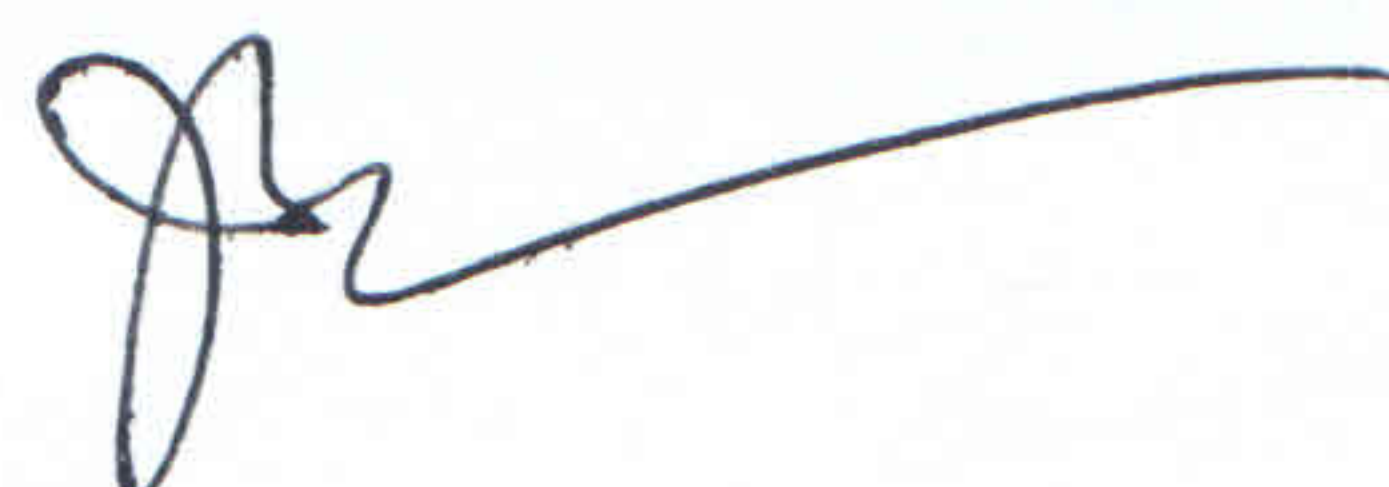
The CEO, State CAMPA, Assam stated that the minutes of the last State Level Steering Committee meeting held on 11<sup>th</sup> March, 2020 was circulated vide this office letter No. FG.27/CAMPA/SLSC/2019-20, Dated 18.03.2020 to all the Members of the meeting. As no comments on the minutes have been received from any Member, the minutes have been placed before the Committee for approval. The Committee conformed and accepted the same.

**Agenda Items No. 2: Action Taken Report of the last State Level Steering Committee meeting held on 11.03.2020.**

The CEO, State CAMPA, Assam elaborated about the actions taken on the suggestions received at the last State Level Steering Committee meeting. Regarding the drawal of Rs. 5.16 lakhs for radio collaring of wild elephants incorporated in the Agenda Item No. – 6 of the last meeting, the CEO, CAMPA proposed to include the same in the Annual Plan of Operation (APO) of 2021-22. The Committee approved the same and accepted the Action Taken Report.

**Agenda Items No. 3: Approval of the decision taken by the Chief Secretary –cum-Chairman, SLSC regarding maintenance of plantations and nurseries departmentally.**

As tenders were floated by the respective divisions, due to the stringent eligibility criteria the tender process could not be initiated for non receipt of tenders which led to slow down in the maintenance of the committed activities (plantations and nurseries) which are seasonal and time bound. In this regard, a proposal was sent to the Chief Secretary-cum-Chairman, State Level Steering Committee (SLSC) in file seeking approval to carry out maintenance of committed activities (Plantations and nurseries) departmentally. The Chief Secretary-cum-Chairman, SLSC had approved the same and asked to place it before SLSC meeting. Accordingly, the decision was approved in the meeting.





The PCCF & HoFF, Assam-cum-Member of the Committee mentioned that, all the plantation works including its maintenance should be allowed to be carried out departmentally and only fencing and other infrastructure works should be done through contractors. He also stated some of the difficulties being faced by the contractors hired for the aforesaid works which would lead to failure of the plantations. Moreover, he stated that most of the States of the country are doing the plantation works departmentally. It is to be stated that majority of plantation related fund goes into erection of fencing. For example, in the APO of 2020-21, out of Rs.47.00 crore, nearly Rs. 13.00 crore is meant for advance work and site nursery only and the remaining Rs. 34.00 crore is meant for fencing and other infrastructure. The Chairman suggested that the matter be taken up with the Finance Department after ascertaining the practice in various states.

**Agenda Items No. 4: Approval of the Annual Plan of Operation (APO) for the year 2021-22.**

As the main mandate of the meeting was the approval of the Annual Plan of Operation of 2021-22, the CEO, State CAMPA informed that the APO for 2021-22 was prepared and placed before the State Level Executive Committee (SLEC) held on 13.04.2021. Certain modifications were made by the State Level Executive Committee and accordingly the APO has been reframed and placed before SLSC, with an amount of Rs.96.20 Crores.

Going through all the activities incorporated in the APO, the Commissioner and Secretary, Environment & Forests asked whether an increase in the total amount of the APO is possible by including some important activities. The CEO, CAMPA stated that the APO is prepared on basis of the proposals received from the Divisions forwarded through the Wing Heads of the Department and placed before SLEC and approved as per the CAF, Rules, 2018. However, inclusion of certain activities is possible if approved by the SLSC. In this regard, the Chairman of the Committee suggested to include purchase of 10 nos. of Satellite Phones and construction of pre-fabricated camps for strengthening of border area development. Accordingly, all the items included in the APO have been approved. The APO after including the items as suggested by the Committee is given below:

**Assam CAMPA APO 2021-22**

Sl. No	Year wise Maintenance of Activities	Physical (in ha/ Nos)	Financial (in Rs. In lakhs)	Under CAF Rules
<b>Compensatory Afforestation (CA Fund)</b>				
A	<b>Site Specific Plantation</b>			CA Plantation
	Fencing, Adv. work, and nursery	467.452	637.53	
	Creation & 1st year maintenance of earlier SSP for which Adv work done during 2020-21 (Committed)	196.096	94.73	
	2nd year maintenance of earlier created SSP (Committed)	902.998	211.50	
	3rd year maintenance of earlier created SSP (Committed)	572.74	82.93	
	4th year maintenance of earlier created SSP (Committed)	252.42	29.47	
	5th year maintenance of earlier created SSP (Committed)	276.1326	6.69	
	<b>Total of Fencing &amp; Adv. Work</b>	<b>467.452</b>	<b>637.53</b>	
	<b>Total New SSP creation (Committed)</b>	<b>196.096</b>	<b>94.73</b>	
	<b>Total of SSP Maintenance (Committed)</b>	<b>2004.2906</b>	<b>330.59</b>	
	<b>Sub Total of SSP</b>		<b>1062.85</b>	
	Safety Zone (Calcom) Dima Hasao West Division	7.0 ha.	13.81	
	Dwarf Species Plantation in Golaghat division	2.354 ha.	3.94	
	<b>Total Compensatory Afforestation Fund (CA Fund)</b>		<b>1080.6</b>	



<b>Work under NPV (80% of NPV Category)</b>				
<b>B</b>	<b>Artificial Regeneration (AR)</b>			Rule 5 (2) (b)
	Fencing, Adv. work, and nursery	1323	2282.63	
	Creation & 1st Year maintenance for which Adv work done during 2020-21 (Committed)	2146	774.58	
	2nd year maintenance of earlier created AR (Committed)	1000	273.60	
	3rd year maintenance of earlier created AR (Committed)	588	139.25	
	4th year maintenance of earlier created AR (Committed)	602	109.29	
	5th year maintenance of earlier created AR (Committed)	685	96.95	
	<b>Total of Fencing &amp; Adv. work</b>	1323	2282.63	
	<b>Total of new creation (Committed)</b>	2146	774.58	
	<b>Total of Maintenance(Committed)</b>	2875	619.09	
	<b>Sub Total of Artificial Regeneration</b>		<b>3676.30</b>	
<b>C</b>	<b>Aided Natural Regeneration (ANR)</b>			Rule 5 (2) (a)
	Creation and 1st year maintenance for which Adv work done during 2020-21 (Committed)	730	468.82	
	2nd year maintenance of earlier created ANR (Committed)	500	129.84	
	<b>Total of new creation (Committed)</b>	730	468.82	
	<b>Total of Maintenance (Committed)</b>	500	129.84	
<b>Sub Total of ANR</b>		<b>598.66</b>		
<b>D</b>	<b>Sal Coppice Management</b>			Rule 5(2) (a) & (c)
	Creation & 1st Year maintenance for which Adv work done during 2020-21 (Committed)	235	26.16	
	2nd year maintenance of earlier created Sal Coppice (Committed)	100	10.30	
	3rd year maintenance of earlier created Sal Coppice (Committed)	117	9.15	
	4th year maintenance of earlier created Sal Coppice (Committed)	608	35.14	
	<b>Total of new creation (Committed)</b>	235	26.16	
	<b>Total of Maintenance (Committed)</b>	825	54.59	
	<b>Sub Total of Sal Coppice</b>		<b>80.75</b>	
<b>E</b>	<b>Apurugia Briksha Plantation</b>			Rule 5(2) (b)
	Creation & 1st year maintenance	10 (2 unit)	74.16	
	3rd year maintenance	55 (11 unit)	6.27	
	4th year maintenance	5 (1 unit)	0.57	
	<b>Sub Total of Apurugia Briksha Plantation</b>	<b>60 (12 unit)</b>	<b>81.00</b>	
<b>F</b>	Soil and water Conservation/harvesting works		1230.00	5 (2) (b)
	Catchment Area works		78.00	
	Afforestation cost		100.00	



	<b>Total of Catchment Area Treatment Plan</b>	<b>6122 ha.</b>	<b>1408.00</b>	
	Soil Moisture conservation	5 nos.	20.00	Rule 5(2) (g)
<b>G</b>	<b>Brahmaputra River Rejuvenation Programme</b>	<b>LS</b>	<b>100.00</b>	5 (2) (b)
<b>H</b>	<b>Survey Demarcation and Geo-referencing of Forest Boundary using DGPS/ETS in Reserve Forest</b>		<b>720.00</b>	Rule 5 (2) (d)
<b>I</b>	<b>Habitat Management</b>		<b>63.11</b>	Rule 5(2) (i)
<b>K</b>	<b>Biodiversity Conservation (Peoples Biodiversity Register)</b>	<b>26 nos.</b>	<b>24.00</b>	Rule 5(2) (m)
<b>L</b>	<b>Maintenance of Bio Diversity Park</b>	<b>24 nos.</b>	<b>40.83</b>	Rule 5(2) (b) and (m)
<b>Total of work under 80% of NPV</b>			<b>6812.65</b>	<b>80.03%</b>
<b>Work under NPV (20% of NPV Category)</b>				
<b>M</b>	<b>Nursery Creation</b>			Rule 5(3) (a) & 5 (3) (j)
	1.5 ha Nursery	1	21.97	
	<b>Nursery Maintenance</b>			
	1.5 ha Nursery	27	237.68	
	3.0 ha Nursery	5	93.37	
	<b>Sub Total of Nurseries</b>	<b>32</b>	<b>353.02</b>	
<b>N</b>	<b>Infrastructure Development</b>			Rule 5(3) (e)
	Construction of Range Office	1 nos.	21.00	
	Construction of Range Office cum Qtr.	3 nos.	140.94	
	Construction of Range Officer Qtr.	2 nos.	48.58	
	Construction of Forester Qtr.	9 nos.	139.06	
	Construction of Fgd. Qtr.	9 nos.	115.31	
	Construction of Assam Type Forester Barrack	9 nos.	198.14	
	Assam Type Forest Force Barrack (Bagser RF under Nagaon Divn.)	1 nos.	41.82	
	Anti Poaching Camp	5 nos.	72.50	
	Floating Anti Poaching Camp	2 nos.	50.00	
	Watch Tower	2 nos.	24.00	
	Construction of iron gate with boundary wall and infrastructure development of the Rhinoland Park under Nagaon Social Forest Division	1 no.	51.50	
	Construction of Boat	2 nos.	10.00	
	Construction of Cages for rescue and transportation of wild animals (For Rhinos 3 nos @ Rs.3.42 lakhs for leopards/Tiger 10 nos @ Rs.0.84 laksh)	13 nos.	18.68	
	Procurement of satellite phones	LS	20.00	
	Pre-fabricated camps in border area and connectivity infrastructure in wildlife area.	LS	100.00	
	Construction of Cable stayed steel bridge over Pachnoi River in Orang National Park (committed)	1 nos.	145.00	
<b>Sub Total of Infrastructure</b>		<b>1196.53</b>		
<b>O</b>	<b>Staff amenities for frontline field personnel including in 24 nos. of Biodiversity Parks</b>	<b>LS</b>	<b>69.62</b>	Rule 5(3) (e)
	<b>Radio Collaring of Wild elephants</b>	<b>2 nos.</b>	<b>5.16</b>	Rule 5(3) (c)



P	Publicity & awareness and celebration of Van Mahotsav etc.	LS	50.00	Rule 5(3) (i)
Q	Monitoring and Evaluation cost	LS	25.00	Rule 5(3) (h)
<b>Total of work under 20% of NPV</b>			<b>1699.33</b>	<b>19.97%</b>
<b>Interest Accrued</b>				
R	Sitting Fee and Allowances of nominated members of State CAMPA		0.70	Rule 6(a)(v)
	Procurment of Smart Phones	100 nos.	15.00	Rule 5(3) (c)
	Staff Salary of CEO office	LS	50.00	Rule 6( a) (iv)
	<i>Sub-Total</i>		<b>65.70</b>	<b>68.65%</b>
	Other administrative expenditure	LS	25.00	Rule 6(b) (i) & (ii)
	Procurment of Dekstop computer & Laptop	LS	5.00	Rule 5(3) (c)
	<i>Sub-Total</i>		<b>30.00</b>	<b>31.35%</b>
<b>Total Interest</b>			<b>95.70</b>	
<b>Others</b>				
S	Capacity development of frontline staffs, JFMC members, organization of workshop & specialised trainings, exposure visits etc.		46.58	
	Development of Software and Mobile App for Monitoring of works and online report generation (committed)	LS	7.41	
	Wood Balance study of Assam by RFRI		13.35	
	Audit fees for the year 2020-21		12.00	
	<i>Sub-Total</i>		<b>79.34</b>	
<b>Grand Total</b>			<b>9767.62</b>	

**Agenda Items No. 5: Approval of Annual Report of State CAMPA, Assam of 2019-20.**

Regarding the Annual Report of State CAMPA, Assam, 2019-20 the CEO, State CAMPA stated that, as per the Compensatory Afforestation Fund Rules, 2018, the Annual Report has to be submitted to the National CAMPA every financial year. Therefore, a draft Annual Report has been prepared and placed before the Committee. The same had also been accepted by the State Level Executive Committee held on 13.04.2021.

The Committee approved the same.

**Agenda Items No. 6: Acceptance of Audit Report for the year 2018-19.**

The CEO, State CAMPA mentioned that, the audit report for the year 2018-19 was received from the Chartered Accountant and has been placed before the Committee. The same had also been placed before the SLEC held on 13.04.2021 and after scrutiny the SLEC had already accepted the same.

The Committee accepted the same.

**Agenda Items No. 7: Monitoring and Evaluation Report for the year 2017-18 and 2018-19.**

The CEO, State CAMPA stated that the Monitoring and Evaluation of the works implemented by different Divisions under State CAMPA, Assam are conducted by a Third Party. Accordingly, the said work has been conducted by "Green Initiatives Certification And Inspection Agency, Noida" for the years 2017-18 and 2018-19. The agency has submitted the final



report and has been placed before the Committee showing the overall scorings and observations. The final report had been placed before the SLEC and had been accepted.

The Committee accepted the same.

**Agenda Items No. 8: Any other matter with permission of the Chair.**

1. Suggestion from representative of the Principal Secretary to the Govt. of Assam, Environment and Forest Department regarding increasing the size of APO was noted. Accordingly it was suggested to create a new 1.5 ha. nursery in a suitable area under North Kamrup Division as there is no nursery in the Division for distribution of seedlings. In this regard, the CEO, State CAMPA stated that, there were in total 97 nos. of nurseries created and maintained under State CAMPA, Assam from 2009-10. But, in the year 2019 as suggested by the SLSC, the no. of nurseries has been reduced to 70 nos. and again it has been reduced to 32 nos. as per decision of the Forest Department. He stated that, for creation of any new nursery the same must be included in the Annual Plan of Operation as there is provision in the CAF, Rules, 2018. Besides the above, some provision has also been made for creating connectivity infrastructure in wildlife areas.

2. Regarding distribution of the seedlings, the CEO, State CAMPA stated that, department has fixed some conditions on distribution of seedlings. The matter was discussed in the SLEC meeting held on 13.04.2021 where, the Committee suggested that out of total production of seedlings, 20% of seedlings will be reserved for free distribution and remaining 80% will be kept for sale where preferences will be given to the contractors hired for raising plantation under APFBC project. The Executive Committee decided that maximum of 5 nos. of plants will be given to any individual and 50 nos. of plants to any organization free of cost. If any individual/organization wants more seedlings than as fixed above, they will have to pay Rs. 10/- per seedling.

In this regard, the State Level Steering Committee suggested that provisions must be kept for distribution of seedlings free of cost to some of the Government organizations like defense, military and para-military, etc.

The meeting ended with vote of thanks to the Chair.

-Sd-

(Shri Jishnu Barua, IAS)  
Chief Secretary, Govt. of Assam  
&  
Chairman  
State Level Steering Committee  
State CAMPA, Assam

Memo No: FG.27/CAMPA/SLSC/2020-21

Dated: Guwahati, the 15<sup>th</sup> June /2021

1. The Addl. Chief Secretary to the Govt. of Assam, T & D Department, Dispur, Guwahati-6.
2. The Addl. Chief Secretary to the Govt. of Assam, Revenue & DM Department, Dispur, Guwahati-6.
3. The Addl. Chief Secretary to the Govt. of Assam, Science & Technology Department, Dispur, Guwahati-6.
4. The Principal Secretary to the Govt. of Assam, Finance Department, Dispur, Guwahati-6.



5. The Principal Secretary to the Govt. of Assam, Environment & Forests Department, Dispur, Guwahati-6.
6. The Principal Secretary to the Govt. of Assam, P & RD Department, Dispur, Guwahati-6.
7. The Principal Secretary & Agriculture Production Commissioner to the Govt. of Assam, Agriculture Department, Dispur, Guwahati-6.
8. The Deputy Director General of Forests (Central), North Eastern Regional Office, Ministry of Environment & Forests, Shillong.
9. The Principal Chief Conservator of Forests & Head of Forests Force, Assam, Aranya Bhawan, Guwahati-37.
10. The Principal Chief Conservator of Forests (Wildlife), Assam, Aranya Bhawan, Guwahati-37.
11. The Addl. Principal Chief Conservator of Forest & Chief Wildlife Warden, Assam, Aranya Bhawan, Guwahati-37.
12. The Addl. Principal Chief Conservator of Forests (SF) cum Nodal Officer, State Development Agency.
13. The Commissioner & Secretary to the Govt. of Assam, WPT & BC Department, Dispur, Guwahati-6.
14. The Chief Conservator of Forests & Nodal Officer (F.C. Act), O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.
15. Shri Ramen Singh Rabha, S/o: Aloram Rabha, Vill: Lampara, P.S.: Boko, Dist.: Kamrup.
16. The P.S. to the Chief Secretary, Assam, Dispur, Guwahati-6.
17. The Sr. Finance & Accounts Officer, O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.
18. The Addl. Principal Chief Conservator of Forests (HQ), O/o the PCCF & HoFF, Assam, Aranya Bhawan, Panjabari.



(Suman Mohapatra, IFS)  
Member Secretary,  
State Level Steering Committee  
cum  
Addl. Principal Chief Conservator of Forests  
& Chief Executive Officer, State CAMPA  
Assam, Aranya Bhawan, Guwahati-37

o/e

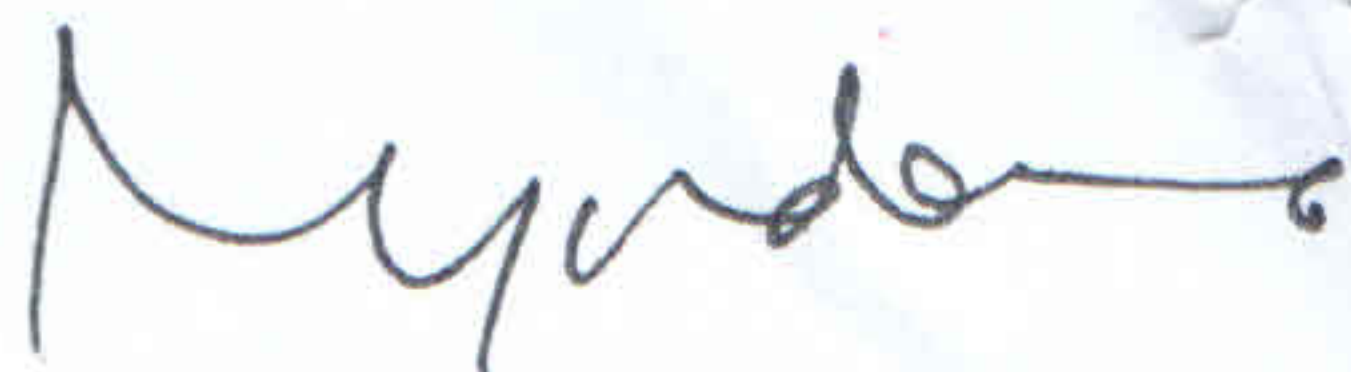

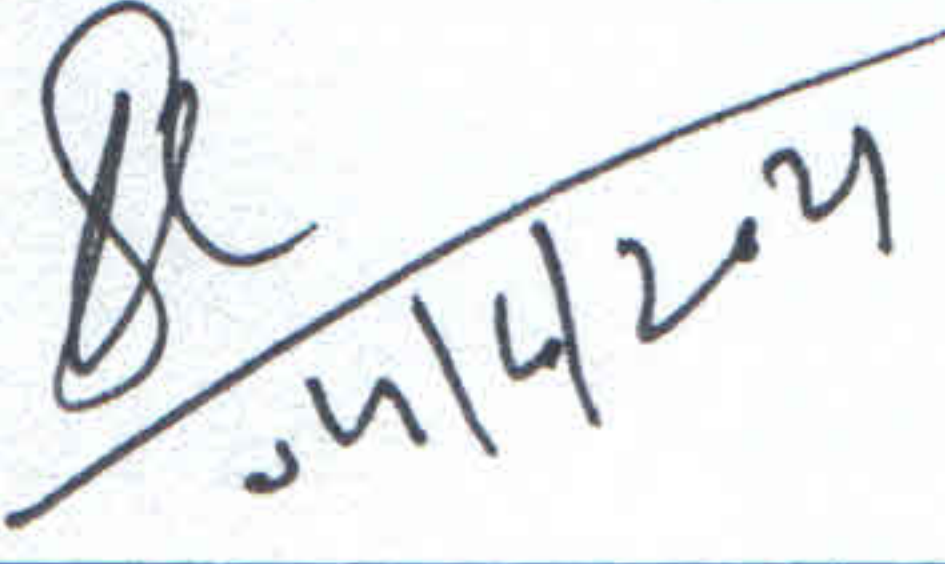





### ATTENDANCE SHEET

STATE LEVEL STEERING COMMITTEE MEETING ON 04.06.2021 at 11.00 AM IN THE CONFERENCE HALL OF THE CHIEF SECRETARY, ASSAM

Sl. No.	Designation	Signature
1	<b>Chief Secretary</b> Government of Assam	
2	<b>Addl. Chief Secretary to the Govt. of Assam</b> T & D Department, Dispur, Guwahati-6.	 Secretary T & D.
3	<b>Addl. Chief Secretary to the Govt. of Assam</b> Revenue & DM Department, Dispur, Guwahati-6.	
4	<b>Addl. Chief Secretary to the Govt. of Assam</b> Science & Technology Department, Dispur, Guwahati-6. DR-JAIDEEP BARUAH, Head 7, Env., ASTEL	
5	<sup>Comm &amp;</sup> <b>Principal Secretary to the Govt. of Assam</b> Finance Department, Dispur, Guwahati-6.	
6	<sup>FO</sup> <b>Principal Secretary to the Govt. of Assam</b> Environment & Forests Department, Dispur, Guwahati-6. G D Tripathi CAS	 CAS
7	<sup>Comm Secy</sup> <b>Principal Secretary to the Govt. of Assam</b> P & RD Department, Dispur, Guwahati-6.	
8	<sup>Additional Chief Secretary</sup> <b>Principal Secretary &amp; Agriculture Production Commissioner</b> to the Govt. of Assam Agriculture Department, Dispur, Guwahati-6.	
9	<b>Deputy Director General of Forests (Central)</b> North Eastern Regional Office, MoEF & CC, Govt. of India, Shillong.	
10	<b>Principal Chief Conservator of Forests &amp; Head of Forests Force, Assam</b> Aranya Bhawan, Guwahati-37.	
11	<b>Principal Chief Conservator of Forests (Wildlife), Assam</b> Aranya Bhawan, Guwahati-37.	 04/6/21



12	<b>Addl. Principal Chief Conservator of Forest &amp; Chief Wildlife Warden, Assam</b> Aranya Bhawan, Guwahati-37.	
13	<b>Addl. Principal Chief Conservator of Forests (SF) cum Nodal Officer, State Development Agency, Assam</b> Aranya Bhawan, Guwahati-37.	
14	<b>Commissioner &amp; Secretary to the Govt. of Assam</b> WPT & BC Department, Dispur, Guwahati-6.	
15	<b>Chief Conservator of Forests &amp; Nodal Officer (F.C. Act)</b> O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.	
16	<b>Ramen Singh Rabha</b> S/o: Aloram Rabha, Vill: Lampara, P.S.: Boko, Dist.: Kamrup.	
17	<b>The Addl. Principal Chief Conservator of Forests and Chief Executive Officer, Assam CAMPA</b> O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.	
18	<b>The Addl. Principal Chief Conservator of Forests (HQ)</b> O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.	
19	<b>The Sr. Finance &amp; Accounts Officer</b> O/o the PCCF & HoFF, Assam, Aranya Bhawan, Guwahati-37.	
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## PART-I **BRIEF HISTORY AND PAST PERFORMANCE**

### **(a) Brief description of forests and forestry sector in Assam**

The state of Assam is located in the north-eastern region of India, has an area of 78,438 Sq. Km., 2.39% of the total geographical area of the country, and has sub-tropical climate. The state can be divided into three physiographic regions, viz. Brahmaputra valley, Central Assam Hills and Barak valley.

- ***Brahmaputra River Valley*** is the northern part of Assam (Covering the north eastern end, central Assam and the western end). The floodplains of the Brahmaputra river covers nearly 72% of the State, bestowing the land with immensely fertile land. Spreading its rich alluvial plains across the length and breadth of Assam, the river makes the State ideal for agriculture as well as forest growth.
- South of the approximate centre of the State lie the ***Dima Hasao and KarbiAnglong districts*** which are separated from the upper valley by a range of hills. The two districts have autonomous councils and are administratively structured to be relatively more independent of the State and central machinery. Earlier known as the North Cachar Hills, they separate the Brahmaputra river valley of the State – the Barak Valley.
- Named after the Barak River, the ***Barak Valley*** comprises the three southern most districts of Assam. The geography of the valley lends itself to annual flooding, making it both fertile as well presenting a significant risk to life.

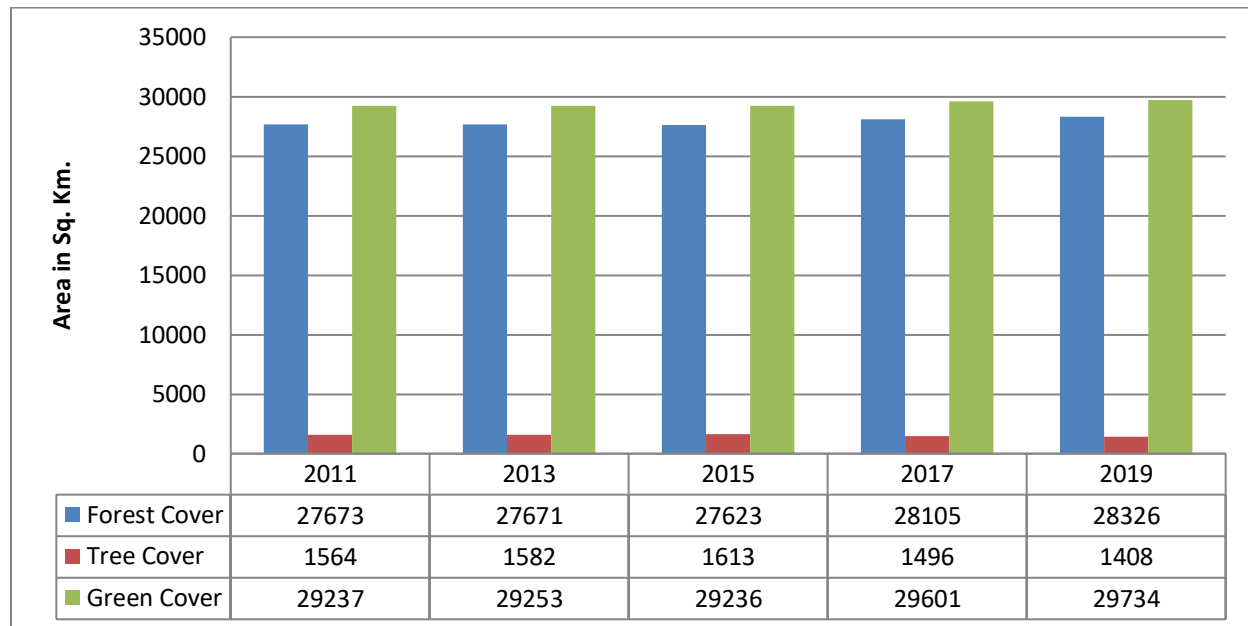
Assam is one of the biodiversity-rich areas in the world consisting of tropical rainforests, deciduous forests, riverine grasslands, bamboo orchards and numerous wetland eco systems. Forest Survey of India has mapped forest types/sub types in the country with reference to Champion and Seth classification using satellite data. As per this assessment, Assam has 18 forest sub-types belonging to five forest type groups:

- ***Tropical Wet Evergreen.***
- ***Tropical Semi Evergreen.***
- ***Tropical Moist Deciduous.***
- ***Tropical Dry Deciduous.***
- ***Sub-Tropical Pine Forests.***

The state has recorded forest area of 28,327 sq. km, which is 36.11% of its geographical area. Within the forest area, the reserved forest and unclassed forests are 66.58% and 33.42% respectively. As per the State of Forest Report (FSI, 2019), the total forest cover in the state is 28,327 sq. km. ( 36.11% of Geographical area), comprising 2795 sq. km very dense forest, 10,279 sq. km moderately dense forest and 15,253 sq. km open forest.



The total carbon stock of forests in the State is 270.15 million tones which is 3.79 % of total forest carbon stock of the country. An increase in total green cover (forest cover and tree cover) has been recorded from 2011 to 2019.



According to the State of the Forest Report 2019, a net increase of 221.51 Km<sup>2</sup> in forest cover has been observed mainly due to plantations mostly outside forest areas. The decrease in forest cover in some of the districts has also been observed due to rotational felling in tea gardens, shifting cultivations and developmental activities. The forest area is suffering from habitat degradation, encroachments, fuel wood extraction etc. Plantation raised in degraded areas, especially in the *Jhum* areas, face immense biotic pressures.

The Forest Department of Assam is composed of four wings viz. Territorial, Wildlife, Social Forestry and Research Education & Working Plan. The State is divided into 66 forest divisions. There are 33 Territorial, 8 Wildlife, 14 Social Forestry and 11 divisions under Research Education & Working Plan.

**(b) Compensatory afforestation, other forestry and related schemes (physical and financial) including catchment area treatment, wildlife management and community development works and activities carried out therein in the State in last five years from the State Fund, in tabular form.**

The funds under State CAMPA, Assam received from the Government of India are utilized as per the guidelines of CAMPA. The Annual Plan of Operations are prepared and



submitted in form of NPV (Net Present Value), CA (Compensatory Afforestation), Penal CA etc. and works are undertaken as per the same. In the last five years (**2016-17 to 2020-21**), State CAMPA, Assam has undertaken various activities (Creation and Maintenance), which are mentioned in the following table:

<b>Sl. No.</b>	<b>Item of works</b>	<b>Physical (In Ha./Nos.)</b>	<b>Financial (In Crores)</b>
1	Site Specific Plantation (CA)	1804.2426 Ha.	25.79
2	1.5 Ha. Nursery	20 Nos.	20.26
3	3.00 Ha. Nursery	4 Nos.	19.42
4	Aided Natural Regeneration	1000 Ha.	9.22
5	Afforestation	2975 Ha	34.61
6	Sal Coppice Management	1100 Ha.	8.31
7	ApurugiyaBrikhya Plantation	60 Ha. (12 units)	4.07
8	Infrastructure Development	Buildings for Frontline Staffs, Watch Towers, Forest Roads etc.	16.71
9	Monitoring & Overhead	---	0.29
10	Capacity Development	---	0.51
11	Publicity & Awareness	---	1.23
12	Amenities to staff etc.	---	0.87
13	Man Animal Conflict Management other than ex-gratia & ICT	---	0.34
14	Soil Moisture Conservation	---	0.15
15	Establishment of Bio-diversity Parks	24 Nos.	3.46
16	Development of Medicinal Plants	---	0.26
17	In-situ conservation of indigenous Orchids and ex-situ Conservation of indigenous araceae family in Assam	---	0.13
18	Habitat Management in protected areas	---	1.74
19	Payment of casual workers	---	0.30
<b>TOTAL</b>			<b>147.67</b>



(c) Forestry and other related schemes (physical and financial) and activities carried out therein in the state in previous years from the fund received under other schemes of the Government.

Details attached in tabular form as ANNEXURE – I.

(d) Year-wise total forest area diverted in the various forest divisions of Assam since 1980

Year	Diverted area (in Ha)	Name of Division with Area (in Ha.)		Stipulated Compensatory Afforestation (in Ha.)		
				Forest land in ha.	Non-forest land in ha.	Total
1981-82	170.2	Hailakandi	170.20		170.20	170.20
1982-83	0.00		0.00	0.00	0.00	0.00
1983-84	2.63	Dibrugarh	2.630	5.260		5.260
1984-85	299.69	Sivsagar	62.120	118.32	2.96	121.28
		Dibrugarh	41.51	44.24	19.39	63.63
		Darrang	196.06	400.00		400.00
1985-86	25.180	Dibrugarh	19.480		19.480	19.480
		Sivsagar	5.70		5.70	5.70
1986-87	116.507	Dibrugarh	16.487	34.00		34.00
		Karimganj	100.02		100.02	100.02
1987-88	9.788	Dibrugarh	9.788		9.788	9.79
1989-90	86.702	Dibrugarh	11.505		11.123	11.123
		Golaghat	9.350		9.350	9.350
		Sivsagar	8.00	16.00		16.00
		Kokrajhar	56.947		56.947	56.95
		Darrang	0.9	1.80		1.80
1991-92	96.515	Kamrup	32.020		32.02	32.02
		Nagaon	30.255	63.00		63.00
		Golaghat	6.620		6.62	6.62
		KarbiAnglong	1.120	2.30		2.30
		Goalpara	26.500		26.500	26.500
1992-93	132.678	Goalpara	132.678		132.678	132.68
1993-94	203.348	Goalpara	0.980		0.980	0.980
		Karimganj	7.500		7.500	7.500
		Tinsukia	4.422	8.844		8.844
		Aie Valley	4.966		5.000	5.000
		KarbiAnglong	55.030	45.6	32.430	78.03
		Sonitpur	130.450	260.900		260.900



1994-95	297.680	Golaghat	98.020		98.020	98.020
		Hailakandi	25.650	51.300		51.300
		KarbiAnglong	28.000	56.000		56.000
		N.C. Hills	35.010	70.020		70.020
		Sonitpur	77.500	155.000		155.000
		Goalpara	20.000		20.000	20.000
		Karimganj	13.500	27.000		27.000
1995-96	5.00	Dhubri	5.000		5.000	5.000
1996-97	20.62	Sivsagar	9.182		9.182	9.182
		Golaghat	8.858		8.858	8.858
		Digboi	2.580	5.600		5.600
1997-98	21.21	Golaghat	21.210	42.420		42.420
1998-99	14.82	Sivsagar	6.120	12.240		12.240
		Cachar	7.750	13.000		13.000
		Digboi	0.950	2.000		2.000
1999-2000	50.199	Digboi	3.290	6.580		6.580
		Sonitpur	4.641		4.641	4.641
		Jorhat	35.460	70.100		70.100
		Golaghat	5.690	16.740		16.740
		Aie Valley	1.118	2.236		2.236
2000-01	36.005	Golaghat	14.405	28.810		28.810
		Kamrup	8.100		8.100	8.100
		Cachar	13.500		13.500	13.500
2001-02	7.481	Karimganj	3.641		3.641	3.641
		Golaghat	3.840	7.680		7.680
2002-03	4.020	Golaghat	4.020	8.040		8.040
2003-04	12.356	Digboi	12.356	24.720		24.720
2004-05	833.39	Karimganj	1.000	2.000		2.000
		Golaghat	4.390	8.780		8.780
		Sibsagar	6.450	14.000		14.000
		Dhemaji	816.300	1632.600		1632.000
		Dhubri	3.000	3.000		3.000
		Nagaon	2.250	0.00	0.00	0.00
2005-06	25.119	Haltugaon	6.000	10.00		10.00
		Nagaon	1.250	0.00	0.00	0.00
		Kamrup West Division	0.800	0.00	0.00	0.00
		Kamrup East Division	2.900	0.00	0.00	0.00
		Golaghat	3.725	7.450		7.450
		Aie Valley	3.000	0.00	0.00	0.00



		Dhubri	2.000	0.00	0.00	0.00		
		Doomdooma	2.944	6.000		6.000		
		Dibrugarh	2.500	5.000		5.000		
2006-07	77.056	Kachugaon	0.950	0.00	0.00	0.00		
		Nagaon	27.660	50.720		50.720		
		Kamrup East Division	7.500	0.000	0.00	0.000		
		Haltugaon	0.900	0.000	0.00	0.000		
		Aie Valley	1.000	2.000		2.000		
		Hailakandi	26.500		26.500	26.500		
		Lakhimpur	0.500	0.000	0.00	0.000		
		Sonitpur East Division	2.000	0.000	0.00	0.000		
		Golaghat	8.837	17.674		17.674		
		Digboi	0.609	1.218		1.218		
		North Kamrup Division	0.600	0.000	0.00	0.000		
		2007-08	222.130	Kamrup West Division	1.000	0.00	0.00	0.00
				Digboi	2.038	4.076		4.076
				Sonitpur East Division	2.000	0.00	0.00	0.00
Kamrup East Division	1.500			0.00	0.00	0.00		
Lakhimpur	2.000			0.00	0.00	0.00		
Kachugaon	1.680			2.00		2.00		
Goalpara	2.000			0.00	0.00	0.00		
North Cachar Hill Division	155.100			310.00		310.00		
Nagaon	2.850			0.00	0.00	0.00		
North Kamrup Division	21.900			42.00		42.00		
Dhemaji	26.460			53.000		53.000		
Nagaon South Division	3.600			7.200		7.200		
2008-09	184.460			Nagaon	3.900	2.800		2.800
		North Kamrup Division	13.621	25.50		25.50		
		Golaghat	44.140	88.28		88.28		
		Dhemaji	2.896	5.790		5.790		
		Nagaon South Division	119.900	240.000		240.000		



2009-10	748.132	Sibsagar	6.580	14.000		14.000
		North Cachar Hill Division	27.970	56.000		56.000
		Kamrup East Division	2.751	4.502		4.502
		North Kamrup Division	418.500	837.000		837.000
		Nagaon	195.310	390.600		390.000
		Guwahati Wildlife Division	7.021	14.000		14.000
		Dhubri	2.000		2.00	2.000
		Kachugaon	35.000	70.000		70.000
		Haltugaon	53.000	106.000		106.000
2010-11	9.075	Golaghat	1.795	3.590		3.590
		Kamrup East Division	1.900	2.800		2.800
		Dibrugarh	4.380	8.760		8.760
		Dhubri	1.000	2.000		2.000
2011-12	6.911	Nagaon	2.000	2.000		2.000
		Dibrugarh	0.671	1.340		1.340
		Hamren	3.240	6.500		6.500
		Goalpara	1.000	2.000		2.000
2012-13	368.69	Nagaon South Division	1.000	2.000		2.000
		North Kamrup Divn	1.000	2.000		2.000
		Kamrup East Division	83.230	166.460		166.460
		Goalpara	13.110	26.220		26.220
		Karimganj	18.440	36.880		36.880
		Aie Valley	4.410	7.820		7.820
		Haltugaon	3.720	7.440		7.440
		Golaghat	4.720	9.440		9.440
		Sonitpur West Division	161.771	323.542		323.542
		Cachar Division	45.264	90.528		90.528
Jorhat Division	32.025	64.050		64.050		
2013-14	43.587	Karimganj Division	13.800	27.600		27.600
		Golaghat	1.750	3.500		3.500
		North Cachar Hills Division	3.600	7.200		7.200
		AieVally	8.880	17.760		17.760



		Haltugaon	9.802	2.760	8.4226	11.183
		Chirang Division	1.610	3.220		3.220
		Lakhimpur	1.000	2.000		2.000
		Sibsagar	3.144	6.288		6.288
2014-15	1.00	Nagaon South Division	1.000	2.000		2.000
2015-16	7.56	Golaghat	2.160	4.320		4.3200
		Goalpara	5.400	11.000		11.0000
2016-17	51.162	Dhubri	15.581	16.000	8.00	24.000
		Parbatjhora	0.710	1.420		1.420
		Aie Valley	13.564	30.000		30.000
		Kamrup East Division	21.307	43.000		42.614
2017-18	89.621	Digboi Division	4.844	10.000		10.000
		Nagaon Division	1.000	2.000		2.000
		Cachar Division	83.777	167.554		167.554
2018-19	40.62	Nagaon Division	6.00	2.00	5.00	7.00
		Dibrugarh Division	0.069			
		Goalpara Division	1.00	2.00		2.00
		Dhubri Division	1.00	2.00		2.00
		Sonitpur West Division	6.00	12.000		12.00
		Sonitpur East Division	23.547	47.094		47.094
		Nagaon South Division	2.00		2.00	2.00
		Dhansiri Division	1.00	2.00		2.00
2019-20	40.48	Dibrugarh Division	20.5		20.5	20.5
		Golaghat Division	19.976	39.95		39.95
2020-21	948.546	Dima Hasao West Division	425.5		425.5	425.5
		Dima Hasao West Division/Hamren Division	523.046		523.046	523.046
<b>TOTAL</b>			<b>5310.15</b>	<b>6862.98</b>	<b>1840.60</b>	<b>8703.57</b>



**(e) Year-wise total compensatory afforestation carried out in the State since 1980**

Sl. No.	Fin Year	Diverted Forest land (in Ha.)	Proposed/Stipulated			Carried Out		
			CA Details (in Ha.)		Total (4+5)	CA Details (in Ha.)		Total (7+8)
			DDFL	NFL		DDFL	NFL	
1	2	3	4	5	6	7	8	9
1	1980-81	0	0	0	0	0	0	0
2	1981-82	170.2	0	170.2	170.2	0	0	0
3	1982-83	0	0	0	0	0	0	0
4	1983-84	2.63	5.26	0	5.26	5.26	0	5.26
5	1984-85	299.69	562.56	22.35	584.91	492.56	22.35	514.91
6	1985-86	25.18	0	25.18	25.18		25.18	25.18
7	1986-87	116.507	34	100.02	134.02	34	100.02	134.02
8	1987-88	9.788	0	9.788	9.788	0	9.788	9.788
9	1988-89	0	0	0	0	0	0	0
10	1989-90	86.702	17.8	77.42	95.22	17.8	77.42	95.22
11	1990-91	0	0	0	0	0	0	0
12	1991-92	96.515	65.3	65.14	130.44	65.3	65.14	130.44
13	1992-93	132.678	0	132.678	132.678	0	132.678	132.678
14	1993-94	203.348	315.344	45.91	361.254	315.344	45.91	361.254
15	1994-95	297.68	359.32	118.02	477.34	359.32	118.02	477.34
16	1995-96	5	0	5	5	0	5	5
17	1996-97	20.62	5.6	18.04	23.64	5.6	18.04	23.64
18	1997-98	21.21	42.42	0	42.42	42.42	0	42.42
19	1998-99	14.82	27.24	0	27.24	27.24	0	27.24
20	1999-20	50.199	95.656	4.641	100.297	95.656	4.641	100.297
21	2000-01	36.005	28.81	21.6	50.41	28.81	21.6	50.41
22	2001-02	7.481	7.68	3.641	11.321	7.68	0	7.68
23	2002-03	4.02	8.04	0	8.04	4.44	0	4.44
24	2003-04	12.356	24.72	0	24.72	17.16	0	17.16
25	2004-05	833.39	1660.38	0	1660.38	1080.12	0	1082.12
26	2005-06	25.119	28.45	0	28.45			
27	2006-07	77.056	71.612	26.5	98.112			
28	2007-08	222.128	418.476	0	418.476			
29	2008-09	184.457	362.37	0	363.37			
30	2009-10	748.132	1492.102	2	1493.502			
31	2010-11	9.08	17.15	0	17.15	165.8024		165.8024
32	2011-12	6.91	11.84	0	11.84	1120.8		1120.8
33	2012-13	368.698	736.088	0	736.088			
34	2013-14	43.586	70.328	8.4226	78.7506	1969.452		1969.452



35	2014-15	1.00	2.00	0	2.00			
36	2015-16	7.56	15.32	0	15.32			
37	2016-17	51.162	90.42	8	98.034	518.71	8.4226	527.1326
38	2017-18	89.621	179.554	0	179.554			
39	2018-19	40.62	67.094	7	74.094	366.112	8	374.112
40	2019-20	40.48	39.95	20.5	60.45	880.778		880.778
41	2020-21	948.546	0	948.546	948.546			
		<b>5310.158</b>	<b>6862.884</b>	<b>1840.5966</b>	<b>8703.5726</b>	<b>7620.364</b>	<b>662.2096</b>	<b>8284.574</b>

**(f) Brief description and abstract of the monitoring work done by the Monitoring and Evaluation Wing of the State Forest Department.**

The routine monitoring of the activities undertaken by State CAMPA, Assam are carried out by the team consisting of the Sr. officials in the rank of Circle-In-Charge, Divisional Forest Officers and GIS Experts attached to CAMPA as per the following monitoring mechanisms:

<b>Sl. No.</b>	<b>Authority</b>	<b>% of number of works under execution in forest division to be monitored</b>
1	Range Officer	100%
2	ACF	75%
3	DFO	25%
4	Circle-In-Charge	10%
5	Wing Head	05%
6	Project Head	05%

**(g) Brief description and abstract of the monitoring work done by the independent monitor (Third Party monitoring) in the State.**

The monitoring and evaluation of CAMPA activities are conducted by a third party. Monitoring & Evaluation of CAMPA works for the years 2010-11 to 2013-14 and 2014-15 to 2016-17 has already been carried out by the Green Initiative Certification and Inspection Agency Pvt. Ltd. (GICIA India Pvt. Ltd). These reports had already been submitted to the Ad-hoc CAMPA/National CAMPA, MoEF& CC, Govt. of India alongwith the previous year Annual Plan of Operation (APO). The Monitoring & Evaluation for the years **2017-18** and **2018-19** has also been conducted by the Green Initiative Certification and Inspection Agency Pvt. Ltd. (GICIA India Pvt. Ltd) and same has been completed.

A copy of the Monitoring and Evaluation report is enclosed as **ANNEXURE – II**.



**PART-II**  
**ACTIVITIES TO BE UNDERTAKEN FOR COMPENSATORY AFFORESTATION 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**

(a) Forest division-wise details of new compensatory afforestation to be done as per the conditions imposed under forest clearance granted by the Central Government under the Forest (Conservation) Act, 1980.

(b) Location, estimated cost and implementation schedule of each activity proposed to be executed from State Fund.

The list of proposals with details mentioned at point no (a) and (b) above is given in **ANNEXURE – III**.

Cost norms of Compensatory Afforestation and current minimum wage rate in Assam are attached as **Annexure-IV**.

Implementation schedule of Activities proposed under this section is given below.

**Implementation schedule for plantation and nurseries**

	Activities	Period/Schedule
Advance Works	Survey & demarcation	October
	Jungle clearing & Slash disposal	November
	Fencing	Dec-Jan
	Lining & Stacking	February
	Making Inspection paths	February
	Site Nursery	July to February
Creation	Soil working & Pitting	March
	Planting of Seedlings	April to June
Maintenance	1 <sup>st</sup> weeding and vacancy filling	May-July
	2 <sup>nd</sup> weeding and vacancy filling	July-Aug
	3 <sup>rd</sup> weeding	Sept-Oct.
	4 <sup>th</sup> weeding	Nov-Dec
	Mulching & Fireline cutting	January



(c) Details of maintenance works in physical and financial terms proposed to be undertaken during 2021-22 in the case of compensatory afforestation work undertaken in previous years, which need maintenance for its survival and sustainability.

Sl. No.	Maintenance of Site Specific Plantation undertaken in previous year	Area (in Ha.)	Financial (in lakhs)
1	2nd year maintenance of earlier created SSP(Committed)	902.998	211.50
2	3rd year maintenance of earlier created SSP (Committed)	572.74	82.93
3	4th year maintenance of earlier created SSP (Committed)	252.42	29.47
4	5th year maintenance of earlier created SSP (Committed)	276.1326	6.69
	<b>TOTAL</b>	<b>2004.2906</b>	<b>330.59</b>



**PART-III**  
**ACTIVITIES TO BE UNDERTAKEN FROM NET PRESENT VALUE AND INTEREST COMPONENT**

(a) Forest division wise details of activities to be done in the State on specified activities referred to in rule 5 and rule 6.

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

The list of proposals with details mentioned at point no. (a) and (b) above is given in **ANNEXURE – V**.

Cost norms of Afforestation (AR) and Apurugiya Brikhya Plantation and current minimum wage rate in Assam are attached as **Annexure-VI**.

Estimates of proposed infrastructures (buildings for frontline staff attached as **Annexure-VII**.

Estimate of Maintenance of Nurseries is attached as **Annexure-VIII**.

Estimate of Bio-diversity Park (Sahitya Manshi Upabon)- **Annexure- IX**.

(c) Details of maintenance works in physical and financial terms, proposed to be undertaken during 2021-22 in the case of activities undertaken in previous years which needs maintenance for its survival and sustainability.

**ARTIFICIAL REGENERATION (AR)**

Sl. No.	Creation & Maintenance of Artificial Regeneration (AR) undertaken in previous year	Area (in Ha.)	Financial (in lakhs)
1	2 <sup>nd</sup> year maintenance of earlier created AR (Committed)	1000	273.60
2	3 <sup>rd</sup> year maintenance of earlier created AR (Committed)	588	139.25
3	4 <sup>th</sup> year maintenance of earlier created AR (Committed)	602	109.29
4	5 <sup>th</sup> year maintenance of earlier created AR (Committed)	685	96.95
	<b>TOTAL</b>	<b>2875</b>	<b>619.09</b>

**AIDED NATURAL REGENERATION (ANR)**

Sl. No.	Creation & Maintenance of Aided Natural Regeneration (ANR) undertaken in previous year	Area (in Ha.)	Financial (in lakhs)
1	2 <sup>nd</sup> year maintenance of earlier created ANR (Committed)	500	129.84
	<b>TOTAL</b>	<b>500</b>	<b>129.84</b>



### SAL COPPICE MANAGEMENT

Sl. No.	Creation & Maintenance of Sal Coppice Management undertaken in previous year	Area (in Ha.)	Financial (in lakhs)
1	2nd year maintenance of earlier created Sal Coppice (Committed)	100	10.30
2	3rd year maintenance of earlier created Sal Coppice (Committed)	117	9.15
3	4th year maintenance of earlier created Sal Coppice (Committed)	608	35.14
	<b>TOTAL</b>	<b>825</b>	<b>54.59</b>

### APURUGIABRIKSHA PLANTATION

Sl. No.	Maintenance of ApurugiyaBriksha Plantation undertaken in previous year	Area (in Ha.)	Financial (in lakhs)
1	3rd year maintenance	55 (11 unit)	6.27
2	4th year maintenance	5 (1 unit)	0.57
	<b>TOTAL</b>	<b>60</b>	<b>6.84</b>

### NURSERY

Sl. No.	Maintenance of nurseries	Nos.	Financial (in lakhs)
1	1.5 ha Nursery	27	237.68
2	3.0 ha Nursery	5	93.37
	<b>TOTAL</b>	<b>32</b>	<b>331.05</b>

### BIO-DIVERSITY PARK

Sl. No.	Maintenance of Bio-diversity Parks	Financial (in lakhs)
1	24 Nos.	40.83



## Implementation Schedule

	<b>Activities</b>	<b>Period/Schedule</b>
Advance Works of plantations	Survey & demarcation	October
	Jungle clearing & Slash disposal	November
	Fencing	Dec-Jan
	Lining & Stacking	February
	Making Inspection paths	February
	Site Nursery	July to February
Creation of plantations	Soil working & Pitting	March
	Planting of Seedlings	April to June
Maintenance of plantations	1 <sup>st</sup> weeding and vacancy filling	May-July
	2 <sup>nd</sup> weeding and vacancy filling	July-Aug
	3 <sup>rd</sup> weeding	Sept-Oct.
	4 <sup>th</sup> weeding	Nov-Dec
	Mulching & Fireline cutting	January
Nurseries	Maintenance of nurseries	Throughout the year
Infrastructure	Construction of buildings for frontline staff, bridges etc.	October to March
Soil Moisture conservation	Construction of Check dams etc.	October to March



**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 targets 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.

Sl. No	Year wise Maintenance of Activities	Physical (in ha/ Nos)	Financial (in Rs. In lakhs)	Under CAF Rules
<b>Compensatory Afforestation (CA Fund)</b>				
A	<b>Site Specific Plantation</b>			CA Plantation
	Fencing, Adv. work, and nursery	467.452	637.53	
	Creation & 1st year maintenance of earlier SSP for which Adv work done during 2020-21 (Committed)	196.096	94.73	
	2nd year maintenance of earlier created SSP(Committed)	902.998	211.50	
	3rd year maintenance of earlier created SSP (Committed)	572.74	82.93	
	4th year maintenance of earlier created SSP (Committed)	252.42	29.47	
	5th year maintenance of earlier created SSP (Committed)	276.1326	6.69	
	<b>Total of Fencing &amp; Adv. Work</b>	<b>467.452</b>	<b>637.53</b>	
	<b>Total New SSP creation(Committed)</b>	<b>196.096</b>	<b>94.73</b>	
	<b>Total of SSP Maintenance (Committed)</b>	<b>2004.2906</b>	<b>330.59</b>	
	<b>Sub Total of SSP</b>		<b>1062.85</b>	
	Safety Zone (Calcom) Dima Hasao West Division	7.0 ha.	<b>13.81</b>	
	Dwarf Species Plantation in Golaghatdivsion	2.354 ha.	<b>3.94</b>	
<b>Total Compensatory Afforestation Fund (CA Fund)</b>			<b>1080.6</b>	
<b>Work under NPV (80% of NPV Category)</b>				
B	<b>Artificial Regeneration (AR)</b>			Rule 5 (2) (b)
	Fencing, Adv. work, and nursery	1323	2282.63	
	Creation & 1st Year maintenance for which Adv work done during 2020-21 (Committed)	2146	774.58	
	2nd year maintenance of earlier created AR (Committed)	1000	273.60	



	3rd year maintenance of earlier created AR (Committed)	588	139.25	
	4th year maintenance of earlier created AR (Committed)	602	109.29	
	5th year maintenance of earlier created AR (Committed)	685	96.95	
	<b>Total of Fencing &amp; Adv. work</b>	1323	2282.63	
	<b>Total of new creation (Committed)</b>	2146	774.58	
	<b>Total of Maintenance(Committed)</b>	2875	619.09	
	<b>Sub Total of Artificial Regeneration</b>		<b>3676.30</b>	
C	<b>Aided Natural Regeneration (ANR)</b>			Rule 5 (2) (a)
	Creation and 1st year maintenance for which Adv work done during 2020-21 (Committed)	730	468.82	
	2nd year maintenance of earlier created ANR (Committed)	500	129.84	
	<b>Total of new creation (Committed)</b>	730	468.82	
	<b>Total of Maintenance (Committed)</b>	500	129.84	
	<b>Sub Total of ANR</b>		<b>598.66</b>	
D	<b>Sal Coppice Management</b>			Rule 5(2) (a) & (c)
	Creation & 1st Year maintenance for which Adv work done during 2020-21 (Committed)	235	26.16	
	2nd year maintenance of earlier created Sal Coppice (Committed)	100	10.30	
	3rd year maintenance of earlier created Sal Coppice (Committed)	117	9.15	
	4th year maintenance of earlier created Sal Coppice (Committed)	608	35.14	
	<b>Total of new creation (Committed)</b>	235	26.16	
	<b>Total of Maintenance (Committed)</b>	825	54.59	
	<b>Sub Total of Sal Coppice</b>		<b>80.75</b>	
E	<b>ApurugiaBriksha Plantation</b>			Rule 5(2) (b)
	Creation & 1st year maintenance	10 (2 unit)	74.16	
	3rd year maintenance	55 (11 unit)	6.27	
	4th year maintenance	5 (1 unit)	0.57	
	<b>Sub Total of ApurugiaBriksha Plantation</b>	<b>60 (12 unit)</b>	<b>81.00</b>	
F	Soil and water Conservation/harvesting works		1230.00	5 (2) (b)
	Catchment Area works		78.00	
	Afforestation cost		100.00	
	<b>Total of Catchment Area Treatment Plan</b>	<b>6122 ha.</b>	<b>1408.00</b>	
	<b>Soil Moisture conservation</b>	<b>5 nos.</b>	<b>20.00</b>	Rule 5(2) (g)



<b>G</b>	<b>Brahmaputra River Rejuvenation Programme</b>	<b>LS</b>	<b>100.00</b>	5 (2) (b)
<b>H</b>	<b>Survey Demarcation and Geo-referencing of Forest Boundary using DGPS/ETS in Reserve Forest</b>		<b>720.00</b>	Rule 5 (2) (d)
<b>I</b>	<b>Habitat Management</b>		<b>63.11</b>	Rule 5(2) (i)
<b>K</b>	<b>Biodiversity Conservation (Peoples Biodiversity Register)</b>	<b>26 nos.</b>	<b>24.00</b>	Rule 5(2) (m)
<b>L</b>	<b>Maintenance of Bio Diversity Park</b>	<b>24 nos.</b>	<b>40.83</b>	Rule 5(2) (b) and (m)
<b>Total of work under 80% of NPV</b>			<b>6812.65</b>	<b>80.03%</b>
<b>Work under NPV (20% of NPV Category)</b>				
<b>M</b>	<b>Nursery Creation</b>			Rule 5(3) (a) & 5 (3) (j)
	1.5 ha Nursery	1	21.97	
	<b>Nursery Maintenance</b>			
	1.5 ha Nursery	27	237.68	
	3.0 ha Nursery	5	93.37	
	<b>Sub Total of Nurseries</b>	<b>32</b>	<b>353.02</b>	
<b>N</b>	<b>Infrastructure Development</b>			Rule 5(3) (e)
	Construction of Range Office	1 nos.	21.00	
	Construction of Range Office cum Qtr.	3 nos.	140.94	
	Construction of Range Officer Qtr.	2 nos.	48.58	
	Construction of Forester Qtr.	9 nos.	139.06	
	Construction of Fgd. Qtr.	9 nos.	115.31	
	Construction of Assam Type Forester Barrack	9 nos.	198.14	
	Assam Type Forest Force Barrack (Bagser RF under Nagaon Divn.)	1 nos.	41.82	
	Anti Poaching Camp	5 nos.	72.50	
	Floating Anti Poaching Camp	2 nos.	50.00	
	Watch Tower	2 nos.	24.00	
	Construction of iron gate with boundary wall and infrastructure development of the Rhinoland Park under Nagaon Social Forestry Division	1 no.	51.50	
	Construction of Boat	2 nos.	10.00	
	Construction of Cages for rescue and transportation of wild animals (For Rhinos 3 nos @ Rs.3.42 lakhs for leopards/Tiger 10 nos @ Rs.0.84 lakhs)	13 nos.	18.68	
	Procurement of satellite phones	LS	20.00	
Pre-fabricated camps in border area and connectivity infrastructure in wildlife area.	LS	100.00		
Construction of Cable stayed steel bridge over Pachnoi River in Orang National Park (committed)	1 nos.	145.00		
	<b>Sub Total of Infrastructure</b>		<b>1196.53</b>	



O	Staff amenities for frontline field personnel including in 24 nos. of Biodiversity Parks	LS	69.62	Rule 5(3) (e)
	Radio Collaring of Wild elephants	2 nos.	5.16	Rule 5(3) (c)
P	Publicity & awareness and celebration of Van Mahotsav etc.	LS	50.00	Rule 5(3) (i)
Q	Monitoring and Evaluation cost	LS	25.00	Rule 5(3) (h)
<b>Total of work under 20% of NPV</b>			<b>1699.33</b>	<b>19.97%</b>
<b>Interest Accrued</b>				
R	Sitting Fee and Allowances of nominated members of State CAMPA		0.70	Rule 6(a)(v)
	Procurment of Smart Phones	100 nos.	15.00	Rule 5(3) (c)
	Staff Salary of CEO office	LS	50.00	Rule 6( a) (iv)
	<i>Sub-Total</i>		<b>65.70</b>	<b>68.65%</b>
	Other administrative expenditure	LS	25.00	Rule 6(b) (i) & (ii)
	Procurment of Dekstop computer & Laptop	LS	5.00	Rule 5(3) (c)
	<i>Sub-Total</i>		<b>30.00</b>	<b>31.35%</b>
<b>Total Interest</b>			<b>95.70</b>	
<b>Others</b>				
S	Capacity development of frontline staffs, JFMC members, organization of workshop & specialised trainings, exposure visits etc.		46.58	
	Development of Software and Mobile App for Monitoring of works and online report generation (committed)	LS	7.41	
	Wood Balance study of Assam by RFRI		13.35	
	Audit fees for the year 2020-21		12.00	
	<i>Sub-Total</i>		<b>79.34</b>	
<b>Grand Total</b>			<b>9767.62</b>	



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

Physical Activity	Details	Measurable output	Period required for achieving the measurable output
Compensatory Afforestation & Afforestation	Advance work	Fencing of area selected, and preparation of land and site nursery	One year
	Creation of plantation	Establishment of plantation	5 years
	2 <sup>nd</sup> year maintenance	Establishment of plantation	4 years
	3 <sup>rd</sup> year maintenance	Establishment of plantation	3 years
	4 <sup>th</sup> year maintenance	Establishment of plantation	2 years
	5 <sup>th</sup> year maintenance	Establishment of plantation	1 years
ANR	Advance work	Fencing of area selected, and preparation of land and site nursery	One year
	Plantation of seedlings and maintenance	Increase in density of forests	3 years
	2 <sup>nd</sup> year maintenance	Increase in density of forests	2 years
	3 <sup>rd</sup> year maintenance	Increase in density of forests	1 years
Habitat Management	Maintenance of grasslands in PA	Removal of wood lands and improvement of grasslands	1 year
Nursery	Maintenance of nursery	Nos of seedling production	1 year
Infrastructure	Construction of buildings/bridges/Animal Rescue Centers	Numbers of infrastructure constructed	1 year
Soil Moisture Conservation	Construction of Check dams	Improvement in moisture content and increase in green cover	3 years
Procurement of Goods	Purchase through tender	Number of good procured	1years
Publicity and Awareness	Publication of Publicity materials/Development of Documentary films/Awareness programmes	Number of such activities completed	1 year



**(c) Details of the concurrent monitoring and evaluation report including third party monitoring undertaken in past with photographs.**

The monitoring and evaluation of CAMPA activities for the years 2010-11 to 2013-14 and 2014-15 to 2016-17 has been carried out by the Green Initiative Certification and Inspection Agency Pvt. Ltd. (GICIA India Pvt. Ltd). These reports had already been submitted to the Ad-hoc CAMPA/National CAMPA, MoEF& CC, Govt. of India along with the previous year Annual Plan of Operation (APO). The Monitoring & Evaluation for the years **2017-18** and **2018-19** has also been conducted by the Green Initiative Certification and Inspection Agency Pvt. Ltd. (GICIA India Pvt. Ltd) and same has been completed.

The overall performance score of the CAMPA activity in the State is computed to be **8.09** by the Monitoring Agency. This reflects the overall performance of the State under CAMPA as SATISFACTORY, which meets basic requirements and adherence to the objective, potential for improvement to achieve excellence and higher concentration on individual parameters and regular monitoring, reporting and verification could elevate score to highly satisfactory level.

A copy of the monitoring and evaluation report for the years 2017-18 to 2018-19 is enclosed as **ANNEXURE – II** which includes monitoring report in detail with photographs of works done.

**Declaration**

The above Annual Plan of Operation has been adopted by the Assam State Authority.



**(Suman Mohapatra, IFS)**  
Member Secretary &  
Chief Executive Officer  
Assam CAMPA



**Statement showing the Financial & Physical Progress report under SOPD, CSS & EAP schemes during 2016-17**

(Rs in lakhs)

<i>Sl. No.</i>	<i>Name of the Scheme</i>	<i>Total Allocation</i>	<i>Sanction Amount</i>	<i>FOC Amount</i>	<i>Physical Target</i>	<i>Achievment</i>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>A</b>	<b>SOPD</b>					
1	Dir. Forest Building	39.28	35.37654	35.37654	payment of outstanding bills	payment of outstanding bills
2	Forest Protection Force	194.95	140.00000	0.00000	<b>1st AFPP-</b> Construction of Assam type Barrack- 1nos, Repairing of magazine room- 1nos, repairing office room -1 nos, repairing hospital- 1 nos, repairing of barrack-3nos <b>2nd AFPP-</b> Construction of quarter with attached kitchen, construction of two seater latrin, construction of double leaf heavy iron gate etc. <b>3rd AFPP-</b> Construction of three storyed barrack	<b>Nil</b>
3	Bio-Diversity Board	50.00	50.00000	50.00000	Salary and office expense etc.	Salary and office expense etc.
4	Assam Forest School (Training of Staff)	25.68	25.68000	25.68000	Training of front line staff, purchase of uniform, furniture, organization of tour, sports, exams, convocation etc	Training of front linestaff, purchase of uniform, furniture, organization of tour, sports, exams convocation etc
5	Schedule Caste Component Plan	400.00	399.99201	399.99201	Maintenance of nursery- 7 Ha, Creation and maintenance of nursery-43.5 Ha, 5 Ha block plantation- 4 nos, single planting- 818 nos	Maintenance of nursery- 7 Ha, Creation and maintenance of nursery-43.5 Ha, 5 Ha block plantation- 4 nos, single planting- 818 nos
6	Tribal Sub Plan	140.00	139.99704	139.99704	Creation and maintenance of nursery- 15 Ha, 5 ha block plantation- 2 nos, single planting- 796 nos	Creation and maintenance of nursery- 15 Ha, 5 ha block plantation- 2 nos, single planting- 796 nos
7	ASTECC	27.00	0.00000	0.00000	<b>Nil</b>	<b>Nil</b>
8	13 <sup>th</sup> Finance Commission	3718.00	3370.17588	0.00000	<b>Nil</b>	<b>Nil</b>
	<b>Total of SOPD</b>	<b>4594.91</b>	<b>4161.22</b>	<b>651.05</b>		
	<b>CS Scheme- State Share</b>					
9	EAP-Capacity Building for Forest Management & Training of Personal (JICA)	86.89	24.43000	24.43000	Payment of taxes, consultant fee, etc	Payment of taxes, consultant fee, etc



<b>Sl. No.</b>	<b>Name of the Scheme</b>	<b>Total Allocation</b>	<b>Sanction Amount</b>	<b>FOC Amount</b>	<b>Physical Target</b>	<b>Achievment</b>
10	EAP-Assam Project on Forest & Biodiversity Conservation (APFBC) (90:10)	22000.00	22000.00000	10000.00000	Maintain of 20599 Ha plantation, Creation of plantation-1050 Ha, Raising of 30 nurseries of indigenous fruit bearing species, Construction of 13 highlands in Kaziranga National Park, Renovation of 10 Social Forestry Parks, Training and exposure visits for the forest frontline staff, Completion of Micro-planning in 76 out of 95 JFMCs and 44 out of 45 EDCs, Entry Point Activities in 30 JFMCs and 28 EDCs, Entrepreneurship Orientation Programs conducted for 60 JFMCs and 20 EDCs, sale-outlet for Vanashrishti products at Assam State Zoo, Vehicles purchased- tipper- 2 nos, bus -2 nos, excavator-2 nos, Innova- 2 nos, bike- 10 nos, WagonR-6 nos, polaris - 6 nos, boat- 7 nos	Maintain of 20599 Ha plantation, Creation of plantation-1050 Ha, Raising of 30 nurseries of indigenous fruit bearing species, Construction of 13 highlands in Kaziranga National Park, Renovation of 10 Social Forestry Parks, Training and exposure visits for the forest frontline staff, Completion of Micro-planning in 76 out of 95 JFMCs and 44 out of 45 EDCs, Entry Point Activities in 30 JFMCs and 28 EDCs, Entrepreneurship Orientation Programs conducted for 60 JFMCs and 20 EDCs, sale-outlet for Vanashrishti products at Assam State Zoo, Vehicles purchased- tipper- 2 nos, bus -2 nos, excavator-2 nos, Innova- 2 nos, bike- 10 nos, WagonR-6 nos, polaris - 6 nos, boat- 7 nos
11	National Afforestation Programme (90:10)	1290.84	903.84000	0.00000	Advance work for plantation- 1777 Ha, Maint. work- 1004 Ha	<b>Nil</b>
12	Integrated Development of Wildlife Habitat (90:10)	445.76	145.42000	145.42000	Construction of earthen bundh for retaining water in dry season, construction of tongi, anti-poaching camp, staff quarter, wooden bridge , culvert, check dam, watch tower, patrolling path, Maintenance of Mechanized boat, home guards civil construction, patrolling and trekking path, vehicle etc. eco-development and community oriented activities, publicity & public awareness, Purchase of POL, hiring of vehicle, paymewnt of wages to incremental labour etc.	Construction of earthen bundh for retaining water in dry season, construction of tongi, anti-poaching camp, staff quarter, wooden bridge , culvert, check dam, watch tower, patrolling path, Maintenance of Mechanized boat, home guards civil construction, patrolling and trekking path, vehicle etc. eco-development and community oriented activities, publicity & public awareness, Purchase of POL, hiring of vehicle, paymewnt of wages to incremental labour etc.
13	<b>Project Tiger (90:10)</b>	<b>4559.17</b>				
	i) Manas Tiger Reserve		787.95540	760.05100	Procurement of arms & ammunition, Project Allowance- 302 nos, Ration allowance-272 nos, lakhs, Logistic support for front line staff, Construction of AP camp-5 nos, Watch tower, culvert- 4 nos, Purchase of digital camera, night vision, GPS & camera- Rs.5.65 lakhs, Wages of home guards-60 nos, purchase of arms - 28 nos 0.315 rifle, Improvement of water hole-5nos, Upkeepment of departmental. elephant - 41 nos, Repairing of AP camp-15 nos, Road- 90 km,Maint. of building- 5 nos, solar equipement, vehicles, Wages of CL- 115 nos. Human health camp etc.	Procurement of arms & ammunition, Project Allowance- 302 nos, Ration allowance-272 nos, lakhs, Logistic support for front line staff, Construction of AP camp-5 nos, Watch tower, culvert- 4 nos, Purchase of digital camera, night vision, GPS & camera- Rs.5.65 lakhs, Wages of home guards-60 nos, purchase of arms - 28 nos 0.315 rifle, Improvement of water hole-5nos, Upkeepment of departmental. elephant - 41 nos, Repairing of AP camp-15 nos, Road- 90 km,Maint. of building- 5 nos, solar equipement, vehicles, Wages of CL- 115 nos. Human health camp etc.
	ii) Kaziranga Tiger Reserve		1203.81695	1203.81695	Procurement of arms & ammunition,Wages of Home Guard-120 nos, Installation of electronic-eye-Rs.79.18 lakhs, Ration allowance, Project allowance, procurement of machanised boat- 1 no, wireless, warm jacket, steel almirah, water filter, uniform , hunting shoes=Rs.68.80 lakhs, Construction of Fgd. Quarter, AP camps-6 nos, barrack- 1 no, staff quarter-2 nos, road cum highland- 8 km, watch tower- 1 no, toilet & bathroom- 2 nos, Maint. of road, vehicle, machanized boats, floating camp, patrolling camp,office building,elephant. etc.	Procurement of arms & ammunition,Wages of Home Guard-120 nos, Installation of electronic-eye-Rs.79.18 lakhs, Ration allowance, Project allowance, procurement of machanised boat- 1 no, wireless, warm jacket, steel almirah, water filter, uniform , hunting shoes=Rs.68.80 lakhs, Construction of Fgd. Quarter, AP camps-6 nos, barrack- 1 no, staff quarter-2 nos, road cum highland- 8 km, watch tower- 1 no, toilet & bathroom- 2 nos, Maint. of road, vehicle, machanized boats, floating camp, patrolling camp,office building,elephant. etc.



<b>Sl. No.</b>	<b>Name of the Scheme</b>	<b>Total Allocation</b>	<b>Sanction Amount</b>	<b>FOC Amount</b>	<b>Physical Target</b>	<b>Achievment</b>
	iii) Nameri Tiger Reserve		186.11800	186.11800	Procurement of arms & ammunition, Establishment of patrolling camp-, Const. garage shed-1 no, Const. of Range Office-1no,FD office- 1 no, watch tower-1 no, bridge-2 nos, culvert-, Construction of toilet-Rs.2.16 lakhs, Creation of bridge- 2 nos,watch tower-1 no,fire line- 60 km,, Project allowance to staff, lakhs, Providing Ration to staff , Maintenance of camp, arms, vehicles, elephant- 13 nos,road, staff quarter , road network etc.	Procurement of arms & ammunition, Establishment of patrolling camp-, Const. garage shed-1 no, Const. of Range Office-1no,FD office- 1 no, watch tower-1 no, bridge-2 nos, culvert-, Construction of toilet-Rs.2.16 lakhs, Creation of bridge- 2 nos,watch tower-1 no,fire line- 60 km,, Project allowance to staff, lakhs, Providing Ration to staff , Maintenance of camp, arms, vehicles, elephant- 13 nos,road, staff quarter , road network etc.
	iv) Orang Tiger Reserve		299.64800	299.64800	Procurement of field gaar, mechanized boat-12 nos,Const. garage shed-1 no, Const. of Range Office-1no,FD office- 1 no, watch tower-1 no, bridge-2 nos, garage- 3nos, toilet-5 nos, Creation of bridge- 2 nos,watch tower-1 no,fire line- 60 km,, Project allowance to staff, Providing Ration to staff , Maintenance of camp, arms, vehicles, elephant ,road, staff quarter etc.	Procurement of field gaar, mechanized boat-12 nos,Const. garage shed-1 no, Const. of Range Office-1no,FD office- 1 no, watch tower-1 no, bridge-2 nos, garage- 3nos, toilet-5 nos, Creation of bridge- 2 nos,watch tower-1 no,fire line- 60 km,, Project allowance to staff, Providing Ration to staff , Maintenance of camp, arms, vehicles, elephant ,road, staff quarter etc.
14	Project Elephant (90:10)	731.74	510.24680	234.58000	Payment of Ex-gratia-Rs.78.11 lakhs, Formation of Anti-depredation squads and providing logistics to them , Procurement of Ammunition , Running cost of vehicles and logistics for protection and anti-depredation measures, Hiring of kunkie , Construction of AP camp 3 nos etc.	Payment of Ex-gratia-Rs.78.11 lakhs, Formation of Anti-depredation squads and providing logistics to them , Procurement of Ammunition , Running cost of vehicles and logistics for protection and anti-depredation measures, Hiring of kunkie , Construction of AP camp 3 nos etc.
15	Intensification of Forests Management (90:10)	360.44	360.44000	360.44000	Fire line creation- 296.38 km, fire fighting cell-3nos, improvement of forest road-4.535 km, construction of barrack-4 nos, construction of main pillar-708 nos, sub pillar-1221 nos, boundary demarcation-804.62 km	Fire line creation- 296.38 km, fire fighting cell-3nos, improvement of forest road-4.535 km, construction of barrack-4 nos, construction of main pillar-708 nos, sub pillar-1221 nos, boundary demarcation-804.62 km
16	National River Conservation Programme (90:10)	55.00	0.00000	0.00000	<b>Nil</b>	<b>Nil</b>
	<b>CS Scheme</b>					
17	SPA for Dev. of State Zoo	404.66	404.66000	404.66000	Improvement of children park, boundary wall, construction of footpath, new reptile house, waiting shed with cafeteria, procurement of solar power car / train for visitor, landscaping and beatification of State Zoo	Improvement of children park, boundary wall, construction of footpath, new reptile house, waiting shed with cafeteria, procurement of solar power car / train for visitor, landscaping and beatification of State Zoo
18	National Bamboo Mission	259.00	3.46000	3.46000	Payment of wages to contractual staffs	Payment of wages to contractual staff
19	Management Action Plan Biosphare Reserve Manas	956.01	88.70080	88.70080	<b>1. Manas Biosphere:</b> Boundary Survey-89 nos Const/Rep. of Road - 50 km, culvert-1 no,Repairing road- 30km,, Eco-development activities, Skill dev. training, Purchase of solar lights with battery-7 nos, Construction of watch tower-3 nos,elephant riding point, Purchase of solar light with battery etc.	<b>1. Manas Biosphere:</b> Boundary Survey-89 nos Const/Rep. of Road - 50 km, culvert-1 no,Repairing road- 30km,, Eco-development activities, Skill dev. training, Purchase of solar lights with battery-7 nos, Construction of watch tower-3 nos,elephant riding point, Purchase of solar light with battery etc.



<i>Sl. No.</i>	<i>Name of the Scheme</i>	<i>Total Allocation</i>	<i>Sanction Amount</i>	<i>FOC Amount</i>	<i>Physical Target</i>	<i>Achievment</i>
20	Management Action Plan Biosphare Reserve Dibru-Saikhowa	0.00	43.99900	43.99900	<b>2. Dibru-Saikhowa Biosphere:</b> Construction of AP Camp-2 nos. eco-hut-2 nos, apporoach road- 5 km, patrolling path- 6 km, Procurement of mechanized boat-1 No. wireless accessories- 10 nos etc.	<b>2. Dibru-Saikhowa Biosphere:</b> Construction of AP Camp-2 nos. eco-hut-2 nos, apporoach road- 5 km, patrolling path- 6 km, Procurement of mechanized boat-1 No. wireless accessories- 10 nos etc.
	<b>NEC Scheme</b>					
21	Eco-Tourism cum Botanical Garden & Orchid Culture at Jakai	0.00	71.43000	71.43000	Supply of power, procurement of 5 KW generator, computer, LCD projector, etc. Construction of iron gate, Creation of 1 ha nursery, supply and fitting of chain link fencing, publicity work, procurement of gardening tools, fertilizer, etc, installation of tubewell-1 nos	Supply of power, procurement of 5 KW generator, computer, LCD projector, etc. Construction of iron gate, Creation of 1 ha nursery, supply and fitting of chain link fencing, publicity work, procurement of gardening tools, fertilizer, etc, installation of tubewell-1 nos
		31149.51	27034.16	13826.75		
	<b>Total</b>	<b>35744.42</b>	<b>31195.39</b>	<b>14477.79934</b>		



**Statement showing the Financial & Physical Progress report under SOPD, CSS & EAP schemes during 2017-18**

*Rs. In lakhs*

<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Sanction Amount</i>	<i>FOC Amount Released</i>	<i>Physical Target during 2017-18</i>	<i>Physical Achievement during 2017-18</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>
<b>A</b>	<b>SOPD Schemes</b>					
1	Social Forestry (Genl)	200.00000	200.00000	200.00000	<i>1st year creation &amp; maintenance of nursery-3 Ha, Procurement of Agar/Chandan seedling-507020 nos, single planting -46 nos, Adv work block plantation- 40 Ha</i>	<i>1st year creation &amp; maintenance of nursery-3 Ha, Procurement of Agar/Chandan seedling-507020 nos, single planting -46 nos, Adv work block plantation- 40 Ha</i>
2	Bio-Diversity Board	50.00000	50.00000	34.43000	<i>Salary and office expense, board meeting, etc</i>	<i>Salary and office expense</i>
3	Tribal Sub Plan	150.00000	150.00000	150.00000	<i>Adv work Block Plantation-20 H, Procurement of Agar seedlings-224948 nos, 1st year creation of single planting-444 nos, Maintenance of nuresries-15 Ha, Maintenance of Single Planting -852 nos, Maintenance of Block Plantation-5 Ha</i>	<i>Adv work Block Plantation-20 H, Procurement of Agar seedlings-224948 nos, 1st year creation of single planting-444 nos, Maintenance of nuresries-15 Ha, Maintenance of Single Planting -852 nos, Maintenance of Block Plantation-5 Ha</i>
4	Schedule Caste Component Plan	200.00000	200.00000	200.00000	<i>Procurement of Agar/Chandan seedling-28000 nos, maintenance of Park-4 nos, Maintenance of nuresry-43.5 ha, maintenance of single planting -681 nos, 1st year creation &amp; maintenance of block plantation- 20 Ha</i>	<i>Procurement of Agar/Chandan seedling-28000 nos, maintenance of Park-4 nos, Maintenance of nuresry-43.5 ha, maintenance of single planting -681 nos, 1st year creation &amp; maintenance of block plantation- 20 Ha</i>
5	Procurement Arms & Ammunition for Forest Protection	1000.00000	1000.00000	1000.00000	<i>Purchased of INSAS rifle 250nos, Assault rifle-320 nos, Pump action gun-130 nos, Pistol - 25 nos and ammunitions- 4,55,440 rounds</i>	<i>Purchased of INSAS rifle 250nos, Assault rifle-320 nos, Pump action gun-130 nos, Pistol - 25 nos and ammunitions- 4,55,440 rounds</i>
6	Rehabilitation of Degraded Forest	135.00000	135.00000	135.00000	<i>Adv. Work, creation and 1st year maintenance of R.D.F. Plantation-374.85 ha</i>	<i>Adv. Work, creation and 1st year maintenance of R.D.F. Plantation-374.85 ha</i>
7	Forest Publicity	70.00000	70.00000	0.00000	<i>Publicity related works, awareness campaign, Van Mahotsav Programme, Wildlife week, etc</i>	<b>Nil</b>
8	Amenities to staff & labours	100.00000	100.00000	100.00000	<i>Construction of sanitary latrine-16 nos, drinking water facility-9 nos, repairing office &amp; staff quarter-21 nos, installation of deep tubewell-2 nos, renovation &amp; electrification of officer's/staff quarter-5 nos, purchase of furniture, xerox machine-7 nos, inverter-4 nos, computer set-24 nos, AC-4 nos etc.</i>	<i>Construction of sanitary latrine-16 nos, drinking water facility-9 nos, repairing office &amp; staff quarter-21 nos, installation of deep tubewell-2 nos, renovation &amp; electrification of officer's/staff quarter-5 nos, purchase of furniture, xerox machine-7 nos, inverter-4 nos, computer set-24 nos, AC-4 nos etc.</i>
9	Rehabilitation of Laika & Dadhia Village under Dibru-Saikhowa NP (WL)	1000.00000	0.00000	0.00000	<i>Development activity against the scheme</i>	<i>NIL</i>



10	National Park Wildlife Sanctuary	200.00000	200.00000	200.00000	Maintenance of anti poaching camp, tubewell and ring well, fixing of boundary pillar, new country boat, signboard, patrolling & prevention of WL crime, payment of wages of Home Guard, maint of road, culvert, solar power fans, vehicle, boat, watch tower, etc	Maintained of anti poaching camp, tubewell and ring well, fixing of boundary pillar, new country boat, signboard, patrolling & prevention of WL crime, payment of wages of Home Guard, maint of road, culvert, solar power fans, vehicle, boat, watch tower, etc
11	Forest Protection Force	105.72000	71.86804	40.29813	<b>1st AFPF-</b> Construction of Assam type Barrack- 1nos, Repairing of magazine room- 1nos, repairing office room -1 nos, repairing hospital- 1 nos, repairing of barrack-3nos <b>2nd AFPF-</b> Construction of quarter with attached kitchen, construction of two seater latrine, construction of double leaf heavy iron gate etc. <b>3rd AFPF-</b> Payment of outstanding bill for c onstruction of three storied barrack at Singia	<b>3rd AFPF-</b> Payment of outstanding bill for construction of three storied barrack at Singi, Nagaon District
12	Assam Forest School (Training of Staff)	100.00000	100.00000	100.00000	Training of front line staff, purchase of uniform, furniture, organization of tour, sports, exams, convocation etc	Training of front line staff, purchase of uniform, furniture, organization of tour, sports, exams, convocation etc
13	Building	100.00000	100.00000	0.00000	Construction of Forester quarter- 5nos, Forest Guard quarter- 2nos, Assam type building- 1nos, Parking shed - 1 nos	<b>Nil</b>
14	Dir. Forest Building	39.28000	19.40598	19.40598	payment of outstanding bills	payment of outstanding bills
15	Inter-pretation centre cum Measum at Manas & Dehing -Patkai ( <b>Signature Project</b> )	1000.00000	0.00000	0.00000	Construction of Inter-pretation centre cum Measum at Manas & Dehing -Patkai	<b>Nil</b>
16	Communication for General Area Road & Bridge	200.00000	200.00000	200.00000	Improvement of forest road-92.25 Km, construction of culvert- 8 nos	Improvement of forest road-92.25 Km, construction of culvert- 8 nos
17	Improvement of Forest Cover through restoration & Afforestation in degraded Forest	500.00000	500.00000	500.00000	Block Plantation - 260.99 Ha	Block Plantation - 260.99 Ha
18	Greening of Greater Guwahati City	100.00000	0.00000	0.00000	Single Planting-12841 nos, bamboo fencing-1055 nos, flower pot-300 nos, tube raise plant-100 nos	<b>Nil</b>
19	Raising People"s Nurseries/Plantation of Medicinal of Aromatic Plant.	200.00000	200.00000	200.00000	400 nos of nurseries @ of Rs.50,000 per nuresry	400 nos of nurseries @ of Rs.50,000 per nuresry
20	Modernization of Assam State Zoo	200.00000	131.61874	131.61874	Renovation of internal roads of Assam State Zoo	Renovation of internal roads of Assam State Zoo
21	Construction of 40 Nos New highlands in Kaziranga National Park	500.00000	500.00000	500.00000	Construction of 40 Nos New highlands in Kaziranga National Park	Construction of 40 Nos New highlands in Kaziranga National Park
	<b>Total of SOPD</b>	<b>6150.00000</b>	<b>3927.89276</b>	<b>3710.75285</b>		
B	<b>Externally Aided Project</b>					



22	EAP-Capacity Building for Forest Management & Training of Personal (JICA)	195.00000	0.00000	0.00000		<i>Nil</i>
23	EAP-Assam Project on Forest & Biodiversity Conservation (APFBC) (90:10)	21811.19000	5200.00000	5200.00000	<b>Maintenance of plantation</b> Sal Coppice Regeneration-770 Ha, Spl Block Plantation- 700 Ha, General Plantation (MHW, NTFP, ANR)-5120 Ha Fire Wood- 8473 Ha, New office building-2 nos, New staff quarter-1 no, Building repairing-104 nos, New AP camp-1 no, Watch Tower-1 no, Repairing of Heritage Buildings-1 no, Repairing of existing road-83 RM, Construction new road-635 RM, Purchases of speed boat-15 nos	<b>Maintenance of plantation</b> Sal Coppice Regeneration-770 Ha, Spl Block Plantation- 700 Ha, General Plantation (MHW, NTFP, ANR)-5120 Ha Fire Wood- 8473 Ha, New office building-2 nos, New staff quarter-1 no, Building repairing-104 nos, New AP camp-1 no, Watch Tower-1 no, Repairing of Heritage Buildings-1 no, Repairing of existing road-83 RM, Construction new road-635 RM, Purchases of speed boat-15 nos
	<b>Total of EAP</b>	<b>22006.19000</b>	<b>5200.00000</b>	<b>5200.00000</b>		
C	<b>C.S. Schemes</b>					
24	National Afforestation Programme (90:10)	552.78000	0.00000	0.00000	Advance work for plantation- 1777 Ha, Maint work- 1004 Ha	<i>Nil</i>
25	Integrated Development of Wildlife Habitat (90:10)	409.42000	317.00700	317.00700	Construction of earthen bundh for retaining water in dry season, construction of tongi, anti-poaching camp, staff quarter, wooden bridge , culvert, check dam, watch tower, patrolling path, Maintenance of mechanized boat, home guards civil construction, patrolling and trekking path, vehicle etc. eco-development and community oriented activities, publicity & public awareness, Purchase of POL, hiring of vehicle, payment of wages to incremental labour etc. and payment for celebration of World Wetland Day	Construction of earthen bundh for retaining water in dry season, construction of tongi, anti-poaching camp, staff quarter, wooden bridge , culvert, check dam, watch tower, patrolling path, Maintenance of mechanized boat, home guards civil construction, patrolling and trekking path, vehicle etc. eco-development and community oriented activities, publicity & public awareness, Purchase of POL, hiring of vehicle, payment of wages to incremental labour etc.
26	Intensification of Forests Management (90:10) (Forest Fire Prevention & Management)	330.00000	0.00000	0.00000	Procurement of fire fighting equipment's, control burning, fireline creation & maintenance, construction of water storage tank- 9 nos, control room- 9 nos, awareness campaign etc.	<i>Nil</i>
27	<b>Project Tiger (90:10)</b>	3525.29000				



Manas		484.27000	484.27000	Procurement of arms & ammunition, vehicle, field gear, night vision, Establishment of patrolling camp,staff quarter, construction of field staff quarter - 3 nos., patrolling camp, Construction of DFO quarter- 1 no, construction of ACF- 1 no., Ranger quarter- 1 no, garage- 2nos, toilet- 15 nos, culvert- 4 nos, Creation of earthen ponds- 5 nos, crop protection structure- 5 nos,Project allowance, ration allowance,, Installation of hand pump-15 nos, , Maintenance of office,kitchen, tiolets,wireless network, vehicles, elephant and their accessories, office equipments, chain link fencing, fire line and fire breaks .Grassland and wetland improvement etc.	Procurement of arms & ammunition, vehicle, field gear, night vision, Establishment of patrolling camp,staff quarter, construction of field staff quarter - 3 nos., patrolling camp, Construction of DFO quarter- 1 no, construction of ACF- 1 no., Ranger quarter- 1 no, garage- 2nos, toilet- 15 nos, culvert- 4 nos, Creation of earthen ponds- 5 nos, crop protection structure- 5 nos,Project allowance, ration allowance,, Installation of hand pump-15 nos, , Maintenance of office,kitchen, tiolets,wireless network, vehicles, elephant and their accessories, office equipments, chain link fencing, fire line and fire breaks .Grassland and wetland improvement etc.
Kaziranga		1238.897	1238.897	Procurement of arms & ammunition, field gear, night vision, Construction of staff quarter-1 No., culvert-2 Nos, gate-2 Nos., Construction of damaged camp-5 Nos, Installation of tube well-80 Nos, weed eradaction-92 hact, creation of road network-6 km, reation of wireless tower-2 Nos, Creation of bridge-113 mtr., procurement of Trap Camera-330 Nos, Ranger finder-55 Nos, look through compass-75 Nos, GPS Etrex-65 Nos., Ration allowance to 993 (staff), payment of wages to Casual workers-20 Nos, Construction of Wooden bridge-13, rep. of highland-10, deployment of camp labour-191 Nos., purchase of POL, census of wildlife, maint. of electronic-eye etc.	Procurement of arms & ammunition, field gear, night vision, Construction of staff quarter-1 No., culvert-2 Nos, gate-2 Nos., Construction of damaged camp-5 Nos, Installation of tube well-80 Nos, weed eradaction-92 hact, creation of road network-6 km, reation of wireless tower-2 Nos, Creation of bridge-113 mtr., procurement of Trap Camera-330 Nos, Ranger finder-55 Nos, look through compass-75 Nos, GPS Etrex-65 Nos., Ration allowance to 993 (staff), payment of wages to Casual workers-20 Nos, Construction of Wooden bridge-13, rep. of highland-10, deployment of camp labour-191 Nos., purchase of POL, census of wildlife, maint. of electronic-eye etc.
Nameri		162.13700	162.13700	Procurement of arms & ammunition, vehicle, field gear, night vision, binoculars,generator-2nos,Installation of running water system 2 nos,Establishment of patrolling camp/staff quarter 1 no., construction of field staff quarter, patrolling camp-1 no, culvert-6 nos, Ranger quarter-1 no., ring well-3 nos., Creation of road network-20 nos, Provision for ration allowance- 14.81 lakhs, Wages of CL/ Hgd- 75 nos.Maintenance of patrolling camp-15 nos, vehicles, arms & ammunition,quarters, elephant and their accessories, office equipments etc.	Procurement of arms & ammunition, vehicle, field gear, night vision, binoculars,generator-2nos,Installation of running water system 2 nos,Establishment of patrolling camp/staff quarter 1 no., construction of field staff quarter, patrolling camp-1 no, culvert-6 nos, Ranger quarter-1 no., ring well-3 nos., Creation of road network-20 nos, Provision for ration allowance- 14.81 lakhs, Wages of CL/ Hgd- 75 nos.Maintenance of patrolling camp-15 nos, vehicles, arms & ammunition,quarters, elephant and their accessories, office equipments etc.



	Orang		290.63000	290.63000	Procurement of vehicles, field gaar, Construction of forester quarter-1 no, , Range Office- 1 no, toilet- 3 nos, gate- 1no. , patrolling camp - 1no, Tank- 5 nosProject allowancet to staff,Provision for ration, creation of road network & wireless tower, procurement of vehicle, creation of kuccha road- 20 nos, Maintenance of existing camp- 40 nos, arms & ammunition, elephant squads, road network, wireless tower, vehicle, maint. of Forest quarter toilet, tranquilizing equipment,Eco-development- human health & cattle immunization camp etc.	Procurement of vehicles, field gaar, Construction of forester quarter-1 no, , Range Office- 1 no, toilet- 3 nos, gate- 1no. , patrolling camp - 1no, Tank- 5 nosProject allowancet to staff,Provision for ration, creation of road network & wireless tower, procurement of vehicle, creation of kuccha road- 20 nos, Maintenance of existing camp- 40 nos, arms & ammunition, elephant squads, road network, wireless tower, vehicle, maint. of Forest quarter toilet, tranquilizing equipment,Eco-development- human health & cattle immunization camp etc.
28	Project Elephant (90:10)	841.99800	200.00000 105.29080	305.290800	Payment of ex-gratia Rs. 100.00 lakhs, Formation of anti-depredation squad, Running charge of vehicle, Population estimation of Wild Elephant , Veterinary support, reward to informer, publicity & awareness , purchase of drugs for tranquilizing gun.	Payment of ex-gratia Rs. 100.00 lakhs, Formation of anti-depredation squad, Running charge of vehicle, Population estimation of Wild Elephant , Veterinary support, reward to informer, publicity & awareness , purchase of drugs for tranquilizing gun.
29	Management Action Plan Biosphere Reserve Manas & Dibru-Saikhowa	150.00000	36.55800 34.78000	71.338000	<b>1. Manas Biosphere:</b> Construction of AP camp- 1no, , Repairing iof road- 10km, Habitat Management, Eco-Development,Research, Monitoring & Training etc <b>2. Dibru-Saikhowa Biosphere:</b> Construction of floating AP camp- 1no, Protection, Eco Development,Infrastructure and Communication etc.	<b>1. Manas Biosphere:</b> Construction of AP camp- 1no, , Repairing iof road- 10km, Habitat Management, Eco-Development,Research, Monitoring & Training etc <b>2. Dibru-Saikhowa Biosphere:</b> Construction of floating AP camp- 1no, Protection, Eco Development,Infrastructure and Communication etc.
<b>Total of CSS</b>		<b>5809.48800</b>	<b>2869.56980</b>	<b>2869.56980</b>		
<b>Total (A+B+C)</b>		<b>33965.67800</b>	<b>11997.46256</b>	<b>11780.32265</b>		



**Statement showing the Financial & Physical Progress report under SOPD, CSS & EAP schemes during 2018-19**

*Rs. In lakhs*

<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
<b>A</b>	<b>SOPD Schemes</b>						
1	Social Forestry (Genl)	300.00	300.00	0.00	1st year creation- 40 ha, nursery 2nd yr maintenance- 3 ha, park maintenance – 1 no. 2nd yr maintenance of single planting 46, Advance work block plantation – 35 ha, nursery 1st yr creation & maintenance, single planting creation- 4890 nos.	<b>Nil</b>	
2	Bio-Diversity Board	64.00	64.00	64.00	Board function expenses, Salary to Officers & Staff, Office Expenses, Project & Technical Work, Publication & Promotion Purchase of Printer (2 nos), audit Fee (Statutory)	Board function expenses, Salary to Officers & Staff, Office Expenses, Project & Technical Work, Publication & Promotion Purchase of Printer (2 nos), audit Fee (Statutory)	
3	Tribal Sub Plan	120.00	0.00	0.00	<b>Pt-A-</b> 2nd year maint. of block plantation-5 ha., 1st year creation & maint. of block plantation-20 ha., 3rd year maint. of nursery 13.5 ha., Maint. of park 2 nos., 3rd year maint. of single planting 201 nos., 2 year maint. of single planting 444 nos. <b>Pt-B-</b> 1st year creation of single planting 2600 nos.	<b>Nil</b>	
4	Schedule Caste Component Plan	250.00	0.00	0.00	2nd year maint. of block plantation-20 ha., 5th year maint. of Nursery 7 ha., 3rd year maint. of Nursery 42 ha., Maint. of park 11 nos., 3rd year maint. of single planting 542 nos.	<b>Nil</b>	
5	Procurement Arms & Ammunition for Forest Protection	0.10	0.00	0.00	<b>Nil</b>	<b>Nil</b>	
6	Rehabilitation of Degraded Forest	1000.00	0.00	0.00	1) 2nd year maint. of RDF - 279.01 ha, 2) 2nd year maint. of IFCRADF - 216.76 ha, 3) Advance work creation for IFCRADF - 261.25 ha. 4) 2nd year maint. of Block Plantation - 53 ha. 5) Advance work creation of Block Plantation- 320 ha 6) 1st year creation Single Planting 2954 nos	<b>Nil</b>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
7	Forest Publicity	100.00	20.00	20.00	<i>i) Celebration of World Environment Day on 5th June,</i> <i>ii) Celebration of Vana Mohatsava Day on 1st week of July,</i> <i>iii) Celebration of Wildlife Week during 1st week of October,</i> <i>iv) Celebration of World Wetland Day on 2nd Feb-state level function.</i> <i>v) LED TV with stand and accessories</i> <i>vi) Laptop</i> <i>vii) Purchase of one still camera with accessories including speed light</i> <i>viii) Purchase of overhead projector with accessories and video camera.</i> <i>ix) Printing of publicity material and annual report etc.</i>	<i>i) Celebration of World Wetland Day on 2nd February.</i> <i>ii) State Level Functions viz. Vanamohatsava &amp; Wildlife Week etc.</i> <i>iii) Circle / Division Level functions viz. Vanamohatsava &amp; Wildlife Week etc.</i>	
8	Amenities to staff & labours	52.60	52.60	42.7234	<i>PCCF(T) UAZ, Ghy.</i> <i>Purchase of furniture, Purchase of Xerox machine, Purchase of Inverter, Installation of Deep Tube Well, Construction of latrine, Drinking water facility, Computer Set etc. etc.</i> <i>PCCF(T) LAZ, Ghy.</i> <i>Purchase of Xerox machine, Installation of Solar system, Const. of overhead tank, Installation of Inverter, Purchase of computer etc. etc.</i> <i>Addl. PCCF (SF), Assam</i> <i>Purchase of office furniture, Colour printer with scanner, Purchase of sofa set, water purifier, Const. of overhead tank, Installation of Inverter, Purchase of computer etc. etc.</i>	<b><i>Nil</i></b>	
9	Rehabilitation of Laika & Dadhia Village under Dibru-Saikhowa NP (WL)	0.10	0.00	0.00	<b><i>Nil</i></b>	<b><i>Nil</i></b>	
	Development of Other Wildlife Areas	30.00	30.00	27.00	<i>Anti-poaching activities for protection of stray rhinos, tigers and other wild animals outside National Parks and Sanctuaries, Publicity, awareness, celebration of wildlife week, elephant festival, attending meeting etc., construction of trapping cage for capturing problematic animals 5 nos.</i>	<i>Anti-poaching activities for protection of stray rhinos, tigers and other wild animals outside National Parks and Sanctuaries, Publicity, awareness, celebration of wildlife week, elephant festival, attending meeting etc., construction of trapping cage for capturing problematic animals.</i>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
10	National Park Wildlife Sanctuary	200.00	200.00	185.5635	<i>Habitat Management by removing weeds, uprooting of shrubs, removal of water hyacinth etc. Maint. of Anti poaching camp, tube well &amp; ring well, Maint. of country boat, road, patrolling path, wireless sets, forest camp, vehicle, vaccination of cattle in fringe villages, engagement of incremental staff for protection and anti-poaching activities, cost of POL and maint. &amp; repairing of vehicle meant for rescue of wild animals, fixing of RCC boundary pillar, wages of casual workers, home guards, Fixing of RCC boundary pillar, const. of new country boat, display signboard, Patrolling &amp; prevention of WL crime including payment of wages of Home Guard etc., Habitat management by removing weeds, uprooting of unwanted shrubs, removal of water hyacinth etc./ Maintenance of watch tower. Erection of signboard, Repairing of Culverts. Intelligence Network, engaged for wildlife areas, office expenses, eco-development activities, public awareness, etc.</i>	<i>Habitat Management by removing weeds, uprooting of shrubs, removal of water hyacinth etc. Maintenance of vehicle, country boats, mechanized boats, speed boats and POL, Solar power fence, Procurement of POL, wages of casual worker office expenses, printing &amp; publication of interpretation materials. Construction of Roads, watch tower, bathroom &amp; toilet, ring well tube well, Vaccination of cattle in fringe villages. Repairing Anti-Poaching camp, Tube well Ring well, departmental rifle &amp; DBBL gun, Intelligence gathering. Purchase of ammunition, Running cost of vehicle &amp; anti poaching activities of the Sanctuary. Construction of Trapping craze, Tourist road, Running water facility &amp; earth filling in the staff qtr. Basistha etc. FOC yet to be released</i>	
11	Forest Protection Force	60.00	60.00	54.10632	<i>1st AFPF: Construction of Assam Type Barrack, Repairing &amp; Renovation at 1st aFPF, Basistha. 2nd AFPF: Construction of Brick Boundary wall with heavy duty double leaf iron gate at 2nd AFPF, Headquarter, Seconee, Jakkhalabandha, Nagaon (Lenght 120 RM) Construction of Brick Boundary wall with drain at 2nd AFPF, Headquater, Seconee, Jakkhalabandha, Nagaon (Lenght 120 RM) Construction of RCC Watch tower at 2nd AFPF, Headquarte, Seconee, Jakkhalabandha, Nagaon (Rs. 4,06,692/- X 2 nos. =8,13,384/-) Repairing of Magazine guard room at 2nd AFPF, Headquarter, Seconee, Jakkhalabandha, Nagaon</i>	<i>1st AFPF: Construction of Assam Type Barrack, Repairing &amp; Renovation at 1st aFPF, Basistha. 2nd AFPF: Construction of Brick Boundary wall with heavy duty double leaf iron gate at 2nd AFPF, Headquarter, Seconee, Jakkhalabandha, Nagaon (Lenght 120 RM) Construction of Brick Boundary wall with drain at 2nd AFPF, Headquater, Seconee, Jakkhalabandha, Nagaon (Lenght 120 RM) Construction of RCC Watch tower at 2nd AFPF, Headquarte, Seconee, Jakkhalabandha, Nagaon (Rs. 4,06,692/- X 2 nos. =8,13,384/-) Repairing of Magazine guard room at 2nd AFPF, Headquarter, Seconee, Jakkhalabandha, Nagaon N.B. (Lowest tender value)</i>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
1	2	3	4		6	7	
12	Assam Forest School (Training of Staff)	200.00	200.00	108.488	<i>Dir., Assam Forest School - Training of Frontline Staff i.e. cost of uniform to trainee, Filed visit i.e. Tour, sports &amp; games, org. exam, org. convocation, honorarium to guest lecturer, conveyances allowances to guest lecturer, office expenditure, Maint. and repair works i.e. water supply, electrical system, maint. of sanitary works, maint. of office campus, maint. of generator, etc. Construction Boundary wall with gate, approach road, Gymnasium hall.</i> <i>Supdt., Assam Forest Guards School – Field visit, exposure tour of trainee, local tour, sports &amp; games, org. exam, org. convocation, office expenditure, honorarium of guest lecture etc., Maint. of development works, Procurement of uniform etc. etc.</i>	<i>Dir., Assam Forest School, Jalukbari – Field visit, Sports &amp; Game, Organizing Examination, Convocation, Office expenditure, Maint. of Water supply, Electricity, Sanitary works, Office compound/ Garden, Cleaning of Drain/Nallah, Maint. of Director residence compound, Hostel compound, Play ground, Repairing of Officers &amp; Staff quarters, Lanscaping inside the AFS, Maint. of vehicle, Purchase of Furniture, Signboard etc.</i> <i>Supdt., Assam Forest Guards School – Field visit, exposure tour of trainee, local tour, sports &amp; games, org. exam, org. convocation, office expenditure, honorarium of guest lecture etc., Maint. of development works, Procurement of uniform etc. etc.</i>	
13	Development of Forest Village	30.00	30.00	29.168	<i>Nagaon- Construction of 4 nos. Ring well, Block Pavers Path Road &amp; Chain Link fencing wall &amp; Installation of Solar street light 4 nos.</i> <i>Dibrugarh- Drinking water facilities (installation of HTW), Maint. of Forest Road &amp; Solar lighting system.</i> <i>Lakhimpur- Cost of Deep Tube Well, RCC Staggering, Approach Road &amp; RCC Box Culvert.</i>	<i>Nagaon- Construction of 4 nos. Ring well, Block Pavers Path Road &amp; Chain Link fencing wall &amp; Installation of Solar street light 4 nos.</i> <i>Dibrugarh- Drinking water facilities (installation of HTW), Maint. of Forest Road &amp; Solar lighting system.</i> <i>Lakhimpur- Cost of Deep Tube Well, RCC Staggering, Approach Road &amp; RCC Box Culvert.</i>	
14	Dir. Forest Building	23.00	3.19	3.19	<i>Payment of Architech pending Bill</i>	<i>Payment of Architech pending Bill</i>	
15	Inter-pretation centre cum Measum at Manas & Dehing -Patkai (Signature Project)	395.87	395.87	395.87	<i>Construction of Museum cum Interpretation Center at Manas and Digboi</i>	<i>Payment to the contractor phase-I works in the Interpretation Center at Digboi</i>	
16	Communication for General Area Road & Bridge	60.00	0.00	0.00	<i>Improvement of forest Road -29.5 km. Culvert – 1 no.</i>	<b>NIL</b>	
17	Forest Research	30.00	30.00	12.58141	<i>Preservation, Experimental and Sample Plots studies for biodiversity conservation, Orchid Research conservation, Herbal Garden Ex-situ conservation/exhibition/demonstration &amp; propagation of rare, endangered and useful medicinal plants, Study of observation plots of different tree species, Tissue culture, Creation of seed orchard, Botanical Garden, Creation/conservation of botanical garden etc.</i>	<i>Preservation, Experimental and Sample Plots studies for Orchid Research under Silvi. Maintenance of Seeds Stands, Botanical Garden, Hi-Tech Nursery, Creation of 0.5ha. Seeds Orchards under Genetic Cell Divn. etc.</i>	
18	Greening of Greater Guwahati City	30.00	30.00	0.00	<i>1st year creation of 1500 nos. of Single planting with GPF fencing</i>	<b>NIL</b>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
19	Raising People's Nurseries/Plantation of Medicinal of Aromatic Plant.	50.00	50.00	46.50	Financial assistance to 100 beneficiaries for 1st year Creation of Nurseries	Financial assistance to 93 beneficiaries for 1st year Creation of Nurseries	
20	Modernization of Assam State Zoo	500.00	500.00	132.51233	(a) Renovation of 3.0 mtr. Wide road, (b) Construction of new drain, (c) Renovation of drain depth 750 mm (d) Renovation of drain above 750 mm depth (e) Construction 810.22 mtr. RCC Boundary wall	Part work completed against the renovation of existing works	
21	Construction of 40 Nos New highlands in Kaziranga National Park	0.00	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
22	Working Plan Organization & Development of Infrastructure Technology	0.10	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
23	Assam Bamboo Experience Centre	500.00	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
24	Assam Climate Change Management Society	200.00	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
25	Special Rhino Protection Force	196.43	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
	<b>Total of SOPD</b>	<b>4392.20000</b>	<b>1965.66000</b>	<b>1121.70296</b>			
<b>B</b>	<b>Externally Aided Project</b>						
22	EAP-Capacity Building for Forest Management & Training of Personal (JICA)	72.16	72.16	72.16	State Share component for purpose of taxes etc.	State Share component for purpose of taxes etc.	
23	EAP-Assam Project on Forest & Biodiversity Conservation (APFBC) (90:10)	5236.73	10.00	48.140	Salary component of constructural staffs	Salary component of constructural staffs	
	<b>Total of EAP</b>	<b>5308.89000</b>	<b>82.16000</b>	<b>120.30000</b>			
<b>C</b>	<b>C.S. Schemes</b>						
24	National Afforestation Programme (90:10)	110.00	0.00	0.00	Advance work for ANR.-180 AR-486 ha, Bamboo-40 ha., Mixed plantation-40 ha.	<b>NIL</b>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
25	Integrated Development of Wildlife Habitat (90:10)	330.00	265.32	117.79	<b>Dibru Saikhowa WLS-</b> Construction of mobile anti-poaching camp cum boat camp, Erection of electric post, Maintenance of wooden mechanized board, Road, Camp, Residence, Arms, Wireless system, Publicity etc. <b>BBP WLS</b> - Extention of Electricity supply, Construction of iv grade qtr., Maintenance of Casual laver & vehicle etc. <b>Chakrasila WLS</b> - Water retantion structure for providing water to wild animal, Purchase of Uniform, Rason, Construction of RCC signdboard, POL for vehicle, Wages for daily labour, <b>Karbi-Anglong WLS</b> - Construction of watch tower, patrolling path, Check dam for providing water to animals etc., <b>Nambor WLS</b> - Construction of watch tower, Check dam for providing water to animals, Distribution of piglet to fringe villagers under eco dev. activity, <b>Gorompani WLS</b> - Construction of watch tower, Check dam for providing water to animals, Purchase of POL, Tiger cage, <b>Barail WLS</b> - Construction of watch tower, Road purchease of sweeing machine etc.,	<b>Dibru Saikhowa WLS-</b> Construction of mobile anti-poaching camp cum boat camp, Erection of electric post, Maintenance of wooden mechanized board, Road, Camp, Residence, Arms, Wireless system, Publicity etc. <b>BBP WLS</b> - Extention of Electricity supply, Construction of iv grade qtr., Maintenance of Casual laver & vehicle etc. <b>Chakrasila WLS</b> - Water retantion structure for providing water to wild animal, Purchase of Uniform, Rason, Construction of RCC signdboard, POL for vehicle, Wages for daily labour, <b>Karbi-Anglong WLS</b> - Construction of watch tower, patrolling path, Check dam for providing water to animals etc., <b>Nambor WLS</b> - Construction of watch tower, Check dam for providing water to animals, Distribution of piglet to fringe villagers under eco dev. activity, <b>Gorompani WLS</b> - Construction of watch tower, Check dam for providing water to animals, Purchase of POL, Tiger cage, <b>Barail WLS</b> - Construction of watch tower, Road purchease of sweeing machine etc.,	
26	Forest Fire Prevention & Management	220.00	93.23	0.00	Procurement of Fire fighting equipments- 9 nos., Controlled burning fire line creation & maintenance - 150 km, Construction of water storage tank with pump for fire fighting purpose- 9 nos., Awareness campaign- 18 nos., Pre-fire season workshops for coordination among line departments & elected bodies & NGO's- 9 nos., Training & capacity building on fire fighting methods for Frontline staff. NGO's & village colmmunities- 9 nos., Incentivizing villages-communities for protection against forest fire.	<b>Nil</b>	Revalidation proposal submitted
27	<b>Project Tiger (90:10)</b>						



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
	Manas		475.06	481.361	Construction of Anti-poaching camp- 2 nos, Procurement of arms & ammunition, Procurement of hunting boat, Procurement of water filter- 20 nos, Procurement of solar chargeable torch light - 100 nos, Construction of culverts - 4 nos, Construction of gate - no., Construction of toilets - 7 nos, Creation of artificial earthen ponds - 4 nos, Construction of ACF qtr 1 no., procurement of dart including drugs for tranquilizing gun, Purchase of Android phones- 7 nos, Removal of weeds - 20 ha., Dissimination workshop, Project Tiger allowance to fixed pay & AFPP staffs, Ration allowance for forntline staff, supply of medicine, mosquito net, kerosene, torch light & battary, Promoting eco-tourisim, intelligence gathering, Installation of hand pump - 10 nos, Angement of elephant depredation squad, Payment of labours & contractual staff, Defending court cases, Maint. of vehicles, Repairing of patrolling/Anti-poaching camps- 12 nos, Maint. office, wireless, computers, Repairing of fix base station, Medicine and feeds for treatment of captive elephants and rescued animals, rewards to informers, Maint. of roads40 km, Maint. of patrolling path cum fireline- 85 kms, Eradication of Leea and Chromoleana adarata- 4 ha, Distribution of Piggery to EDC- 19 nos, Distribution of Duckery to EDC- 19 nos.	Construction of Anti-poaching camp- 2 nos, Procurement of arms & ammunition, Procurement of hunting boat, Procurement of water filter- 20 nos, Procurement of solar chargeable torch light - 100 nos, Construction of culverts - 4 nos, Construction of gate - no., Construction of toilets - 7 nos, Creation of artificial earthen ponds - 4 nos, Construction of ACF qtr 1 no., procurement of dart including drugs for tranquilizing gun, Purchase of Android phones- 7 nos, Removal of weeds - 20 ha., Dissimination workshop, Project Tiger allowance to fixed pay & AFPP staffs, Ration allowance for forntline staff, supply of medicine, mosquito net, kerosene, torch light & battary, Promoting eco-tourisim, intelligence gathering, Installation of hand pump - 10 nos, Angement of elephant depredation squad, Payment of labours & contractual staff, Defending court cases, Maint. of vehicles, Repairing of patrolling/Anti-poaching camps- 12 nos, Maint. office, wireless, computers, Repairing of fix base station, Medicine and feeds for treatment of captive elephants and rescued animals, rewards to informers, Maint. of roads40 km, Maint. of patrolling path cum fireline- 85 kms, Eradication of Leea and Chromoleana adarata- 4 ha, Distribution of Piggery to EDC- 19 nos, Distribution of Duckery to EDC- 19 nos.	
			47.00		Targets are same as Cetral Share but amount is distributed in 90:10 ratio.	Targets are same as Cetral Share but amount is distributed in 90:10 ratio.	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
	Kaziranga		893.425		Procurement of speed boat- 1 nos, country boats- 10 nos, Construction of Anti-poaching camps- 3 nos, Legal support & logistic for wildlife crime & investigation, voice recorder for crime investigation, Construction of multi -storyed building for Forester & Forest Guard- 1 nos, Extension of vehicle shed, Construction of watch tower- 4 nos, Procurement of wireless set- 10 nos, Smartphone- 10 nos, Engagement of architects for various civil work, Procurement of computers, laptops, printers, copier, projector, projector screen and ancillary, Procurement of solar power storing batteries- 5 nos, Payment of Ex-gratia, Search operations, Eviction operations, Anti-depredation cost include crackers, kerosene, logistic, etc., Survey and consolidation of newly created Biswanath Wildlife Division, Ration allowance to field staff, Procurement of uniforms, medicine, portable tents, binocular, night vision gear etc		
			103.02				
	Nameri	1980.00	164.52	119.984	Legal Support for defending Court Case, To carryout prophylactic immunization of cattle in and around tiger reserve, establishing maintenance of existing patrolling camps/staff qtrs etc - 1 no., Procurement of night vision device, binoculars etc - 200 nos., Procurement of vehicles - 3 nos, Construction of culverts, patrolling camps - 7 nos, creation of road network, Creation of wireless tower- 5 nos, Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Day to day monitoring of wild animals, Capturing problematic and aberrant wild animals, Dissemination workshop, Provisional balance to staff of project tigers (Casual & Fixed pay), Ration allowance, Supply of medicine, Maint. of arms & ammunition, Torch, Maint. of qtrs, Beat office, DFO office, Range office etc. Weed eradication - 15 ha., Improvement of Grassland & Wetland - 80 ha. Procurement/Maint. of Elephant squad - 15 nos, Reward to informers.	Establishing maintenance of existing patrolling camps/staff qtrs etc - 1 no., Procurement of night vision device, binoculars etc - 200 nos., Procurement of vehicles - 3 nos, Construction of culverts, patrolling camps - 4 nos, Creation of road network, Creation of wireless tower- 5 nos, Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Day to day monitoring of wild animals, Capturing problematic and aberrant wild animals, Dissemination workshop, Provisional balance to staff of project tigers (Casual & Fixed pay), Ration allowance, Supply of medicine, Maint. of arms & ammunition, Torch, Maint. of qtrs, Beat office, DFO office, Range office etc. Weed eradication - 15 ha., Improvement of Grassland & Wetland - 8 ha. Procurement/Maint. of Elephant squad - 15 nos, Reward to informers.	
			11.98				



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
	Orang		267.00	239.8452	<p>Contruction of patrolling camp-2 nos, Procurement of ammunition, Procurement of Uniform &amp; other accessories, Procurement of country boat - 4 nos, Construction of culverts-5 nos, Construction of Dy. Ranger qtrs.- 1 nos, Creation of road network - 5 km.,Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Procurement of computer, Laptop, Projector, Wages for 75 nos. Casual workers, Wireless handset etc., Procurement of satelite imageries, printing for management/Tiger Conservation Plan, Procurement of software, Construction of ACF qtr - 1 no., Creation of crop protection structure, procurement of cages to catch problematic animals - 1 no., Procurement of Tranquilizing gun &amp; accessories - 1 no., Desiltation of existing water bodies &amp; Removal of woody plants from grassland, Dissemination workshop, Study course for appraisal of good practice in other reserves, Project allowances to permanent staff, Provision for ration allowance, Procurement of torch search light &amp; batterie, Awarness campaign, Construction of hand pump - 15 nos &amp; head tank - 2 nos, Cost of fuel for patrolling duty, Deployment of camp labourers for patrolling, Maint. of vehicles - 9 nos &amp; country boats- 10 nos, Maint. of existing patrolling camps, -15, Maint. of office equipments &amp; wireless, Providing veterinary checkup camps, Remuneration to informers, Mait. of bridges - 6 nos, Maint. of Forest Guard &amp; Forester qtrs, Maint. of Kuccha roads.</p>	<p>Contruction of patrolling camp-2 nos, Procurement of ammunition, Procurement of Uniform &amp; other accessories, Procurement of country boat - 4 nos, Construction of culverts-5 nos, Construction of Dy. Ranger qtrs.- 1 nos, Creation of road network - 5 km.,Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Procurement of computer, Laptop, Projector, Wireless handset etc., Procurement of satelite imageries, printing for management/Tiger Conservation Plan, Procurement of software, Construction of ACF qtr - 1 no., Creation of crop protection structure, procurement of cages to catch problematic animals - 1 no., Procurement of Tranquilizing gun &amp; accessories - 1 no., Desiltation of existing water bodies &amp; Removal of woody plants from grassland, Dissemination workshop, Project allowances to permanent staff, Provision for ration allowance, Procurement of torch search light &amp; batterie, Awarness campaign, Construction of hand pump - 15 nos &amp; head tank - 2 nos, Cost of fuel for patrolling duty, Deployment of camp labourers for patrolling, Maint. of vehicles - 9 nos &amp; country boats- 10 nos, Maint. of existing patrolling camps, -15, Maint. of office equipments &amp; wireless, Providing veterinary checkup camps, Remuneration to informers, Mait. of bridges - 6 nos, Maint. of Forest Guard &amp; Forester qtrs, Maint. of Kuccha roads.</p>	
			26.70	24.15424	<p>Basic health care camps, To carryout prophylatic immunization of cattle in and around Tiger Researve, Organizing joint patrolling, Procurement of uniforms &amp; other accessoriesfor satff, Creation of road network - 5 km., Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Capturing problematic &amp; aberrant wild animals, supply of fiel kit, Legal support for defending court cases, Maint. of vehicles - 9 nos, Maint. of country boats - 10 nos, Maint. of office equipments, Providing veterinary checkup camps, Remuneration to informer, Maint. of bridges - 6 nos, Maint. of DFO office, Maint. of earthen ponds - 10 nos, Maint. of Forest Guard qtrs- 2 nos &amp; Forester qtrs - 2 nos, Maint. of Kuccha roads - 10 nos, Maint. of Rangers qtr - 1 no. Capacity building &amp; training.</p>	<p>Basic health care camps, To carryout prophylatic immunization of cattle in and around Tiger Researve, Organizing joint patrolling, Procurement of uniforms &amp; other accessoriesfor satff, Creation of road network - 5 km., Establishing monitoring system for Tiger Intensive Protection and Ecological status (M-stripes) monitoring - 50 nos, Capturing problematic &amp; aberrant wild animals, supply of fiel kit, Legal support for defending court cases, Maint. of vehicles - 1 no., Maint. of country boats - 10 nos, Maint. of office equipments, Providing veterinary checkup camps, Remuneration to informer, Maint. of bridges - 6 nos, Maint. of DFO office, Maint. of earthen ponds - 10 nos, Maint. of Forest Guard qtrs- 2 nos &amp; Forester qtrs - 2 nos, Maint. of Kuccha roads - 10 nos, Maint. of Rangers qtr - 1 no. Capacity building &amp; training.</p>	



<i>Sl. No.</i>	<i>Name of the SOPD Scheme</i>	<i>Total Allocation</i>	<i>Fin. Sanction Amount</i>	<i>FOC issued</i>	<i>Physical Target during 2018-19</i>	<i>Physical Achievement during 2018-19</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>		<i>6</i>	<i>7</i>	
28	Project Elephant (90:10)	222.97	202.70	95.61348	Reward to informer, Intelligence gatherin & legal support, Running cost of patrolling vehicles & logistics for protection & anti-depredation measure, Procurement of ammunitions for using in anti-depredation activities, Immunization of livestocks on the fringe area of ERs for protecting elephants against contagious disease, Drugs for tranquilizing equipments, Implementation of MIKE, Improvment & Dev. of sensitive areas to reduced man-elephant conflict, Ex-gratia for loss of life and property due to elephant depredation, expedite movement of Anti-depredation team for quick action to scare elephants from human habitation & crop field to Reserve/Protected Areas, Raising of Bio-fencing by planting Bhoot Jalakia and lemon plants and other citrus species, Hiring of kunki elephant, Eco-development works in fringe villages of ERs and elephant corridors to reduce biotic presure on elephant, Monitoring & study visit, training related visits and fielld visits etc., Veterinary support, Publicity & awarness programmes, Population estimation of wild elephants.	Reward to informer, Intelligence gatherin & legal support, Running cost of patrolling vehicles & logistics for protection & anti-depredation measure, Procurement of ammunitions for using in anti-depredation activities, Immunization of livestocks on the fringe area of ERs for protecting elephants against contagious disease, Drugs for tranquilizing equipmentsand expedite movement of Anti-depradation teams of local villaers with logistic support for quick action to scare away elephant from human habitation and crop field to nearby Forest Reserve/Protected area.	
29	Management Action Plan Biosphare Reserve Manas & Dibru-Saikhowa	67.00	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
	National River Conservation	0.02	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
	SPA for Assam State Zoo	0.10	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
	National Bamboo Mission	0.10	0.00	0.00	<b>NIL</b>	<b>NIL</b>	
<b>Total of CSS</b>		<b>2930.19000</b>	<b>2549.95000</b>	<b>1078.74792</b>			
<b>Total (A+B+C)</b>		<b>12631.28000</b>	<b>4597.77000</b>	<b>2320.75088</b>			



**FINANCIAL & PHYSICAL STATUS UNDER THE SOPD, EAP & CS SHEMES DURING 2019-20**

*(₹ in lakhs)*

Sl. No.	Name of the Scheme	Head of Accounts	Budget	CSS Budget		SD/CF	Total Allocation as per	FOC Issued	Physical Target during 2019-20	Physical Achievement during 2019-20	Amount utilized	Financial Progress in %	Physical Progress in %
				State Share	Central Share								
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>A</b>	<b>SOPD</b>												
1	Social Forestry (General)	2406-01-102-0295-000-17-99	350.00	0.00	0.00	0.00	350.00	89.35491	Pt. A - Nursery (Maint.) - 2 nos. Park (Maint.) - 9 nos. Single Planting (Maint.) - 46 nos. Pt. B - Plantation Advance work - 105. Ha. 1st year creation & Maintenance of Plantation - 40 Ha. Social Forestry park for aesthetic & beautification at Raj Bhavan - 1 no. 1st year creation of Single Planting - 511 nos.	Park (Maint.) - 2 nos Pt. B - Plantation Advance work - 25 ha Social Forestry park for aesthetic & beautification at Raj Bhavan - 1 no. 1st year creation of Single Planting - 191 nos	85.20200	24.34	-
2	Rehabilitation of Degraded Forests	2406-01-105-1259-000-17-99	700.00	0.00	0.00	0.00	700.00	0.00	C.C.F.(T), UAZ = 3rd year maintenance of RDF area carried out during 2017-18 - 115.16 ha., 3rd year maintenance of L.F.C.R.D.F. carried out during 2017-18 - 75 ha., Advance work, creation & 1st year maintenance during 2019-20 - 112.82 ha. C.C.F.(T), LAZ = 2nd year maintenance of ptn. created under RDF during 2017-18 - 163.85 ha., 2nd year maintenance of ptn. created under improvement of Forest Cover through restoration and afforestation during 2017-18 - 141.76 ha., Advance work, creation & 1st year maintenance - 146.2 ha. C.C.F.(T), SF = 3rd year maintenance of block plantation- 53 ha., Advance work, creation & 1st year maintenance of block plantation- 170 ha., Single Planting- 1251 nos.	-	-	-	-
3	Tribal Sub Plan	2406-01-800-0796-000-17-99	120.00	0.00	0.00	0.00	120.00	0.00	Pt A: 3rd year maint. of plantation- 5 Ha., 4th year maint. of Nursery 13.5 ha., 3rd year maint. of single planting 444 nos. Pt B: Advance works of plantation- 30 ha. 1st year creation & maintenance - 20 ha. 1st year creation & maintenance of single planting - 267 nos.	-	-	-	-
4	Schedule Caste Component Plan	2406-01-800-0789-000-17-99	250.00	0.00	0.00	0.00	250.00	0.00	Pt-A: 3rd year maint. of block plantation- 20 Ha. 4th year maint. of Nursery 42 ha. Maint. of park 11 nos. 4th year maint. of single planting 542 nos. Pt-B : 1st year creation of single planting 1295 ha/nos.	-	-	-	-



5	Bio-diversity Board (Salary)	2406-01-800-0708-988-31-99	17.11	0.00	0.00	2.27	19.38	19.38	Pay & Allowances of staffs and Preparation of PBRs, Capacity building workshop at BMC levels, Biodiversity Heritage Site Management, Constitution of BMCs, Publication, Publicity, Office Expenses and any other revenue expenditure.	Pay & Allowances of staffs	19.38000	100.00	-
6	Bio-diversity Board (Non-Salary)	2406-01-800-0708-988-32-99	52.9	0.00	0.00	200.00	252.90	0.00		-	-	-	-
7	Special Rhino Protection Force	2406-02-111-5771-000-01-99	233.97	0.00	0.00	0.00	233.97	233.97	Salary Component for newly recruited constables at KNP	Salary Component for newly constables at KNP	233.97	100.00	-
8	Raising People's Nurseries/ Plantation of Medicinal & Aromatic Plants	2406-01-102-1245-000-17-99	200.00	0.00	0.00	0.00	200.00	184.50	Creation of People's Nursery @Rs.50,000 by 400 beneficiaries	Creation of People's Nursery @Rs.50,000 by 369 beneficiaries	184.50000	92.25	100.00
9	Greening of Greater Guwahati	2406-01-105-1254-000-17-99	100.00	0.00	0.00	0.00	100.00	0.00	Single Planting 1000 nos., Improvement & renovation of Medicinal & Aromatic Garden at Chakradeo-2.5 ha., Saraighat Park - ha. & Gandhimow- 2.5 ha.	-	-	-	-
10	Reducing Man Elephant Conflict	2406-01-800-0708-000-26-99	1045.00	0.00	0.00	0.00	1045.00	40.01651	i) Formation of Anti-depredation squads of local villagers and providing logistics to them including hire charge of vehicle. ii) Installation of Electric Fencing in the strategic locations to reduce damage of life and property due to elephant depredation of 100 Km iii) Digging of Elephant proof trenches in different areas of the state of 100 Km. iv) Purchase of search lights for use in Anti-depredation works-100 nos v) Purchase of ammunitions for use in Anti-depredation works vi) Publicity and awareness campaign	i) Formation of Anti-depredation squads of local villagers and providing logistics to them including hire charge of vehicle.	UC pending	-	-
11	Assam Forest School (Training of Staff)	2415-06-277-1310-000-04-07	40.00	0.00	0.00	0.00	40.00	2.67659	Dir., Assam Forest School, Jalukbari – Field visit, Sports & Game, Organizing Examination, Convocation, Office expenditure, Maint. of Water supply, Electricity, Sanitary works, Office compound/ Garden, Cleaning of Drain/Nallah, Maint. of Director residence compound, Hostel compound, Play ground, Repairing of Officers & Staff quarters, Landscaping inside the AFS, Maint. of vehicle, Purchase of Furniture, Signboard, Painting & repairing of old staff quarters, Demolishing of old building, Improvement of road & new Administrative building, Construction of Septic tank, Parking shed for departmental bus, Construction of pathway in Director Residence, Setting up LAN installation of Lightening Protector etc & supply of GIS Lab Assistant & Computer Assistant as contractual staff, Purchase of uniform etc.	Dir., Assam Forest School, Jalukbari - Field visit, Sports & Game, Organizing Examination etc., Improvement of road & new Administrative building, Setting up LAN installation of Lightening Protector etc & supply of GIS Lab Assistant & Computer Assistant as contractual staff	2.67659	6.69	-
		2415-06-277-1310-000-26-03	260.00	0.00	0.00	0.00	260.00	41.20951	Suptd., Assam Forest Guards School – Field visit, exposure tour of trainee, local tour, sports & games, org. exam, org. convocation, office expenditure, honorarium of guest lecture etc., Maint. of development works, Procurement of uniform, Construction of boundary wall, White washing & Painting, Setting up LAN, Installation of lightening protector, Maint. of vehicle etc.		41.20951	15.85	-
12	Forest Research	2415-06-004-1308-000-26-99	150.00	0.00	0.00	0.00	150.00	136.81006	1. Elephant Proof Solar Fencing at Silviculture Complex, Basistha, Renovation of Tissue Culture Laboratory, Materials purchase for Research Laboratory, Renovation & Improvement of Herbal Garden, Maintenance of Orchard House, Study of Preservation, Experimental & Sample plot for Bio-Diversity conservation, Re-survey & Maintenance of Old Non maintenance plots, Ethnobotany study among different Tribes. 2. Up gradation of Dighoi Arboretum 3. Maintenance of Seeds Stands, Seeds Orchards, Botanical at Basistha Rattan House at Lakhpathar, Hi-Tech Nursery at Rani under Genetic Cell Divn., Collection of Germ-Plasm under Genetic Cell Divn., Expansion of quality planting materials in Hi-Tech nursery at Rani, Publicity & Display Materials, Renovation works at DFO office Genetic Cell Divn. etc.	1. Basistha, Renovation of Tissue Culture Laboratory, Renovation & Improvement of Herbal Garden, Maintenance of Orchard House, Study of Preservation, Experimental & Sample plot for Bio-Diversity conservation, Re-survey & Maintenance of Old Non maintenance plots, Ethnobotany study among different Tribes. 3. Maintenance of Seeds Stands, Seeds Orchards, Botanical at Basistha Rattan House at Lakhpathar, Hi-Tech Nursery at Rani under Genetic Cell Divn., Collection of Germ-Plasm under Genetic Cell Divn., Expansion of quality planting materials in Hi-Tech nursery at Rani, Publicity & Display Materials, Renovation works at DFO office Genetic Cell Divn. etc.	106.53682	71.02	-



13	Forest Publicity	2406-01-800-0800-710-26-99	100.00	0.00	0.00	0.00	100.00	75.97480	<p>i) Organizing the State Level Functions viz. Vanamohatsava &amp; Wildlife Week, 2019.</p> <p>ii) Circle / Division Level functions viz. Vanamohatsava &amp; Wildlife Week, 2019.</p> <p>iii) Celebration of World Wetland Day on 2nd February, 2020.</p> <p>iv) Publication of a handbook on flowering and fruiting, nursery technique etc of indigenous trees of Assam.</p>	74.64157	74.64	-	
14	CAMPA	2406-04-103-2535-CAMPA-000-26-99	5741.28	0.00	0.00	0.00	5741.28	0.00	-	-	-	-	
15	Development of Forest Village	2406-01-800-0800-000-26-99	100.00	0.00	0.00	0.00	100.00	6.30664	<p><b>A. UAZ wing-</b></p> <p>1. Digboi Divn.- Dairy farming, Duckery with layers, Supply of Piglets (Hybride).</p> <p>2. Sivasagar Divn.- Improvement of forest road (Sigloo pathar to Singloo Taungya, Improvement of Sapekhati Forest village road at Sapkhali).</p> <p>3. Jokat Divn.- Development of Handloom, yarns (Disoi Valley FV), Piggery (Disoi Valley FV)</p> <p>4. Dhemaji Divn.- Improvement of Gali Mechaki Road (Gali Borbali FV), Culvert (Gali Borbali FV), Improvement of road from NH – 52 to Rajakhana (Bijoypur FV), Culvert (Bijoypur FV).</p> <p>4. Sonitpur East Divn.- Ring wells, Roads (Diplonga, Pabhoi Range).</p> <p><b>B. LAZ wing-</b></p> <p>1. Cachar Divn.- Improvement of Forest Road under Borak R.F. in Krishnapur Tangya village.</p> <p>2. Karimganj Divn.- Construction of Ring well, Repairing &amp; renovation of Nilkantapur Forest Village road under Lowairpowa Range, Free LPG connection to the BPL villagers.</p> <p>3. Kamrup East Divn.- Improvement of Joypur Secha Forest Road under Rami Range.</p> <p>4. Kamrup West Divn.- Solar home light system, model MAC632M under Bamunigaon, Kuls, Loharghat Range. Solar street light, model no.MACSSL9WIL under Bamunigaon, Kuls &amp; Loharghat Range. Construction of ring well under Bamunigaon, Kuls &amp;</p>	UC pending	-	-	
16	Amenities to Staff and Labour	2406-01-101-1240-000-04-99 (Ceiling exempted Head)	200.00	0.00	0.00	0.00	200.00	12.81765	<p><b>PCCF, Wildlife, Ghy</b></p> <p>Provision of drinking water facilities (water filters) under Amchang, Pobitora, Gibbon, Panidhing, Dibru-Saikhowa, Nabor Duigrung, Dihing Patkai &amp; Chakraisila Wildlife Sanctuaries (8 nos.)</p> <p>Provision of sanitary latrines in Pobitora, amchang, Gibbon, Panidhing, Dibru-Saikhowa, Borjan Bherjan Padumoni, Nambor Doigrung, Dihing Patkai, Borail &amp; Chakraisila.</p> <p>Provision of mosquito nets in all anti-poaching camps under Wildlife sanctuaries.</p> <p><b>CCF(T) UAZ, Ghy,</b></p> <p>Provision of Drinking water facility, Construction of Toilet, Purchase of Solar lamps, Tents, Computer table, Potensil, Mosquito net, Photostat machine, Water filter, Aqua guard, Electric fan, Generator, Inverter, Purchase of furniture &amp; Electrification of the Division etc.</p> <p><b>CCF(T) LAZ, Ghy,</b></p> <p>Installation of Drinking Water facility-1 no., Purchase inverter-2 nos., Purchase of Fan-19 nos., Purchase of light-2 nos., Purchase of Xerox Machine-4 nos., Purchase of printers-2 nos., Construction Common Toilet-2 nos., Purchase aqua sure water filter-15 nos., Purchase of Computer set-1 no., Purchase of Scanner-1 no., Purchase of almira-29 nos., Construction of Ring well-1 no., Purchase of Chair-13 nos., Purchase of Hunting shoe-256 nos., Purchase of uniform in frontline staff-200 nos., Solar light system-9 nos., Purchase of steel rack- nos., Purchase of Torch light- 344 nos., Purchase of water filter (steel) – 15 nos., Purchase of inverter &amp; Battery-2 nos., Purchase office staff table/computer table-7 nos.</p> <p><b>CCF (SF), Assam</b></p> <p>Purchase of best quality Tea set including tray, Xerox machine ink, Computer cartage, Towel &amp; Glass, Ink tank colour printers with ink tank, Purchase of stationary items, Purchase of furniture, Purchase of still rack, Purchase of stand fan, AC, Colour TV, Kent mineral RO, Sofa set, Inverter, Purchase of bicycle, Godrej almira, Water filter etc. Repairing and renovation office, Construction of Toilet, Purchase of</p>	Provision of sanitary latrines in Pobitora, Provision of mosquito nets	UC pending	-	-



17	Development of National Parks and Wildlife Sanctuaries	2406-02-111-1280-000-26-99	200.00	0.00	0.00	0.00	200.00	90.14382	Procurement of POL, Maint. of Mechanized Boat, Wages of Casual Worker, Office Expenses including Camp, Procurement of Country Boats, Maint. of Patrolling path, Maint. of Camp, Publicity Material & Eco Dev., Repairing Anti-Poaching Camp, Purchase of Camera Traps for capturing the elusive animals in photo and estimating number, Maint. of Vehicles and Vaccination of cattle in fringes villages including coast of vaccination.	Reports yet to be received	UC pending	-	-
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18	Development of Other Wildlife Areas	2406-02-110-1268-000-26-99	130.00	0.00	0.00	0.00	130.00	85.22545	1. Antipoaching Operation & Rescuing of Wild Animal. 2. Celebration of Wildlife Week & Publicity materials etc. 3. Logistic support to the villages for dealing with the elephant depredation in the villages. 4. Construction of watch towers.	Reports yet to be received	UC pending	-	-
19	Working Plan Organisation	2406-01-005-1229-000-26-99	100.00	0.00	0.00	0.00	100.00	0.00	Scheme is to be submitted shortly	-	-	-	-
20	Forest Protection Force	4406-01-101-1238-000-13-99	100.00	0.00	0.00	0.00	100.00	8.50496	1st. AFPP Bn. – Construction of staff Quarter Basistha, Guwahati (RCC Ground Floor, 1 No = 4 unit). 2nd AFPP Bn.- i) Construction of Gymnasium House with Gyms Equipments at 2nd AFPP H.Q. Seconee, Nagaon. ii) Construction of Quarter attached Kitchen (5 nos.) & construction of 2 seater Latrine & 2 nos. Bathroom at 2nd Assam Forest Protection Force, Seconee, Jakhlabandha in Nagaon District for 19-20. iii) Construction of Assam Type Barrack with kitchen at 2nd AFPP at Secoknee, Jakhlabandha.	1st. AFPP Bn. – only part payment against the works	UC pending	-	-
21	Modernization of Assam State Zoo	4406-02-111-1277-000-13-99	500.00	0.00	0.00	200.00	700.00	483.05679	i. Construction of Giraffe and Zebra enclosures in Assam State Zoo. ii. Animal Exchange Programme. iii. Construction of Boundary walls, drains, roads, etc.	ii. Animal Exchange Programme. iii. Construction of Boundary walls, drains, roads, etc.	UC pending	-	-
22	Rehabilitation of Dadhia & Laikia Village under Dibru-Saikhowa National Park (WL)	2406-02-111-1280-103-17-99	0.01	0.00	0.00	0.00	0.01	0.00	-	-	-	-	-
23	Communication for General Areas Roads & Bridges	4406-01-070-1230-107-13-99	160.00	0.00	0.00	0.00	160.00	11.88	Improvement of forest Road -72.5 km. Culvert – 4 nos. Earth filling – 300 Rm & Internal road – 0.40 Km with Drainage system – 0.041 .	Reports yet to be received	UC pending	-	-
24	Building for General Areas	4406-01-070-0121-000-14-99	200.00	0.00	0.00	0.00	200.00	21.21649	Construction of Fr-I & Fgd Qtr-5 nos., Repairing & renovation of Qtr. & Office-17 nos., Boundary Gate-1 no.	Reports yet to be received	UC pending	-	-
25	Dir. Forest Building	4406-01-070-0121-814-13-99	0.01	0.00	0.00	0.00	0.01	0.00	-	-	-	-	-
26	Assam Climate Change Managment Society	2406-01-800-0708-989-26-99	50.00	0.00	0.00	0.00	50.00	50.00	Carbon Neutrality of Majuli : Electroning transport system, Installation of Solar panels, Up-gradation of Brick-kiln for low carbon emissions- Consultant fee, Data Operator 7 office expenses etc.	Rs.0.26 lakhs could be utilized against the approved works.	0.26000	0.52	-
27	Timber Treatment Seasoning Plant	2406-01-800-0800-709-26-99	150.00	0.00	0.00	0.00	150.00	0.00	-	-	-	-	-
28	Forest School Kajalgaon	2415-06-004-1310-Assam Forest School- 401-Forest School Kajalgaon-26-99	300.00	0.00	0.00	0.00	300.00	0.00	-	-	-	-	-
29	Interpretation Centre Cum Museum at Manas & Digboi	4406-01-070-0121-101-13-99	1000.00	0.00	0.00	0.00	1000.00	1000.00000	Running bill submitted Interpretation Centre Cum Museum at Manas & Digboi		1000.00000	100.00	33.93 % for Digboi site and 36.07 % for Manas
30	Road Side Plantation of National Highways	2406-01-105-2547-000-17-99	0.00	0.00	0.00	200.00	200.00	0.00	-	-	-	-	-
31	Deepor Beel Conservation & Development Society & Assam Wetland Society	2406-02-111-0000-000-26-99	0.00	0.00	0.00	37.00	37.00	0.00	-	-	-	-	-



32	Deployment of Modern Technology & Communication System for forestry & Wildlife Conservation & Management	2406-01-101-XXXX-000-00-00 (New H/A to be created)	0.00	0.00	0.00	100.00	100.00	97.37847	Procurement and customisation of Anti-Depredation Quick Response Vehicle. Supply and installation of lights on Anti-Depredation Quick Response Vehicle. Setting up of digital communication network in Rajiv Gandhi Orang National Park, Installation of solar street lighting in the Sulviculture Division, Procurement of surveillance Quardcopter for forest and wildlife management, Procurement of day camera module with thermovision sensor base module for industrial quardcopter integration.	Procurement and customisation of Anti-Depredation Quick Response Vehicle. Supply and installation of lights on Anti-Depredation Quick Response Vehicle. Setting up of digital communication network in Rajiv Gandhi Orang National Park, Installation of solar street lighting in the Sulviculture Division, Procurement of surveillance Quardcopter for forest and wildlife management.	40.94847	40.95	-
33	Assam Forest Development Corporation with Multiple Verticals for Forestry and Wildlife Sector	2406-01-101-XXXX-000-00-00 (New H/A to be created)	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
34	Air & Water Pollution Control Board	2406-01-800-000-5327-32-99	0.00	0.00	0.00	1904.00	1904.00	0.00	Proposal submitted for rejuvenation of Bharalu River, Borsola, Silako Beel	-	-	-	-
35	FDI (Flood Damage Restoration)	2406-01-800-0708-FD1-17-99	0.00	0.00	0.00	1000.00	1000.00	0.00	Proposal submitted shortly	-	-	-	-
<b>TOTAL of SOPD</b>			<b>12550.28</b>	<b>0.00</b>	<b>0.00</b>	<b>3643.27</b>	<b>16193.55</b>	<b>2690.42</b>			<b>1789.32496</b>		
<b>B EAP</b>													
34	EAP- Assam Project on Forest & Biodiversity Conservation Society (APFBC)	2406-01-800-0708-986-26-99	0.00	2000.00	3000.00	0.00	5000.00	0.00	Salary Component for contractual staff	-	-	-	-
35	EAP- Capacity Building for Forest Management & Training of Personal (JICA)	2406-01-800-0708-555-26-99	0.00	35.00	0.00	0.00	35.00	0.00	-	-	-	-	-
<b>TOTAL of EAP</b>			<b>0.00</b>	<b>2035.00</b>	<b>3000.00</b>	<b>0.00</b>	<b>5035.00</b>	<b>0.00</b>			<b>0.00000</b>		
<b>C CSS</b>													
36	National Afforestation Programme	2406-01-800-4040-000-26-99	0.00	12.00	120.00		132.00	0.00	Gol approval not received	-	-	-	-
37	Forest Fire Prevention & Management	2406-01-800-1241-101-26-99	0.00	30.00	300.00		330.00	0.00	i) Procurement of fire fighting equipments ii) Controlled burning, fire line creation and maintenance iii) Creation of infrastructure (communication system, development of Management Information System, watch tower, forest roads, water storage structures, control rooms at Division & Range level, FG barracks and inspection huts etc.	Amount of Rs.93.23 lakhs released during 2018-19 and revaluated during 2019-20 utilized by 2 (two) divisions, Dima Hasao East Division and Dima Hasao West Division amounting to Rs.20.57 lakhs. Remaining 6 (six) divisions yet to utilize the fund.	-	-	-
38	National River Conservation	2406-02-800-4898-000-26-99	0.00	5.00	50.00		55.00	0.00	<b>A. UAZ wing.</b> (i) Dibrugarh Divn.- Clearing light jungles, Earthwork in bank trimming, Supply of Geo-textile bags of type-A, Supply of non woven geo fabric sheet, Supply of Sewing Thread, Construction & supply of Wire-netting box, Filling & laying of Geo bags (With boat), Earth work in excavation, Labour charge for laying Geo fabric sheet as filter bellow pitching, Filling & laying of Geo bags (Without boat), Filling & laying in cage with sand filled Geo bags, Add contingencies - L.S. (ii) Lakhimpur Divn.- Clearing light jungles D.L 16 nos. @Rs.250/-, Earth work in bank trimming, Supply of Boulder 1500M3 with govt. royalty @Rs.650/-per m3, Labour charge for Boulder pitching at erosion site D.L 300 nos. @Rs.250/-, Supply of Sand 120M3 with govt. royalty @Rs.530/-per m3, Supply of iron net (gate) 10.588 quintal @Rs500/QH, Purchase of naked cement bag 500 nos. @Rs.10/- each, Filling & laying in cage with filled Sand & fitting fixing of sand bag with iron net at erosion site D.L 230 nos. @Rs.250/-, Add. Contingency L.S. <b>B. LAZ wing.</b> (i) Dhubri Divn.- Double strip plantation on river bund of Brahmaputra River from Jegomsaya Ghat to down stream up to New ghat at Dhubri. (ii) Ais-Valley Divn.- Plantation along road/Embankment on the Bank of Champa River: (i) Erection of iron enclosure (a) Construction of iron enclosure (b) Carrying, fitting & fixing in PCC foundation (ii) Creation of plantation (a) Site selection, survey & demarcation, line alignment etc. (b) Procurement, erection of bamboo & bamboo interlocking etc.	-	-	-	-







# FINAL REPORT

## MONITORING AND EVALUATION OF CAMPA ACTIVITIES OF 2017-18 AND 2018-19 UNDER ASSAM FOREST DEPARTMENT



**SUBMITTED TO – ASSAM STATE CAMPA, ASSAM FOREST  
DEPARTMENT**

**SUBMITTED BY – GICIA INDIA PVT. LTD.**  
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## ACKNOWLEDGEMENT

We deeply acknowledge the support received from the Assam Forest Department in completing the Monitoring & Evaluation work of CAMPA activities of 2017-18 and 2018-19 executed by the Assam Forest Department.

We wish to acknowledge and thank the CEO of Assam State CAMPA, Dr. Satyendra Singh, for his support throughout the entire assessment work. We also thank the staff of Assam State CAMPA office for their co-operation and facilitation.

We are also thankful to the Conservator of Forests of the respective Circles for their inputs and support to the field teams during the assessment process.

We express our deep gratitude to the Divisional Forest Officers, Range Officers, and other staff of all the visited Forest Divisions in extending their support during the field level assessments.

We wish Assam State CAMPA a great success in their future endeavors.

Dr. Devendra Pandey, IFS (retd), Project Head

On behalf of GICIA India Pvt. Ltd and Project Team

Noida, Uttar Pradesh





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## Acronyms

List of abbreviations	Full form
ANR	Assisted Natural Regeneration
APCCF	Additional Principal Chief Conservator of Forests
APC	Anti-Poaching Camp
APO	Annual Plan of Operation
ATB	Assam Type Barrack
CA	Compensatory Afforestation
CAF	Compensatory Afforestation Fund
CAMPA	Compensatory Afforestation Fund Management and Planning Authority
DFO	Divisional Forest Officer
EPT	Elephant Proof Trench
ESRI	Environmental Systems Research Institute
FCA	Forest Conservation Act
FFC	Forest Force Camp
FGQ	Forest Guard Quarter
FQ	Forester Quarter
FSI	Forest Survey of India
GIPL	GICIA India Private Limited
GPS	Global Positioning System
IFS	Indian Forest Service
MB	Measurement Book
MoEFCC	Ministry of Environment, Forests and Climate Change
M&E	Monitoring and Evaluation
NDC	Nationally Determined Contributions
NPV	Net Present Value
PCCF	Principal Chief Conservator of Forests
PCCF & HOFF	Principal Chief Conservator of Forests & Head of Forest Force



List of abbreviations	Full form
PhD	Doctor of Philosophy
PI	Performance indicator
PIU	Program Implementation Unit
RFO	Range Forest Officer
ROQ	Range Officer Quarter
SA	Staff Amenities
SF	Social Forestry
SFD	State Forest Department
SMC	Soil and Moisture Conservation
SSP	Site Specific Plantations
TCD	Training and Capacity Development
ToR	Terms of Reference
WT	Watch Tower



## 1. Executive Summary

- A. The Assam State CAMPA (Compensatory Afforestation Fund Management and Planning Authority) has been constituted to utilize the fund obtained from Government of India under CAMPA for enhancing forest and tree cover, strengthening, and building infrastructures and logistics facilities, research, training and capacity building and conservation of wildlife. The funds are released directly to Assam State CAMPA from Adhoc CAMPA and allocated to field officer as per the approved APOs.
- B. This Monitoring and Evaluation project is to evaluate the CAMPA-funded activities that were carried out in the period of 2017-18 and 2018-19 by the Assam Forest Department. The project scope comprises the following:
- Data Collection and Compilation of various activities executed with CAMPA funds
  - Development of key performance indicators (KPIs) and score card matrix, in consultation with State CAMPA authority
  - Field visits for assessment of the selected sites based on KPIs, and collation of data collected during field visits.
  - Comprehensive assessment of various activities.
  - Videography of the selected sites especially of plantation and nursery activities to provide photo evidence of the field.
- C. The work of Monitoring and Evaluation of the CAMPA activities of Assam State was awarded to GICIA India Private Limited by signing an Agreement on 20<sup>th</sup> February 2020. The launching of the project was, however delayed because of the worldwide COVID-19 pandemic situation and lockdown in the country as well as in Assam State. After gradual opening of lockdown, Assam State CAMPA condoned the delay vide letter No.FG.27/CAMPA dated 03<sup>rd</sup> July 2020. The Inception Report, the first deliverable of the project was submitted on 20<sup>th</sup> July 2020 which was resubmitted on 25<sup>th</sup> August 2020 after incorporating few changes recommended by the Assam State CAMPA. The Inception Report was accepted by the CEO of Assam State CAMPA on 10<sup>th</sup> September 2020, there after the field work started. The Interim Report of the



project was submitted on 27<sup>th</sup> October 2020 to the Assam State CAMPA, in which the various challenges and bottlenecks faced during the evaluation work was also highlighted. This is the final report which covers the broad methodology & approach followed by the project team for monitoring and evaluation of the State CAMPA activities carried out in the periods of 2017-18 and 2018-19, along with the key findings, outcomes, and recommendations after assessment of the performances of the CAMPA activities.

- D. The CAMPA activities found in the assessment periods of 2017-18 and 2018-19 were mainly under four categories, namely Nursery Management, Plantation Management, Infrastructure & Road Development, and Other Works. Nursery Management includes 'Maintenance of nurseries that were created in 2017-18 or in the previous years' and 'Creation of new nurseries in both years of 2017-18 and 2018-19'. Plantation Management includes 'Maintenance of plantations that were created in 2017-18 or the previous years' and 'Creation of new plantations in both years of 2017-18 and 2018-19'. In all, 5 types of plantations were included, namely, Site-Specific Plantations (SSP), Assisted Natural Regeneration (ANR), Afforestation, Sal Coppice, and Apurugiya. Infrastructures & Road Development comprised activities like Anti-poaching Camps (APCs), Assam Type Barracks (ATBs), Forest Force Camps (FFCs), Forest Guard Quarters (FGQs), Forester Quarters (FQs), Range Officer Quarter (ROQs), Watch Towers (WTs), Roads and Elephant Proof Trenches (EPTs) constructed in years 2017-18 and 2018-19. Other Works included works of Training, Capacity Developments (TCD) and Staff Amenities (SAs) done in year 2017-18 and 2018-19. As per the terms of reference, 50% of the nurseries, 50% of the plantations, 100% of the infrastructure and roads and 50% of the other works were to be visited and evaluated.

The findings of the evaluation work under the aforementioned categories are summarized as follows:

**1. Nursery Management:** There were two types of nurseries included for evaluation based on their area, that is, 1.5 ha and 3 ha. A total of 68 nurseries of 1.5 ha area and 29 nurseries of 3 ha area including a 3-ha area nursery cum resource center, both for



creation and maintenance. Of which, 36 (52.94%) nurseries of 1.5 ha and 16 nurseries (55.17%) of 3 ha including a 3-ha nursery cum resource center were visited and evaluated.

## **2. Plantation Management:**

**(i) Site Coverage:** As per sampling,  $\geq 50\%$  of each type of plantations (that is, SSP, Afforestation, ANR, Sal Coppice, and Apurugiya) in all Forest divisions were covered. And at least 50% or more patches under each sampled plantation type was covered. A total of **36 SSP, 49 Afforestation, 7 ANR, 14 Sal Coppice, and 8 Apurugiya plantation** sites, including both maintenance and creation plantations of 2017-18 and 2018-19 periods, were to be evaluated as per the data provided by Assam State CAMPA. Of which, **25 SSP (69.44%), 41 Afforestation (83.67%), 7 ANR (100%), 10 Sal Coppice (71.42%), and 8 Apurugiya (100%)** plantation sites were visited and evaluated.

**(ii) Area Coverage:** Overall, the total areas under plantation schemes, namely **SSP, Afforestation, Sal Coppice, ANR, and Apurugiya plantations**, including both maintenance and creation plantations in the periods of 2017-18 and 2018-19, were found to be **2789.36 ha, 1971.5 ha, 825 ha, 300 ha, and 40 ha**, respectively. Of which, **1446.51 ha SSP, 1471.5 ha Afforestation, 408 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were visited and evaluated by the field team.

**A. Maintenance:** A total area of **2416.67 ha SSP** plantations were found to be maintained in both the periods of 2017-18 and 2018-19, including **2132.69 ha** in 2017-18 and **1429.25 ha** in 2018-19, respectively. Of which, a total of **1118.08 ha area of SSP plantations** was evaluated by the project team. Areas of **776.5 ha** and **1312 ha of Afforestation plantations** were found to be maintained 2017-18 and 2018-19 periods, respectively. However, only **46.5 ha area** of above-mentioned



Afforestation plantations was maintained, which was found to be created in the previous monitoring & evaluation period. Of which, **46.5 ha** area has been assessed by the project team. Similarly, areas of **225 ha** and **500 ha of Sal Coppice plantations** were found to be maintained in 2017-18 and 2018-19 periods, respectively, but only **25 ha area** of above-mentioned Sal coppice plantations was maintained, which was found to be created in the previous monitoring & evaluation period. In addition, areas of **50 ha** and **250 ha under ANR plantations** were found to be maintained in 2017-18 and 2018-19 periods, respectively, and area of **5 ha Apurugiya plantations** was maintained in the period 2018-19 only.

**B. Creation:** An area of **372.69 ha SSP plantations** was found to be created in the period of 2018-19 only. Of which, **328.43 ha area of SSP plantations** was evaluated. Similarly, **total areas of 1925 ha Afforestation, 800 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were found to be created, including both the periods of 2017-18 and 2018-19. Areas of **1010 ha** and **915 ha under Afforestation plantations, 475 ha** and **325 ha under Sal Coppice plantations, 50 ha** and **250 ha under ANR plantations, 20 ha** and **20 ha under Apurugiya plantations** were found to be created in 2017-18 and 2018-19 periods, respectively. In all, **1425 ha Afforestation, 408 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were covered and assessed.

As per the data provided by Assam State CAMPA, funds for only **advance work** was released for a total of **140 ha area under Afforestation plantations** in the period of 2017-18, which was created in the period of 2018-19, whereas fund for both **advance work and creation** for **25 ha area under Afforestation plantations** was released in the period of 2018-19. Similarly, funds for only **advance work** was released for a total of **275 ha area under ANR plantations** in the



period of 2017-18, which was created in the period of 2018-19, whereas fund for both **advance work and creation for 25 ha area under ANR plantations** was released in the period of 2018-19. On the other hand, funds for only **advance work** was released for a total of **375 ha area under Sal Coppice plantations** in the period of 2017-18, which was created in the period of 2018-19, but fund for both **advance work and creation for 50 ha area under Sal Coppice plantations** was released in the period of 2017-18. In addition, funds for **only advance work** was released for **50 ha area under ANR plantations** and **50 ha area under Sal Coppice plantations** in the period of 2017-18. However, it was informed that funds for creation of these plantations were released in the period of 2018-19. Of which, **50 ha area under ANR plantations** and **25 ha area under Sal Coppice plantations** were evaluated by the project team.

**3. Infrastructures & Road Development:** In all, 18 APCs (13 in 2017-18 and 5 in 2018-19), 18 ATBs (10 in 2017-18 and 8 in 2018-19), 2 FFCs (both in 2017-18), 16 FGQs (11 in 2017-18 and 5 in 2018-19), 15 FQs (10 in 2017-18 and 5 in 2018-19), 2 ROQs (both in 2018-19), and 3 WTs (all 3 in 2018-19) building and infrastructures were found in the data provided by Assam State CAMPA for monitoring and evaluation works. All these infrastructures were visited and evaluated, except for only 1 ATB in Digboi division. In addition, 85.5 km under Forest roads (52 km in 2017-18 and 33.5 in 2018-19) and 35 km under EPTs (in 2017-18 only) constructed were also to be evaluated. All the stretches of Forest roads and EPTs were visited and evaluated. Therefore, 98.65% of infrastructure buildings/activities and 100% of roads & EPTs activities were evaluated as part of M&E work.

**4. Other Works:** The details of 17 Trainings and Capacity Development activities (TCD) and 9 Staff amenities (SAs) were provided for evaluation. Of which, 11 TCDs (64.70%) and 4 SAs (44.44%) were evaluated. In totality, 54.57% of total 'other works' have been assessed & evaluated.



- E. The overall performance score of an activity is calculated as average of scores for various Key Performance Indicators (KPIs) assigned by the evaluation team during the field visits. Score for each KPI was recorded in the checklist, along with reasoning/justification for the score assigned to that activity. Each KPI was scored on the scale of 0-10, with 10 indicating “complete adherence to the CAMPA objectives & guidelines”, 0 indicating “No adherence to the CAMPA guidelines & Objectives”, and all other scores indicating a gradation in between as applicable. A master score matrix showing division-wise scores for various activities was prepared and used to draw findings in respect of performance under CAMPA at various levels.
- F. The final findings and overall scores from the assessment of all the activities under the State CAMPA were categorized and analyzed Division level and by activity wise.



**FIGURE 1. 3 HA NURSERY-CUM- RESOURCE CENTER, KHORAGHAT RANGE, PARBATJHORA DIVISION**



## 2. Introduction

Forest is an important land use in India, covering about 22% of total geographical area of the country (FSI). In addition to timber and non-timber forest products, it supports livelihoods of about 300 million tribal and forest-dependent populations. In a state like Assam, forests occupy 36.11 % geographical area of the State and the recent FSI survey (2019) has indicated a 0.79 % increase from the 2017 assessment. Forests provide several ecosystem services, such as fresh and clean air and water, environment protection, temperature regulation, and cultural services. Forests are also a source of most of the mineral resources required for national development. Many developmental activities such as erection of dams, mining, road, hydro/thermal power plants, irrigation projects, etc. require diversion of forest land. The Government of India enacted a Forest Conservation Act (FCA) in 1980 to put restriction on the diversion of forest land for non-forest purposes by the State/UT Governments. Any project proponent, whether Government or Private, is required to apply for forest clearance (prior approval) to the Ministry of Environment, Forests and Climate Change (MoEFCC) in the prescribed format giving required details including Project's cost-benefit analysis. The proposal is to be submitted through the Forest Department of the concerned State/UT government. Approval under FCA is given subject to compliance of conditions to mitigate the adverse impact of such non-forest uses, including payment for compensatory afforestation (CA) and Net Present Value (NPV) by the project proponent (user agency) for the forest area diverted. The honorable Supreme Court in December 1996 directed – ***“The term ‘forest land’ occurring in Section 2, will not only include ‘forest’ as understood in the dictionary sense, but also any area recorded as forest in the Government records irrespective of its ownership.”***

As a follow-up of the Honorable Supreme Court order of 30 October 2002, the Ministry of Environment and Forests constituted a Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in 2004 to manage all monies from user agencies for CA, NPV, etc. The law establishes the National Compensatory Afforestation Fund under the



Public Account of India, and a State Compensatory Afforestation Fund under the Public Account of each state. The National Fund will receive 10% of these funds, and the State Funds will receive the remaining 90%. A Compensatory Afforestation Fund (CAF) Act, 2016 was enacted by the center in 2016 and the related rules were notified in 2018.

### **2.1. Objective of CAMPA**

CAMPA is meant to promote afforestation and forest regeneration activities as a way of compensating for forest land diverted for non-forest purposes. The broad objectives of CAMPA are as follows:

- a.** Conservation, protection, regeneration, and management of existing natural forests
- b.** Conservation, protection and management of wildlife and its habitat within and outside protected area, including the consolidation of the protected areas
- c.** Compensatory afforestation
- d.** Environmental services, which includes
  - Provision of goods such as wood, non-timber forest products, fuel, fodder and water, and provision of services such as grazing, tourism, wildlife protection and life support.
  - Regulating services such as climate regulation, disease control, flood moderation, detoxification, carbon sequestration and health of soils, air, and water regimes
  - Non-material benefits obtained from ecosystems, spiritual, recreational, aesthetic, inspirational, educational, and symbolic; and
  - Supporting such other services necessary to produce ecosystem services, biodiversity, nutrient cycling, and primary production.
- e.** Research, training, and capacity building including promotion of voluntary movement of youth and students for supporting conservation activities initiated/ongoing in the State Forest Department.

The CAFs transferred to States are in addition to State Budget and are used as per the provisions of CAF Act and Rules. With increased focus on achieving Nationally Determined Contributions (NDCs), the MoEFCC expects states to utilize the CAMPA funds towards forestry activities that can help achieving objectives of NDC goal of creating



additional carbon sinks through increased forest and tree cover. In addition to this, the CAMPA funds can be used for treatment of catchment areas, assisted natural generation, forest management, wildlife protection and management, relocation of villages from protected areas, managing human-wildlife conflicts, training and awareness generation, establishment, up-gradation and maintenance of modern nurseries, establishment and upgradation of forest paths, construction of office buildings, supply of wood saving devices and allied forestry-related activities as mentioned in CAF Rules 2018.

## 2.2 Project Area

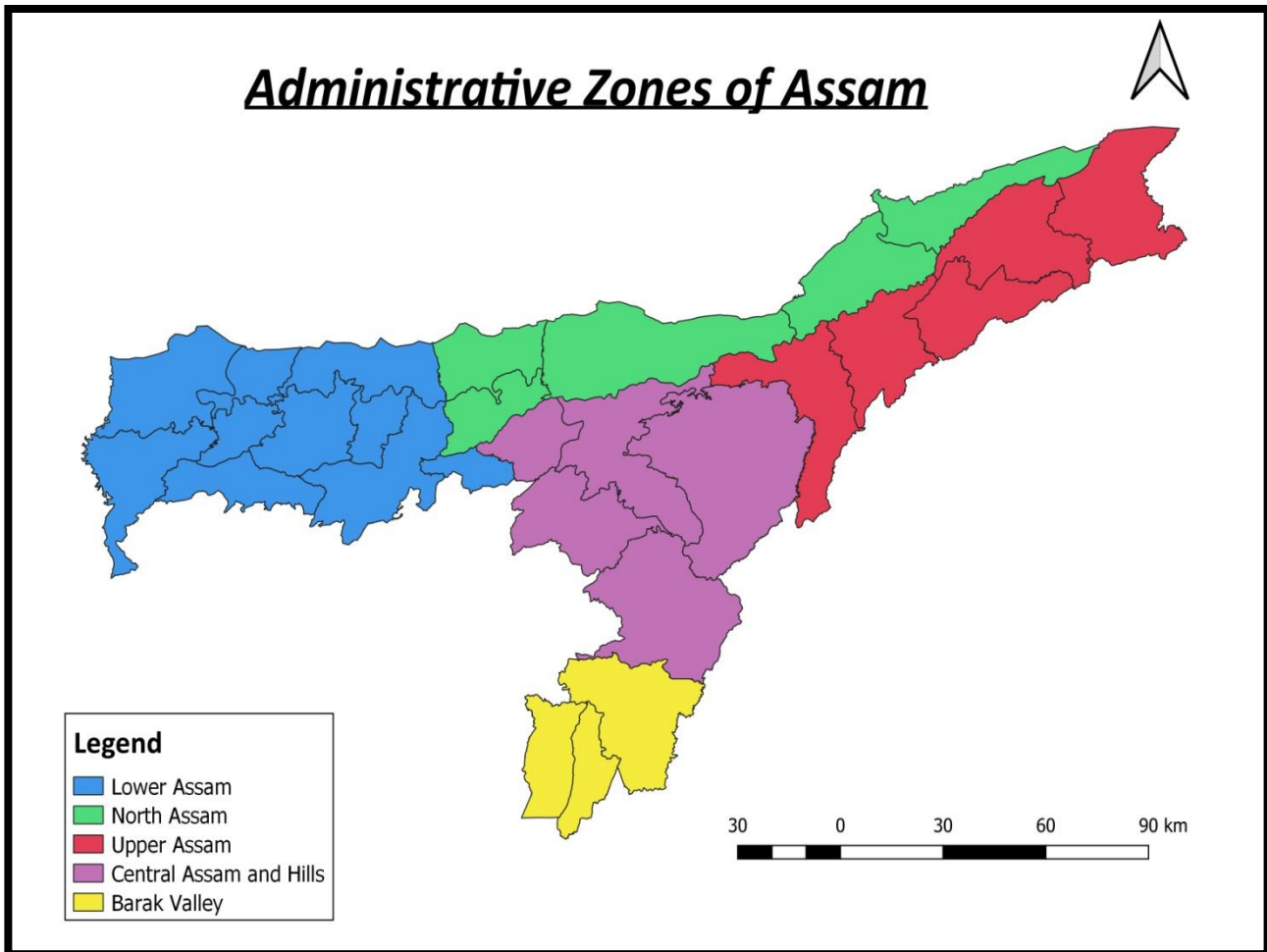
Assam, the second largest state in North Eastern India, is situated south of the Eastern Himalayas, along the Brahmaputra and Barak river valleys. The State lies between 24°07' N to 28°00' N latitude 89°42' E to 96°02' E longitude, with geographical area of 78,438 sq km, which is about 2.4% of the total geographical area of the country and it has a population of 31.21 million (Source: Census 2011). A land of enchanting aesthetic beauty with lush green hills, the State can be broadly divided into 3 physiographic domains, namely, Brahmaputra valley, Central Assam Hills (Mikir Hills in Karbi Anglong and North Cachar Hill districts) and Barak Valley, with international borders of Bhutan in North and Bangladesh in South.

As per the 2019 India State of Forest Report of FSI, the total forest cover of Assam is 28,327 sq. km., which is approximately 36.11% of the total geographical area of the state, whereas recorded forest area is 26,832 sq. km. The forest cover in the State has increased by 221.51 sq. km. as compared to previous assessment of 2017. The tree cover, which includes individual trees and patches less than 1 ha, has been found to be 1408 sq. km.

The State has subtropical climate and the annual rainfall ranges between 1,500 mm and 3,800 mm and the mean annual temperature varies from 5°C to 32°C. As per the Champion & Seth Classification of Forest Types (1968), the forests of Assam have been categorized into seven Forest Type Groups, namely, tropical wet evergreen forests, tropical semi-evergreen forests, tropical moist-deciduous forests, littoral and swamp forests, tropical dry deciduous forests, subtropical broadleaved hill forests, and subtropical pine forests.



The state of Assam has been divided into 5 administrative zones as Commissionaires, comprising 33 administrative civil districts. The map illustrated in **Figure 2** shows the five administrative zones of Assam, namely, the Upper Assam, Lower Assam, Central Assam & Hills, Northern Assam, and Barak Valley, which has been prepared using the data provided by the Environmental Systems Research Institute (ESRI) India.



**FIGURE 2: BASE MAP SHOWING ADMINISTRATIVE DIVISIONS OF ASSAM**



## 3. Methodology: Project Approach and Implementation

### 3.1 Project Brief

The key objective of this project was to monitor and evaluate various activities that were maintained or created with the funds provided under the CAMPA scheme by the Assam Forest Department in the periods of 2017-18 and 2018-19. Although the Agreement for the project was signed on **20 February 2020**, the deliverables for the project have been delayed because of the worldwide COVID-19 pandemic situation. The delay was kindly condoned by the Assam State CAMPA vide letter No.FG.27/CAMPA dated **03 July 2020** treating the delay as a force majeure. The Inception Report of the project was submitted on **20 July 2020**, which was resubmitted on **25 August 2020** after incorporating few changes recommended by the Assam State CAMPA. The Inception Report was accepted by the CEO of Assam State CAMPA on **10 September 2020**. The field work started after conducting orientation training on **22 September 2020** in Guwahati. Subsequently, the Interim Report of the project was submitted on **27 October 2020** to the Assam State CAMPA. The project team also delivered a PowerPoint presentation to the CEO, Assam State CAMPA which was attended by the PCCF & HOFF on **29 October 2020** after the Interim Report submission. The project team informed Assam State CAMPA about the various challenges and bottlenecks that project team faced during the evaluation work. The Assam State CAMPA provided clarifications on the matters discussed during the presentation and suggested project team to complete the field work as per the timelines. This is the final report that covers the broad methodology and approach followed by the project team for monitoring and evaluation (M&E) of the State CAMPA activities carried out in the periods of 2017-18 and 2018-19, along with the key findings, outcomes, and observations after assessment of the performances of the CAMPA activities at Division, Circle, and State levels. In addition to this, the project team also engaged professional drone operators and videographers to capture footage for CAMPA activities of 2017-18 and 2018-19.

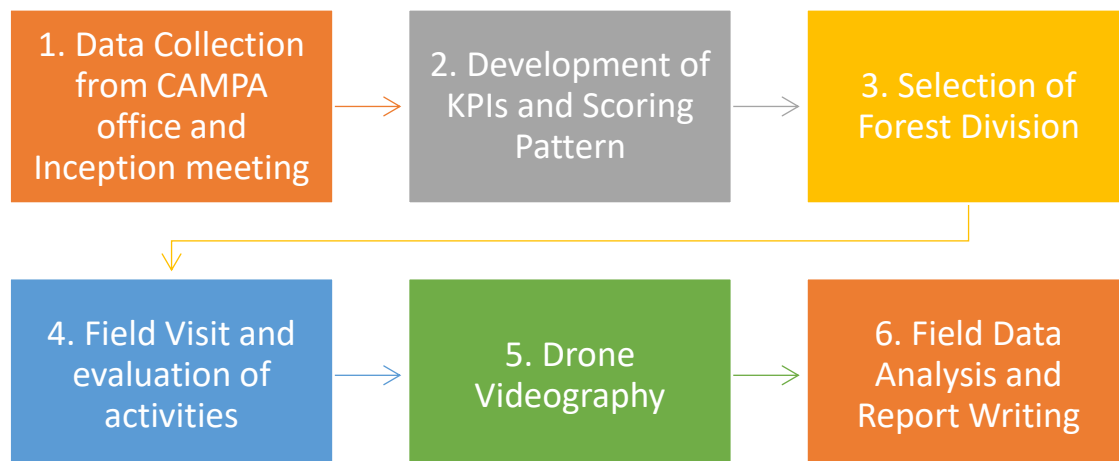


### 3.2. Project Scope

- The CAMPA activities under the Assam Forest Department were mainly classified into 4 major categories, namely, Nursery Management, Plantation Management, Infrastructures & Road Developments, and Other Works.
- Nursery Management constitutes of ‘Maintenance of nurseries that were created in 2017-18 or in the previous years’ and ‘Creation of new nurseries in both years of 2017-18 and 2018-19’.
- Plantation Management constitutes of ‘Maintenance of plantations that were created in 2017-18 or the previous years’ and ‘Creation of new plantations in both years of 2017-18 and 2018-19’. In all, 5 types of plantations were found, namely, Site-Specific Plantations (SSP), ANR, Afforestation, Sal Coppice, and Apurugiya.
- Infrastructures & Road Development comprised Anti-poaching Camps (APCs), Assam Type Barracks (ATBs), Forest Force Camps (FFCs), Forest Guard Quarters (FGQs), Forester Quarters (FQs), Range Officer Quarter (ROQs), Watch Towers (WTs), and roads & Elephant Proof Trenches (EPTs) constructed in years 2017 and 2018.
- Other Works included works of Training and Capacity Developments (TCD) & Staff Amenities (SAs) done in years 2017 and 2018.

### 3.3 Project Implementation

The Project implementation took place in six main stages, as illustrated and explained below:





### Stage 1: Data Collection and Meeting

The GIPL project team collected data for the CAMPA-funded activities that were maintained or created in the periods of 2017-18 and 2018-19 from Assam State CAMPA office of the Assam Forest Department. The project team then reviewed and compiled the data collected, and later sought clarifications on relevant queries that came up during the review process. In addition to this, a meeting was organized before the commencement of the project between the GIPL project team, which was led by Project Lead, Dr. Devendra Pandey (Retired IFS officer), and the Assam State CAMPA CEO Dr. Satyendra Singh, in the presence of GIPL CEO, Dr. Jagdish Kishwan, on **27 June 2020** to understand the project scope, timelines and challenges in view of COVID-19-related travel restrictions and lockdowns in State of Assam.

During the meeting, it was decided that GPS locations of all the CAMPA activities under the scope of monitoring and evaluation work will be collected by GIPL field team during the onsite visit and will be later cross verified with the GPS location data provided from the Assam State CAMPA in order to determine all the exact locations under the CAMPA scheme.

### Stage 2: Development of Key Performance Indicators and Scoring Pattern

The monitoring and evaluation work of CAMPA activities was carried out by using suitable performance indicators (qualitative or quantitative) developed for each category of CAMPA activity i.e., Plantations, Nursery, Infrastructure and Other works, taken up for assessment in order to effectively meet the aim and objective of the project. The performance indicators were developed in such a way that it also addressed environmental as well as socio-economic impacts of State CAMPA activities. The performance indicators selected for the various CAMPA activities are mentioned in **Table 1**.



**TABLE 1. PERFORMANCE INDICATORS FOR EVALUATION OF CAMPA ACTIVITIES**

S. No	Work/Activity	Performance indicator(s)*	Whether Qualitative/ Quantitative	Indicator Score (0 to 10)
<b>Nursery Management</b>				
1	Survival percentage	Qualitative/Quantitative		
2	Health Assessment	Qualitative		
3	Maintenance Assessment	Qualitative		
4	Sustainability	Qualitative		
5	Package of practice	Qualitative		
6	Physical target/achievement	Qualitative/Quantitative		
7	Financial target/achievement	Quantitative		
8	Stock utilization	Quantitative		
9	Damage of Saplings/Seedlings	Quantitative		
10	Training and capacity building of nursery staff	Qualitative/Quantitative		
11	Record keeping	Qualitative/Quantitative		
12	Protection mechanism	Qualitative/Quantitative		
<b>Plantation Management</b>				
1	Criteria for choice of Species	Qualitative/Quantitative		
2	Site suitability	Qualitative		
3	Field preparation	Qualitative		
4	Protection mechanism	Qualitative/Quantitative		
5	SMC activities	Qualitative/Quantitative		
6	Prevention against Illegal activities	Qualitative/Quantitative		



S. No	Work/Activity	Performance indicator(s)*	Whether Qualitative/ Quantitative	Indicator Score (0 to 10)
7	Survival rate	Quantitative		
8	Verification of records for selecting site	Qualitative/Quantitative		
9	Time of Plantation of saplings	Qualitative		
10	Cultural Operations	Qualitative		
11	Gap Planting	Qualitative		
12	Training and Capacity Building	Qualitative/Quantitative		
13	Record Keeping	Quantitative		
<b>Infrastructures&amp; Road Development</b>				
1	Physical target/achievement	Qualitative/Quantitative		
2	Financial target/achievement	Quantitative		
3	Plan, estimate and approval	Qualitative/Quantitative		
4	Material Testing	Qualitative/Quantitative		
<b>Other Works</b>				
1	Level of Training	Qualitative		
2	Objectives of Training	Quantitative		
3	Outcomes	Quantitative		
4	Physical target/achievement	Quantitative		
5	Financial target/achievement	Quantitative		
*The performance indicators are developed to best represent the performance of the activity under the Assam-CAMPA. The indicators have been further subjected to addition/removal based on the site-specific conditions or any changes suggested by the Assam-CAMPA authority.				



All the performance indicators developed for each category of CAMPA activity were listed in a Checklist template (**Annexure 1**), which was used by the field evaluators during the onsite field visit to score the performance indicators on the basis of implementation, completion, and quality of the CAMPA activity. Each performance indicator in the Checklist, specific to the category of CAMPA activity, was measured on a scale of 0-10. In addition, various sub-criteria were listed under each performance indicator in the Checklist. On the basis of the relative importance of each criterion, the total score 10 allotted to a performance indicator was distributed to each criterion under that. The average score of all the performance indicators was determined as the final score for the particular activity assessed. Similarly, the overall score of a particular Forest Division was determined by taking an average score of all activities and sites visited and evaluated in the Forest Division. The scores provided to different CAMPA activities assessed at the Forest Division level, also known as Program Implementation Unit (PIU), was then used to prepare a cumulative score matrix for each category of CAMPA activity, which included all the sampled and visited forest divisions of the State. The cumulative score matrix also determined the performance of CAMPA activities at Circle and State levels, the list of which is provided in **Table 2**.

**TABLE 2. SCORE MATRIX FOR CAMPA ACTIVITIES**

ACTIVITY CIRCLE	Nursery	Plantation	Infrastructures & Road Development	Other works	Overall Score of the Division	Cumulative average of the circle	Remarks
Central Assam Circle, Guwahati							
Lower Assam Social Forestry Circle, Bongaigaon							
Eastern Assam Circle, Jorhat							
Northern Assam Circle, Tezpur							



<b>ACTIVITY</b> <b>CIRCLE</b>	<b>Nursery</b>	<b>Plantation</b>	<b>Infrastructures &amp; Road Development</b>	<b>Other works</b>	<b>Overall Score of the Division</b>	<b>Cumulative average of the circle</b>	<b>Remarks</b>
<b>Bodoland Territorial Council, Kokrajhar</b>							
<b>Southern Assam Circle, Silchar</b>							
<b>Karbi Anglong Autonomous Council, Diphu</b>							
<b>Central Southern Assam Social Forestry Circle, Guwahati</b>							
<b>Upper Assam Social Forestry Circle, Nagaon</b>							
<b>Dima Hasao Autonomous Council, Haflong</b>							
<b>PCCF, Wildlife</b>							
<b>Research and Education</b>							
<b>Total Score</b>							

#### SCORING PATTERN

The field team evaluated the performance and execution work of the CAMPA activities against each performance indicator and sub-criteria in the Checklist and also assessed conformance with the State CAMPA norms and orders. On the basis of which, the scoring was done on a scale from 0 to 10 (0 indicating least compliance and 10 being the highest compliance score). The evaluation done by the field team was based on the objective evidence collected, onsite work execution, work quality, interview with the forest staff,



document review and onsite field verification of CAMPA activities. The final score of a particular activity was determined by calculating the average of the scores provided to all performance indicators under that activity.

### Stage 3: Selection of PIUs/Forest Divisions and Preparation for Field Work

For an efficient coverage of the entire project area, the project team prepared a detailed field plan in consultation with Assam State CAMPA to carry out physical inspection in different Forest Divisions of Assam. Four field teams, namely Team A, Team B, Team C, and Team D, were constituted to carry out the field visits, spreading over different administrative zones (Northern and Upper Assam, Lower Assam, in and around Guwahati and Central Assam and Barak Valley). All the teams efficiently conducted the assessment, on average 12-14 Forest Divisions in stipulated time. GPS locations of all the sites visited by the teams were recorded the checklists. Subsequently, few Forest Divisions were selected on random basis for recording drone videography.

#### *A. Selection of PIUs/Forest Divisions*

On the basis of the data provided by Assam State CAMPA office, the CAMPA-funded activities were carried out in a total of **56 Forest Divisions** distributed in **11 Circles** and **1 Training Institute** in the state. The details are mentioned in **Table 3**.

**TABLE 3. LIST OF CIRCLES AND DIVISION FOR MONITORING AND EVALUATION**

Circle	Division	Total Divisions in Each Circle
<b>1. Central Assam Circle (CAC), Guwahati</b>	Kamrup East	4
	Kamrup West	
	North Kamrup	
	Goalpara	
<b>2. Lower Assam Social Forestry (SF) Circle (LASFC), Bongaigaon</b>	Dhubri	5
	Goalpara S.F.	
	Bongaigaon S.F.	



Circle	Division	Total Divisions in Each Circle
	AIE Valley, Bongaigaon	
	Barpeta S.F.	
<b>3. Bodoland Territorial Council (BTC), Kokrajhar</b>	Parbatjhora	7
	Haltugaon, Kokrajhar	
	Kokrajhar S.F.	
	Kachugaon	
	Baksa	
	Chirang	
	Dhansiri	
<b>4. Central Southern Assam Social Forestry (CSASFC), Guwahati</b>	Guwahati S.F.	4
	Nalbari S.F.	
	Silchar S.F.	
	Karimganj S.F.	
<b>5. Southern Assam Circle (SAC), Silchar</b>	Hailakandi	3
	Karimganj	
	Cachar	
<b>6. Northern Assam Circle (NAC), Tezpur</b>	Nagaon	7
	Lakhimpur	
	Dhemaji	
	Nagaon South, Hojai	
	Central Assam Afforestation	
	Sonitpur West	
	Sonitpur East	
<b>7. Upper Assam Social Forestry Circle (UASFC), Nagaon</b>	Golaghat S.F.	6
	Lakhimpur S.F.	
	Sivasagar S.F.	



Circle	Division	Total Divisions in Each Circle
	Nagaon S.F.	
	Biswanath Chariali S.F.	
	Dibrugarh S.F.	
<b>8. Eastern Assam Circle (EAC), Jorhat</b>	Dibrugarh	6
	Doomdooma	
	Sivasagar	
	Golaghat	
	Digboi	
	Jorhat	
<b>9. Dima Hasao Autonomous Council (DHAC), Haflong</b>	Southern Afforestation, Haflong	3
	Dima Hasao West	
	Dima Hasao East	
<b>10. Karbi Anglong Autonomous Council (KAAC), Diphu</b>	Hamren	3
	Karbi Anglong East	
	Karbi Anglong West	
<b>11. PCCF, Wildlife</b>	Assam State Zoo	8
	Kaziranga National Park	
	Manas Tiger Reserve	
	Nagaon WL	
	Tinsukia WL	
	Kokrajhar WL	
	Guwahati WL	
	Chakrasila WL	
<b>12. Research &amp; Education</b>	Assam Forest School, Jalukbari	1
	<b>Total</b>	<b>56 Forest Divisions and 1 Training Institute</b>



*B. Selection of sites for the field visit as per the Terms of Reference (ToR)*

To evaluate various CAMPA activities and progress, performance and impacts of the schemes initiated by Assam State CAMPA in different Forest Divisions, following approach for site selection process was adopted (**Table 4**).

**TABLE 4. SAMPLING OF THE FOREST DIVISIONS AS PER THE TERMS OF REFERENCE (TOR)**

<b>CAMPA Activity</b>	<b>Site selection guidelines as per ToR</b>
Plantations	At least 50% of the sites under each plantation scheme All Forest Divisions to be covered
Nurseries	1.5 ha nurseries: 50% of the total number of nurseries 3.0 ha nurseries: 50% of the total number of nurseries
Infrastructures and Roads	100% (Forest Force, Anti-poaching camps, Barracks, etc.)
Other Works	50% of the total works
At the time of field visit, videography with aerial view of the works implemented shall be done as a part of Monitoring and Evaluation.	

On perusal of data, it was found that **nursery activities**, including both maintenance and creation, were carried out in a total of **47 Forest Divisions distributed in 11 circles**. **Maintenance of plantations** was observed in **31 Forest divisions distributed in 10 Circles** and **Creation of plantations** was observed in **29 Forest divisions distributed in 9 Circles**. Activities of **Infrastructure & Road Development** were observed in **23 Forest divisions distributed in 8 Circles for 2017-18 and 20 Forest divisions distributed in 8 Circles and the Research & Education Circle for 2018-19**. In addition, activities for **Other Works** were observed in a total of **22 Forest divisions distributed in 7 Circles and the Research & Education Circle** for both the periods of 2017-18 and 2018-19.

Based on the above data, the project team carried out planning to undertake M&E assessment in **49 PIUs (48 Forest divisions and 1 Training Institute)** on the basis of



sampling. The GPS coordinates for the sites and activity details were verified onsite and tallied with the data provided by the Assam State CAMPA.

### *C. Use of GPS*

The GPS coordinates of all the visited sites during the Monitoring & Evaluation work were recorded in the field checklists and tallied with the GPS co-ordinates received from the Assam State CAMPA. This was done to ensure accurate verification of the physical location of the CAMPA activities that were being visited by the field team. To ensure smooth and efficient execution of the task, our field evaluators were trained to use GPS devices by Project Lead, Dr. Devendra Pandey and Project Associate, Mr. Sidharth Borah before onset of field work. A hands-on training was provided to field evaluators, by taking them to the field and practical use was demonstrated during onsite field visit to in & around Guwahati area.

### *D. Project Planning and Field work*

The field visits for CAMPA M&E activities undertaken for the period of 2017-18 and 2018-19 were carried out by the four teams as mentioned earlier throughout **the selected 48 Forest divisions and 1 Training Institute** (after sampling of 56 forest divisions and 1 Training Institute) in different districts of Assam. The regional office of GICIA India Private Limited (GIPL) located at Guwahati was involved in the day-to-day planning, execution, and monitoring of activities. For efficient execution of Monitoring and Evaluation, GIPL deployed a core team of experienced resources, which was led by Former Director General, FSI & PCCF (HoFF), Arunachal Pradesh, and a renowned statistician Dr. Devendra Pandey, to manage and monitor the project activities involved in the Monitoring and Evaluation work of CAMPA activities in Assam. The focal point of contact for Dr. Devendra Pandey and all team members was Ms. Taruna Singh, Project Manager, and Mr. Ishaan Chahal, Project Officer. The coordination work in Guwahati Office, Assam, with the support of Head Office, was undertaken by Ms. Poree Buragohain, Senior Program Officer, and Mr. Sidharth Borah, Project Officer. In addition to this, it was planned to hire three retired Range Forest Officers (RFOs) and three PhD scholars with good field experience to carry out the field work and evaluation activities with support of core team.

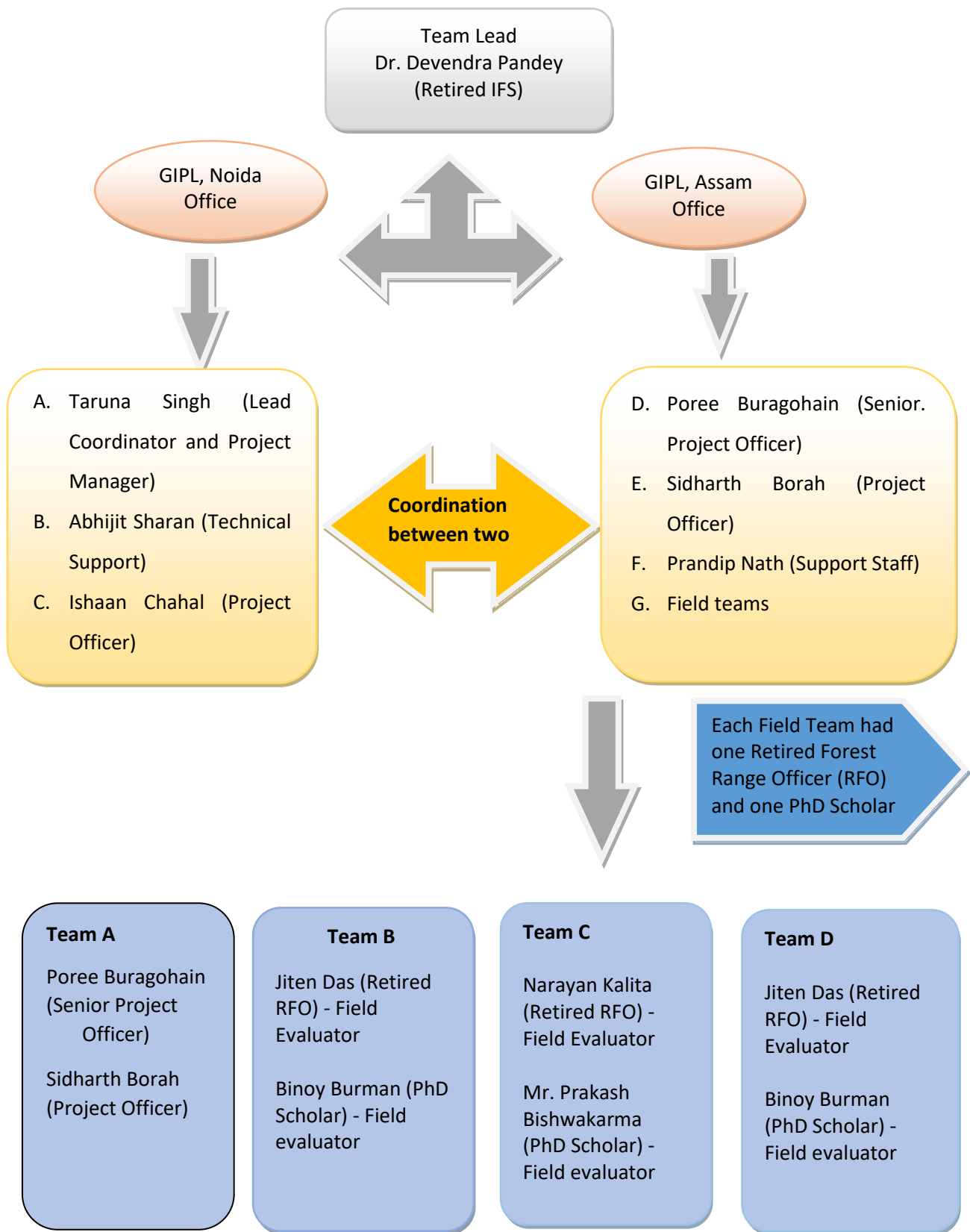


However, due to ongoing health risks and travel restrictions, only two RFOs and two PhD scholars were engaged for the field work.

The various CAMPA activities under the selected Forest Divisions were distributed among the four teams (Teams A, B, C, and D) to carry out the Monitoring and Evaluation work, as shown in **Table 5**. Each team had two field evaluators, one Retired RFO and one PhD scholar, except for Team A, which comprised one Senior Program Officer and one Project Officer of GIPL. Team A was assigned to carry out the field visits in Forest divisions located in & around Guwahati, whereas Teams B, C, and D were assigned to carry out field activities in Forest divisions located in Central Assam & Barak Valley, Lower Assam, and Upper & Northern Assam zones, respectively.

In addition to this, technical services from GIPL office, Noida and support services of Mr. Prandip Nath from GIPL office, Guwahati, were used from time to time. The detailed composition of Project team members has been shown in **Figure 3**.





**FIGURE 3. TEAM COMPOSITION FOR CAMPA M&E 2017-18 AND 2018-19**



### *E. Training of Survey Team*

A one-day training session was organized for all the field evaluators, along with other members of the project on **22 September 2020** in Guwahati. The training was organized at GIPL, Guwahati Office, where all the field evaluators were present. Project Lead, Dr. Devendra Pandey and Project Manager, Ms. Taruna Singh were the resource persons who explained and guided in online mode. The field evaluators were explained thoroughly each indicator of the checklist and subsequent verification of each indicator and giving scoring based on the performance of the site. Classroom training was followed by field visits in divisions located in & around Guwahati where the field evaluators were given a practical exposure to the evaluation methodology. During field evaluation, each team was using a GPS device to take coordinates of all the sites that were visited for monitoring and evaluation of CAMPA activities. These coordinates were then verified against the data of GPS co-ordinates that had been provided by the Assam State CAMPA to ensure accurate verification of the location. For this, a small practical hands-on training was provided to the field evaluators by Mr. Sidharth Borah, Project Associate, at Guwahati office for proper use of GPS in the field at the time of classroom training session. Following topics were covered as part of the agenda of the training:

- Introduction to CAMPA, Project briefing, Aim & Objectives, etc.
- Evaluation Methodology
- Introduction to GPS handling
- Hands-on training for GPS handling
- Briefing on general guidelines to be followed during field visits, code of conduct, Do's & Don'ts, etc. especially in view of the Covid-19 pandemic.

#### Stage 4: Delegating of Forest Divisions to Field Team

After consultation with Assam State CAMPA and keeping in mind travel constraints and health related risks due to COVID-19 pandemic and monsoon season, a field visit plan was chalked out (**Annexure 2**). Each team was allocated forest divisions zone wise to carry out the field visits. **All the selected 49 PIUs (48 Forest Divisions and 1 Training Institute)**



were allocated to the four teams and all the activities of that division were covered by the team. A list of Forest Divisions visited by different teams is mentioned in **Table 5**.

**TABLE 5. LIST OF FOREST DIVISIONS ASSIGNED TO EACH TEAM**

Sl. No.	Team A Divisions in & around Guwahati	Team B Divisions in & around Central Assam & Hills and Barak Valley	Team C Divisions in Lower Assam	Team D Divisions in Upper Assam
1	Assam State Zoo	Hailakandi	Goalpara	Golaghat S.F.
2	Kamrup East	Karimganj	Dhubri	Lakhimpur S.F.
3	Kamrup West	Cachar	Goalpara S.F.	Sivasagar S.F.
4	North Kamrup	Dima Hasao East	Bongaigaon S.F.	Nagaon S.F.
5	Guwahati S.F.	Dima Hasao West	AIE Valley, Bongaigaon	Nagaon
6	Guwahati WL	Southern Afforestation, Haflong	Parbatjhora	Dibrugarh
7	Assam Forest School, Jalukbari	Hamren	Haltugaon	Doomdooma
8		Northern Afforestation	Kokrajhar S.F.	Sivasagar
9		Nagaon South, Hojai	Kachugaon	Golaghat
10		Silchar S.F.	Baksa	Digboi
11		Karimganj S.F.	Dhansiri	Jorhat
12			Manas Tiger Reserve	Kaziranga National Park
13			Chakrasila WL	Tinsukia WL
14				Lakhimpur
15				Dhemaji



Sl. No.	Team A Divisions in & around Guwahati	Team B Divisions in & around Central Assam & Hills and Barak Valley	Team C Divisions in Lower Assam	Team D Divisions in Upper Assam
16				Sonitpur West
17				Sonitpur East
18				Nagaon (PCCF)

**Note:** The Forest Divisions were allocated to survey teams based on the travel itinerary, distance between Forest divisions and field plan. For example, Nagaon South Division, Hojai was covered by Team B (Central Assam & Hills and Barak Valley Zone) rather than Team D, covering upper and northern Assam zone, as it was on route to divisions to be covered by Team B. Similarly, Silchar S.F. and Karimganj S.F. were covered by Team B (Central Assam Zone). The Upper Assam and the Northern Assam divisions were combined as all the divisions were on the same travel route during the field assessment.

#### Stage 5: Drone Videography

As per the ToR of the CAMPA monitoring and evaluation, drone videography of selected Forest divisions of the Assam was carried out. The project team engaged two drone videographers who completed the aerial videography in all the four project zones, (i) Upper & Northern Assam, (ii) Lower Assam, (iii) In & around Guwahati and (iv) Central Assam & Hills and Barak Valley. Please refer section 4.7 for more information.

#### Stage 6: Data Compilation & Analysis

Data and information gathered by the field evaluators in the checklists were compiled in the form of an excel sheet. Simple average technique was implemented in calculating the overall scores, at divisional, state, and activity levels. In terms of activities, overall scores of nursery management, infrastructures & other works were generated using the simple average algorithm. However, in terms of plantation maintenance as well as new creation, weighted average technique was adopted. The team has used charts/graphs to depict the results of data analysis for each CAMPA activity.



### 3.4 Evaluation Criteria

#### A. Nursery Management

The main performance indicators developed to evaluate under Nursery Management, along with and their assessing techniques, were as follows:

- **Survival percent:** Survival per cent was assessed based on the number of surviving plants in the poly bags divided by no of poly bags in randomly selected beds
- **Health of plants:** Health of the plants was assessed based on the physical attributes like growth, height, and number of leaves per plant, spacing between the saplings, rooting stretching outside the poly bag, pest, and pathogenic attack
- **Maintenance:** Drainage/watering system, Protection mechanism- Greenhouse/Sheds etc., status of weeding, Maintenance of the paths & roads within the nursery, use of organic manure and fertilizers and Nature of containers/pots were the attributes to assess the maintenance of the nursery
- **Sustainability:** Production of seedlings as per stated norms & guidelines and percentage of seedling planted on-site or distributed to the public as per norms/guidelines in addition to remaining stock of seedling in the nursery were the attributes to assess the sustainability
- **Package of practices:** Compliance with the CAMPA guidelines & norms as directed by the Assam State CAMPA, Sourcing of planting material (wild seedling, plus tree, soil media composition, application of fertilisers and pesticides as per the norms, transportation of seedlings as per the norms)
- **Physical target/ achievement:** Verified the documents and the norms
- **Financial target/ achievement:** Based on the utilization certificate and sanction letters
- **Stock utilization:** Is based on the nursery stock register and distribution register
- **Damage of saplings:** Based on the entries in plantation journal or any other register/ documents produced to the DFO with respect to the damage
- **Training and capacity building of nursery staff:** Interaction with nursery staff to judge their level of knowledge, No. of Training / workshop on capacity building based on the availability of Training records/documents



- **Record keeping (list of records verified under the section):** Overall record keeping activity, Safe storage and efficient management of the records, Following Guidelines issued from Assam Forest department & HOFF Office
- **Protection mechanism:** Maintenance of boundary and fencing of nursery, Status of watch and ward round the clock, Measures taken to protect against wild/other animals were the main indicators

#### B. Plantation Management

The main performance indicators developed to assess Plantation Management were as follows:

- **Criteria for selection of site:** Based on the CAMPA objectives like land converted for infrastructural building, irrigational projects, or evacuation of *Jhum cultivation*, which was verified by the documents or interacting with front line staff of forest department
- **Criteria for choice of species:** Species suitability to the site conditions, selection of indigenous species/ suitability to the local people, able to withstand severe competition with weeds and environmental distress, should be possibly fast growing and high yielding were the indicators
- **Site suitability:** Compliance of the type of plantation with the management plan/guidelines/norm of the State CAMPA, and soil, moisture and climate conditions of the site to support the growth of species, were the indicators
- **Field preparation:** Verification of the plantation site with GPS, field preparation activities, like advance works, preparation of land by digging and soil work, removal of weeds and if required controlled slash burning, mainly through plantation journal and other records. Verification of construction works for soil moisture conservation, spacing and demarcating of pits especially in case of new plantations, physically and with documents
- **Cultural operation:** All tending operations were verified with plantation register – period during which they were undertaken and completed were verified in the field
- **Gap planting:** Verified with plantation journal and field verification about the percentage of gap planting

- **Survival rate:** Number of plants survived per row divided by number of plants to be existed based on pit count in random rows. This is in case of SSP and Apurugiya. No of plants/trees survived in quadrates laid in case of ANR and Sal coppice. Verified the number of saplings planted based on the norms
- **Time of planting of saplings:** Verified based on local norms and local practises keeping in mind the climate and Verified based on records like plantation journal and register
- **Protection mechanism:** Condition of fencing around the plantation as per plan, availability of maintained camp huts for watchers, biotic interferences during the time of evaluation like grazing, illegal felling, encroachment or for Jhum cultivation
- **SMC activities:** Drainage line treatment, verification through plantation journal or MB book and verifying in field as per the norms, erosion-control measures, maintenance of water tanks or streams, if any, within the plantation site
- **Illegal activities:** Interviewed the field staff about level to biotic interference in plantation area, physically observations, the marks of illegal activity including encroachment in the site, Availability of watch guards
- **Record Keeping:** Safe storage and maintenance of the official records, time-to-time updating of records, verification of records & documents at Divisional level, Range level and plantation level
- **Training and capacity building of plantation staff and workers:** Interaction with nursery staff to judge their level of knowledge, number of training/workshop(s) on capacity building based on the availability of training records/documents

### C. Infrastructure & Road Development

The key performance indicators developed to carry out assessment under Infrastructures & Road Developments were as follows.

- **Plan Estimate and approval:** Assessed based on the sanction/approval orders
- **Testing of soil, building material:** Assessed based on the records
- **Physical target/ achievement:** Based on the verification of the records maintained, physical measurement of the building & road dimensions and tallying with the plan and design



- **Financial target/ achievement:** Based on the verification of the sanction letter and utilization certificate

#### D. Other Works

The key performance indicators that were used to assess the completion and effectiveness of works such as TCDs and SAs were as follows:

- **Level of trainings:** Assessed based on records & official documents
- **Objectives of trainings:** Assessed based on the records & official documents
- **Outcomes:** Assessed based on the level of knowledge of the staff, judgement based on interview, Assessment based on the records & official documents like training records, pictures, Minutes of the meeting records, etc.
- **Financial target/achievement:** Assessed based on the verification of the sanction letter and expenditure booked

### 3.5 Analysis of Scores

The scores for all CAMPA activities evaluated were compiled in a master score matrix for easy analysis and representation. While analyzing the scores, to draw the findings about performance of CAMPA activities, activities under all the four main categories, namely Nursery Management, Plantation Management, Infrastructures & Road Development, and Other works were given equal weightage for convenience and ease of analysis. Under Nursery Management, both type of nurseries, that is 1.5 ha and 3 ha nurseries, were considered for evaluation. Under Plantation, scores of all the five types of plantations, namely SSP, Afforestation, Sal Coppice, ANR, and Apurugiya were taken into consideration. Under Infrastructure category, buildings such as APCs, ATBs, FFCs, FGQs, FQs, RFOQs, and WTs, and improvement and maintenance of roads and EPTs were considered were evaluation work. Lastly, under Other Works, works of TCDs and SAs were included for the evaluation purposes.

#### 3.5.1 Computing Score for Sampled Sites and CAMPA Activities

The field team used the checklist prepared for each category of CAMPA activity to evaluate and score the CAMPA activities against the pre-defined performance indicators.

The total score for one CAMPA activity or site was computed as average of scores assigned to individual performance indicators. The field team verified and collected relevant records and documents as evidence to support and justify the score allotted.

### 3.5.2 Computation of Divisional Performance Score for Various Activities

The scores of individual categories of activities were used to compute the performance score for the various activities (Plantation creation, Plantation maintenance, Nursery, Infrastructure, Other works) at the Forest Division level. For example, for computing total score of Infrastructure activities in a Forest Division, team calculated an average score of all Infrastructure activities in the forest division using the formula:

**Avg = (Sum of Score of individual Infrastructure activity in a division)/Total number of infrastructure activities in a Forest Division).**

However, in the case of plantations (both maintenance and creation), weighted average method was used as explained in table below:

<b>Plantation (Creation) in a Division (name)</b>		
<b>All categories of new plantations raised in the Division during the assessment period</b>		
Area of various categories of plantation new creation taken up in the division	Performance score of sample sites	Overall score of the division
A1	S1	Performance score for “Plantation New Creation” [(A1*S1) +(A2*S2) +A3*S3+A4*S4] * (A1+A2+A3+A4) <sup>-1</sup>
A2	S2	
A3	S2	
A4	S4	

### 3.5.3 Computation of Performance Score for Various Activities at State/Circle Level

Performance score for an activity at State/Circle level was computed from Divisional performance score in respect of that activity in the State/Circle computed by simple average method as explained in the above section.



In respect of plantations, where varying areas have been taken up in different Divisions, weighted average method was used [Score at State/Circle level =  $\text{Sum (Ai*Si)} / \text{Sum (Ai)}$ ], where Ai is the plantation area in a division and Si is the performance score of plantation activity in that Division].

#### 3.5.4 Computation of Overall Performance Score of Division

The overall performance score of a Division under CAMPA was computed as simple average of the performance of various activities taken up in that Division.

#### 3.5.5 Computation of Overall Performance Score at State/Circle Level

The overall performance score under CAMPA at State/Circle level was computed as simple average of the performance scores of activities taken up in all the divisions in the State.

## **4. Findings & Discussion**

### 4.1 Abstract of Assessment Coverage Vis-à-Vis ToR

Complying with the guidelines mentioned in the ToR, no deviation has been observed in terms of sampling of Nurseries, Plantations, and Other Works, whereas a slight deviation was found in infrastructures under Infrastructures & Road Developments in the coverage of field activities by field evaluators. The details of assessment coverage of CAMPA activities as per ToR have been mentioned in **Table 6**. In all, **52.94% of 1.5 ha nurseries** and **55.17 % of 3 ha nurseries/3 ha nursery cum resource center** was evaluated under the category of Nursery Management, including nurseries under maintained and created category in the periods of 2017-18 and 2018-19.

Under the category Plantation Management, including maintained and created plantations, **69.44% of SSP, 83.67% of Afforestation, 100% of ANR, 71.42% of Sal coppice**, and **100% of Apurugiya plantations** were evaluated onsite.

In addition, **98.65% of infrastructure buildings** and **100% of roads & EPTs**, which included constructions in both the periods of 2017-18 and 2018-19, were visited and evaluated under the category of Infrastructures & Road Development. For Other Works category, **64.70% of TCDs** and **44.44% of SAs** were assessed. In totality, **54.57%** of total 'other works' have been assessed & evaluated.

**TABLE 6. ASSESSMENT COVERAGE VIS-À-VIS TOR**

S.No.	Activities	Assessment as per ToR	Assessment coverage/Deviation of project with respect to ToR
1.	<b>Nurseries</b>	To cover 50% of the total number of nurseries for 1.5 ha nurseries	No deviation. Covered 52.94% of 1.5 ha nurseries
		To cover 50% of the total number of nurseries for 3.0 ha nurseries	No deviation. Covered 55.17% of 3 ha nurseries
2.	<b>Plantations</b>	To cover all Forest divisions	No deviation. 100 % forest divisions were covered
		To cover at least 50% of the sites under each plantation scheme	No deviation. Covered 69.44% of SSP plantations, 100% of both ANR and Apurugiya plantations, 83.67% of Afforestation plantations, and 71.42% of Sal Coppice plantations
3.	<b>Infrastructures &amp; Road Developments</b>		
	i.Buildings	To cover 100% of infrastructure and buildings, including forest force, anti-poaching camps and barracks etc.	Slight deviation, 98.65% coverage
	ii.Roads	To cover 100% of road construction	No deviation, 100% coverage
	iii.Elephant Proof Trench	To cover 100 % of Elephant Proof Trenches	No deviation, 100% coverage



S.No.	Activities	Assessment as per ToR	Assessment coverage/Deviation of project with respect to ToR
4.	<b>Other Works</b>	To cover 50% of total 'other works'.	No deviation. Covered 54.57% of total 'Other works.
5.	<b>Drone Videography</b>	At the time of field visit, videography with aerial view of the works implemented shall be done as a part of Monitoring and Evaluation	No deviation, aerial drone videography coverage was done in selected Field Divisions. Also, photos and videos of all Forest divisions visited were collected by the field team.

#### 4.2 Assessment Coverage of Sampled Sites

Sample sites of various activities were selected for the M&E work as per the instructions in the ToR and agreed methodology described and presented to Assam State CAMPA in the Inception and Interim report. A brief of overall sampling and coverage of assessment is given in **Table 7**.

**TABLE 7. SAMPLING OF THE ACTIVITIES AND THE PER CENT COVERAGE**

Sl. No.	Activity	Category	Unit	Number of sample sites covered	Total of CAMPA works	Sampling per cent
	(A)	(B)	(C)	(D)	(E)	(D/E) *100
1.	<b>Plantation</b> (includes both creation and maintenance)	SSP	Ha	25	36	<b>69.44</b>
		Afforestation	Ha	41	49	<b>83.67</b>
		ANR	Ha	07	07	<b>100.00</b>
		Sal Coppice	Ha	10	14	<b>71.42</b>
		Apurugiya	Ha	08	08	<b>100.00</b>
2.	<b>Nursery</b>	1.5 ha nursery	No.	36	68 <sup>a</sup>	<b>52.94</b>
		3.0 ha nursery	No.	16	29 <sup>a</sup>	<b>55.17</b>
3.	<b>Infrastructure</b>					
	<b>Building</b>	ROQ	No.	2	2	<b>100.00</b>

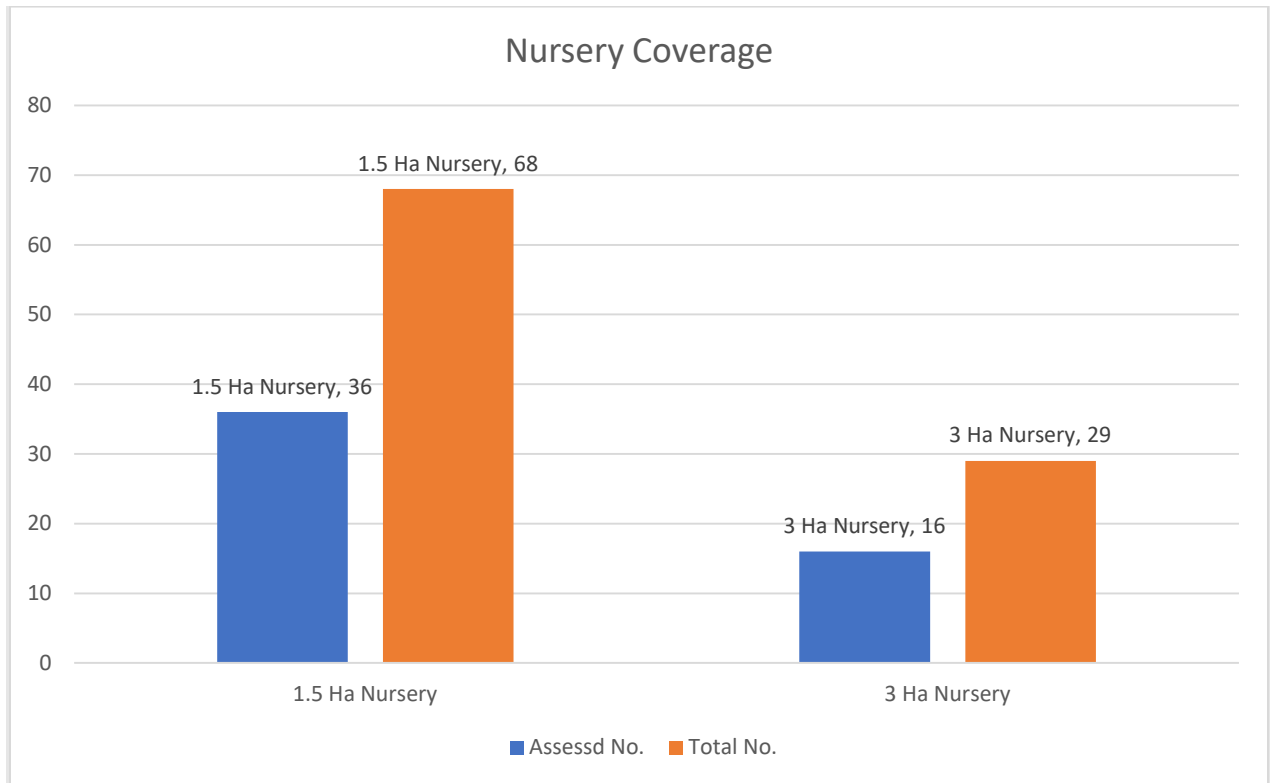
Sl. No.	Activity	Category	Unit	Number of sample sites covered	Total of CAMPA works	Sampling per cent
	(A)	(B)	(C)	(D)	(E)	(D/E) *100
	<b>construction</b>	FQ	No.	15	15	<b>100.00</b>
		FGQ	No.	16	16	<b>100.00</b>
		ATB	No.	17	18	<b>94.44</b>
		FFC	No.	2	2	<b>100.00</b>
		APC	No.	18	18	<b>100.00</b>
		WT	No.	3	3	<b>100.00</b>
	<b>Total</b>					<b>98.65</b>
	<b>EPT</b>	Creation of EPT	km	35	35	<b>100.00</b>
<b>Roads</b>	Improvement and Maintenance	km	85.5	85.5 <sup>b</sup>	<b>100.00</b>	
<b>4</b>	<b>Other Works</b>					
	<b>TCD</b>		No.	11	17	<b>64.70</b>
	<b>SA</b>		No.	04	09	<b>44.44</b>
<sup>a</sup> Out of the <b>68 nurseries of 1.5 ha area, 47 were continued and 21 were abandoned/discontinued nurseries.</b> Out of the <b>29 nurseries of 3 ha area, 22 were continued and 7 were abandoned/discontinued nurseries.</b> <sup>b</sup> Forest road in Jorhat division has been considered to be 33.5 km instead of 37 km, as per data provided by State CAMPA, because only 33.5 km of forest road spread in different stretches was found during field visit. <b>Abbreviations:</b> ANR: Assisted Natural Regeneration; APC: Anti-Poaching Camp; ATB: Assam Type Barrack; EPT: Elephant Proof Trench; FFC: Forest Force Camp; FGQ: Forest Guard Quarter; FQ: Forester Quarter; ROQ: Range Officer Quarter; SA: Staff Amenity; SSP: Site-Specific Plantation; TCD: Training and Capacity Development.						

#### 4.2.1 Nursery Management:

The nurseries included for evaluation under Assam State CAMPA were of two types based on their area, that is, 1.5 ha and 3 ha. A total of **68 nurseries of 1.5 ha area and 29 nurseries of 3 ha area/3 ha area nursery cum resource center**, including both creation and maintenance, were found for evaluation as per the data provided to us. Of which, **36 (52.94%) and 16 nurseries (55.17%) under 1.5 and 3 ha/3 ha nursery cum resource**



**center category, respectively**, were visited and evaluated by the field evaluators, as represented in **Figure 4**.



**FIGURE 4. NURSERY COVERAGE**

It is to be noted that as per the data provided by Assam State CAMPA, **out of the 68 nurseries of 1.5 ha area, 47 were continued and 21 were abandoned/discontinued nurseries** because of non-availability of funds. Similarly, out of the total **29 nurseries of 3 ha area, 22 were continued and 7 were abandoned/discontinued nurseries** because of non-availability of funds. The reason of non-availability of funds was intimated by the Assam SFD to the project team after submission of Interim report (**Annexure 3**). Overall, **28 nurseries**, including both 1.5 ha and 3 ha nurseries were found to be abandoned/discontinued, of which 2 were abandoned/discontinued in 2018-19 and the remaining were abandoned/discontinued in 2019-20.

As per the ToR, the project team was supposed to sample at least 50% of each type of nursery i.e., 3 ha and 1.5 ha nurseries. Hence, the project team sampled and selected 36 nurseries of 1.5 ha areas and 29 nurseries of 3 ha area for M&E work. Out of the 36

nurseries of 1.5 ha area that were assessed by field evaluators, **30 were continued and 6 were abandoned/discontinued nurseries**. Similarly, out of the **16** nurseries of 3 ha area that were assessed by field evaluators, **13 were continued and 3 were abandoned/discontinued nurseries**. The list of discontinued nurseries that were assessed by field evaluators has been mentioned in **Table 8**.

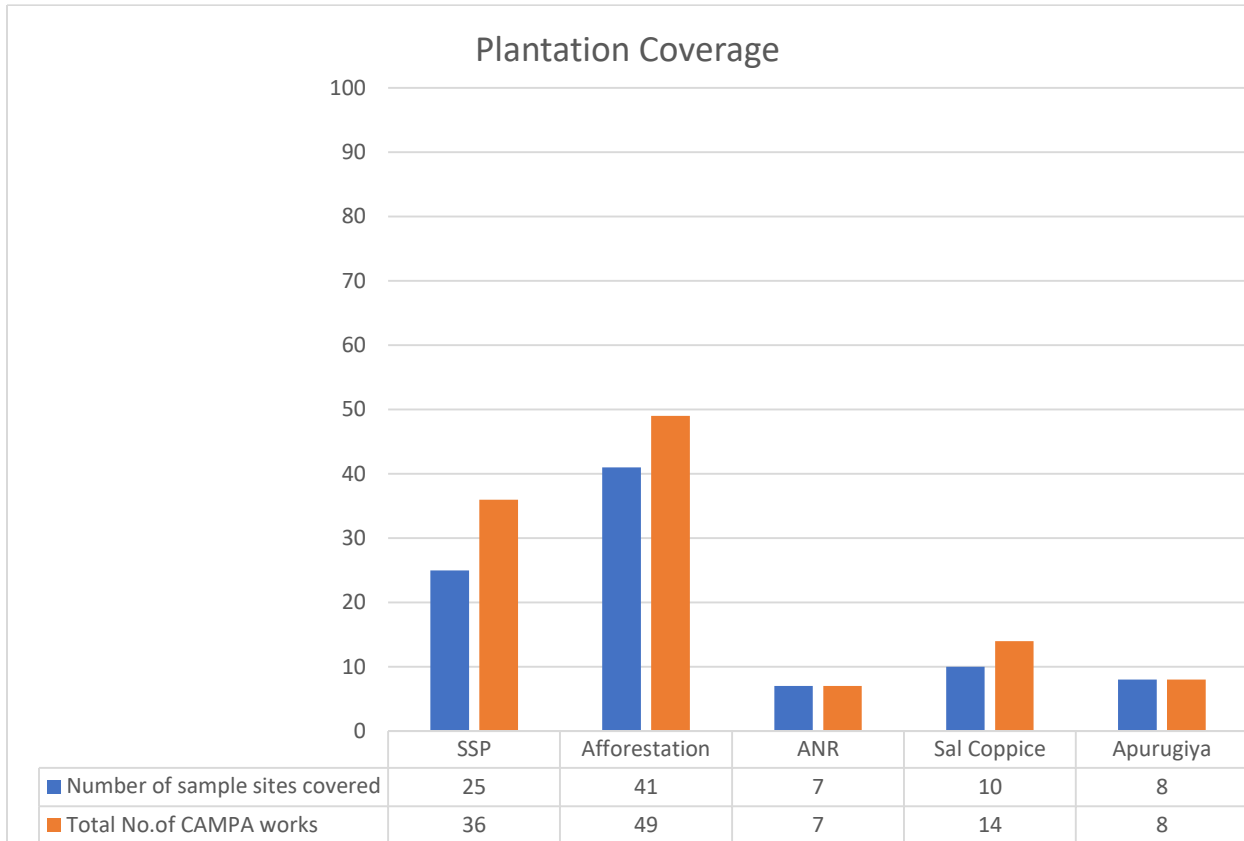
**TABLE 8. LIST OF DISCONTINUED NURSERIES THAT WERE ASSESSED**

Sl. No.	Area	Location
1	1.5 ha	Bamunigaon range, Kamrup West
2	1.5 ha	Lalmati, JV range, Nagaon South division
3	1.5 ha	Doomdooma division
4	1.5 ha	Matijuri range, Hailakandi division
5	1.5 ha	Donkmukam range, Hamren division
6	1.5 ha	Udharbond range, Silchar SF division
7	3 ha nursery cum resource center	Juriadolong, Golaghat division
8	3 ha	Srigram, Dhubri
9	3 ha	Loharbond beat, Hailakandi division

#### 4.2.2 Plantation Management:

As per sampling,  $\geq 50\%$  of each type of plantations (that is, SSP, Afforestation, ANR, Sal Coppice, and Apurugiya) in all Forest divisions were covered. And at least 50% or more patches under each sampled plantation type was covered. A **total of 36 SSP, 49 Afforestation, 7 ANR, 14 Sal Coppice, and 8 Apurugiya plantation sites**, including both maintenance and creation plantations of 2017-18 and 2018-19 periods, were found for evaluation as per the data provided by Assam State CAMPA. Of which, **25 SSP (69.44%), 41 Afforestation (83.67%), 7 ANR (100%), 10 Sal Coppice (71.42%), and 8 Apurugiya (100%) plantation sites** were covered by field evaluators during field visit. The graphical representation of the total and assessed plantation sites has been shown in **Figure 5**.





**FIGURE 5. PLANTATION COVERAGE**

Overall, the total areas under plantation schemes, namely **SSP, Afforestation, Sal Coppice, ANR, and Apurugiya plantations**, including both maintenance and creation plantations in the periods of 2017-18 and 2018-19, were found to be **2789.36 ha, 1971.5ha, 825 ha, 300 ha, and 40 ha**, respectively. Of which, **1446.51 ha SSP, 1471.5 ha Afforestation, 408 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were visited and evaluated by the field team. The complete details of area coverage of plantations have been mentioned in **Table 9**.

**1) Maintenance:**

A **total area of 2416.67 ha SSP** plantations were found to be maintained in both the periods of 2017-18 and 2018-19, including **2132.69 ha** in 2017-18 and **1429.25 ha** in 2018-19, respectively. Of which, a total of **1118.08 ha area of SSP plantations** was evaluated by the project team. Areas of **776.5 ha** and **1312 ha of Afforestation plantations** were found to be maintained 2017-18 and 2018-19 periods, respectively.

However, only **46.5 ha area** of above-mentioned Afforestation plantations was maintained, which was found to be created in the previous monitoring & evaluation period. Of which, **46.5 ha area** has been assessed by the project team. Similarly, areas of **225 ha** and **500 ha of Sal Coppice plantations** were found to be maintained in 2017-18 and 2018-19 periods, respectively, but only **25 ha area** of above-mentioned Sal coppice plantations was maintained, which was found to be created in the previous monitoring & evaluation period. In addition, areas of **50 ha** and **250 ha under ANR plantations** were found to be maintained in 2017-18 and 2018-19 periods, respectively, and area of **5 ha Apurugiya plantations** was maintained in the period 2018-19 only.

## 2) Creation:

An area of **372.69 ha SSP plantations** was found to be created in the period of 2018-19 only. Of which, **328.43 ha area of SSP plantations** was evaluated. Similarly, **total areas of 1925 ha Afforestation, 800 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were found to be created, including both the periods of 2017-18 and 2018-19. Areas of **1010 ha** and **915 ha under Afforestation plantations, 475 ha** and **325 ha under Sal Coppice plantations, 50 ha** and **250 ha under ANR plantations, 20 ha** and **20 ha under Apurugiya plantations** were found to be created in 2017-18 and 2018-19 periods, respectively. In all, **1425 ha Afforestation, 408 ha Sal Coppice, 300 ha ANR, and 40 ha Apurugiya plantations** were covered and assessed.

As per the data provided by Assam State CAMPA, funds for only **advance work** was released for a total of **140 ha area under Afforestation plantations** in the period of 2017-18, which was created in the period of 2018-19, whereas fund for both **advance work and creation** for **25 ha area under Afforestation plantations** was released in the period of 2018-19. Similarly, funds for only **advance work** was released for a total of **275 ha area under ANR plantations** in the period of 2017-18, which was created in the period of 2018-19, whereas fund for both **advance work and creation** for **25 ha area under ANR plantations** was released in the period of 2018-19. On the other hand, funds for only **advance work** was released for a total of **375 ha area under Sal Coppice plantations** in the period of 2017-18, which was created in the period of 2018-19, but fund for both



**advance work and creation for 50 ha area under Sal Coppice plantations** was released in the period of 2017-18. In addition, funds for **only advance work** was released for **50 ha area under ANR plantations** and **50 ha area under Sal Coppice plantations** in the period of 2017-18. However, it was informed that funds for creation of these plantations were released in the period of 2018-19. Of which, **50 ha area under ANR plantations** and **25 ha area under Sal Coppice plantations** were evaluated by the project team.

**TABLE 9. TOTAL AND ASSESSED AREA COVERAGE OF PLANTATIONS**

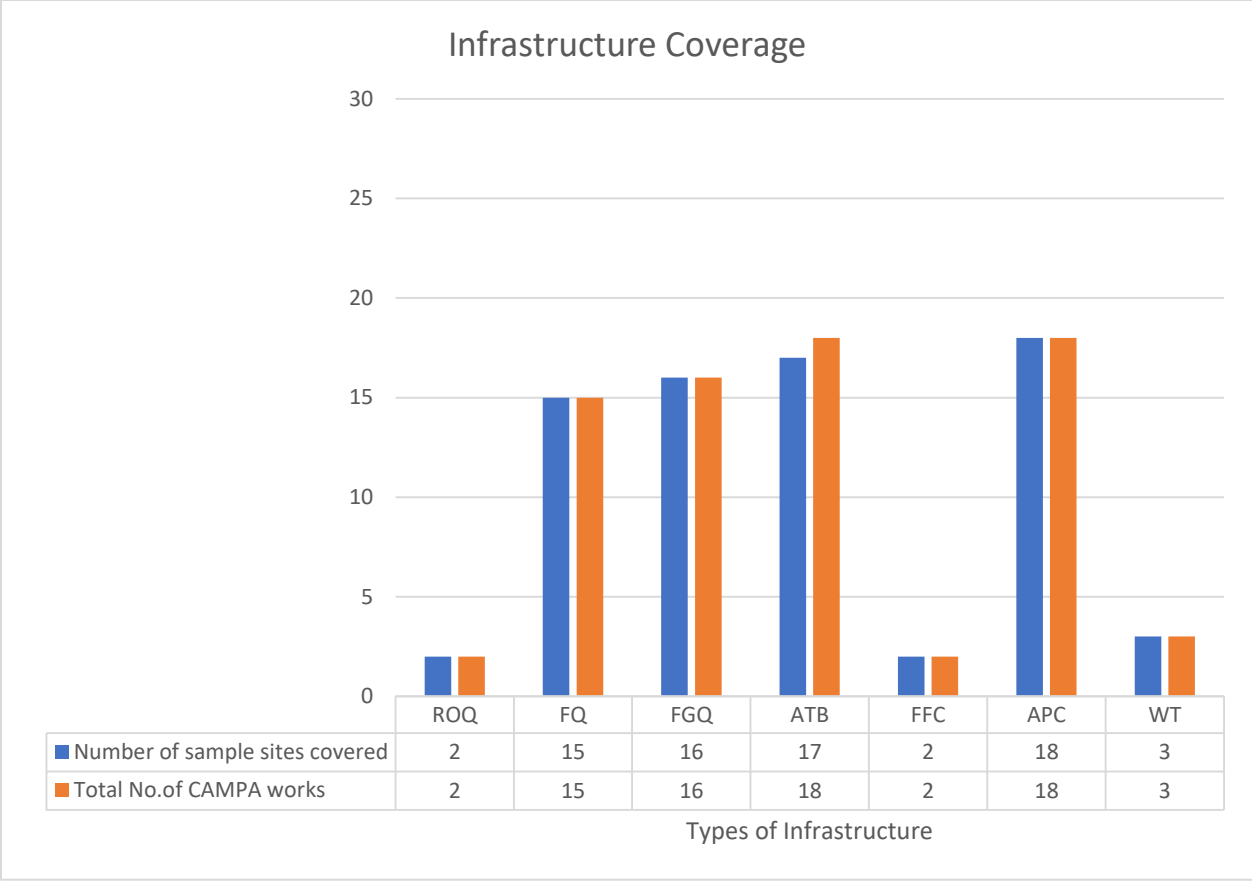
S.No.	Types of Plantations	Maintenance Plantations (both 2017-18 and 2018-19 periods)			
		2017-18 (ha)	2018-19 (ha)	Common Total Area (ha)	Assessed Area (ha)
1	SSP	2132.69	1429.25	2416.67	1118.08
2	Afforestation	776.5	1312	46.5	46.5
3	Sal Coppice	225	500	25	0
4	ANR	50	250	0	0
5	Apurugiya	0	5	0	0
S.No.	Types of Plantations	Creation Plantations (both 2017-18 and 2018-19 periods)			
		2017-18 (ha)	2018-19 (ha)	Common Total Area (ha)	Assessed Area (ha)
1	SSP	0	372.69	372.69	328.43
2	Afforestation	1010	915	1925	1425
3	Sal Coppice	475	325	800	408
4	ANR	50	250	300	300

5	Apurugiya	20	20	40	40
S.No.	Types of Plantations	Overall (Includes both maintenance & creation of plantations in 2017-18 & 2018-19)			
		Total Area (ha)		Assessed Area (ha)	
1	SSP	2789.36		1446.51	
2	Afforestation	1971.5		1471.5	
3	Sal Coppice	825		408	
4	ANR	300		300	
5	Apurugiya	40		40	
<p><b>Note:</b> The total areas of same plantations which were found to be both created and maintained in the period of 2017-18 or those that were created in 2017-18 period but maintained in the 2018-19 period were included in the common total area under <b>Creations only</b> to avoid repetition of figures for total and assessed areas.</p> <p><b>Abbreviations:</b> ANR: Assisted Natural Regeneration; SSP: Site-Specific Plantation.</p>					

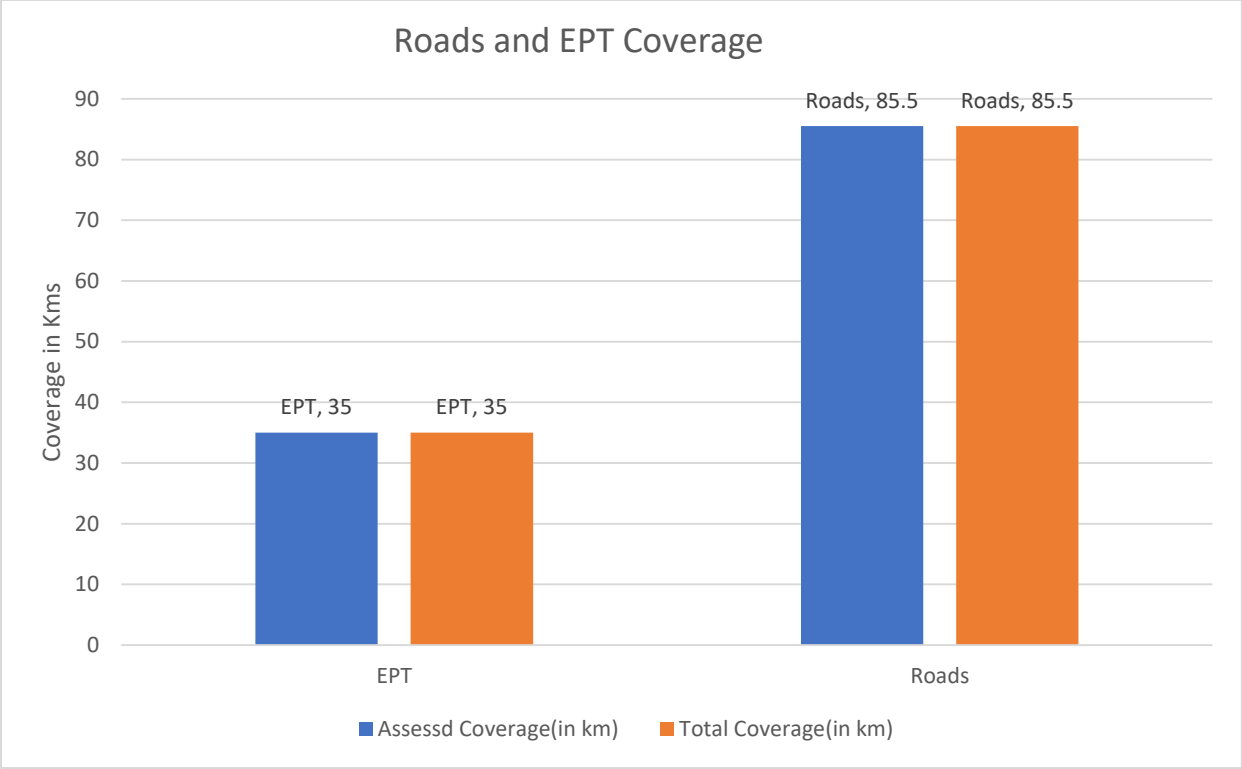
#### 4.2.3 Infrastructures & Road Development:

In all, **18 APCs** (13 in 2017-18 and 5 in 2018-19), **18 ATBs** (10 in 2017-18 and 8 in 2018-19), **2 FFCs** (both in 2017-18), **16 FGQs** (11 in 2017-18 and 5 in 2018-19), **15 FQs** (10 in 2017-18 and 5 in 2018-19), **2 ROQs** (both in 2018-19), and **3 WTs** (all 3 in 2018-19) under Infrastructures were found in the data provided for monitoring and evaluation. All these infrastructures were visited and evaluated, except for only 1 ATB in Digboi division. In addition, **85.5 km under Forest roads** (52 km in 2017-18 and 33.5 in 2018-19) and **35 km under EPTs** (in 2017-18 only) were provided for the evaluation. **All the stretches of Forest roads and EPTs** were assessed and evaluated. The graphical representations of the coverage details for Infrastructures and Roads & EPTs have been showed in **Figures 6 and 7**, respectively. One FGQ in Jorhat division was excluded from assessment after confirmation with Assam State CAMPA (**Annexure4**).





**FIGURE 6. INFRASTRUCTURE COVERAGE**

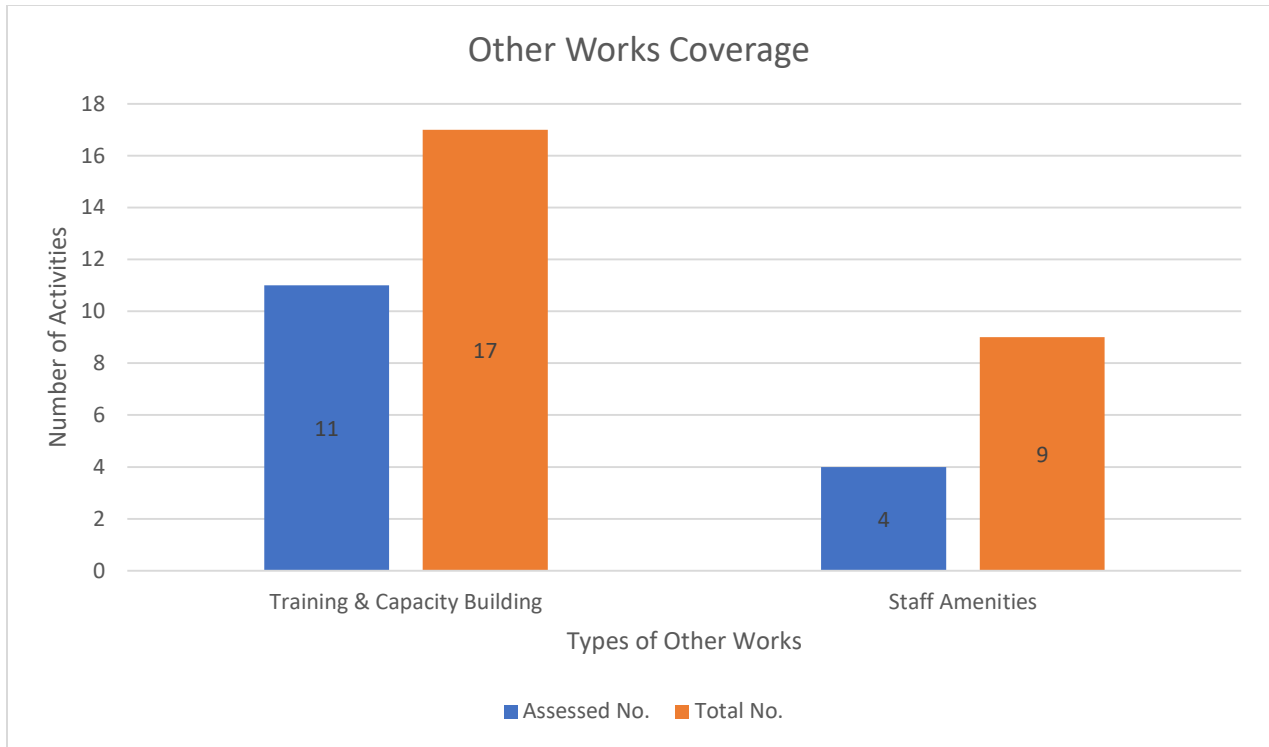


**FIGURE 7. ROADS AND EPT COVERAGE**

4.2.4 Other Works:

A total of **17 TCDs** and **9 SAs** were found for evaluation. Of which, **11 TCDs (64.70%)** and **4 SAs (44.44%)** were evaluated, as represented in **Figure 8**.





**FIGURE 8. OTHER WORKS COVERAGE**

### 4.3 Assessment at State Level

The overall performance score of the State was computed to be **8.09**. The overall performance score under Nursery Management was computed to be **7.84**. Similarly, overall scores under Plantation, Infrastructure & Road Development, and Other Works were computed to be **8.12, 8.65, and 9.26**, respectively. The cumulative score matrix has been computed and detailed below in **Table 10**.

**TABLE 10. CUMULATIVE SCORE MATRIX**

Circle/Divisions	Nursery	Plantations	Infrastructure	Other Works	Overall Score of the Division	Cumulative average of the circle
<b>CAC, Guwahati</b>						
<b>Kamrup East</b>	9.21	8.53	9.42	4.50	7.91	

Circle/Divisions	Nursery	Plantations	Infrastructure	Other Works	Overall Score of the Division	Cumulative average of the circle
Kamrup West	5.21	8.00	8.38		7.19	7.25
North Kamrup			5.75		5.75	
Goalpara	7.17	8.06	9.25		8.16	
<b>CSASFC, Guwahati</b>						
Guwahati SF	6.33				6.33	7.40
Silchar SF	6.58	7.82			7.20	
Karimganj SF		8.36	9.00		8.68	
<b>PCCF, Wildlife</b>						
Assam State Zoo			9.00	9.60	9.30	8.66
Guwahati Wildlife			9.13		9.13	
Kaziranga National Park			9.11		9.11	
Chakrasila Wildlife Sanctuary			8.00		8.00	
Tinsukia Wildlife			6.00		6.00	
Nagaon Wildlife			9.75		9.75	
Manas National Park			9.34		9.34	
<b>Research &amp; Education Circle</b>						



Circle/Divisions	Nursery	Plantations	Infrastructure	Other Works	Overall Score of the Division	Cumulative average of the circle
Assam Forest School, Jalukbari			4.75	9.60	7.18	7.18
<b>EAC Jorhat</b>						
Doomdooma	9.33	9.62	6.75		8.57	8.38
Dibrugarh	7.92		7.75		7.83	
Digboi	8.04	7.69	9.15		8.30	
Sivasagar		7.31	9.50		8.40	
Jorhat	9.25	8.85	8.06	10.00	9.04	
Golaghat	8.50	7.44	8.50		8.15	
<b>NAC, Tezpur</b>						
Nagaon	9.00	7.98	10.00	10.00	9.25	8.83
Nagaon South, Hojai	7.67	8.00	9.63	9.40	8.67	
Lakhimpur		9.04	9.31		9.18	
Dhemaji	6.79	6.73	7.75	9.40	7.67	
Sonitpur East	9.67	9.38	9.25	10.00	9.58	
Sonitpur West	8.83	8.49			8.66	
<b>UASFC, Nagaon</b>						
Golaghat SF	7.00	7.15		10.00	8.05	

Circle/Divisions	Nursery	Plantations	Infrastructure	Other Works	Overall Score of the Division	Cumulative average of the circle
Lakhimpur SF	8.75	9.15	8.75	10.00	9.16	8.71
Sivasagar SF	8.50	8.63			8.57	
Nagaon SF	8.38	8.85	10.00		9.07	
<b>LASFC, Bongaigaon</b>						
AIE Valley	8.35	8.77	9.33	9.10	8.89	8.79
Bongaigaon SF	8.94	9.12		9.20	9.09	
Goalpara SF	8.87	8.51	9.50	9.20	9.02	
Dhubri	7.73	7.56	9.19		8.16	
<b>BTC Kokrajhar</b>						
Baksa	6.21	7.95	9.25		7.80	7.93
Dhansiri	8.43	8.12	7.88		8.14	
Haltugaon	4.88	5.44	7.25		5.86	
Kachugaon	6.91	6.32	8.59		7.27	
Parbatjhora	9.21	9.46	9.13	9.60	9.35	
Kokrajhar SF	9.05	9.28			9.17	
<b>SAC, Silchar</b>						
Hailakandi	5.06	8.85	8.25		7.39	7.94
Karimganj	7.17		9.75		8.46	
Cachar	7.42	7.23	9.25		7.97	



Circle/Divisions	Nursery	Plantations	Infrastructure	Other Works	Overall Score of the Division	Cumulative average of the circle
<b>KAAC, Diphu</b>						
Hamren	7.25	7.08			7.17	6.91
Northern Afforestation		6.66			6.66	
<b>DHAC, Haflong</b>						
Dima Hasao East			9.75		9.75	9.10
Dima Hasao West			8.75		8.75	
Southern Afforestation	8.83	8.82	8.75		8.80	
<b>TOTAL</b>	<b>7.84</b>	<b>8.12</b>	<b>8.65</b>	<b>9.26</b>	<b>-</b>	<b>8.09</b>
<p><b>Abbreviations:</b> BTC: Bodoland Territorial Council; CAC: Central Assam Circle; CASFC: Central Assam Social Forestry Circle; DHAC: Dima Hasao Autonomous Council; EAC: Eastern Assam Circle; KAAC: Karbi Anglong Autonomous Council; LASFC: Lower Assam Social Forestry Circle; NAC: Northern Assam Circle; PCCF: Principal Chief Conservator of Forests; SAC: Southern Assam Circle; UASFC: Upper Assam Social Forestry Circle.</p> <p><b>Note:</b> The blank spaces in the table represent absence of the particular CAMPA activity in the given Forest Divisions.</p>						

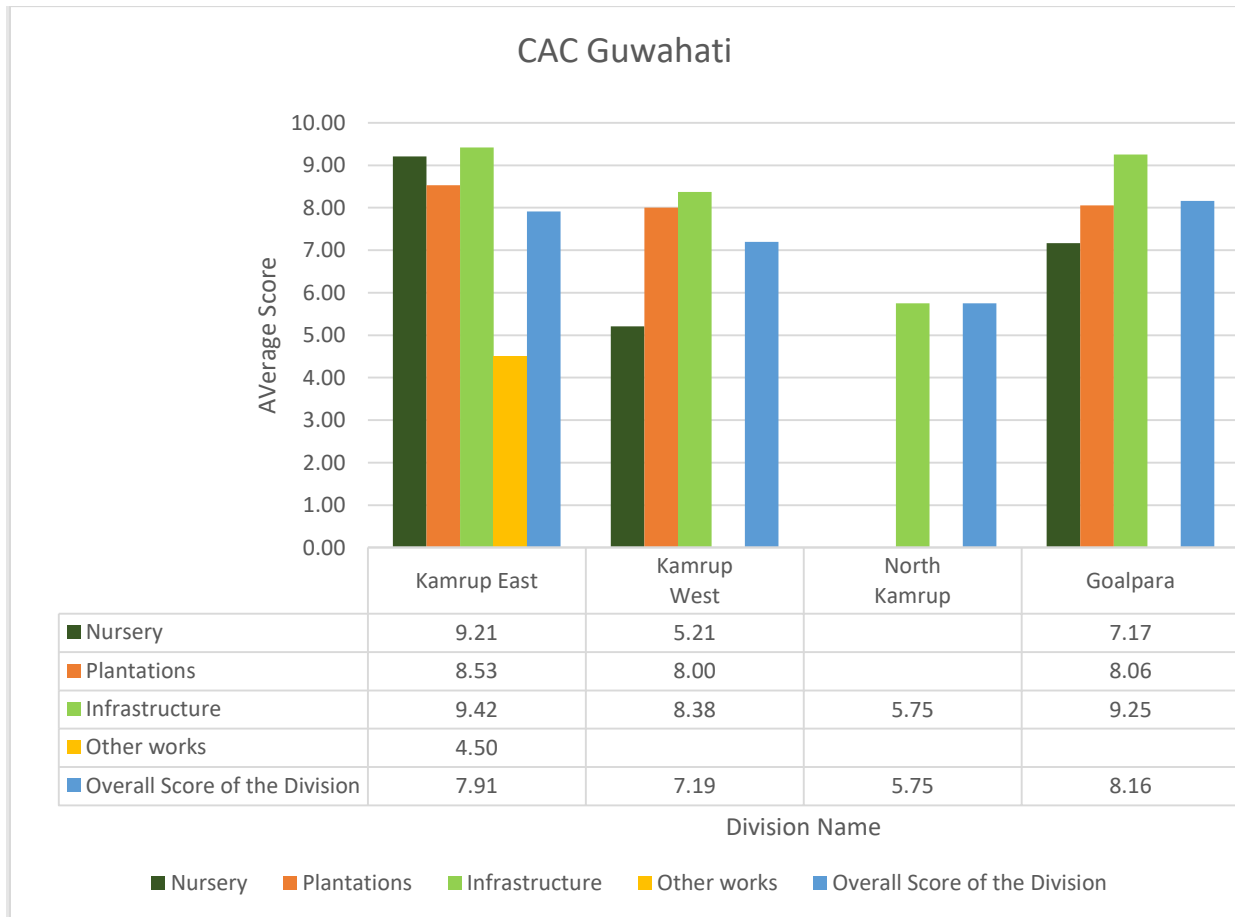
#### 4.4 Circle-wise Assessment Score of Forest Divisions

All 11 Forest Circles and 1 Research & Education Circle were involved in the implementation of CAMPA activities in the State. Performances of these Circles under CAMPA were based on the individual performance scores of the constituent Forest divisions for the various activities undertaken in the respective divisions. The overall performance scores of the constituent divisions under each Circle have been depicted in

following sections and **Figures 9-19** (**Note:** The blank spaces in the tables of Figures 7-18 depict absence of the particular activity under that given Division):

**1. CAC Guwahati:**

The performance scores of the Forest Divisions under CAC, Guwahati Circle has been represented in **Figure 9**. Under CAC, Guwahati, overall scores of Goalpara, Kamrup East, Kamrup West, and North Kamrup Forest Divisions were calculated to be 8.16, 7.91, 7.19 and 5.75, respectively. Goalpara and Kamrup West divisions have carried out works under 3 categories of activities, namely, Nursery Management, Plantation Management, and Infrastructures & Road Development. However, Kamrup East division had works under all the four categories, that is, Nursery Management, Plantation Management, Infrastructures & Road Development, and Other Works. Only one activity under Infrastructures & Road Development category was implemented in North Kamrup.

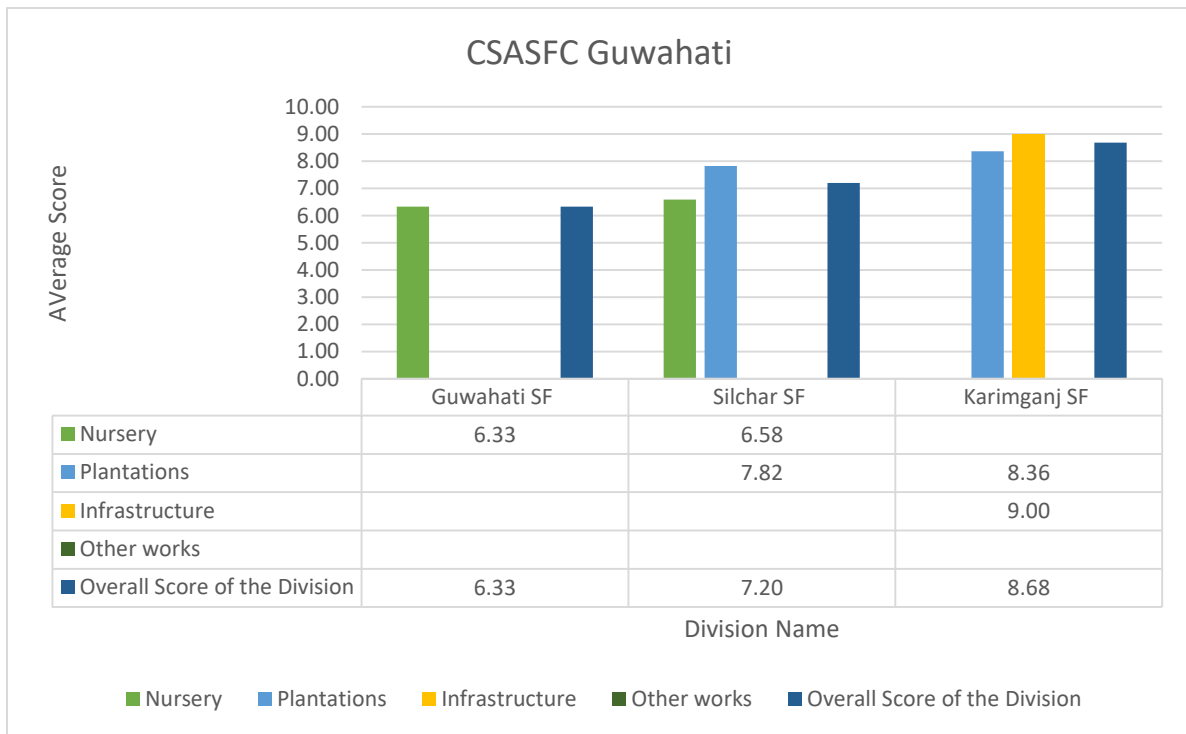


**FIGURE 9. ACTIVITY-WISE SCORE OF CAC GUWAHATI**



## 2. CSASFC Guwahati:

The performance scores of the Forest Divisions under CSASFC, Guwahati circle have been showed in **Figure 10**. Under CSASFC, Guwahati, Karimganj SF division secured the highest score of 8.68 (with 3, followed by Silchar SF division with an overall of 7.20 and Guwahati SF division with an overall score of 6.33. However, it is to be noted that works under Nursery Management and Plantation Management categories only were taken up in Silchar SF division, whereas only works under Plantation Management and Infrastructures & Road Development categories were done in Karimganj SF division. Only one activity under Nursery Management was carried out in Guwahati SF division.

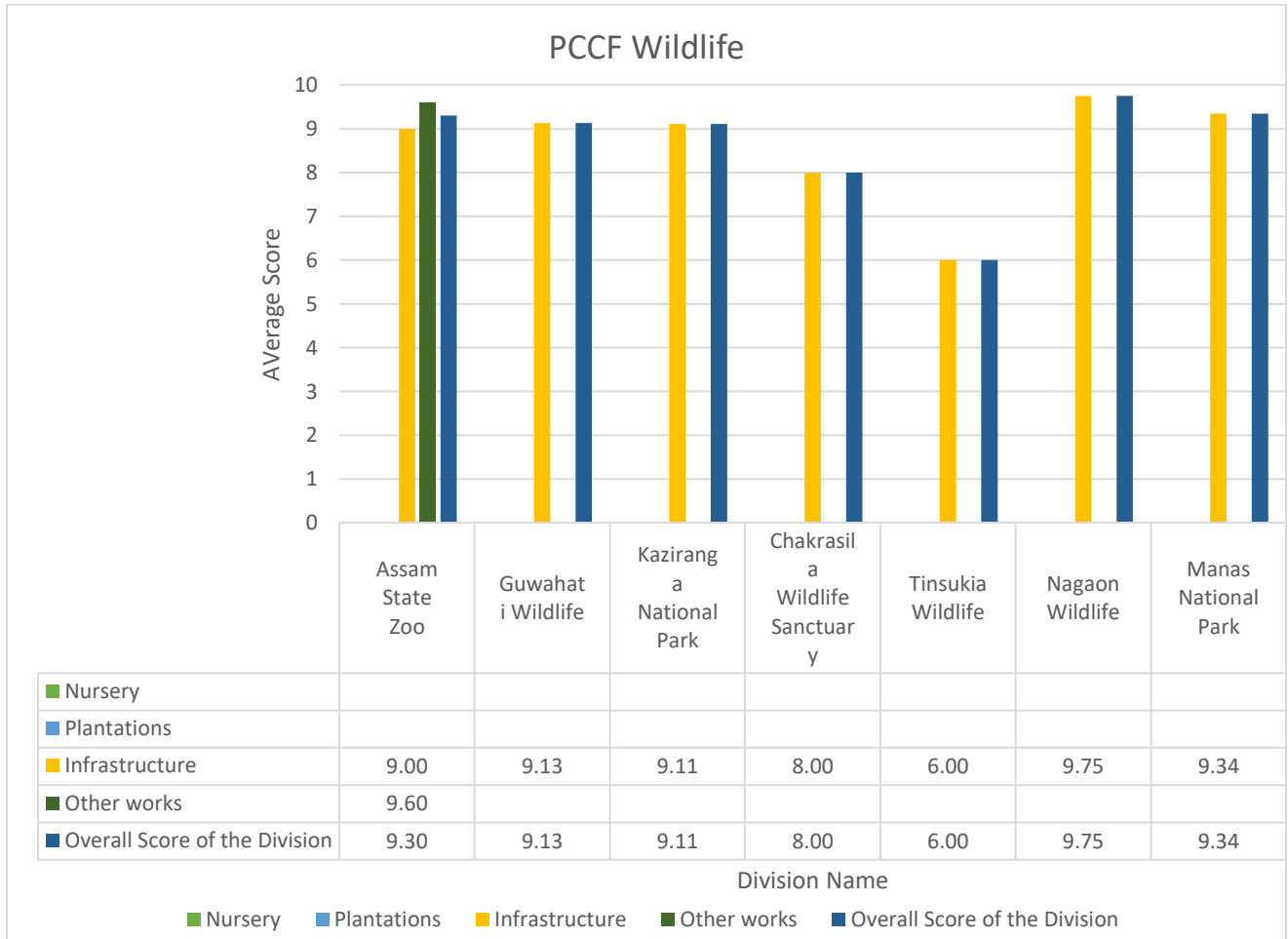


**FIGURE 10. ACTIVITY-WISE SCORE OF CSAFC GUWAHATI**

## 3. PCCF Wildlife:

The performance scores of the Forest divisions under PCCF, Wildlife circle has been represented in **Figure 11**. Under PCCF, Wildlife, Nagaon Wildlife division obtained the highest score of 9.75, followed by Manas National Park division with 9.34, Assam State Zoo with 9.30, Guwahati Wildlife division with 9.13, Kaziranga National Park division with 9.11, Chakrasila Wildlife Sanctuary with 8, and Tinsukia Wildlife division with 6. Out of

these 7 Forest divisions, 6 divisions, namely, Kaziranga National Park, Chakrasila Wildlife Sanctuary, Manas National Park, Nagaon Wildlife, Tinsukia Wildlife, and Guwahati Wildlife took up activities under Infrastructure & Road Development category only. However, Assam State Zoo carried out works under Infrastructure & Road Development Other Works categories (only TCD).



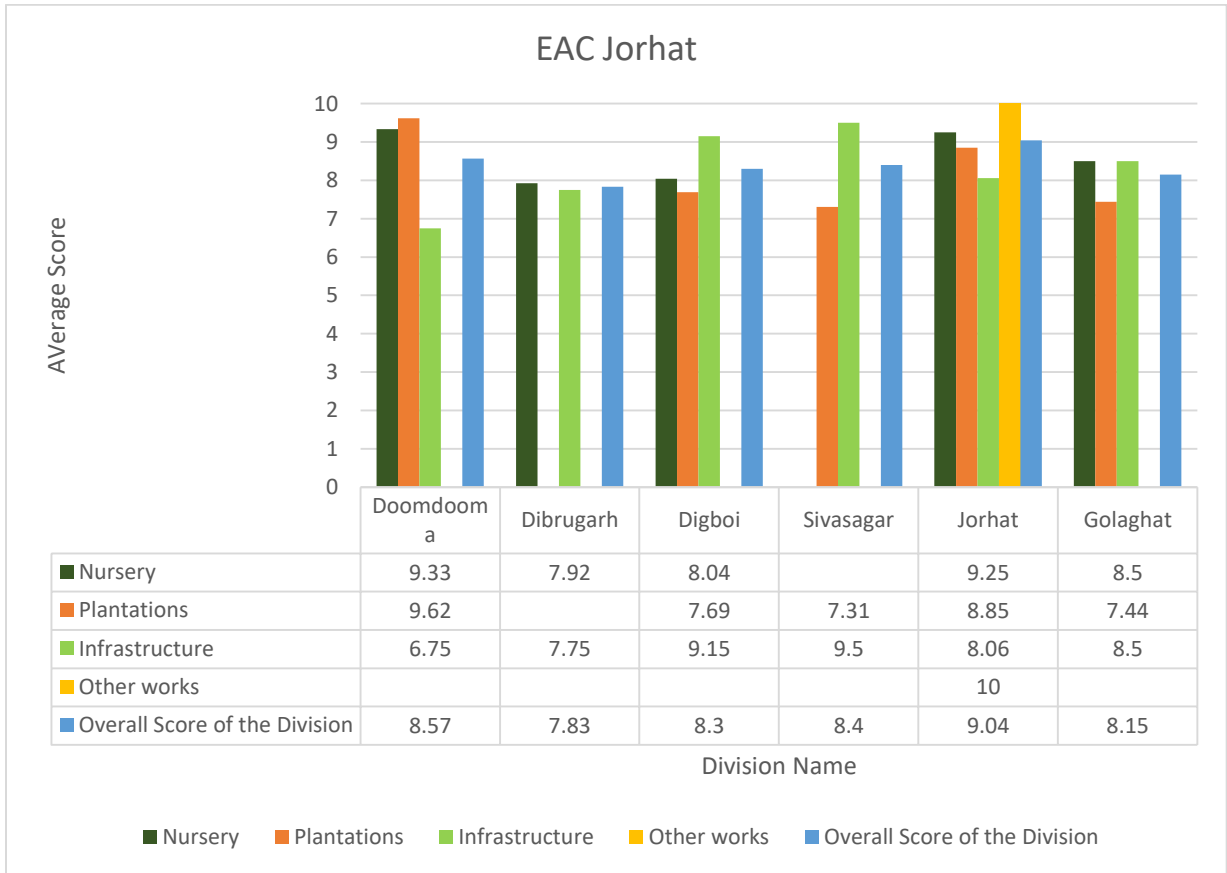
**FIGURE 11. ACTIVITY-WISE SCORE OF PCCF WILDLIFE**

#### 4. EAC Jorhat

The performance scores of the Forest divisions under EAC, Jorhat circle, have been depicted in **Figure 12**. Under EAC, Jorhat circle, overall scores secured by Doomdooma, Dibrugarh, Digboi, Sivasagar, Jorhat, and Golaghat divisions were calculated to be 8.57, 7.83, 8.30, 8.40, 9.04, and 8.15, respectively. However, it is to be noted that only in Jorhat division, works under all the four categories of activities were carried out, whereas



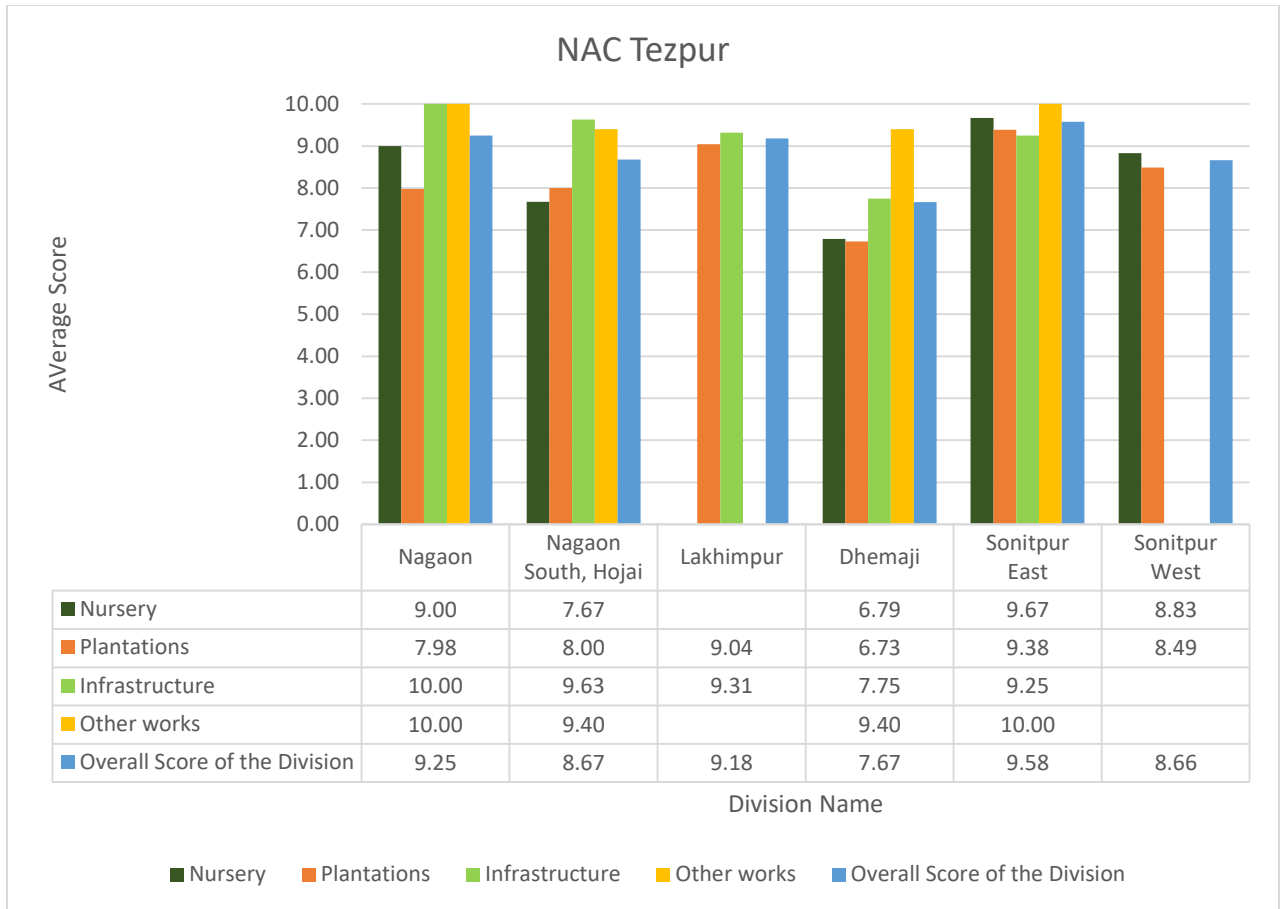
works under three categories of activities were carried out in rest 3 Forest Divisions. i.e., Doomdooma, Digboi, and Golaghat divisions. Works under only two categories were carried out in Dibrugarh and Sivasagar divisions.



**FIGURE 12. ACTIVITY-WISE SCORE OF EAC JORHAT**

### 5. NAC Tezpur

The performance scores of the constituent Forest Divisions under NAC, Tezpur circle have been showed in **Figure13**. Nagaon, Nagaon South (Hojai), Dhemaji, and Sonitpur East secured overall scores of 9.31, 8.67, 7.67 and 9.58, respectively, and all the four categories were found in these divisions. Lakhimpur and Sonitpur West divisions secured overall scores of 9.23 and 8.66, respectively, in which works under only two categories were carried out.

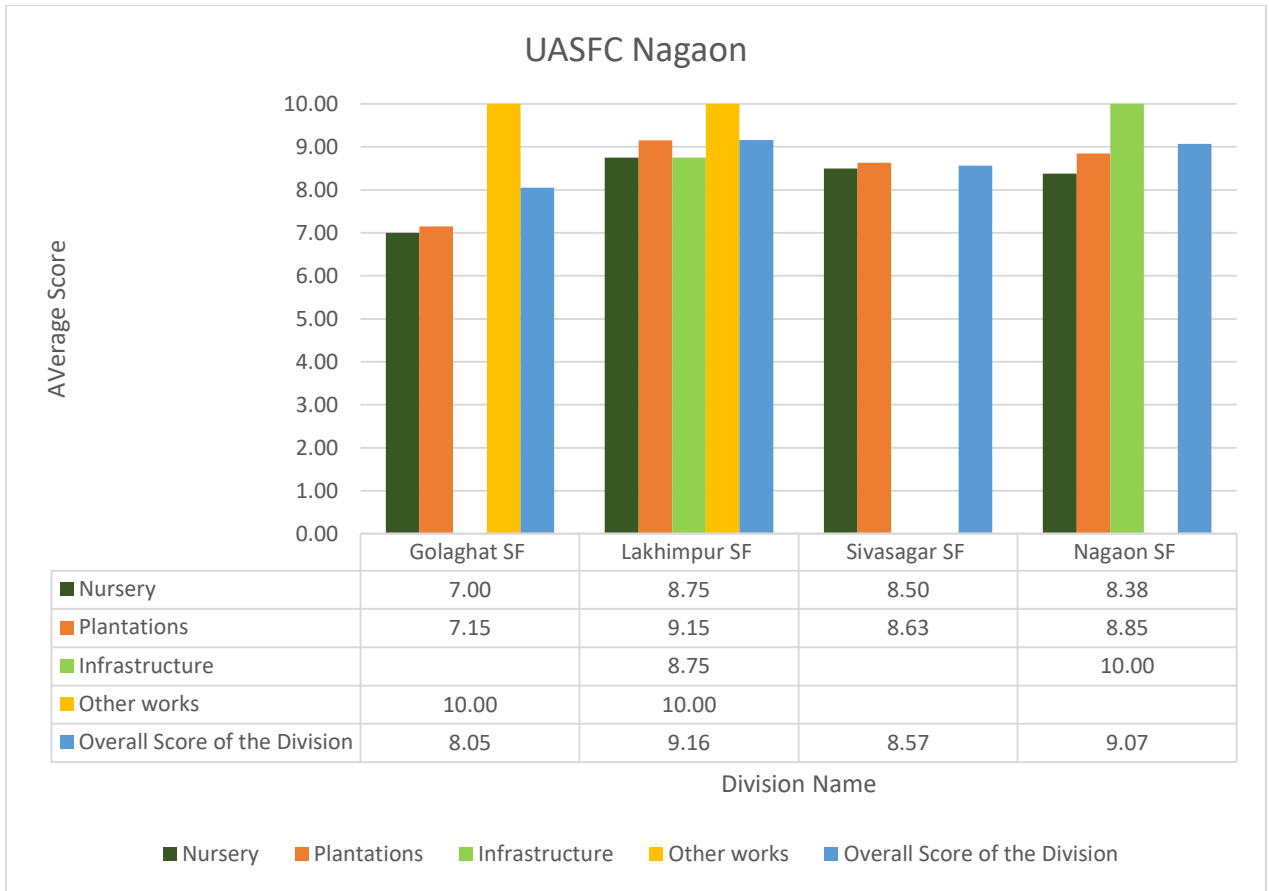


**FIGURE 13. ACTIVITY-WISE SCORE OF NAC TEZPUR**

## 6. UASFC Nagaon

The performance scores of the constituent divisions under UASFC, Nagaon circle, have been represented in **Figure 14**. Lakhimpur SF division, in which all four categories were found, secured an overall score of 9.16. Golaghat SF and Nagaon SF divisions, in which works under 3 categories were carried out, secured overall scores of 8.05 and 9.07, respectively. Sivasagar SF division secured an overall score of 8.57, in which two categories were found.

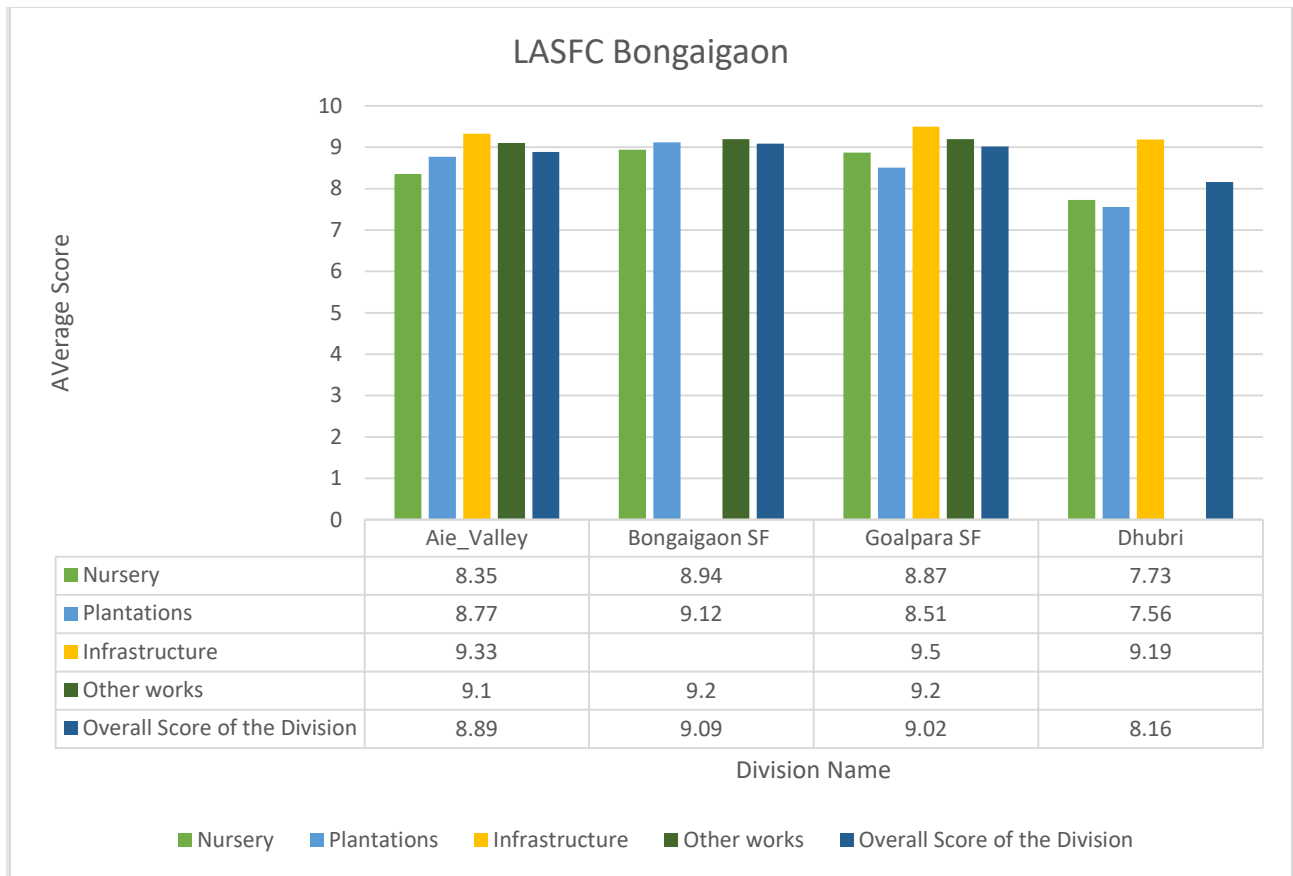




**FIGURE 14. ACTIVITY-WISE SCORE OF UASFC NAGAON**

### 7. LASFC Bongaigaon

The performance scores of the constituent Forest divisions under LASFC, Bongaigaon circle have been showed in **Figure 15**. Goalpara SF and AIE Valley divisions, in which all four categories were observed, secured overall scores of 9.02 and 8.89, respectively. Dhubri and Bongaigaon SF divisions, secured overall scores of 8.16 and 9.09, respectively, and works under three categories were carried out.

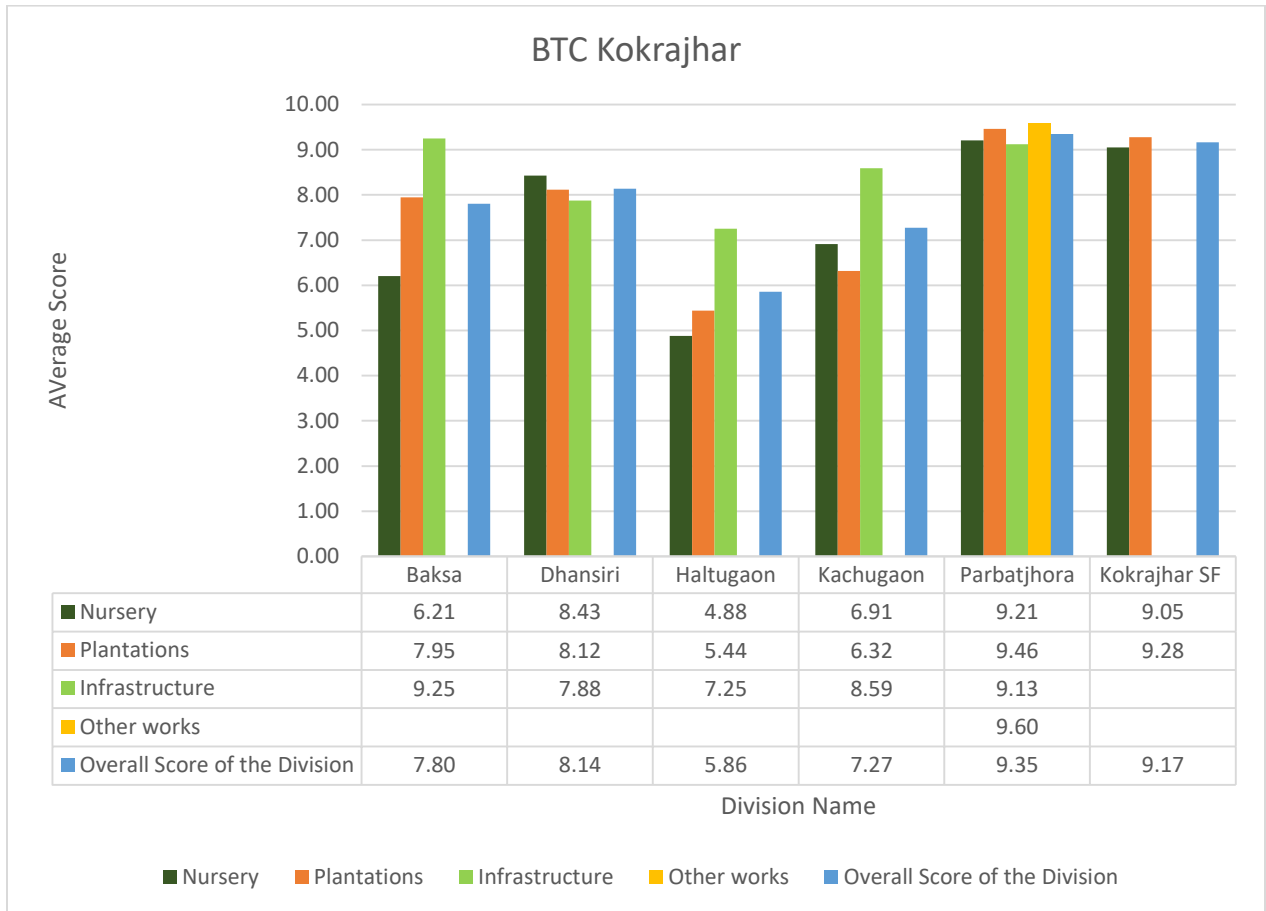


**FIGURE 15. ACTIVITY-WISE SCORE OF LASFC, BONGAIGAON**



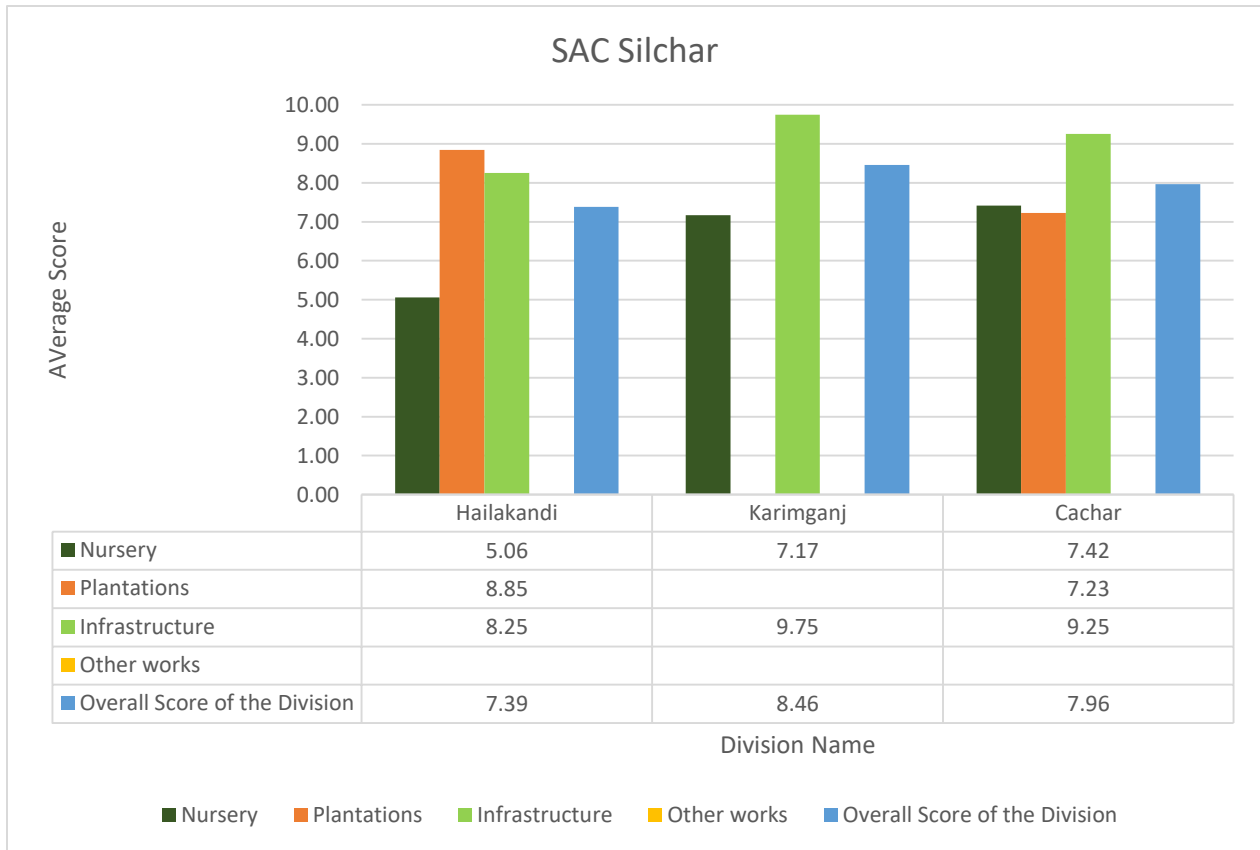
## 8. BTC Kokrajhar

BTC Kokrajhar performance scores have been represented in **Figure 16**. Baksa, Dhansiri, Haltugaon, and Kachugaon divisions got overall scores of 7.80, 8.14, 5.86, and 7.43, respectively, and works under three categories were found in these divisions. Kokrajhar SF division had only two categories and achieved a score of 9.17. Only Parbatjhora division had worked in all the four categories and it achieved an overall score of 9.35.



**FIGURE 16. ACTIVITY-WISE SCORE OF BTC KOKRAJHAR**

## 9. SAC Silchar



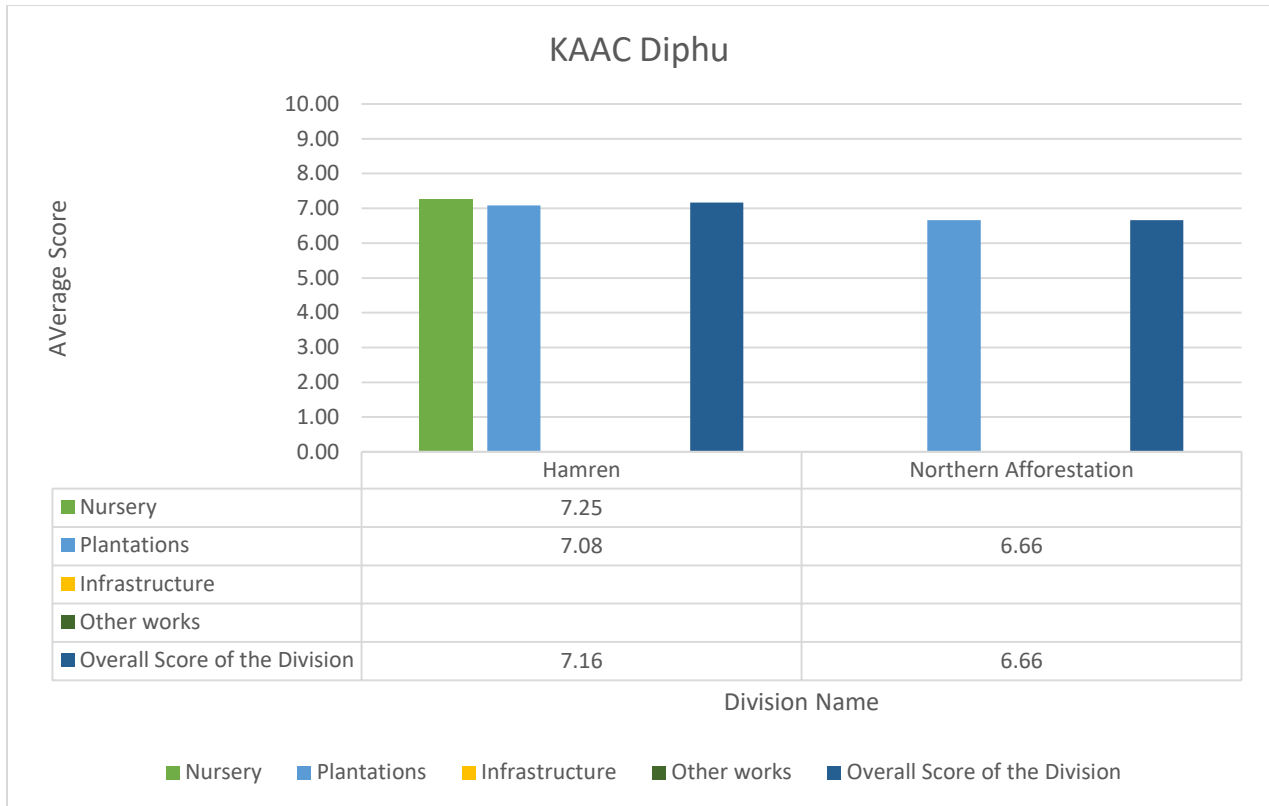
**FIGURE 17 ACTIVITY-WISE SCORE OF SAC SILCHAR**

SAC Silchar performance scores have been showed in **Figure 17**. Overall scores of 7.39 and 8.14, respectively, were calculated for Hailakandi and Cachar divisions, in which works under three categories were carried out. Karimganj division had worked under two categories only and secured an overall score of 8.46.



## 10. KAAC Diphu

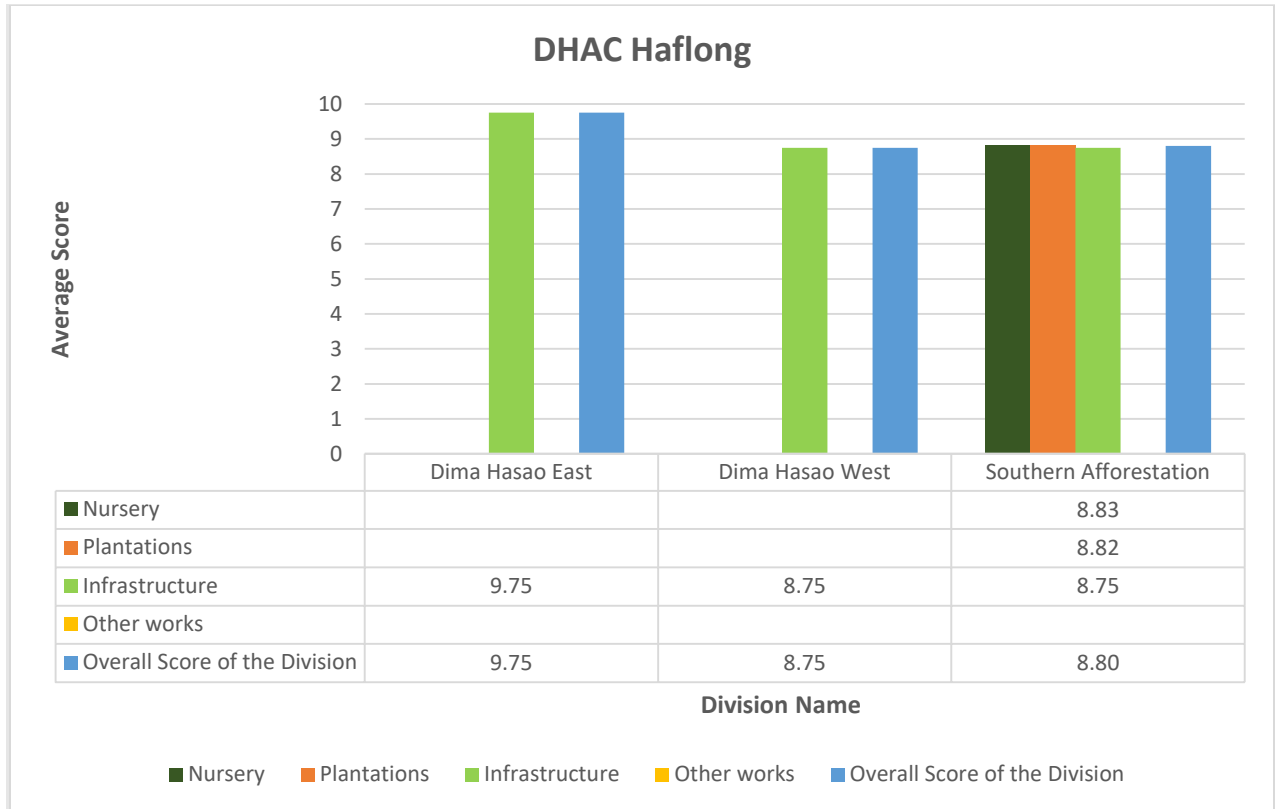
KAAC Diphu performance scores have been depicted in **Figure 18**. Hamren division, which had two categories of CAMPA activities, secured an overall score of 7.16 and Northern Afforestation, with work under only one category, secured an overall score of 6.66.



**FIGURE 18. ACTIVITY-WISE SCORE OF KAAC DIPHU**

## 11. DHAC, Haflong

DHAC Haflong performance scores have been represented in **Figure 19**. Southern Afforestation division, in which works under three categories were carried out, got an overall score of 8.80. Only one category was found in Dima Hasao East and Dima Hasao West divisions, and these divisions got overall scores of 9.75 and 8.75, respectively.

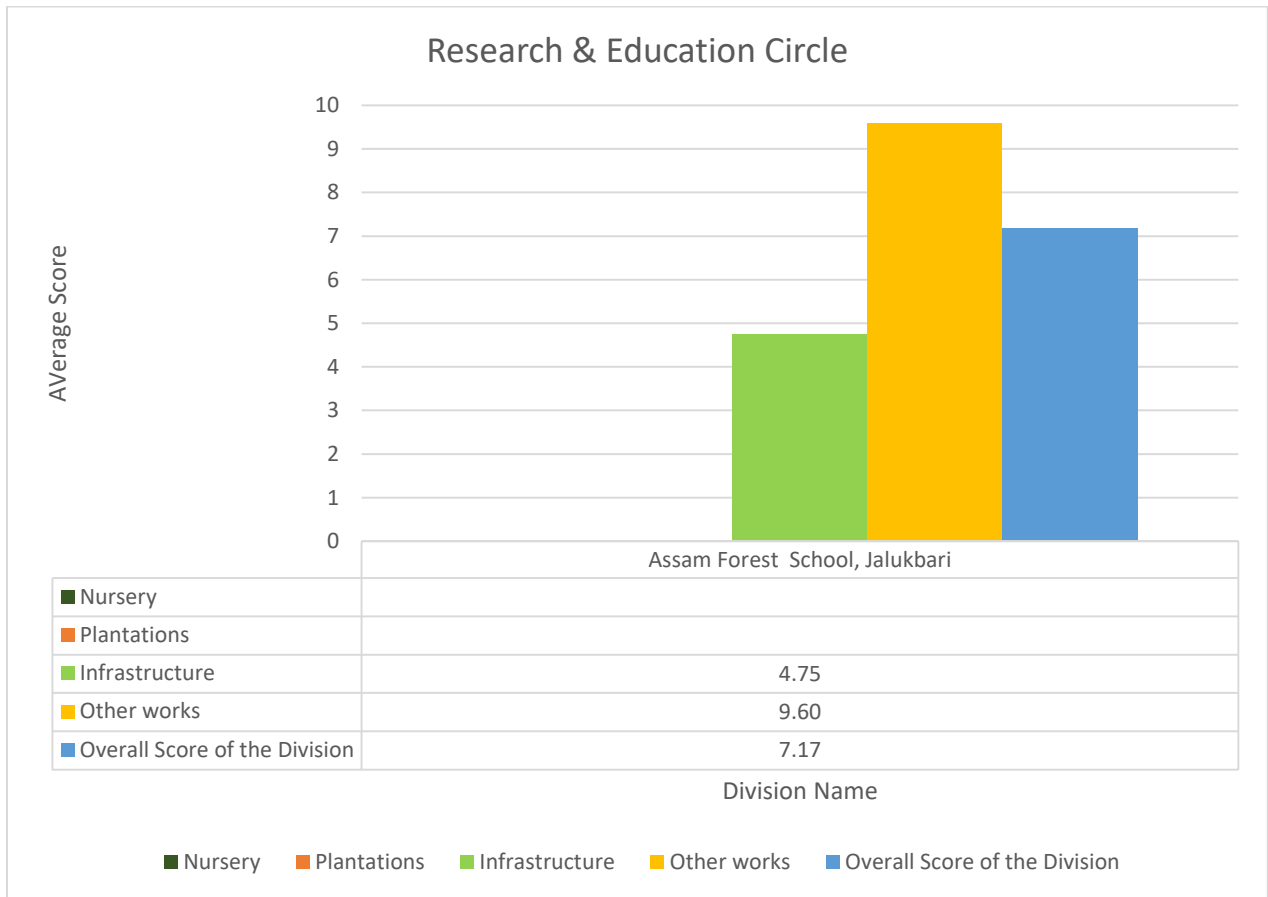


**FIGURE 19. ACTIVITY-WISE SCORE OF DHAC HAFLONG**



## 12. Research & Education:

The performance score of the activities carried out by the institute under Research & Education and also the overall score obtained by the institute have been showed in **Figure 20**. The Assam Forest School located at Jalukbari, Guwahati, which falls under Research & Education, secured an overall score of 7.18, and it worked under the categories of Infrastructure & Road Development and Other Works only.



**FIGURE 20. ACTIVITY-WISE SCORE OF RESEARCH AND EDUCATION CIRCLE**

#### 4.5 Summary of Scores at Division Level

The **Table 11** below summarizes the scores obtained by individual Forest divisions under the four broad categories of **Nursery Management, Plantation Management, Infrastructures & Road Developments, and Other works** throughout the State. Further, these Forest divisions were classified into four groups, as follows:

- Group A: Divisions having CAMPA works under all the four categories.
- Group B: Divisions having CAMPA works under three categories.
- Group C: Divisions having CAMPA works under two categories.
- Group D: Divisions having CAMPA works only under one category.

**TABLE 11. SUMMARY OF SCORES AS PER NUMBER OF ACTIVITIES IN ASSESSED FOREST DIVISIONS**

S.No.	Division	Nursery	Plantations	Infrastructure	Other works	Overall Score
<b>Group A: Divisions having works under all the four categories</b>						
<b>1</b>	Sonitpur East	9.67	9.38	9.25	10.00	<b>9.58</b>
<b>2</b>	Parbatjhora	9.21	9.46	9.13	9.60	<b>9.35</b>
<b>3</b>	Nagaon	9.00	7.98	10.00	10.00	<b>9.25</b>
<b>4</b>	Lakhimpur SF	8.75	9.15	8.75	10.00	<b>9.16</b>
<b>5</b>	Jorhat	9.25	8.85	8.06	10.00	<b>9.04</b>
<b>6</b>	Goalpara SF	8.87	8.51	9.50	9.20	<b>9.02</b>
<b>7</b>	AIE Valley	8.35	8.77	9.33	9.10	<b>8.89</b>
<b>8</b>	Nagaon South (Hojai)	7.67	8.00	9.63	9.40	<b>8.67</b>
<b>9</b>	Kamrup East	9.21	8.53	9.42	4.50	<b>7.91</b>
<b>10</b>	Dhemaji	6.79	6.73	7.75	9.40	<b>7.67</b>
<b>Group B: Divisions having works under three categories</b>						
<b>11</b>	Bongaigaon SF	8.94	9.12	NA	9.20	<b>9.09</b>
<b>12</b>	Nagaon SF	8.38	8.85	10.00	NA	<b>9.07</b>
<b>13</b>	Southern Afforestation	8.83	8.82	8.75	NA	<b>8.80</b>
<b>14</b>	Doomdooma	9.33	9.62	6.75	NA	<b>8.57</b>



S.No.	Division	Nursery	Plantations	Infrastructure	Other works	Overall Score
15	Digboi	8.04	7.69	9.15	NA	8.30
16	Goalpara	7.17	8.06	9.25	NA	8.16
17	Dhubri	7.73	7.56	9.19	NA	8.16
18	Golaghat	8.50	7.44	8.50	NA	8.15
19	Dhansiri	8.43	8.12	7.88	NA	8.14
20	Golaghat SF	7.00	7.15	NA	10.00	8.05
21	Cachar	7.42	7.23	9.25	NA	7.97
22	Baksa	6.21	7.95	9.25	NA	7.80
23	Hailakandi	5.06	8.85	8.25	NA	7.39
24	Kachugaon	6.91	6.32	8.59	NA	7.27
25	Kamrup West	5.21	8.00	8.38	NA	7.19
26	Haltugaon	4.88	5.44	7.25	NA	5.86
<b>Group C: Divisions having works under two categories</b>						
27	Assam State Zoo	NA	NA	9.00	9.60	9.30
28	Lakhimpur	NA	9.04	9.31	NA	9.18
29	Kokrajhar SF	9.05	9.28	NA	NA	9.17
30	Karimganj SF	NA	8.36	9.00	NA	8.68
31	Sonitpur West	8.83	8.49	NA	NA	8.66
32	Sivasagar SF	8.50	8.63	NA	NA	8.57
33	Karimganj	7.17	NA	9.75	NA	8.46
34	Sivasagar	NA	7.31	9.50	NA	8.40
35	Dibrugarh	7.92	NA	7.75	NA	7.83
36	Silchar SF	6.58	7.82	NA	NA	7.20
37	Assam Forest School	NA	NA	4.75	9.60	7.18
38	Hamren	7.25	7.08	NA	NA	7.17
<b>Group D: Divisions having works under only one category</b>						
39	Nagaon Wildlife	NA	NA	9.75	NA	9.75
40	Dima Hasao East	NA	NA	9.75	NA	9.75

S.No.	Division	Nursery	Plantations	Infrastructure	Other works	Overall Score
41	Manas National Park	NA	NA	9.34	NA	9.34
42	Guwahati Wildlife	NA	NA	9.13	NA	9.13
43	Kaziranga National Park	NA	NA	9.11	NA	9.11
44	Dima Hasao West	NA	NA	8.75	NA	8.75
45	Chakrasila Wildlife Sanctuary	NA	NA	8.00	NA	8.00
46	Northern Afforestation	NA	6.66	NA	NA	6.66
47	Guwahati SF	6.33	NA	NA	NA	6.33
48	Tinsukia Wildlife	NA	NA	6.00	NA	6.00
49	North Kamrup	NA	NA	5.75	NA	5.75

#### 4.6. Activity-wise Assessment Scores

The overall scores of individual activities have been separately calculated as follows:

##### 4.6.1 Nursery Management:

Activity	Overall Score	Scope of Improvement
Nursery 3 Ha	7.90	The team found that most of the nurseries were following the protocols and guidelines issued by Assam State CAMPA. However, there are certain areas where improvements can be made, especially in terms of maintaining records, training of nursery staff, and carrying out nursery operations as per the guidelines from Assam State CAMPA.
Nursery 1.5 Ha	7.76	



#### 4.6.2 Plantation Management:

Plantation Maintenance	Overall Score	Scope of improvement
SSP	7.13	Overall, the team found that the plantations under maintenance are following most of the guidelines and SOPs issued by Assam State CAMPA and HoFF Office of Assam Forest Department. However, there is scope for improvement in aspects like maintenance of official records & documents, training of plantation staff, site suitability, strengthening the security of the sites by engaging more resources, and carrying out regular plantation operations such as weeding, watering, etc.
Afforestation	8.00	
Sal Coppice	7.04	
ANR	9.38	
Apurugiya Plantations	8.38	

Plantation Creation	Overall Score	Scope of Improvement
SSP	8.25	As per the observations of the team, the new plantations were found to be created as per the protocols & norms of Assam State CAMPA and HoFF Office of Assam Forest Department. However, the team found that improvements in maintenance of official records & documents, staff training, maintenance of fences & other civil structures, strengthening the security of the sites by engaging more personnel, and carrying out regular plantation operations such as weeding, watering, etc., can be made.
Afforestation	8.54	
ANR	8.09	
Sal Coppice	9.11	
Apurugiya	8.97	

#### 4.6.3 Infrastructure & Road Development:

<b>Infrastructural Activity</b>	<b>Overall Score</b>	<b>Scope of Improvement</b>
Buildings, Roads & EPT	8.65	As per the inputs received from the field team, infrastructure activities, like buildings, forest roads & EPTs, were found to be constructed and maintained as per the guidelines issued by Assam State CAMPA and HoFF Office of Assam Forest Department. However, there are areas that have been identified where utmost attention is required, which includes - maintaining and updating the official records & documents and site suitability before the construction of any infrastructure

#### 4.6.4 Other Works

<b>Other Works</b>	<b>Overall Score</b>	<b>Scope of improvement</b>
Training & Capacity Building	9.52	The team identified and observed that training and capacity building programs were held and conducted as per the protocols of the Assam State CAMPA and HoFF office of Assam Forest Department.
Staff Amenities	8.63	

#### 4.7 Drone Coverage

On the basis of the filled Checklists and inputs received from the field evaluators after the completion of monitoring and evaluation process, Forest divisions were selected on random basis for drone videography coverage in all the zones and subsequently sites were randomly selected in the selected divisions. Aerial videography was done only for two categories of CAMPA activities, that is, nurseries and plantations, which were



assessed by the field teams. The list of Forest divisions selected for drone videography has been mentioned in **Table 12**. In order to complete the drone videography coverage in stipulated time, two drone professionals located in two different places, one in Guwahati and other in Silchar, were engaged. Two teams were formed to conduct the field visits in different zones for drone videography. Each team consisted of two field evaluators and one drone professional. One team was assigned to cover Forest divisions located in the Central Assam & Barak Valley zone and the other team was assigned to cover Forest divisions located in & around Guwahati, Lower Assam, Upper Assam, and Northern Assam. Both the teams carried out drone videography in their respective zones and the footage covered by both the teams was compiled and edited to prepare a comprehensive footage of around 12-15 minutes, which is being submitted to the Assam Forest Department with the Final Report.



**FIGURE 21. 5 HA APURUGIYA PLANTATION, SINGRA RANGE, KAMRUP WEST DIVISION**

Table 12. Details of sites visited for drone videography

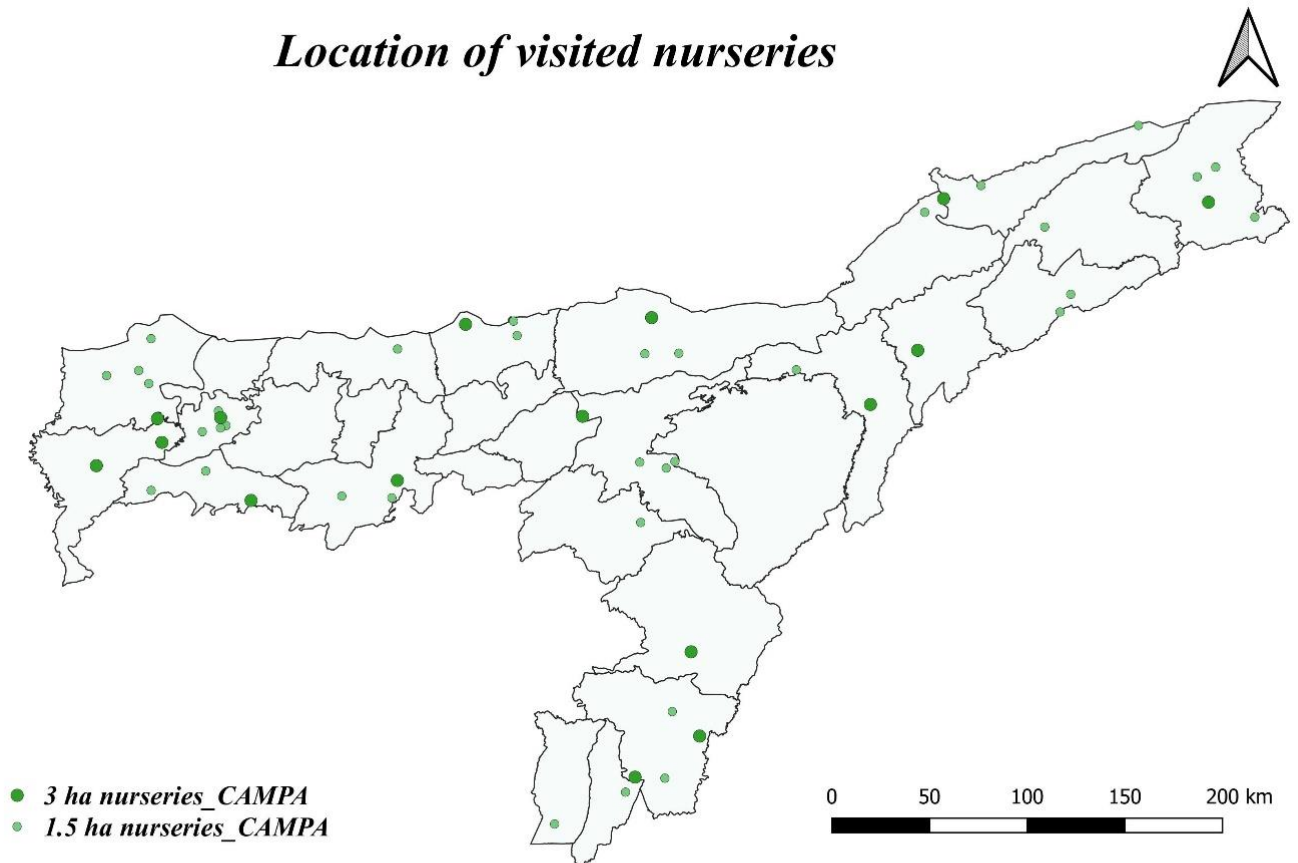
Zone	Division	CAMPA Activities to be Visited		
		Name	Location	Number
Central Assam & Hills and Barak Valley	Cachar	3 ha nursery	Jirighat range, Lakhipur	1
		SSP (44.98 ha)	Jirighat range, Lakhipur	1
		ANR (35 ha)	Hawaithang range, Dholai	1
		Apurugiya Brikhya plantation (5 ha)	Sadar range, Assam University	1
In & around Guwahati	Kamrup West & Kamrup East	Apurugiya Brikhya plantation (5 ha)	Singra range, Kamrup West	1
		1.5 ha nursery	Rani range, Kamrup East	1
		Sal coppice (50 ha)	Rani range, Kamrup East	1
Lower Assam	Kokrajhar SF	1.5 ha nursery	Bishmuri, SF Beat	1
		Afforestation (100 ha)	Hatibandha, Fakiragram range	1
		ANR (50 ha)	Ramsarbar, SF beat	1
		SSP (100 ha)	Paroura reserve forest	1
	Parbatjhora	3 ha nursery	Khoraghat range	1
		SSP (1.42 ha)	Vishnujora	1
Sal coppice (16 ha)		Jangirkilla II	1	
Upper & Northern Assam	Jorhat	3 ha nursery	Lohpohia range	1
		Afforestation (25 ha)	Mariani range	1
	Sonitpur East	1.5 ha nursery	Pabhoi range	1
		Afforestation (50 ha)	Borgang range	1
<b>Total Divisions</b>	<b>7</b>		<b>Total activities</b>	<b>18</b>



#### 4.8 Representation of GPS Locations of CAMPA activities evaluated.

The maps representing the assessed nurseries, plantations (maintenance and creation), and infrastructures & road developments have been depicted in **Figures 22-25**.

##### 4.8.1 Map to Represent Assessed Nurseries



**FIGURE 22. MAP FOR ASSESSED NURSERIES**

4.8.2 Map to Represent Assessed Plantations

*Location of visited plantations (maintenance)*

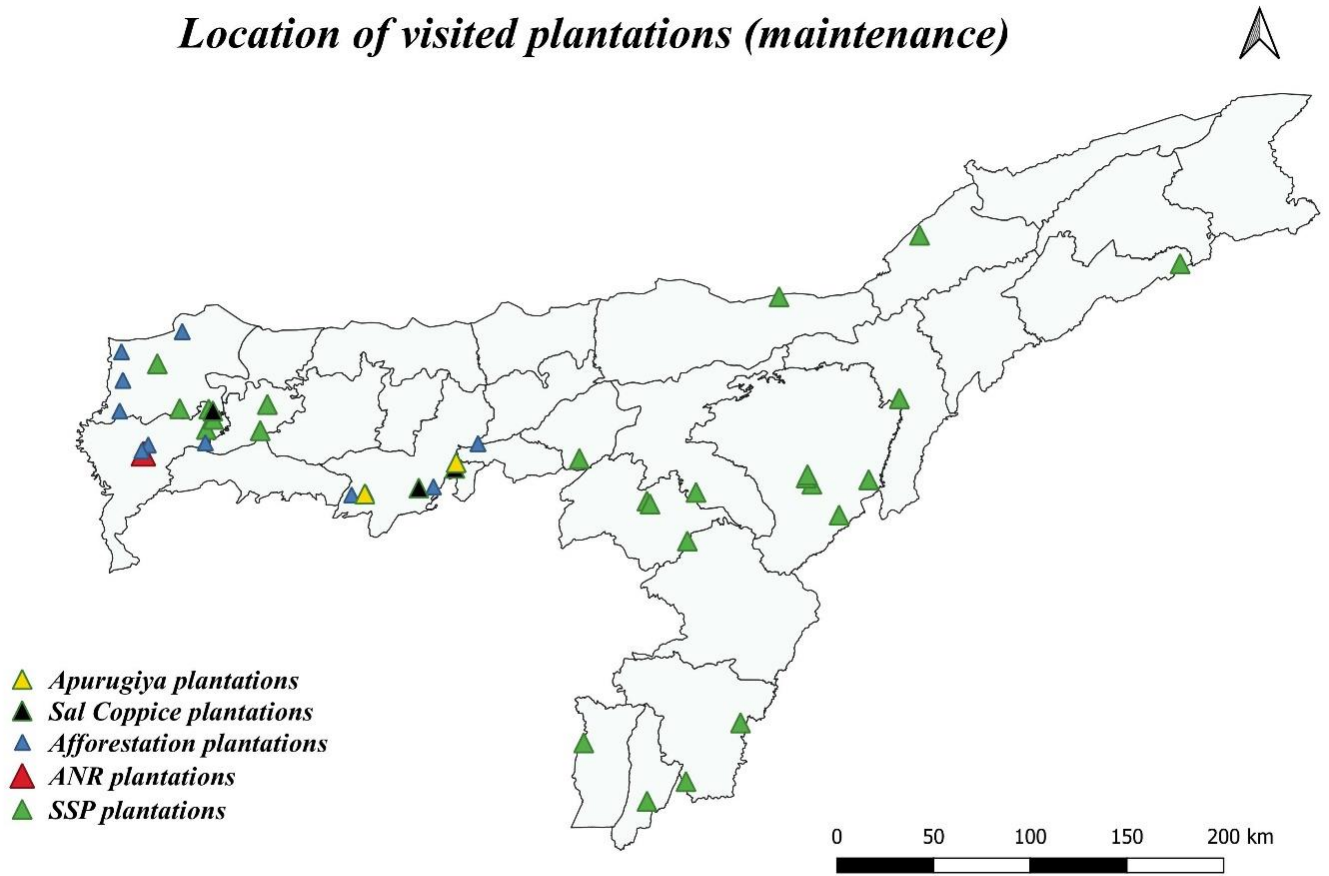
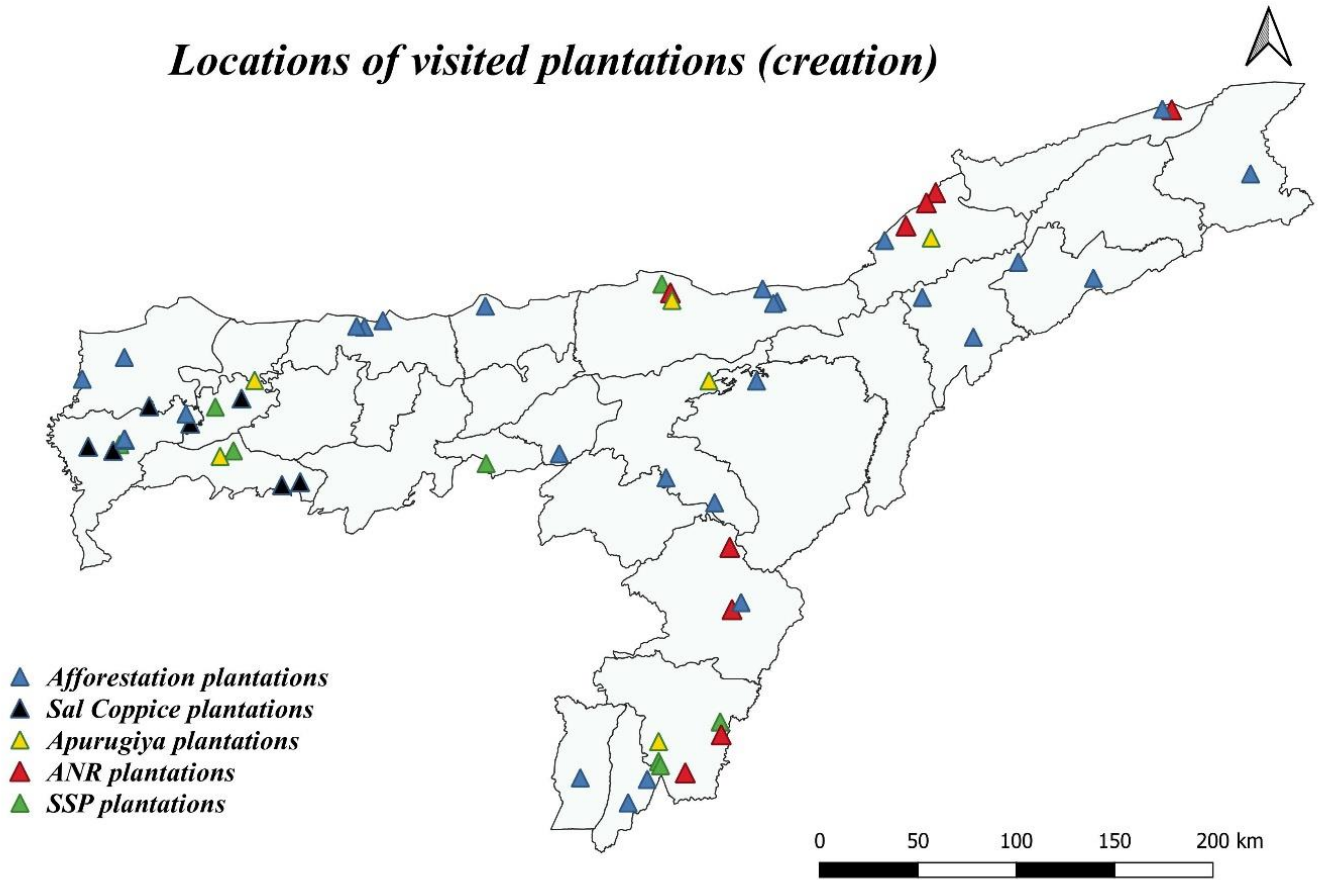


FIGURE 23. MAP FOR ASSESSED PLANTATIONS (MAINTENANCE)

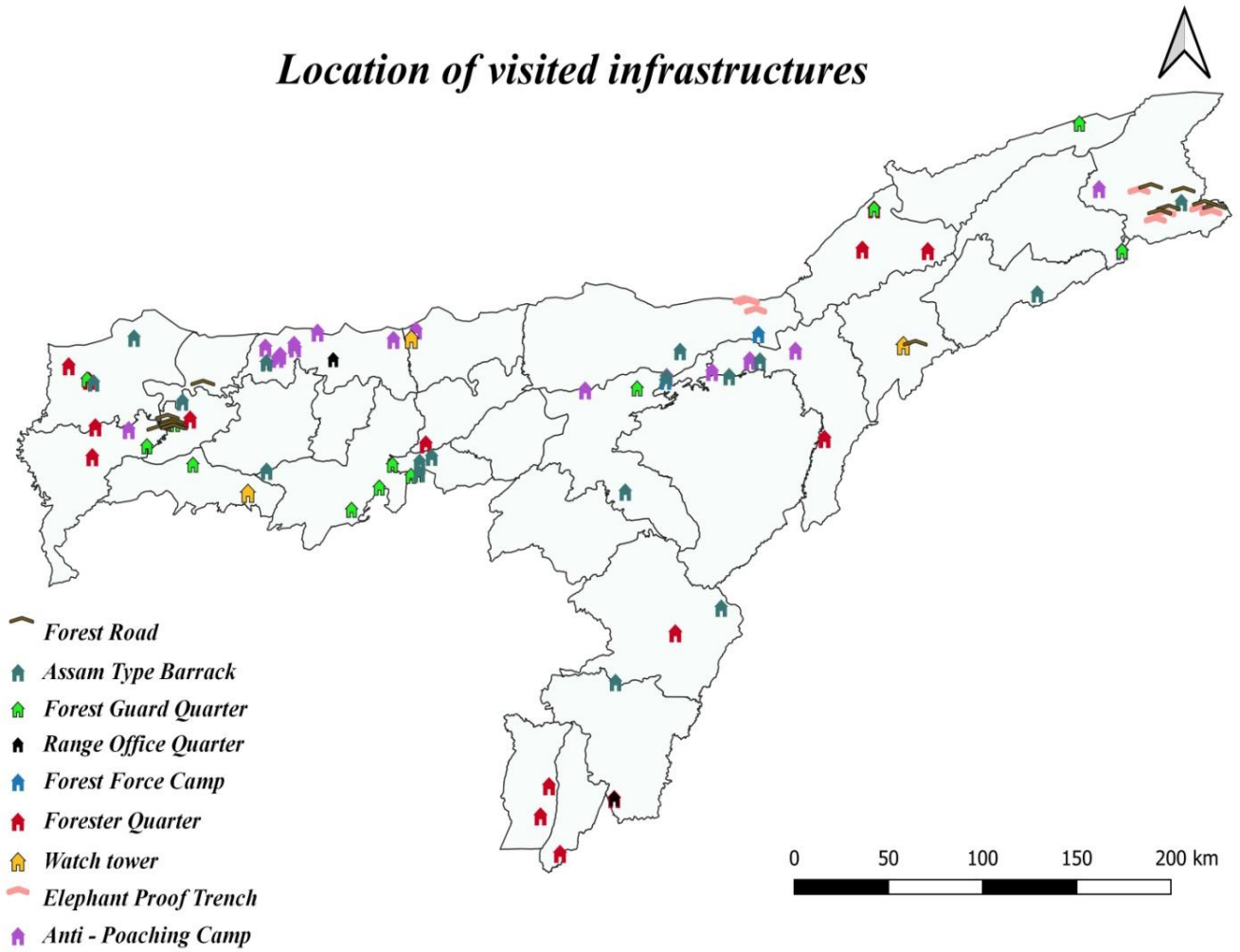


## *Locations of visited plantations (creation)*



**FIGURE 24. MAP FOR ASSESSED PLANTATIONS (CREATION)**

4.8.3. Map to Represent Assessed Infrastructures & Road Developments



**FIGURE 25. MAP FOR ASSESSED INFRASTRUCTURES & ROAD DEVELOPMENT**



## 5. Observation and Remarks

The Assam state CAMPA has implemented CAMPA activities under four major categories, namely, Nursery management (1.5 ha and 3 ha nurseries), Plantation Management (SSP, Afforestation, Sal coppice, ANR and Apurugiya), Infrastructure & Road Developments (APCs, ATBs, FFCs, FGQs, FQs, RFOQs, WTs, etc., and improvement & maintenance of forest roads and EPTs) & Other Works (TCDs and SAs). The performances of these activities, which were executed under the CAMPA in both the periods of 2017-18 to 2018-19, have been assessed and the evaluation methodology as well as the findings have been discussed in the above-mentioned sections.

Following are the observations & remarks identified based on the inputs received from the field evaluators:

- A. During the monitoring and evaluation process, it was found that nursery/plantation-related works, such as preparation of nursery beds, weeding, maintenance, etc., and civil works for protection mechanism, such as construction of RCC poles, fencings, signboards, etc., were combined with the same scope of work for interested agencies/contractors who had applied for the civil works. However, it is to be noted that the expertise required for nursery/plantation-related works is different from that of civil works, and not many contractors involved in civil works will have the field knowledge to carry out nursery/plantation-related works. Hence, for better quality of output in nursery and plantation activities, it is suggested that only experienced /competent agencies in such areas or Forest Department itself, should carry out works.

### 1. Nurseries:

- B. It was observed that in a few cases funds were not released on time/delayed for the improvement as well as maintenance of the continued nurseries which resulted in low percentage of poly pot seedlings. One example is of Nagaon SF Division. Hence, timely disbursement of funds should be done for efficient and effective management of the CAMPA nurseries.

- C. During onsite visit of one 1.5 ha nursery in Dhemaji Forest Division, the field staff confirmed that the nursery was abandoned since 2017, however, on verification of documents it was found that fund was released for the financial year 2018-19. Similarly, during the visit to one 1.5-ha and one 3-ha nursery in Hailakandi Forest Division, respective field staff informed that both the nurseries were discontinued in 2017-18, but after verification of UC and nursery journal, it was found that funds were sanctioned and utilized in the year 2018-19 as well. However, no polypots were found in the 1.5 ha nursery and no new seedlings were found in the 3-ha nursery. The discrepancy in information needs to be checked because these nurseries were not found in the list of discontinued nurseries.
- D. In Baksa division, a nursery of 1.5 ha nursery was found in poor condition because it was completely damaged by river, and there were no polypots available. As this site was not suitable for nursery, Forest department may take suitable action to either shift the site or discontinue this nursery. Furthermore, the site suitability of the place where nurseries are to be established should be reviewed by respective Forest Divisions Officers before finalizing the sites and allocating it for creation.

## **2. Plantations:**

- E. In most of the plantations, plantation journals and other documents were found on site and were in order except in one case of Sal coppice plantations located in Kuls Range under Kamrup West Forest Division. It was confirmed by the Range Forest Officer of Kuls Range and Technical Assistant of Kamrup West division that disciplinary action has been initiated by the Forest Department against the previous Range Forest Officer for the misuse of fund that was released for implementing maintenance of the plantation.
- F. Further during field visit of 50 ha Afforestation plantation (maintenance) located in Ultapani Range under Haltugaon division in BTC Kokrajhar Circle, the field evaluators found that the plantation was destroyed by local villagers. Also, the documents under Ultapani range were damaged due to fire in the office, which was set by the local



villagers, and an FIR was shown in its support. There appears some social problem in the region because a few incidents of illegal encroachment were also noticed. In order to check such activities and to protect the forest, Forest Department may like to deploy more field staff and undertake some special programmes/ activities involving local people to create awareness for forest protection and maintain a cordial relationship with them.

### **3. Infrastructures:**

- G. **Forest roads:** Most of the forest roads inspected have been maintained well. It was observed that in one case, a few stretches of sloppy portions of a 25 km forest patrolling path in AIE valley division, Bongaigaon were eroded. It was found that fund was disbursed only once for the improvement and maintenance of forest roads in the year 2017-18. Hence, release of some funds to ensure proper maintenance of the patrolling roads in such sloppy areas is suggested.
- H. **Buildings:** In Kaziranga National Park, there was a slight mismatch of GPS co-ordinates of two infrastructures, one ATB in Kohora Range and one APC in Eastern Range, compared to what was provided by the Assam State CAMPA. However, buildings were found to be constructed exactly as per plan and estimate. GPS coordinates of these two sites therefore be rechecked and corrected.

## 6. Assessment Team Profiles

Sl. No.	Team	Profile
1.	Dr. Devendra Pandey, Project Head	Dr. Devendra Pandey, IFS (retd), Project Head. He is former PCCF (HoFF) of Arunachal Pradesh & DG Forest Survey of India. He has more than 35 years of experience in forestry management, including working as consultant to FAO and other International organizations on forest resource assessment and monitoring. He is Ph. D in Forestry (Sweden) and M. Sc (Statistics).
2.	Ms. Taruna Singh Project Manager	Ms. Taruna Singh, Project Manager, Natural Resource Division (NRD), GIPL, Noida Head office, is involved in auditing of various sustainability standards including FSC and NCCF-PEFC Forest Management. She is a trained Lead Auditor for Global Sustainable Tourism Council Standards for Hotel industry and Tour operators, and trained auditor for Alliance for Water Stewardship sustainability standard. She is working in a technical committee for developing National Specific Forest Stewardship Council (FSC) India standard for FSC International Germany, and also with Network for Certification and Conservation of Forests (NCCF) for developing country-specific standard in the field of Forest & Biodiversity. She holds a master's degree in Environmental Sciences, PG diploma in Environmental Law and Policy from NLU, New university.
3.	Ms. Poree Buragohain, Senior Project Officer	Ms. Poree Buragohain is Senior Program Officer, NRD, GIPL office, Guwahati. She has a work experience of 3 years and 4 months in Project works & Technical Review of audit reports, along with an experience of 4+ years in Copy Editing. She is post graduate in Microbiology from Oxford College of Biological Sciences, Bangalore University. She has worked on previous CAMPA M&E project named 'Monitoring and Evaluation of CAMPA activities undertaken by the Assam Forest Department from 2014-15 to 2016-17', and another project named 'Assessment and study of Agarwood and Bamboo species in Non-forest areas of Assam'.



4.	Mr. Sidharth Borah, Project Officer and Coordinator	Mr. Sidharth Borah, Project Officer, NRD, GIPL Office, Guwahati is a post-graduate in Environmental Studies & Resource Management from TERI School of Advanced Studies, New Delhi. He has also completed post-graduation diploma in GIS & RS with specialization in Forestry & Ecology from Indian Institute of Remote Sensing, ISRO, Dehradun. His areas of expertise include GIS-based analysis, GPS surveys, digital image processing, qualitative & quantitative research, stakeholder consultations, field monitoring and evaluation of projects.
5.	Mr. Ishaan Chahal, Project Officer	Mr. Ishaan Chahal, Project Officer, NRD, GIPL Office, Guwahati is a post-graduate in Environmental Studies & Resource Management from TERI School of Advanced Studies, New Delhi. He has 1.5 yr. experience of working in research-based projects. His areas of expertise include: Livelihood based studies, community-based studies, and preparation of management-based plans, organizing stakeholder consultations.
6.	Mr. Prandip Nath, Support Services	Mr. Prandip Nath is Assistant Manager, Accounts and Administration, GIPL office Guwahati. He is MBA from Apar India Institute of Management Technology, New Delhi and has work experience of 11 years.
<b>Field Evaluators</b>		
7.	Mr. Jiten Chandra Das	Mr. Jiten Chandra Das is a retired forest ranger. He was one of the field evaluators who visited and assessed CAMPA activities for the project, 'CAMPA monitoring and evaluation works for the periods of 2017-18 and 2018-19'.
8.	Mr. Narayan Chandra Kalita	Mr. Narayan Chandra Kalita is a retired forest ranger. He was one of the field evaluators who visited and assessed CAMPA activities for the project, 'CAMPA monitoring and evaluation works for the periods of 2017-18 and 2018-19'.
9.	Dr. Binoy Barman	Mr. Binoy Barman Sharma has completed his PhD from the Department of Geology, Mizoram. He was one of the field evaluators who visited and assessed CAMPA activities for the project, 'CAMPA monitoring and evaluation works for the periods of 2017-18 and 2018-19'.
10.	Mr. Prakash	Mr. Prakash Bishwakarma is pursuing his PhD from the Department of

	Bishwakarma	Environmental Sciences, IP University, Delhi.
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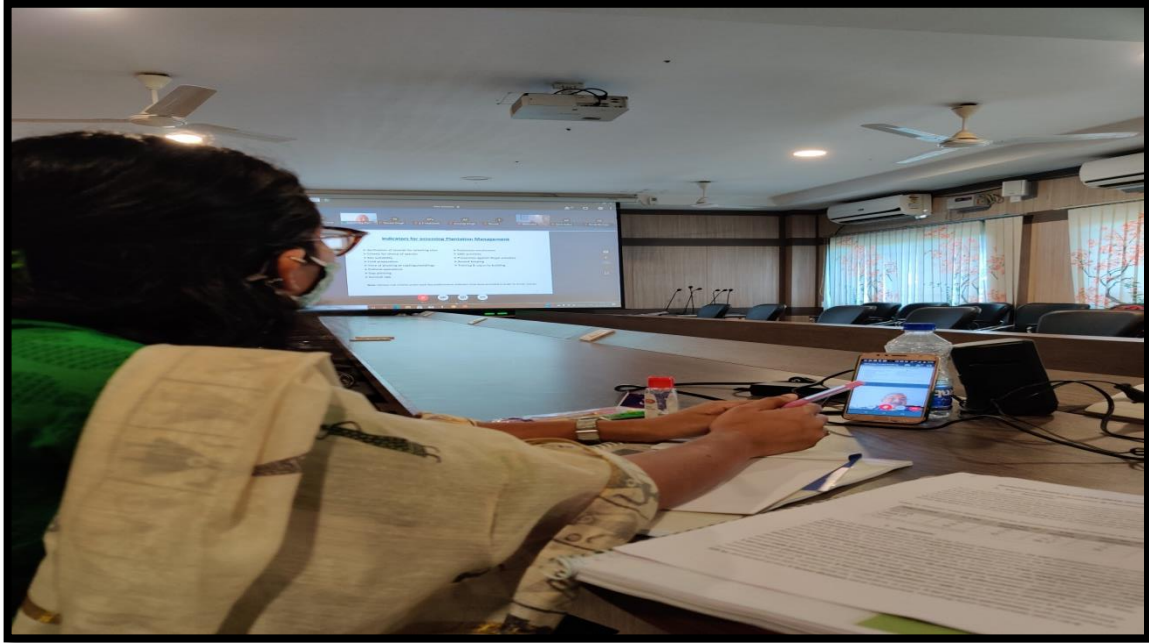
## 7. Photo Plates

### TRAINING OF FIELD STAFF AT GIPL GUWAHATI OFFICE









**PRESENTATION OF INTERM REPORT AT ASSAM STATE FOREST DEPARTMENT'S OFFICE**

## NURSERY MANAGEMENT



**A. 3 ha nursery cum resource center, Khoraghat range, Parbatjhora division**





**B. 1.5 ha nursery, Bishmuri range, SF Kokrajhar division**





**C. 1.5 ha nursery, Lakhipur, SF Goalpara division**



**D. 3 ha nursery (discontinued), Srigrām, Dhubri division**





**E. 1.5 ha nursery, Hawaithang range, Cachar division**



**F. 1.5 ha nursery, JV range, Nagaon South Division**





**G. 1.5 ha nursery (discontinued), Dongkmukam range, Hamren division**



**H. 3 ha nursery, Lohpohia range, Jorhat division**





**I. 1.5 ha nursery, Pabhoi range, Sonitpur East**



**J. 1.5 ha nursery, Panbari, SF Golaghat division**



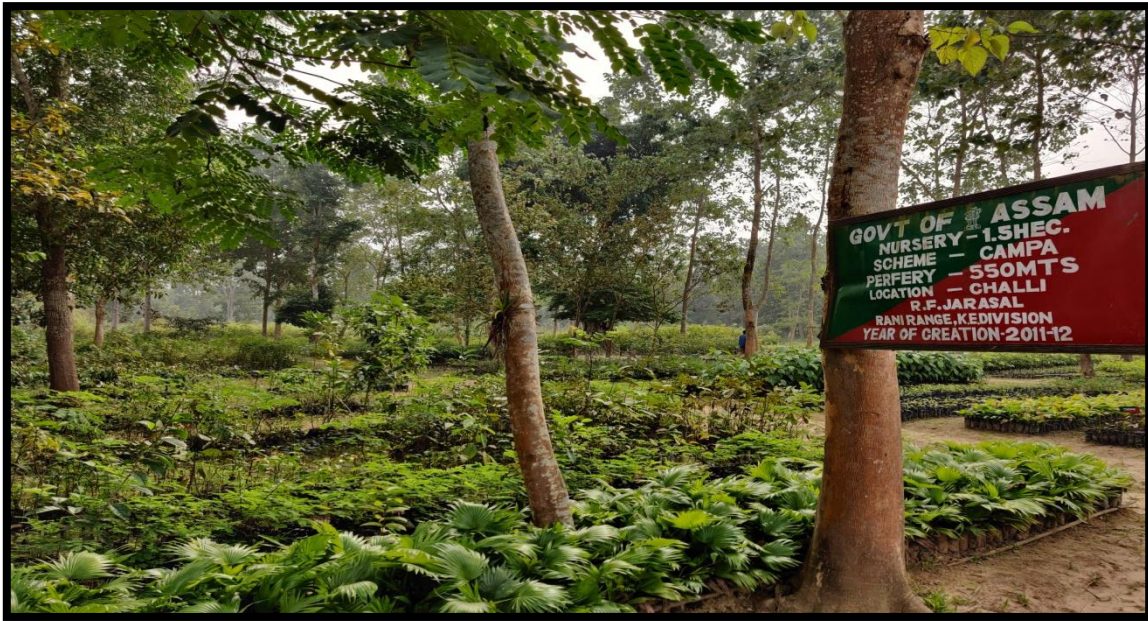


**K. 1.5 ha nursery, Samaguri SF Range, SF Nagaon division**



**L. 1.5 ha nursery, Modhupur beat, Dibrugarh division**





M. 1.5 ha nursery, Rani range, Kamrup East Division



N. 3 Ha nursery, SF Guwahati division



## PLANTATION MANAGEMENT



**A. 16 ha Sal Coppice plantations (creation), Jangirkilla II, Parbatjhora division**



**B. 50 ha ANR plantations (creation), Ramsarbar, SF Kokrajhar division**





**C. 20 ha Afforestation plantations (creation), Bhowriakhata, SF Bongaigaon division**



**D. 50 ha Afforestation plantations (maintenance), Ultapani, Haltugaon division.**





**E. 94.94 ha SSP plantations (maintenance), Kukicherra range, Hailakandi division**



**F. 40 ha Afforestation plantations (creation), R.K. Nagar SF range, SF Karimganj division**





**G. 20 ha SSP plantations (maintenance), ManjaAff. range, Northern Afforestation division**



**H. 40 ha ANR plantations (creation), Harmutty range, Lakhimpur division**





**I. 5 Ha ApurugiyaBrikhya Plantation, Salona, Northern range,**



**J. 5 Ha ApurugiyaBrikhya Plantation, Singra range, Kamrup West**





**K. 50 ha Sal Coppice Plantations, Kulsi range, Kamrup West**



**L. 74.43 Ha SSP Plantations, Chariduar range, Sonitpur West**



## **INFRASTRUCTURE & ROAD DEVELOPMENT**



**A. Forest Guard Quarter, Boitamari, AIE Valley division**



**B. Anti-poaching camp, Bashbari range, Manas National Park**





C. Range Office Quarter, Baksa division.



D. Forester Quarter, Sanfan range, Kachugaon division.



**E. Range Office Quarter, Monierkhal range, Cachar division**



**F. Forest Guard Quarter, Kohora range, Kaziranga National Park**





**G. Forest Guard Quarter, Loharghat range, Kamrup West**



**H. Elephant Proof Trench, Digboi division**





**I. Forest Guard Quarter, Jonai range, Dhemaji division**



**J. Forest Guard Quarter, South Guwahati range, Kamrup East**





**K.Assam Type Barrack, Amchang Forest range, Guwahati Wildlife**

## 8. Annexures

Annexure 1: Checklist templates for Nursery Management, Plantation Management, Infrastructure & Road Developments, and Other Works.

<b>CHECKLIST 1: NURSERY MANAGEMENT</b>					
<b>Date of Assessment(s)</b>					
<b>Name of PIU (Forest Division)</b>					
<b>GPS Coordinates:</b>					
<b>Name of Circle:</b>					
<b>Field Assessment Team Member(s)</b>					
<b>Nursery Type (Creation or Maintenance)</b>					
<b>Meeting Records</b>					
<b>Name</b>	<b>Designation</b>	<b>Contact details</b>	<b>Comments, if any</b>		
<b>Performance Indicators</b>	<b>Criteria</b>	<b>Indicator Score# (0*-10)</b>	<b>Indicative Guidance</b>	<b>Justification for Score/Remarks</b>	<b>Whether Qualitative/Quantitative</b>
<b>Survival percentage</b>	<b>Number of surviving plants in the polybags divided by number of polybags in randomly selected beds (10)</b>		<b>&gt;=75% --&gt; 8-10 &lt;75% &amp; &gt;=50% --&gt; 5-7 &lt;50% --&gt; 1-4</b>		NA
<b>Health Assessment</b>	<b>(i) Foliage growth evaluation (Height,</b>		<b>If 4 criteria fulfilled --&gt; 9-10</b>		



	girth, etc.) (3)		<b>If 3 criteria fulfilled --&gt; 7-8</b> <b>If 2 criteria fulfilled --&gt; 5-6</b> <b>If &lt;2 criteria fulfilled --&gt; 1-3</b>		
	(ii) Rooting stretching outside the poly bag (2)				
	(iii) Spacing between the seedlings/saplings (2)				
	(iv) Pest & Pathogenic attack (3)				
	<b>Total</b>				
<b>Maintenance assessment</b>	(i) Drainage/watering system (2)		<b>If 6 criteria fulfilled --&gt; 9-10</b> <b>If 4-5 criteria fulfilled --&gt; 7-8</b> <b>If 3 criteria fulfilled --&gt; 5-6</b> <b>If &lt;3 criteria fulfilled --&gt; 1-4</b>		
	(ii) Protection mechanism - Greenhouse/Sheds etc. (2)				
	(iii) Status of weeding (2)				
	(iv) Maintenance of the paths & roads within the nursery (1)				
	(v) Use of organic manure and fertilizers (1.5)				
	(vi) Nature of containers/pots (1.5)				
	<b>Total</b>				
<b>Sustainability</b>	(i) Production of seedlings as per stated norms & guidelines (6)		<b>If guidelines are -- &gt;100% followed --&gt; 5-6</b> <b>If guidelines are followed 75-99% -- &gt; 3-4</b> <b>If guidelines are followed less than 75% --&gt; 1-2</b> <b>-&gt;Upto 80% seedling distributed/planted --&gt; 0-2 marks</b> <b>60%-80% seedling distributed/planted --&gt; 3-4</b>		Quantitative
	(ii) Percentage of seedling planted on-site or distributed to the public as per norms/guidelines (4)				Quantitative
	<b>Total</b>				

<b>Package of practices</b>	<b>i) Compliance with the CAMPA guidelines &amp; norms directed by Assam State CAMPA (3)</b>		If only criteria (i) are fulfilled --> 3 If (ii) to (v) criteria are fulfilled --> 1-7		NA
	<b>ii) Sourcing of planting material (wild seedling, Plus tree, (1)</b>				Quantitative
	<b>iii) Soil Media composition (3)</b>				NA
	<b>iv) Application of fertilizers and pesticides as per the norms (2)</b>				NA
	<b>v) Transportation of seedlings as per the norms (1)</b>				NA
	<b>Total</b>				
<b>Physical target/achievement</b>	<b>Based on the verification of documents and norms (10)</b>		100% Physical target achieved & complete records --> 10 75% - 99% target achieved & record status --> 7 -9 50%-74% & record status --> 5 -7 Less 50% and record status --> 0 to 4		Quantitative
<b>Financial target/achievement</b>	<b>Based on the utilization certificate and sanction letters (10)</b>		100% target achieved --> 10 75%-99% target achieved --> 7 -9 50%-74% --> 5 -7 Less 50% and record status --> 0-4		Quantitative
<b>Stock utilization</b>	<b>Stock register -&gt; Utilization of seedling stock and updation of register (10)</b>		Scoring to be done based on the records, evidences and observations		Quantitative
<b>Damage to seedlings/saplings</b>	<b>Percentage of Damage and maintenance of the record due to careless handling and</b>		Updated records - 8-10, depending upon information recorded Incomplete/No		Quantitative



	during transportation from nursery to plantation site (10)		records - 0-7		
Training & capacity building	(i) Interaction with nursery staff to judge their level of knowledge (4)		Scoring to be done based on the evidences and field observations		Qualitative
	(ii) No. of Training/workshop on capacity building based on the availability of (4)				Qualitative
	(iii) Training records/documents (2)				Quantitative
	Total				
Record-keeping	Overall record keeping activity (3)		Scoring to be done based on the evidences and field observations		
	Safe storage and efficient management of the records (3)				
	Following Guidelines issued from Assam state forest department & HOFF Office (4)				
	Total				
Protection Mechanism	(i) Maintenance of boundary and fencing of nursery (3)		Scoring to be done based on the evidences and field observations		Quantitative
	(ii) Status of watch and ward round the clock (4)				Quantitative
	(iii) Measures taken to protect against wild/other animals (3)				Quantitative
	Total				
<b><i>*In case no criteria are fulfilled, 0 shall be assigned to the Performance Indicator</i></b>					
<b><u>Any other Remarks:</u></b>					

<b>CHECKLIST 2: PLANTATIONS</b>					
<b>Date of Assessment(s)</b>					
<b>Name of PIU (Forest Division)</b>					
<b>GPS Coordinates:</b>					
<b>Name of Circle:</b>					
<b>Field Assessment Team Member(s)</b>					
<b>Plantation Type (Creation or Maintenance)</b>					
<b>Meeting Records</b>					
<b>Name</b>	<b>Designation</b>	<b>Contact details</b>	<b>Comments, if any</b>		
<b>Performance Indicators</b>	<b>Criteria</b>	<b>Indicator Score(0*-10)</b>	<b>Indicative Guidance for scoring</b>	<b>Justification for Score/Remarks</b>	<b>Whether Qualitative/Q uantitative</b>
<b>Verification of Records for selecting site</b>	<b>(i) Verification of the record to find the objective of the Forest land conversion like infrastructure, irrigational projects or evacuation of Jhum cultivators against which the CAMPA land has been allocated (5)</b>		<b>If all documents/records are provided and verified --&gt; 5 in each case</b>		<b>Qualitative</b>
	<b>(ii) Verification of NOC for compensatory land provided by Deputy Commissioner (DC) - (5)</b>				<b>Qualitative</b>
	<b>Total</b>				



Criteria for choice of species**	(i) Species Suitability to the site conditions (3)		If 4 criteria fulfilled --> 9-10 If 3 criteria fulfilled --> 7-8 If 2 criteria fulfilled --> 5-6 If < 2 criteria fulfilled --> 1-4 **This is applicable for creation of plantations only. It is not applicable in the case of maintenance of plantations.		Both (Qual./Quant )
	(ii) Selection of indigenous species/ suitability to the local people/conditions (2)				
	(iii) Should be able to withstand severe competition with weeds and environmental distress (2)				
	(iv) Should be possibly fast growing and high yielding (3)				
	Total				
Site suitability	(i) Compliance of the type of plantation with the management plan/guidelines/norm of the State CAMPA (4)		If 2 criteria fully met --> 10 If 2 criteria partially met --> 4-9 If the site is not suitable --> 0 -3		Qualitative
	(ii) Soil, moisture and climate conditions of the site should be able to support the growth of species - (6)				
	Total				
Field preparation	(i) Verification of the field position of the plantation site with GPS, plantation journal and other records (3)		Evaluation team is required to verify GPS points, Maps and working journal with Plantation Journal. If GPS points matches recorded points - -> 3 marks otherwise 0 marks		
	(ii) Advance works like preparation of land by digging and soil work, removal of		Scoring to be done based on the evidencesand field		Qualitative

	weeds and if required controlled slash burning (3)		observations		
	(iii) Construction works for Soil Moisture Conservation (2)				
	(iv) Spacing and demarcating of pits specially in case of new plantations (2)		To verify spacing as per prescribed norms		
	<b>Total</b>				
Time of planting of seedling/saplings	(i) Verification based on local norms and local practices keeping in mind the climate (6)		To be verified as per the prescribed norms and as mentioned plantation journal		Qualitative
	(ii) Recording done in the plantation journal/register. (4)				
	<b>Total</b>				
Cultural operations	(i) Verifying weeding around seedlings, casualty replacement and cleaning in the field (6)		Scoring to be done based on the evidences and field observations. For example - 0 to 6 marks for quality of cultural operations. Scoring to be done based on the updation level of the records --> 0-4		Qualitative
	(ii) Verification with plantation register - dates when the cultural operations were carried out (4)				
	<b>Total</b>				
Gap planting	(i) Verification with plantation journal (4)		Scoring to be done based on the updation level of the journal 0-4. Scoring to be done based on the percentage of gap- > 0 to 6		Quantitative
	(ii) Field verification about the %age of the gap planting (6)				



	<b>Total</b>				
<b>Survival rate</b>	<b>By physical count of the surviving seedlings and total number of pits (10)</b>		<b>&gt;=75% --&gt; 8-10 &lt;75% &amp; &gt;=50% --&gt; 5-7 &lt;50% --&gt; 1-4</b>		<b>Quantitative</b>
<b>Protection mechanism</b>	<b>(i) Condition of Fencing around the plantation as per plan (4)</b>		<b>Good condition - 3-4 marks Fair condition - 2 marks Poor condition - 0 -1 marks</b>		<b>Both (Qualt. /Quant)</b>
	<b>(ii) Availability as well as maintenance of camp huts for watchers (4)</b>		<b>Availability &amp; good condition - 4 marks Availability &amp; Fair condition - 2-3 marks Availability &amp; Poor condition - 1 marks No availability - 0 marks</b>		
	<b>(iii) Biotic interferences during the time of evaluation like grazing, illegal felling, encroachment or for Jhum cultivation (2)</b>		<b>High biotic pressure/interference --&gt; 0 marks No biotic pressure --&gt; 2 marks</b>		
	<b>Total</b>				
<b>SMC Activities</b>	<b>(i) Drainage line treatment (2)</b>		<b>Availability &amp; good condition - 4 marks Availability &amp; Fair condition - 2-3 marks Availability &amp; Poor condition - 1 marks No availability - 0 marks</b>		<b>Both (Qualt. /Quant)</b>
	<b>(ii) Verification through plantation journal or MB book and also verifying as per the norms (2)</b>				
	<b>(iii) Erosion-control measures (3)</b>				
	<b>(iv) Maintenance of water tanks or streams if any within the plantation site (3)</b>				
	<b>Total</b>				

Prevention against Illegal activities	Interviewing the field staff for the constraints related and level to biotic interference in plantation area (2)		No interference - > 2 marks Medium Interference -> 1 marks High Interference -> 0 marks		Both (Qualt. /Quant)
	Physically observations the marks of illegal activity including encroachment in the site (5)		No evidence of illegal activity --> 3-4 marks		
	Availability of watch guards (3)		Presence of watch guards - 3 - 4		
	Total				
Record-keeping	Safe storage and maintenance of the official records (4)		Scoring to be done based on the evidences and field observations.		Both (Qualt. /Quant)
	Time-to-time updating of records (3)				
	Verification of records & documents at Divisional level, Range level and plantation level (3)				
	Total				
Training and capacity building	Interaction with nursery staff to judge their level of knowledge (4)		Scoring to be done based on the evidences, field observations as well as knowledge of plantation staff.		Both (Qualt. /Quant)
	No. of Training / workshop on capacity building based on the availability of (4)				
	Traning records/documents (2)				
	Total				
<b><i>*In case no criteria is fulfilled, 0 shall be assigned to the Performance Indicator</i></b>					
<b><u>Any other Remarks:</u></b>					



### CHECKLIST 3: INFRASTRUCTURE & ROAD DEVELOPMENT

<b>Date of Assessment(s)</b>					
<b>Name of PIU (Forest Division)</b>					
<b>GPS Coordinates:</b>					
<b>Name of Circle:</b>					
<b>Field Assessment Team Member(s)</b>					
<b>Meeting Records</b>					
<b>Name</b>	<b>Designation</b>	<b>Contact details</b>	<b>Comments, if any</b>		
<b>Performance Indicators</b>	<b>Criteria</b>	<b>Indicator Score(0*-10)</b>	<b>Indicative Guidance for scoring</b>	<b>Justification for Score/Remarks</b>	<b>Whether Qualitative/ Quantitative</b>
<b>Plan, estimate &amp; approval</b>	<b>Assessment based on records maintained (10)</b>		<b>To be matched as per the approved plan. If it - Matches 100% - -&gt; 10 marks In case if it is not matching, then marking will be as the %age of work completed.</b>		<b>Qualitative</b>
<b>Material Testing</b>	<b>Assessment based on the records maintained (10)</b>		<b>100% records complete --&gt; 10 75%-99% records complete --&gt; 7 - 9 50%-74% --&gt; 5 - 7</b>		<b>Qualitative</b>

			Less 50% and record status --> 0-4		
Physical target/achievement	(i) Based on the verification of the records maintained (5)		100% Physical target achieved & complete records --> 10 75% - 99% target achieved & record status --> 7-9 50%-74% & record status --> 5-7 Less 50% and record status --> 0 to 4		Both (Qualt. /Quant)
	(ii) Physical Measurement of the building & road dimensions and tallying with the plan and design (5)				
	<b>Total</b>				
Financial target/achievement	Based on the verification of the sanction letter and also Utilization certificate (10)		100% target achieved --> 10 75%-99% target achieved --> 7-9 50%-74% --> 5-7 Less 50% and record status --> 0-4		Quantitative
<i>*In case no criteria is fulfilled, 0 shall be assigned to the Performance Indicator</i>					
<u>Any other Remarks:</u>					

CHECKLIST 4: TRAINING & CAPACITY DEVELOPMENT						
Date of Assessment(s)						
Name of PIU (Forest Division)						
GPS Coordinates:						
Name of Circle:						
Field Assessment Team Member(s)						
Meeting Records						
Name	Designation	Contact details	Comments, if any			



Performance Indicators	Criteria	Indicator Score (0*-10)	Indicative Guidance for scoring	Justification for Scoring	Whether Qualitative /Quantitative
Level of trainings	(i) Interview of the frontline staff (5)		Scoring to be done based on the level of awareness during interaction with the frontline staff.		Qualitative
	(ii) Based on records & official documents (5)				
	<b>Total</b>				
Objectives of trainings	Assessment based on the records & official documents (10)		Scoring to be done based on the evidences and field observations		Qualitative
Outcomes	(i) Level of knowledge of the staff (5)		Scoring to be done based on the evidences and field observations		Qualitative
	(ii) Assessment based on the records & official documents like training records,pictures,Minutes of the meeting records etc. (5)				
	<b>Total</b>				
Physical target/achievement	(i) Personal interaction with staff (4)		Scoring to be done based on the evidences and field observations		Quantitative
	(ii) Assessment based on the records & official documents (6)				
	<b>Total</b>				
Financial target/achievement	Assessment based on the verification of the sanction letter and expenditure booked (10)		100% target achieved --> 10 75%-99% target achieved --> 7 - 9 50%-74% --> 5 -7 Less 50% and		Quantitative

			record status -- > 0-4			
<i>*In case no criteria is fulfilled, 0 shall be assigned to the Performance Indicator</i>						
-						



ANNEXURE 2: FIELD ITINERARY OF THE TEAMS TO CARRY OUT FIELD VISITS IN & AROUND GUWAHATI, UPPER & NORTHERN ASSAM, LOWER ASSAM, AND CENTRAL & BARACK VALLEY.

**Zone 1: - In and around Guwahati**

J. Total number of Forest Divisions: 07

K. Total number of Forest Divisions included after sampling: 07

L. Total number of days required to complete field visits in and around Guwahati: 06

Field work Dates: 23<sup>rd</sup> and 28<sup>th</sup> to 30<sup>th</sup> September 2020 and 14<sup>th</sup>, 15<sup>th</sup>, and 19<sup>th</sup> October 2020

**TABLE 13: PROPOSED ITINERARY FOR FIELD VISITS IN AND AROUND GUWAHATI**

Date	Division	CAMPA Activities to be Visited	
		Name	Number
Day-01 & Day-02 (23 <sup>rd</sup> & 24 <sup>th</sup> September 2020)	Kamrup West	1.5 ha nursery	01
		Afforestation plantation	01
		Sal coppice plantation	01
		Apurugiya Brikhya Plantation	01
		Forest Guard Quarter	01
		Assam Type Barrack	01
Day-03 (25 <sup>th</sup> September 2020)	North Kamrup	Forester Quarter	01
	Assam Forest School, Jalukbari	Forest Guard Quarter	01
		Training & Capacity Development Facility	01
Day-04 (28 <sup>th</sup> September 2020)	Guwahati Wildlife	Assam Type Barrack	02
	Assam State Zoo	Assam Type Barrack	01
		Training & Capacity Development Facility	01
		SF Guwahati	3 ha nursery
Day-05 & Day-06 (29 <sup>th</sup> & 30 <sup>th</sup> September 2020)	Kamrup East	1.5 ha nurseries	01
		Afforestation plantations	02
		Sal coppice plantation	01
		Apurugiya Plantations	01
		Site-specific Plantations	01
		Forest Guard Quarter	03
		Staff Amenities	01

## Summary of In and around Guwahati

Sampling as per zones	Other works	
	Training & Capacity	Staff Amenities
Total 'other works' in Guwahati	02	02
Sampled 'other works'	02	01

Sampling as per zones	Continued Nurseries	
	1.5 ha	3 ha
Total continued nurseries in and around Guwahati	02	02
Sampled nurseries	01	01

Sampling as per zones	Discontinued Nurseries	
	1.5 ha	3 ha
Total discontinued nurseries in and around Guwahati	03	01
Sampled nurseries	01	00

Sampling as per zones	Plantations (Both maintenance & creation)				
	Site-specific plantations	Afforestation	Sal coppice	ANR plantations	Apurugiya plantations
Total plantations in and around Guwahati	01	04	02	00	02
Sampled plantations	01	03	02	00	02



## **Zone 2: Central Assam and Barak Valley**

- Total number of Forest Divisions: 13
- Total number of Forest Divisions included after sampling: 11
- Total number of days required to complete field visits in Central Assam: 22 days

**Field work Dates:** 25<sup>th</sup> November 2020 to 16<sup>th</sup> December 2020

**Field team:** 1 RFO and 1 PhD Scholar

**TABLE 14: PROPOSED ITINERARY FOR FIELD VISITS IN CENTRAL ASSAM AND BARAK VALLEY**

<b>Field Itinerary for Central Assam and Barak Valley 25<sup>th</sup> November – 16<sup>th</sup> December 2020</b>			
<b>Date</b>	<b>Division</b>	<b>CAMPA Activities to be Visited</b>	
		<b>Name</b>	<b>Number</b>
<b>Day 1 - November 25 (Travelling from Guwahati to Hailakandi)</b>			
Day - 02 & Day - 03 (26th & 27th November)	Hailakandi	1.5 ha nursery	1
		3 ha nursery	1
		SSP Plantation	1
		Forester Quarter	1
Day -04 (28th November)	Karimganj	1.5 ha nursery	1
		Forester Quarter	1
Day - 05 & Day -06 (29th & 30th November)	SF Karimganj	SSP Plantation	1
		Forester Quarter	1
		Afforestation plantation	2
<b>Night travel from SF Karimganj to Cachar on Day 06 (30<sup>th</sup> November)</b>			
Day - 07 to Day -09 (1st to 3rd December)	Cachar	1.5 ha nursery	1
		3 ha nursery	1
		SSP plantation	2
		ANR plantation	1
		Apurugiya Brikhya plantation	1
		Forester Quarter	1
Day -10 (4th December)	SF Silchar	1.5 ha nursery	1
		SSP plantation	1
		Afforestation plantation	1
<b>Day travel from SF Silchar to Dima Hasao West on Day - 11 (5th December)</b>			
Day - 12 (6th December)	Dima Hasao West	1.5 ha nursery	2
		Assam Type Barrack	1
Day - 13 (7th December)	Dima Hasao East	Assam Type Barrack	1
<b>Day travel from Dima Hasao East to Southern Afforestation on Day - 14 (8th December)</b>			
Day -15 & Day -16 (9th & 10th December)	Southern Afforestation	3 ha nursery	1
		Afforestation plantation	1
		ANR plantation	2
		Forester Quarter	1
<b>Day travel from Southern Afforestation to Hamren on Day - 17 (11th December)</b>			

Day -18 (12th December)	Hamren	1.5 ha nursery	1
		SSP plantation	1
Day -19 (13th December)	Northern Afforestation	SSP plantation	1
Day -20 & Day -21 (14th & 15th December)	Nagaon South Division, Hojai	Afforestation plantations	2
		SSP Plantation	1
		1.5 ha nursery	2
		Assam Type Barrack	1
		Training & Capacity Development	1
<b>Travelling back to Guwahati from Hojai on Day - 22 (Day travel) -16<sup>th</sup>December2020</b>			

### Summary of Central Assam

Sampling as per zones	Other works	
	Training & Capacity	Staff Amenities
Total 'other works' in Central Assam	01	00
Sampled 'other works'	01	00

Sampling as per zones	Continued nurseries	
	1.5 ha	3 ha
Total continued nurseries in Central Assam	05	04
Sampled nurseries	03	02

Sampling as per zones	Discontinued nurseries	
	1.5 ha	3 ha
Total discontinued nurseries in Central Assam & Barak Valley	10	02
Sampled nurseries	04	01



Sampling as per zones			Plantations (Both maintenance & creation)		
	Site-specific plantations	Afforestation	Sal coppice	ANR plantations	Apurugiya plantations
<b>Total plantations in Central Assam</b>	<b>12</b>	<b>08</b>	<b>00</b>	<b>03</b>	<b>01</b>
<b>Sampled plantations</b>	<b>08</b>	<b>06</b>	<b>00</b>	<b>03</b>	<b>01</b>

### **Zone 3: - Lower Assam**

- Total number of Forest Divisions: 17
- Total number of Forest Divisions included after sampling: 13
- Total number of days required to complete field visits in Lower Assam: 30 (approx.)

**Field work dates:** 8<sup>th</sup> October 2020 to 8<sup>th</sup> November 2020

**Team:** 1 RFO and 1 PhD Scholar

**TABLE 15: DIVISIONS COVERED OF PLANTATION (CREATION 2017-18 & 2018-19)**

Date	Division	CAMPA Activities to be Visited	
		Name	Number
<b>Day 1 -October 7 (Travelling from Guwahati to SF Kokrajhar)</b>			
<b>Day-02 and Day 3 (Oct 8 and Oct 9)</b>	SF Kokrajhar	Afforestation plantations (One 150 ha and One 25 ha)	2
		SSP Plantation (100 ha)	1
		1.5 ha nursery	2
		Sal Coppice (One 50 ha and one 75 ha)	1
		Apurugiya	1
		ANR	1
<b>Day-04, Day-05 and Day 6 (Oct 10-Oct 12)</b>	Haltugaon	1.5 ha nursery	2
		Sal Coppice (One 20 ha)	1
		Site-specific plantations (8.42 ha and 18.46 ha)	2
		Afforestation plantations (One 50 ha)	1
		Assam Type Barrack (2017-18)	1
<b>Day 7 and Day 8 (Oct 13-October 14)</b>	Kachugaon	Forest Guard Quarter (2017-18)	1
		Forester Quarter (2017-18)	1
		1.5 ha nursery	1
		SSP Plantation (100 ha)	1
		Afforestation plantations (One 50ha and one 25ha)	2
		Assam Type Barrack (2017-18)	1
<b>Night travel from Kachugaon to Chakrasila on Day 8 only or Day 9 Early Morning</b>			
<b>Day 9 (Oct 15)</b>	Chakrasila Wildlife Sanctuary	Anti-poaching camp (2017-18)	1
<b>Day 10 and Day 11(Oct 16 and Oct 17)</b>	Parbatjhora	3 ha nursery cum resource center	1
		Site-specific plantations (1.42 ha)	1
		Afforestation plantations (One 40 ha and One 50 ha)	2
		Forester Quarter (2018-19)	1
		Other works (Training and Capacity Building and One Staff Amenities)	2
		Sal Coppice (One 50 ha and one 33 ha)	2
<b>Travelling from Parbatjhora to Dhubri on Day 12 i.e., Oct 18 Sunday</b>			



<b>Day 13 and Day 14 (Oct 19 and Oct 20)</b>	Dhubri	SSP Plantation (3 ha)	1
		Afforestation plantations(75ha)	1
		1.5 ha nursery	1
		3 ha nursery	1
		Forester Quarter (2017-18)	1
		Other works (Training and Capacity Building)	1
		Forest Guard Quarter (2017-18)	1
<b>Day 15-Travel to SF Bongaigaon (Oct 21)</b>			
<b>Day 15 and Day 16(Oct 21-22)</b>	SF Bongaigaon	1.5 ha nursery	2
		Other works (Training and Capacity Building)	1
		Sal Coppice (one 50 ha)	1
		Afforestation plantations (One 25 ha and One 40 ha)	2
		Site-specific plantations (268.2 ha)	1
<b>Day 16 Travelling back to Guwahati, and Off from 22-25th due to Puja and Dussehra)</b>			
<b>Day 17 Travelling from Guwahati to AIE Valley i.e., 26th October</b>			
<b>Day 18 and Day 19(Oct 27-Oct 28)</b>	AIE Valley	1.5 ha nursery	2
		3 ha nursery	1
		Site-specific plantations (One 50.26 ha and one 7.82 ha)	2
		Afforestation plantations	1
		Sal Coppice (one 50 ha)	1
		Forester Quarter (2017-18)	1
		Forest Guard Quarter (2017-18)	1
		Assam Type Barrack (2017-18)	1
Other works (Training and Capacity Building)	1		
<b>Day 19 (Oct 28) Travelling from AIE valley to Goalpara</b>			
<b>Day 20(Oct 29)</b>	Goalpara	SSP Plantation (11 ha)	1
		Watch Tower (2018-19)	1
		1.5 ha nursery	1
		Sal Coppice (one 50 ha)	1
<b>Day 21-Goalpara to S.F. Goalpara i.e., Oct 30</b>			
<b>Day 21 and Day 22(30th Oct and 31st Oct)</b>	SF Goalpara	1.5 ha nursery	1
		3 ha nursery	1
		ApurugiyaBrikhya plantation	1
		Sal Coppice (one 25 ha)	1
		Forest Guard Quarter (2017-18)	1
Afforestation plantations (One 25 ha and One 50 ha)	2		
<b>Day 23 Sunday i.e., 1st Nov Travelling S.F. Goalpara to Manas Tiger Reserve</b>			
<b>Day 24 and Day 25 i.e., 2 Nov and 3rd Nov</b>	Manas Tiger Reserve	Anti-Poaching Camps (2017-18)	6
		Assam Type Barrack (2017-18)	1
		Forest Guard Quarter (2018-19)	1
<b>Day 26, Day 27 (4th Nov-5th Nov)</b>	Baksa	1.5 ha nursery	1
		Afforestation plantations (one 50 ha, one 25 ha and one 12 ha)	3
		Anti-Poaching Camps (2018-19)	1
		Range Officer Quarter (2018-19)	1
		Forester Quarter (2018-19)	1

Sampling as per zones		Plantations (Both maintenance & creation)	
<b>Day 28-Baksa to Dhansiri</b>			
<b>Day 28(6th Nov) and Day 29(7th Nov)</b>	Dhansiri	1.5 ha nursery	1
		3 ha nursery	1
		Afforestation plantations (one 5 ha and one 35 ha)	2
		Forester Quarter	1
		Anti-Poaching Camps (2018-19)	1
		Watch Tower (2018-19)	1

### Summary of Lower Assam

Sampling as per zones	Other works	
	Training & Capacity	Staff Amenities
<b>Total 'other works' in Lower Assam</b>	<b>06</b>	<b>04</b>
<b>Sampled 'other works'</b>	<b>04</b>	<b>01</b>

Sampling as per zones	Continued Nurseries	
	1.5 ha	3 ha
<b>Total continued nurseries in Lower Assam</b>	<b>20</b>	<b>07</b>
<b>Sampled nurseries</b>	<b>13</b>	<b>05</b>

Sampling as per zones	Discontinued Nurseries	
	1.5 ha	3 ha
<b>Total discontinued nurseries in Lower Assam</b>	<b>01</b>	<b>02</b>
<b>Sampled nurseries</b>	<b>00</b>	<b>01</b>



	Site-specific plantations	Afforestation	Sal coppice	ANR plantations	Apurugiya plantations
<b>Total plantations in Lower Assam</b>	<b>14</b>	<b>23</b>	<b>13</b>	<b>01</b>	<b>02</b>
<b>Sampled plantations</b>	<b>10</b>	<b>20</b>	<b>08</b>	<b>01</b>	<b>02</b>

#### Zone 4: Upper and North Assam

- Total number of Forest Divisions: 21
- Total number of Forest Divisions included after sampling: 18
- Total number of days required to complete field visits in Upper Assam: 33

**Field work dates:** 8<sup>th</sup> October 2020 to 13<sup>th</sup> November 2020

**Field Team:** 1 RFO and 1 PhD Scholar

TABLE 16. PROPOSED ITINERARY FOR FIELD VISITS IN UPPER ASSAM

Date	Division	CAMPA Activities to be Visited	
		Name	Number
<b>Day-01 (8th Oct)</b>	SF Nagaon	3 ha nursery	1
		1.5 ha Nursery	1
		Forest Guard Quarter	1
<b>Day-02 (9th Oct)</b>	SF Nagaon	Afforestation plantations	1
	Nagaon PCCF	Anti-Poaching Camp	1
<b>Day-03, Day-04 and Day 5 (10th to 12th October 2020)</b>	Nagaon	1.5 ha nursery	1
		ApurugiyaBrikhya plantation	1
		Site-specific plantations	1
		Afforestation plantations	1
		Forest Force Camp	1
<b>Day-05 (13th Oct) Travel to Kaziranga</b>			
<b>Day-06 (14th October)</b>	Kaziranga National Park	Anti-Poaching camps	4
		Forest Guard Quarter	1
		Assam Type Barrack	4
		Forest Force Camp	1
<b>Day-07(15th October) - Travelling to SF Golaghat from Kaziranga</b>			

<b>Day-07 (15th October)</b>	SF Golaghat	1.5 ha nursery	1
		Afforestation plantations	1
		Staff amenities	1
<b>Day-8 and Day 9(16th and 17th October)</b>	Golaghat	3 ha nursery	1
		Site-specific plantations	1
		Anti-poaching camp	2
		Forester Quarter	1
<b>Day 10 Sunday-Travel to Jorhat from Golaghat</b>			
<b>Day-11 &amp; Day-12(19th &amp; 20th October)</b>	Jorhat	3 ha nursery	1
		Afforestation plantations	1
		Forest road	1
		Forest Guard Quarter	1
		Training & capacity development	1
		Watch tower	1
<b>Day-13(21st October)</b>	SF Sivasagar	1.5 ha nursery	2
		Afforestation plantations	2
<b>Day-14 (22nd October)</b>	Sivasagar	Assam Type Barrack	1
		Site-specific plantations	1
<b>Day 14 Travelling back to Guwahati, and Off from 22-25th due to Puja and Dussehra)</b>			
<b>Day 15-Travel from Guwahati to Digboi i.e., 26th Oct</b>			
<b>Day-16 &amp; Day-17(27th &amp; 28th October)</b>	Digboi	1.5 ha nursery	1
		3 ha nursery	1
		Site-specific plantations	1
		Forest Road	1
		Elephant Proof Trench	1
<b>Day-18 (29th October)</b>	Tinsukia WL	Anti-Poaching Camps	1
<b>Day-19 &amp; Day-20 (30th &amp; 31st October)</b>	Doomdooma	1.5 ha nursery	2
		Afforestation plantations	1
		Assam Type Barrack	1
<b>Day 21-Travelling from Doomdooma to Dibrugarh</b>			
<b>Day-22 (2nd November)</b>	Dibrugarh	1.5 ha nursery	1
		Anti-Poaching Camps	1
		Forest Guard Quarter	1
<b>Day-23 &amp; Day-24 (3rd &amp; 4th Nov)</b>	Dhemaji	1.5 ha nursery	2
		Afforestation plantations	1
		ANR Plantations	1
		Forest Guard Quarter	2
		Training & Capacity Development	1
<b>Day-25 &amp; Day-26(5th &amp; 6th Nov)</b>	Lakhimpur	Site-specific plantations	1
		Afforestation plantations	1
		ANR plantations	1



		ApurugiyaBrikhya plantation	1
		Forest road	1
		Forest Guard Quarter	1
		Forester Quarter	2
<b>Day-27, Day-28 and Day 29 (7th to 9th Nov)</b>	SF Lakhimpur	1.5 ha nursery	1
		3 ha nursery	1
		Afforestation plantations	1
		Forester Quarter	1
		Staff Amenities	1
<b>Day-30 &amp; Day-31 (10th &amp; 11th Nov)</b>	Sonitpur East	1.5 ha nursery	1
		Afforestation plantations	2
		Elephant Proof Trench	1
		Training & capacity development	1
<b>Day-32 &amp; Day-33 (12th &amp; 13th November)</b>	Sonitpur West	1.5 ha nursery	1
		3 ha Nursery	1
		Site-Specific plantations	1
		Apurugiya plantations	1
		ANR plantations	1
		Afforestation plantations	1
<b>Travelling to Guwahati on Day 33 i.e. 13th Nov</b>			

### Summary of Upper Assam

Sampling as per zones	Other works	
	Training & Capacity	Staff Amenities
<b>Total 'other works' in Upper &amp; Northern Assam</b>	<b>08</b>	<b>03</b>
<b>Sampled 'other works'</b>	<b>04</b>	<b>02</b>

Sampling as per zones	Continued nurseries	
	1.5 ha	3 ha
Total continued nurseries in Upper & Northern Assam	20	09
Sampled nurseries	13	05

Sampling as per zones	Discontinued nurseries	
	1.5 ha	3 ha
Total discontinued nurseries in Upper & Northern Assam	07	02
Sampled nurseries	01	01

Sampling as per zones	Plantations (Both maintenance & creation)				
	Site-specific plantations	Afforestation	Sal coppice	ANR plantations	Apurugiya plantations
Total plantations in Upper & Northern Assam	09	14	00	03	03
Sampled plantations	06	12	00	03	03



ANNEXURE 3: LETTER FROM ASSAM STATE FOREST DEPARTMENT REGARDING THE CLARIFICATION ON ABANDONED NURSERIES.

GOVERNMENT OF ASSAM  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS  
& HEAD OF FOREST FORCE : ASSAM  
ARANYA BHAWAN, ASSAM  
PANJABARI : : GUWAHATI-781037.

By E-Mail

*Discontinued*

Phone No. (Off.): 0361 2221591

E-mail [pefcampa@gmail.com](mailto:pefcampa@gmail.com)

No. FG.27/CAMPA/Nursery/Vol-III

Dated: Guwahati, the 21<sup>st</sup> Sept./2019

To,

1. The Chief Conservator of Forests, Dima Hasao District, Haflong.
2. The Chief Conservator of Forests, Central Assam Circle, Guwahati.
3. The Chief Conservator of Forests, Southern Assam Circle, Silchar.
4. The Conservator of Forests, Eastern Assam Circle, Jorhat.
5. The Chief Conservator of Forests, Northern Assam Circle, Tezpur.
6. The Conservator of Forests, Central Southern Assam SF Circle, Guwahati.
7. The Conservator of Forests, Lower Assam SF Circle, Bongaigaon.
8. The Conservator of Forests, Upper Assam SF Circle, Nagaon.

Sub: Discontinuation of CAMPA nurseries.

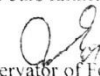
Sir,

With reference to the subject cited above, I am directed to inform you that as per decision of State Level Steering Committee meeting 1.5 ha & 3.0 ha Nurseries under State CAMPA, Assam have been discontinued to reduce the seedlings under your circle as per list enclosed.

Therefore, you are hereby requested to observe that the existing left out seedlings (Polypot) are properly utilized before closure of the nurseries and the DFOs under your jurisdiction may be instructed accordingly.

Encls: As above.

Yours faithfully,

  
Deputy Conservator of Forests (CAMPA)  
O/o the PCCF & HoFF, Assam  
Aranya Bhawan, Guwahati

Copy for information to:

1. The Principal Chief Conservator of Forests (Wildlife) & CWLW, Assam, Aranya Bhawan, Guwahati-37.
2. The Spl. Principal Chief Conservator of Forests, Karbi Anglong District, Diphu.
3. The Addl. Principal Chief Conservator of Forests & CHD, BTC, Kokrajhar.
4. The Chief Conservator of Forests (T), Lower Assam Zone, Guwahati.
5. The Chief Conservator of Forests (T), Upper Assam Zone, Guwahati.
6. The Chief Conservator of Forests, Social Forestry, Assam, Aranya Bhawan, Panjabari.
7. All the concerned Divisional Forest Officers for information & necessary action.

} For favour of kind information & similar necessary action as above.

Deputy Conservator of Forests (CAMPA)  
O/o the PCCF & HoFF, Assam  
Aranya Bhawan, Guwahati

ANNEXURE 4: CONFIRMATION MAIL BY ASSAM FOREST DEPARTMENT TO REMOVE FGQ OF JORHAT DIVISION FROM ASSESSMENT.

GOVERNMENT OF ASSAM  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS  
& HEAD OF FOREST FORCE :: ASSAM  
ARANYA BHAWAN, PANJABARI, GUWAHATI-37.

Phone No. (Off.): 0361 2134515

E-mail [pccfcampa@gmail.com](mailto:pccfcampa@gmail.com)

Letter No. FG/27/ CAMPA/Monitoring & Evaluation/2017-18 & 18-19

Dated: Guwahati, 2nd Feb./2021

To,

Dr. Jagdish Kishwan  
Chief Executive Officer,  
GICIA India Private Limited  
505, Fifth Floor, Matrix Tower, Plot B4, Sector 132  
Noida, Uttar Pradesh

Sub: Clarification on reconstruction of Forest Guard Quarter in Jorhat Division-regarding.

Ref: Your letter no.L.No.20/GIPL/2020-21/CAMPA-16, dated.21.01.2021.

Sir,

With reference to the above, it is to inform you that, the Forest Guard Quarter under Jorhat division has not been constructed and fund released for construction of the said building has been returned by the concerned DFO. Therefore, you are requested to kindly exclude the above mentioned work from the list of works to be evaluated.

Yours faithfully

(Dr. Satyendra Singh, IFS)  
Chief Conservator of Forests and  
Chief Executive Officer, State CAMPA  
O/o the PCCF & HoFF, Panjabri, Assam



ANNEXURE 5: OTHER IMPORTANT COMMUNICATION FROM ASSAM STATE FOREST DEPARTMENT.

**A. Letter regarding award of contract to GIPL from Assam State Forest Department.**

GOVERNMENT OF ASSAM  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS  
& HEAD OF FOREST FORCE :: ASSAM  
ARANYA BHAWAN, ASSAM  
PANJABARI :: GUWAHATI-781037

Phone No. (Off.): 0361 2331033

No. FG.27/CAMPA/Monitoring & Evaluation/2017-18 & 18-19

E-mail [pccfcampa@gmail.com](mailto:pccfcampa@gmail.com)

Dated: Guwahati, the 6<sup>th</sup> Feb./2020

To,

Dr. Jagdish Kishwan  
Chief Executive Officer  
GICIA India Private Limited  
505, Fifth Floor, Matrix Tower, Plot B4, Sector 132  
Noida, Uttar Pradesh – 201304.

Sub: **Consultancy services for Monitoring & Evaluation of CAMPA activities under State CAMPA, Assam.**


Ref.: Your letter Dtd. 14.01.2020.

Sir,

With reference to the above it is to inform you that your firm has been selected for awarding the Consultancy Services for Monitoring and Evaluation of CAMPA activities implemented during 2017-18 and 2018-19 in Assam at your offered bid of Rs. 22,54,036/- (Rupees twenty two lakhs fifty four thousand and thirty six) only.

In this regard, you are hereby requested to submit the Agreement on non- judicial stamp paper as per the Terms of Reference (TOR) for signing the Contract Agreement and to start the work.

Yours faithfully

  
(Dr. Satyendra Singh, IFS)  
Chief Conservator of Forests &  
Chief Executive Officer, State CAMPA, Assam  
Aranya Bhawan, Panjabari, Guwahati – 37.

o/c

**B. Letter regarding condoning of delay in execution of the project by Assam State Forest Department.**

**GOVERNMENT OF ASSAM  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS  
& HEAD OF FOREST FORCE:: ASSAM  
ARANYA BHAWAN, PANJABARI, GUWAHATI-781037**

Phone No. (Off): 0361-2134515

Email: pccfcampa@gmail.com

Letter No. FG.27/CAMPA/Monitoring & Evaluation/2017-18 & 18-19 Dated: Guwahati, the 3<sup>rd</sup> July, 2020

To,

The Chief Executive Officer,  
GICIA India Pvt. Ltd.  
505, 5<sup>th</sup> Floor, Matrix Tower  
Plot- B4, Sector-132  
Noida, Uttar Pradesh-201304

Sub.: Delay in Submitting Inception Report by GICIA India Pvt. Ltd. for Consultancy Services for Monitoring and Evaluation of CAMPA activities from 2017-18 to 2018-19.

Ref.: Your letter no. GPIL/2020-21/CAMPA-02 dated 29<sup>th</sup> June, 2020.


Sir,

With reference to above, I am pleased to inform that your request to condone the delay in submission of Inception Report of Monitoring and Evaluation of Assam CAMPA activities has been accepted. In this regard, you are hereby requested to submit the above said Inception Report upto 20<sup>th</sup> July, 2020.

The GICIA has been awarded the Consultancy Services for Monitoring and Evaluation of Assam CAMPA activities from 2017-18 to 2018-19 and contract was signed on 20<sup>th</sup> Feb, 2020. But, the M & E work has been already delayed and first half of the year 2020 has already passed. In view of above, I take this opportunity to request you to consider the Monitoring & Evaluation of CAMPA works executed during 2019-20 also while doing M& E of 2017-18 and 2018-19 works. It will be easier for the GICIA field team to collect data and do the M & E of works of 2019-20 alongwith originally assigned works as the various project/work sites of 2019-20 are almost in same locality in different forest divisions of Assam as of 2017-18 & 20198-19 work sites.

It is, therefore, requested to kindly consider it and submit your offer for additional amount required for the above said additional work urgently. Assam CAMPA will take the final decision in this regards, once offer (Additional amount required) from GICIA is received.

Yours sincerely,

  
(Dr. Satyendra Singh)  
Chief Conservator of Forests  
& Chief Executive Officer, CAMPA



**Areas allotted to different Forest Divisions for Project Site Specific Compensatory Afforestation to be raised during the year 2021-22**


Sl No.	Name of User Agency	Name of the Project	Name of Zone	Name of Circle	Name of the Division where forest land diverted	Forest Area Diverted (Area in ha)	Area proposed for Compensatory Afforestation					Amount realized from User Agency for NPV, C. A. , OHC etc.							Final Approval granted by the Central Government letter No.	GPS Co-ordinates
							Reserve Forest (Area in Ha.)	Non Forest Land (Area in Ha.)	Name of Division	Specific Compensatory Afforestation area as per project proposal	Nos. of Patch	Net Present Value	Compensatory Afforestation	Over Head Cost	Dwarf Species Plantation	Safety Zone	CAT Plan	Soil & Moisture Conservation		
1	Commandant, 24th Bn, SSB, Rangia	Forest diversion proposal for establishment of Coy.HQ cum BOP at Rangia	Addl.PCCF & CHD Forest BTC, Kokrajhar		Baksa Division	1.0	2.0	Baksa Division	Darranga Reserved Forest	1	730000	65000	45500					840500	3-AS B 021/2009- SHI/3472-73 dated 25.1.2019	26°476.22"N 91°32'41.36"E, 26°472.27"N 91°32'42.64"E, 26°470.79"N 91°32'37.40"E, 26°474.98"N 91°32'36.13"E
2	General Manager, Kohima Mariani Trns. Ltd., Guwahati	Forest diversion proposal for construction of 400 KV D/C (Twin) New Mariani to New Kohima Trns. Line	Addl.PCCF (T) UAZ	CF, EAC, Jorhat	Golaghat Division	19.976	39.952	Golaghat Division	Doyang Reserved Forest	1	14582480	12848584	6424292	2712263				36567619	3-AS C 010/2019- SHI/3876-77 dated 19.2.2020	26°10'35.62"N 93°59'36.48"E, 26°10'11.81"N 94° 0'2.39"E, 26° 9'48.56"N 93°59'35.42"E, 26° 9'56.15"N 93°59'30.40"E, 26°10'16.63"N 93°59'48.37"E
3	M/s Calcom Cement India Ltd., Guwahati	Forest diversion proposal for open cast mining of limestone		CCF, Dima Hasao District, Haflong	Dima Hasao West Division, Haflong	425.5	425.5	Dima Hasao West Division, Haflong	Boro Langherang Reserved Forest	1	325432420	118677213	59338607		15066726			518514966	8-11/2019 FC dated 25.11.2020	25°32'38.96"N 92°57'6.53"E, 25°32'4.10"N 92°56'31.28"E, 25°32'29.65"N 92°54'45.63"E, 25°33'13.09"N 92°54'52.80"E
<b>Total</b>						<b>446.5</b>	<b>41.952</b>	<b>425.50</b>			<b>340744900</b>	<b>131590797</b>	<b>65808399</b>	<b>2712263</b>	<b>15066726</b>	<b>0</b>	<b>0</b>	<b>555923085</b>		



**Norms for 5 Ha. Block Plantation**

Area (ha.)	5
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	900
Wage rate (Rs.)	273
Increase in wage rate for subsequent years by a factor	1.1
Appreciation of material costs by a factor	1.1

Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
							GST	Labour Cess	Contractor's Profit
<b>A</b>	<b>ERECTION OF FENCING</b>								
	(a) Cost of full chain link Goat proof fencing( 4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 900 RM @ Rs. 1016/RM as per estimate	RMs		900	1016	914400			
	<i>Sub Total</i>					<b>914400</b>	<b>7%*</b>	<b>1%</b>	<b>0%**</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>								
	Cost of tools & implements	Nos.		1	5000	5000			
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	30000	30000			
	<i>Sub Total</i>					<b>35000</b>	<b>7%*</b>	<b>1%</b>	<b>0%**</b>
<b>C</b>	<b>ADVANCE WORK</b>								
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	100	273	27300			
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha. @ Rs.8/- per polypot/ stump	Nos.	2500	12500	8	100000			
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>								
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ ha. @ Rs.8/- per polypot/stump	Nos.	625	3125	8	25000			
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year), i.e. 500 seedlings/ ha @ Rs.8/- per polypot/ stump	Nos.	500	2500	8	20000			
	<i>Sub Total</i>					<b>172300</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>D</b>	<b>CREATION &amp; 1<sup>ST</sup> YEAR MAINTENANCE</b>								
	Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha	DLs	40	200	273	54600			
	5 weeding, mulching and fire protection works @ 18 DLs/ ha/ weeding	DLs	90	450	273	122850			
	Contingency	LS				5000			
	<i>Sub total</i>					<b>182450</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>E</b>	<b>2<sup>ND</sup> YEAR MAINTENANCE</b>								
	5 weedings, fire protection works @ 10 DLs/ha/weeding	DLs	50	250	273	68250			
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	50	273	13650			
	Contingency	LS				5000			
	<i>Sub Total</i>					<b>86900</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>


  
 Chief Executive Officer  
 Assam State CAMPA  
 O/o the PCCF & HoFF, Assam  
 Aranya Bhawan, Guwahati-37



Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
							GST	Labour Cess	Contractor's Profit
F	<b>3<sup>RD</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	160	273	43680			
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ ha	DLs	8	40	273	10920			
	Contingency	LS				5000			
	<i>Sub Total</i>					<b>59600</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
G	<b>4<sup>TH</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	160	273	43680			
	Contingency	LS				5000			
	<i>Sub Total</i>					<b>48680</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
H	<b>5<sup>TH</sup> YEAR MAINTENANCE</b>								
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ ha	DLs	5	25	273	6825			
	Contingency	LS				5000			
	<i>Sub Total</i>					<b>11825</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

**Note:**

- \* 7% GST in case of Civil works (construction activities) (12% GST – 5% VAT already included in PWD SOR). This rate will be revised after publication of new SOR by the PWD.
- \*\* 0% Contractor's profit on Civil Works (construction activities) as 10% Contractor's profit is already included in the PWD SOR

  
 Chief Executive Officer  
 Assam State CAMPA  
 O/o the PCSJ & HoFF, Assam  
 Aranya Bhawan, Guwahati-37



**Norms for 10 Ha. Block Plantation**

Area (ha.)	10
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	1800
Wage rate (Rs.)	273
Increase in wage rate for subsequent years by a factor	1.1
Appreciation of material costs by a factor	1.1

Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
							GST	Labour Cess	Contractor's Profit
<b>A</b>	<b>ERECTION OF FENCING</b>								
	(a) Cost of full chain link Goat proof fencing( 4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 1800 RM @ Rs. 1016/RM as per estimate	RMs		1800	1016	1828800			
	<i>Sub Total</i>					<b>1828800</b>	7%*	1%	0%**
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION</b>								
	Cost of tools & implements	Nos.		1	5000	5000			
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	30000	30000			
	<i>Sub Total</i>					<b>35000</b>	7%*	1%	0%**
<b>C</b>	<b>ADVANCE WORK</b>								
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	200	273	54600			
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha. @ Rs.8/- per polypot/ stump	Nos.	2500	25000	8	200000			
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>								
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ ha. @ Rs.8/- per polypot/stump	Nos.	625	6250	8	50000			
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year), i.e. 500 seedlings/ ha @ Rs.8/- per polypot/ stump	Nos.	500	5000	8	40000			
	<i>Sub Total</i>					<b>344600</b>	12%	1%	10%
<b>D</b>	<b>CREATION &amp; 1<sup>ST</sup> YEAR MAINTENANCE</b>								
	Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha	DLs	40	400	273	109200			
	5 weeding, mulching and fire protection works @ 18 DLs/ ha/ weeding	DLs	90	900	273	245700			
	Contingency	LS				8000			
	<i>Sub total</i>					<b>362900</b>	12%	1%	10%

  
 Chief Executive Officer  
 Assam State CAMPA  
 O/o the PCCF & HoFF, Assam  
 Aranya Bhawan, Guwahati-37




Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
							GST	Labour Cess	Contractor's Profit
E	<b>2<sup>ND</sup> YEAR MAINTENANCE</b>								
	5 weedings, fire protection works @ 10 DLs/ha/weeding	DLs	50	500	273	136500			
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	100	273	27300			
	Contingency	LS				8000			
	<b>Sub Total</b>					<b>171800</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
F	<b>3<sup>RD</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	320	273	87360			
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ ha	DLs	8	80	273	21840			
	Contingency	LS				8000			
	<b>Sub Total</b>					<b>117200</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
G	<b>4<sup>TH</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	320	273	87360			
	Contingency	LS				8000			
	<b>Sub Total</b>					<b>95360</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
H	<b>5<sup>TH</sup> YEAR MAINTENANCE</b>								
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ ha	DLs	5	50	273	13650			
	Contingency	LS				8000			
	<b>Sub Total</b>					<b>21650</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

**Note:**

\* 7% GST in case of Civil works (construction activities) (12% GST – 5% VAT already included in PWD SOR). This rate will be revised after publication of new SOR by the PWD.

\*\* 0% Contractor's profit on Civil Works (construction activities) as 10% Contractor's profit is already included in the PWD SOR

  
 Chief Executive Officer  
 Assam State CAMPA  
 O/o the PCCF & HoFF, Assam  
 Aranya Bhawan, Guwahati-37



**Norms for 25 Ha. Block Plantation**

Area (ha.)	25
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	2800
Wage rate (Rs.)	273
Increase in wage rate for subsequent years by a factor	1.1
Appreciation of material costs by a factor	1.1

Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
							GST	Labour Cess	Contractor's Profit
<b>A</b>	<b>ERECTION OF FENCING</b>								
	(a) Cost of full chain link Goat proof fencing( 4' ht with 10 gauge 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 2800 RM @ Rs. 1016/RM as per estimate	RMs		2800	1016	2844800			
	<b>Sub Total</b>					<b>2844800</b>	<b>7%*</b>	<b>1%</b>	<b>0%**</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>								
	Construction of camp hut	Nos.		1	100000	100000			
	Cost of tools & implements	Nos.		1	5000	5000			
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	30000	30000			
	Camp accessories @ Rs.5000/- per camp	Nos.		1	5000	5000			
	<b>Sub Total</b>					<b>140000</b>	<b>7%*</b>	<b>1%</b>	<b>0%**</b>
<b>C</b>	<b>ADVANCE WORK</b>								
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	500	273	136500			
	Preparation and acquisition of ploypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha. @ Rs.8/- per ploypot	Nos.	2500	62500	8	500000			
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>								
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ ha. @ Rs.8/- per polypot/stump	Nos.	625	15625	8	125000			
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year), i.e. 500 seedlings/ ha @ Rs.8/- per polypot/ stump	Nos.	500	12500	8	100000			
	<b>Sub Total</b>					<b>861500</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>D</b>	<b>CREATION &amp; 1<sup>ST</sup> YEAR MAINTENANCE</b>								
	Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha	DLs	40	1000	273	273000			
	5 weeding, mulching and fire protection works @ 18 DLs/ ha/ weeding	DLs	90	2250	273	614250			
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	273	99645			
	Contingency	LS				10000			
	<b>Sub total</b>					<b>996895</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

  
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 Aranya Bhawan, Guwahati-37




Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.		
<b>E</b>	<b>2<sup>ND</sup> YEAR MAINTENANCE</b>								
	5 weedings, fire protection works @ 10 DLs/ha/weeding	DLs	50	1250	273	341250			
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	250	273	68250			
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	273	99645			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records and other misc. work	LS				10000			
	Contingency	LS				10000			
	<b>Sub Total</b>					<b>529145</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>F</b>	<b>3<sup>RD</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	800	273	218400			
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ ha	DLs	8	200	273	54600			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	<b>Sub Total</b>					<b>288000</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>G</b>	<b>4<sup>TH</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	800	273	218400			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	<b>Sub Total</b>					<b>233400</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>H</b>	<b>5<sup>TH</sup> YEAR MAINTENANCE</b>								
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ ha	DLs	5	125	273	34125			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	<b>Sub Total</b>					<b>49125</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

**Note:**

\* 7% GST in case of Civil works (construction activities) (12% GST – 5% VAT already included in PWD SOR). This rate will be revised after publication of new SOR by the PWD.

\*\* 0% Contractor's profit on Civil Works (construction activities) as 10% Contractor's profit is already included in the PWD SOR


  
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**Norms for 50 Ha. Block Plantation**

Area (ha.)	50
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	4100
Wage rate (Rs.)	273
Increase in wage rate for subsequent years by a factor	1.1
Appreciation of material costs by a factor	1.1

Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc.		
							GST	Labour Cess	Contractor's Profit
<b>A</b>	<b>ERECTION OF FENCING</b>								
	(a) Cost of full chain link Goat proof fencing( 4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 4100 RM @ Rs. 1016/RM as per estimate	RMs		4100	1016	4165600			
	<i>Sub Total</i>					<b>4165600</b>	<b>7%*</b>	<b>1%</b>	<b>0%**</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>								
	Construction of camp hut	Nos.		1	100000	100000			
	Cost of tools & implements	Nos.		1	5000	5000			
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	30000	30000			
	Camp accessories @ Rs.5000/- per camp	Nos.		1	5000	5000			
	<i>Sub Total</i>					<b>140000</b>	<b>7%</b>	<b>1%</b>	<b>0%</b>
<b>C</b>	<b>ADVANCE WORK</b>								
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	1000	273	273000			
	Preparation and acquisition of ploypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha. @ Rs.8/- per ploypot	Nos.	2500	125000	8	1000000			
	<b>Preparation of ploypot saplings in the field nursery for vacancy filling</b>								
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ ha. @ Rs.8/- per ploypot/stump	Nos.	625	31250	8	250000			
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year), i.e. 500 seedlings/ ha @ Rs.8/- per ploypot/ stump	Nos.	500	25000	8	200000			
	<i>Sub Total</i>					<b>1723000</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>D</b>	<b>CREATION &amp; 1<sup>ST</sup> YEAR MAINTENANCE</b>								
	Soil working, carriage of stamps, ploypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha	DLs	40	2000	273	546000			
	5 weeding, mulching and fire protection works @ 18 DLs/ ha/ weeding	DLs	90	4500	273	1228500			
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	273	99645			
	Contingency	LS				15000			
	<i>Sub total</i>					<b>1889145</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>


  
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Sl. No.	Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc.		
							GST	Labour Cess	Contractor's Profit
E	<b>2<sup>ND</sup> YEAR MAINTENANCE</b>								
	5 weedings, fire protection works @ 10 DLs/ha/weeding	DLs	50	2500	273	682500			
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	500	273	136500			
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365	DLs	1	365	273	99645			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records and other misc. work	LS				5000			
	Contingency	LS				15000			
	<b>Sub Total</b>					<b>938645</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
F	<b>3<sup>RD</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	1600	273	436800			
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ ha	DLs	8	400	273	109200			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				15000			
	<b>Sub Total</b>					<b>566000</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
G	<b>4<sup>TH</sup> YEAR MAINTENANCE</b>								
	4 weedings, fire protection works @ 8 DLs/ ha/ weeding	DLs	32	1600	273	436800			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				15000			
	<b>Sub Total</b>					<b>456800</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
H	<b>5<sup>TH</sup> YEAR MAINTENANCE</b>								
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ ha	DLs	5	250	273	68250			
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000			
	Contingency	LS				15000			
	<b>Sub Total</b>					<b>88250</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

**Note:**

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- \*\* 0% Contractor's profit on Civil Works (construction activities) as 10% Contractor's profit is already included in the PWD SOR



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**GOVERNMENT OF ASSAM**  
**OFFICE OF THE LABOUR COMMISSIONER: ASSAM**  
**GOPINATH NAGAR, GUWAHATI-16.**

E-MAIL

No.MWC.3/93/Pt-II/ 6399

Dated Guwahati the 23rd June, 2020.

To,

All Asstt. Labour Commissioner,  
 All Labour Officer (Independent),  
 All Labour Inspector ( Independent),

Sub. : **Increase of VDA under 98 Scheduled Employment.**

Ref. : Govt. Notification No. GLR.503/81/Pt-I/136,dtd. 19<sup>th</sup> June,2020.

Please find herewith the of Govt. Notification No. GLR.503/81/Pt-I/136,dtd. 19<sup>th</sup> June,2020 relating to increase of VDA under 98 Scheduled Employments.

In this regard, the present minimum wages (including VDA) under the 98 Scheduled Employment is mentioned below in details.

Category of workers/	Basic Rate/Month	VDA-I/Month	VDA-II /Month	VDA-III /Month	VDA-IV /Month	VDA-V /Month	VDA-VI/ Month	VDA-VII/Month	Present Minimum Rates of Wages	
	Notification No. GLR.503/81/Pt-38,39,40, dtd. 3rd Nov,2015.	Notification No. GLR.503/81/Pt-1/71,dtd. 23rd Dec,2016.	Notification No. GLR.503/81/Pt-1/81,dtd. 26th May,2017.	Notification No. GLR.503/81/Pt-1/127,26th May,2017, 7th Dec,2018.	Notification No. GLR.503/81/Pt-1/128 ,dtd.7th Dec,2018.	Notification No. GLR.503/81/Pt-1/131, dtd.8th July, ,2019.	Notification No. GLR.503/81/Pt-1/133,dtd. 20th Nov, ,2019.	Notification No. GLR.503/81/Pt-1/136,dtd. 19th June,2020	w.e.f. 01-12-2019	
	(w.e.f. 3-11-2015)	(w.e.f. 01-05-2016)	(w.e.f. 01-11-2016)	(w.e.f.01-12-2017)	(w.e.f.01-06-2018)	(w.e.f.01-12-2018)	(w.e.f. 01-06-2019)	(w.e.f.) 01-12-2019	Month	Day
Unskilled workers	7200	57.60	79.20	247.50	63.00	304.50	208.80	310.80	8471.4	282.38
Semi Skilled/ Unskilled Supervisory	8400	67.20	92.40	288.90	73.50	355.00	243.60	363.00	9883.6	329.45
Skilled/ clerical Workers	10500	84.00	115.20	361.20	92.10	444.00	304.50	453.60	12354.6	411.82
Highly Skilled	13500	108.00	148.50	464.40	118.50	570.00	391.50	583.20	15884.1	529.47

You are hereby directed to circulate the same among all the stakeholders/establishments under your jurisdiction and to enforce the same accordingly.

This is your information and necessary action.

Encl: - As stated.

(Smti. Ishanu Shah)

Deputy Labour Commissioner, Assam.

Dated Guwahati the

June, 2020

Memo No MWC.3/93/Pt-II/

Copy to:-

1. The Labour Commissioner, Assam kind information.
2. Person Concern.....

Deputy Labour Commissioner, Assam.



**Proposal for Annual Plan of Operation (APO) for the year 2021-22 under State CAMPA, Assam received from the Wing head (Plantation)**

Sl. no	Name of the Division	Afforestation				Apurugia Brikhya Plantation				GPS Co-ordinates
		Area in Ha.	Location	Range	RF	Nos.	Location	Range	RF	
<b>Upper Assam Zone (UAZ)</b>										
<b>EAC, Jorhat</b>										
1	<b>Dibrugarh Divn.</b>	28	Jokai RF	Dibrugarh	Jokai RF					27°22'11.58"N 94°55'50.17"E, 27°22'2.07"N 94°55'47.58"E, 27°21'52.33"N 94°55'19.04"E, 27°22'0.12"N 94°55'14.63"E
2	<b>Digboi Divn.</b>	20	Lakla	Jagun	Tinkopani RF					27°24'15.30"N 95°55'35.40"E, 27°24'18.10"N 95°55'44.90"E, 27°24'29.50"N 95°55'47.50"E, 27°24'08.30"N 95°55'46.60"E, 27°24'20.90"N 95°55'58.40"E
		50	Nagajan	Lakhipather	Upper Dihing RF, West Block					27°21'0.72"N 95°28'11.70"E, 27°21'09.78"N 95°28'11.76"E, 27°21'15.09"N 95°28'10.92"E, 27°21'17.22"N 95°28'18.06"E, 27°21'18.06"N 95°28'24.12"E, 27°21'19.98"N 95°28'37.50"E, 27°21'15.18"N 95°27'37.50"E
3	<b>Sibsagar Divn.</b>	50	Abhoypur RF	Sonari	Abhoypur RF					26°59'14.29"N 95°01'09.48"E, 26°59'27.39"N 95°01'35.98"E, 26°59'08.60"N 95°01'45.78"E, 26°58'57.49"N 95°01'20.18"E,
4	<b>Doomdooma divn.</b>	50	Kundil Kalia RF	Sadiya Range	Kundil Kalia RF					27°55'54.02"N 95°56'51.23"E, 27°55'35.99"N 95°56'48.59"E, 27°55'34.19"N 95°56'15.98"E, 27°55'50.44"N 95°56'14.45"E
		50	Duarmara RF	Khatangpani Range	Duarmara RF					27°30'51.30"N 95°50'57.99"E, 27°30'40.79"N 95°50'55.58"E, 27°30'50.34"N 95°49'58.37"E, 27°30'59.86"N 95°50'6.64"E
<b>NAC, Tezpur</b>										
5	<b>Nagaon Divn.</b>	50	Kumoi, Kholagaon	Marigaon Range	Tetelia Baghora RF					26°12'38.24"N 92°14'15.14"E, 26°12'04.00"N 92°13'52.62"E, 26°12'10.76"N 92°14'19.29"E, 26°12'32.03"N 92°14'14.11"E
6	<b>D.F.O. Dhemaji Div.</b>	50	Poba RF	Jonai Range	Poba RF					27°50'28.68"N 95°15'44.35"E, 27°50'39.78"N 95°15'58.06"E, 27°50'46.98"N 95°16'20.43"E, 27°51'0.94"N 95°16'15.02"E, 27°50'51.66"N 95°15'51.02"E, 27°50'33.21"N 95°15'35.09"E
7	<b>D.F.O. Sonitpur West divn.</b>	100	Chattai Hill	Chariduar Range	Balipara RF					26°58'6.58"N 92°46'36.30"E, 26°57'41.55"N 92°47'6.25"E, 26°57'12.81"N 92°46'43.24"E, 26°57'35.62"N 92°46'18.02"E

Sl. no	Name of the Division	Afforestation				Apurugia Brikhya Plantation				GPS Co-ordinates
		Area in Ha.	Location	Range	RF	Nos.	Location	Range	RF	
<b>Lower Assam Zone (LAZ)</b>										
<b>CAC, Guwahati</b>										
8	<b>Goalpara Div.</b>	25	Rakhyasini PRF	Goalpara Range	Rakhyasini PRF					26°07'54.30"N 90°38'33.10"E, 26°07'55.90"N 90°38'40.90"E, 26°07'48.10"N 90°38'43.60"E, 26°07'37.30"N 90°38'35.80"E
9	<b>Kamrup East Div.</b>	25	Kamarghuli	Sonapur Range	West Apricola RF					26°01'31.70"N 91°58'33.76"E, 26°01'29.98"N 91°58'29.84"E, 26°01'25.42"N 91°58'28.62"E, 26°01'26.17"N 91°58'24.93"E
		25	Umthana	South Guwahati Range	Garbhanga RF					25°57'49.89"N 91°42'46.03"E, 25°57'44.23"N 91°43'01.56"E, 25°57'32.03"N 91°42'36.62"E, 25°57'24.95"N 91°42'49.81"E
<b>SAC, Silchar</b>										
10	<b>Cachar divn.</b>	100	Dholaikhal Lailapuri 50 ha.(a) Dholaikhal Lailapuri 50 ha.(b)	Hawaithang Range	Inner Line RF					(a) 24°33'05.30"N 92°47'31.80"E, 24°32'46.90"N 92°47'44.40"E, 24°32'47.40"N 92°47'30.10"E, 24°32'55.30"N 92°47'19.40"E, (b)24°32'41.10"N 92°47'34.40"E, 24°32'43.30"N 92°47'36.10"E, 24°32'12.60"N 92°47'18.50"E, 24°32'16.40"N 92°47'11.70"E
11	<b>Hailakandi Divn.</b>	50	Malicherra	Kukicherra Range	Inner Line RF					24°26'35.40"N 92°36'35.30"E, 24°26'24.90"N 92°36'32.50"E, 24°26'41.10"N 92°36'26.90"E, 24°26'31.10"N 92°36'20.40"E
12	<b>Karimganj divn.</b>	50	Bilgenai	Cheragi Range	Badshaittila RF					24°16'33.20"N 92°21'47.00"E, 24°16'32.60"N 92°22'42.30"E, 24°16'22.10"N 92°22'31.70"E, 24°16'21.80"N 92°22'22.40"E,
		25	Old Solamona (East)	Lowairpoa Range	Longai RF					24°23'36.40"N 92°17'22.50"E, 24°23'31.90"N 92°17'46.20"E, 24°23'25.50"N 92°17'42.70"E, 24°23'27.00"N 92°17'08.30"E
		25	Old Solamona (West)	Lowairpoa Range	Longai RF					24°23'23.68"N 92°16'52.26"E, 24°23'31.36"N 92°16'50.02"E, 24°23'37.10"N 92°17'04.86"E, 24°23'31.70"N 92°17'16.80"E, 24°23'21.38"N 92°17'12.99"E
13	<b>Aie Valley divn.</b>	100	Nakkati RF 50 ha. (a) Rakhal Thakur RF 50 ha. (b)	Abhayapuri Range	Nakkati RF & Rakhal Thakur RF					(a)26°22'26.53"N 90°32'14.63"E, 26°22'43.44"N 90°32'06.17"E, 26°22'57.42"N 90°32'29.67"E, 26°22'43.78"N 90°32'44.57"E, (b)26°19'23.73"N 90°28'30.67"E, 26°19'24.41"N 90°28'09.83"E, 26°19'19.47"N 90°28'30.21"E, 26°19'36.07"N 90°28'39.77"E





**Proposal for Annual Plan of Operation (APO) for the year 2021-22 under State CAMPA, Assam received from the Wing head (Infrastructure Dev.)**

Sl. No	Name of Division	Range Office																		Staff Amenities	Remarks
		Range Office		Range Office cum R.O Qtr.		Anti Poaching Camp		Range Officer Qtr.		Forester-I Qtr.		Assam type Barrack		Forest Guard Qtr.		Watch Tower		Machine Boat			
		Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location		
<b>Upper Assam Zone</b>																					
<b>EAC, Jorhat</b>																					
1	D.F.O. Dibrugarh Divn.											1	Nagaghat 27°14'58.10"N 95°24'45.50"E							Const. of toilet with septic tank and water facility 7 nos. 17.50 lakh	
2	D.F.O. Sibsagar Divn.											1	Borhat 27°06'16.30"N 95°17'27.50"E								
3	D.F.O. Digboi Divn.	1	Saraipung 27°18'41.60"N 95°28'10.70"E								1	Lakhipathar 27°25'03.66"N 95°32'24.36"E									
4	D.F.O. Golaghat divn.					1	Duinomukh 26°26'55.90"N 93°57'07.77"E														
5	D.F.O. Jorhat divn.													1	Jorhat Range 26°45'34.69"N 94°12'36.92"E					Electricity connection 2nos. Rs.1.50 lakh	
6	D.F.O. Majuli Div.			1	Garamur 26°97'79.45"N 94°15'71.46"E																
7	D.F.O. Doomdooma divn.							1	Sadiya Range 27°54'52.99"N 95°46'07.42"E			1	Khatangpani 27°30'30.20"N 95°52'01.50"E								
<b>NAC, Tezpur</b>																					
8	D.F.O. Nagaon divn.											1	Dhekiabari Pahar, Morigaon Range 26°14'37.30"N 91°58'58.60"E								
9	D.F.O. Nagaon South divn.													1	K.V. Range, Hojai 25°59'59.40"N 92°51'01.29"E						
10	D.F.O. Dhemaji divn.													1	Jiadhhal 27°32'58.86"N 94°28'30.81"E						
11	D.F.O. Sonitpur East divn.									1	Diplonga Range 26°48'58.96"N 92°58'22.61"E	1	Borgaon Range HQ 26°50'03.70"N 93°17'02.04"E			1	Gamari 26°47'45.42"N 93°29'10.42"E				





Sl. No	Name of Division																			Staff Amenities	Remarks			
		Range Office		Range Office cum R.O Qtr.		Anti Poaching Camp		Range Officer Qtr.		Forester-I Qtr.		Assam type Barrack		Forest Guard Qtr.		Watch Tower		Machine Boat						
		Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location	Unit	Location					
<b>UASFC, Nagaon</b>																								
22	D.F.O. Golaghat SF divn.									1	Bokakhat 26°38'17.15"N 93°35'11.21"E													
<b>PCCF, WL</b>																								
23	D.F.O Tinsukia WL Div.					2	Floating Anti Poaching Camp Inside DSNP (25 lakhs each)													2	DSNP			
24	Eastern Assam WL Div.					2	(a)Rowmari 26.601683°N 93.297115°E (b)Hatdandi 26.563000°N 93.171806°E																	
25	DFO Nagaon WL															1	Laokhowa WLS 26°29'57.80"N 92°38'55.90"E							
26	DFO Mangaldai WL Div.					2	(a)Khairassali (b)Tinkona (a)26°34'36.93"N 92°21'47.08"E (b)26°32'16.31"N 92°18'07.68"E																Const. Cable stayed suspension bridge. Rs.145 lakhs	
<b>DHAC, Haflong</b>																								
27	D.F.O. Dima Hasao Forest divn.(West)											1	Panimur 25°44'25.68"N 92°49'53.94"E		1	Jinam Range 25°01'27.66"N 93°10'51.48"E								
<b>KAAC, Diphu</b>																								
28	Hamren Div.									1	Makoilum 25°38'37.1688"N 92°35'12.7572"E													
<b>Total</b>		<b>1</b>		<b>3</b>		<b>7</b>		<b>2</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>2</b>		<b>2</b>						



**Proposal for Annual Plan of Operation (APO) for the year 2021-22 under State CAMPA, Assam Soil Moisture Conservation & Habitat Management received from Wing head**

Sl. No	Name of Division	Soil Moisture Conservation			Habitat Management			GPS Co-ordinates
		Location	Particular	Estimated amount (in Rs.)	Location	Particular	Estimated amount (in Rs.)	
<b>Upper Assam Zone</b>								
1	<b>Digboi Division</b>	Dihing Patkai NP, Upper Dihing RF	Checkdam cum culvert 5 nos. (Rs.4 lakh each)	2000000				1) 27°19'10.06"N 95°30'49.68"E, 2)27°17'44.00"N 95°29'17.10"E, 3)27°17'05.50"N 95°29'54.90"E, 4)27°17'37.30"N 95°29'0.20"E, 5)27°16'24.80"N 95°28'03.30"E
2	<b>Sivsagar Division</b>				Panidehing Bird Sanctuary	Removal of ipomea at Gela Demow, 4 ha.	430400	27°06'10.58"N 94°37'15.27"E, 27°06'06.10"N 94°37'08.53"E, 27°06'02.21"N 94°37'12.56"E, 27°06'07.73"N 94°37'20.35"E
					Panidehing Bird Sanctuary	Removal of ipomea at Lalitangkur, 4 ha.	430400	27°05'59.05"N 94°37'10.95"E, 27°05'55.20"N 94°37'05.53"E, 27°05'51.71"N 94°37'08.39"E, 27°05'54.56"N 94°37'14.73"E
<b>PCCF WL</b>								
3	<b>Nagaon WL</b>				Burhachapori WLS	Removal of semul and other invasive wood from grassland and beels. 10 ha.	600000	26°54'13.26"N 92°72'29.60"E, 26°54'08.91"N 92°72'49.21"E, 26°53'86.56"N 92°72'50.84"E, 26°53'55.57"N 92°72'29.84"E
					Laokhowa WLS	Removal of semul and other invasive wood from grassland and beels. 10 ha.	600000	26°50'27.48"N 92°71'35.40"E, 26°50'27.46"N 92°70'96.74"E, 26°50'35.92"N 92°70'75.00"E, 26°50'43.78"N 92°71'32.51"E
4	<b>Guwahati WL</b>				Pobitora WLS (Tuplung, Pipalati, Naltoli and Hahchora )	Habitat manipulation and management of existing grassland 4 ha.	400000	Tuplung= N 26°13'958" E 92°04'059" Pipalati= N-26 ° 13'57.9"E-92 ° 03'02.2" Naltoli= N 26°14'609" E 92°03'086" Hahchora= N 26°12'785" E 92°04'525"


Sl. No	Name of Division	Soil Moisture Conservation			Habitat Management			GPS Co-ordinates
		Location	Particular	Estimated amount (in Rs.)	Location	Particular	Estimated amount (in Rs.)	
4	Guwahati WL				Amchang WLS (Taltola, Amchang Tangra pukhuri, Ganesh pukhuri, Pradip pukhuri, S.F. Satgaon, NotunPukhuri, Dhanesh pukhuri, 2 no. Nilborn Pukhuri, Panikhaiti Pukhuri, Hahchora Pukhuri, Bamunkhal pukhuri and Malaighop pukhuri)	Improvement of Natural Water bodies inside the Amchang Wildlife Sanctuary 12 nos.	2000000	<b>1)</b> 26°10'15.9"N 91°51'44.0"E <b>2)</b> 26°10'49.8"N 91°51'39.5"E <b>3)</b> 26°11'31.0"N 91°52'21.6"E <b>4)</b> 26°11'32.6"N 91°51'56.2"E <b>5)</b> 26°09'45.3"N 91°51'38.6"E <b>6)</b> 26°10'33.01"N 91°51'49.03"E <b>7)</b> 26°09'50.04"N 91°54'51.73"E <b>8)</b> 26°11'18.72"N 91°56'29.70"E <b>9)</b> 26°12'31.87"N 91°52'48.83"E <b>10)</b> 26°12'42.792"N 91°56'33.835"E <b>11)</b> 26°12'29.89"N 91°56'54.35"E <b>12)</b> 26°10'34.21"N 91°55'51.95"E
Social Forestry Wing								
5	Nagoan SF Division					De-siltation and cleaning of 4 nos. of lake along with construction of walking trail (Width 1 mtrs & length 430 (RM) LS	1850000	26°34'37.46"N 93°04'50.24"E, 26°34'34.36"N 93°04'52.74"E, 26°34'28.16"N 93°04'49.01"E, 26°34'30.89"N 93°04'43.34"E,
Total				<b>2000000</b>			<b>6310800</b>	



**NORM FOR 25 ha AFFORESTATION (ARTIFICIAL REGENERATION)**

Area (ha) = 25  
 Spacing (m X m) = 2 X 2  
 Number of Saplings/ ha = 2500  
 Length of Fence (RM) = 2800  
 Wage rate (Rs.) = 273

Sl. No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc		
							GST	Labour cess	Contractor's profit
<b>A</b>	<b>ERECTION OF FENCING</b>			@Rs.	<b>273</b>	<b>/DL</b>			
	Cost of full Chain-linked Goat Proof fencing (4' ht. with 10 Gauge, 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on Pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart including transportation, fitting and fixing for <b>2800</b> RM @ Rs. 1016 per RM as per estimate	RMs		2800	1016	2,844,800			
	<i>Sub-total</i>					<b>2,844,800</b>	<b>7%*</b>	<b>1%</b>	<b>0% **</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>								
	Construction of camp hut as per estimate with installation of ring/tube well	nos.		1	150,000	150,000			
	Cost of tools & implements	nos.		1	5,000	5,000			
	Cost of RCC signboard & Gate including fitting and fixing of the same	nos.		1	30,000	30,000			
	Camp accessories	nos.		1	5,000	5,000			
	<i>sub total</i>					<b>190,000</b>	<b>7%</b>	<b>1%</b>	<b>0%</b>
<b>C</b>	<b>ADVANCE WORK</b>			@Rs.	<b>273</b>	<b>/DL</b>			
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLs	20	500	273	136,500			
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. Seedlings/ha @ Rs. 8 per polypot.	Nos.	2500	62500	8	500,000			
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>								
	a) 25% mortality expected during 1st year (to be planted in the field during 2nd year) i.e. 625 seedlings per ha @ Rs. 8/polypot/stump.	Nos.	625	15625	8	125,000			
	b) 20% mortality expected during 2nd year (to be planted in the field during 3rd year) i.e. 500 seedlings per ha @ Rs. 8/polypot/stump	Nos.	500	12500	8	100,000			
	Cost of Bamboo, making of stacking & transportation etc	nos.	625	15625	1	15,625			
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	5	125	273	34,125			
	<i>Sub total</i>					<b>911,250</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>D</b>	<b>CREATION &amp; 1<sup>st</sup> YEAR MAINTENANCE</b>			@Rs.	<b>273</b>	<b>/DL</b>			
	Soil working, carriage of stumps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha	DLs	40	1000	273	273,000			
	1st Weeding @ 18 DLs /ha	DLs	18	450	273	122,850			
	2nd Weeding @ 15 DLs /ha	DLs	15	375	273	102,375			
	3rd Weeding @ 12 DLs /ha	DLs	12	300	273	81,900			
	4th Weeding @ 9 DLs /ha	DLs	9	225	273	61,425			
	Cattle watching, upkeepment of plantation, mulching and fire protection works	DLs	1	365	273	99,645			
	<i>Sub total</i>					<b>741,195</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

  
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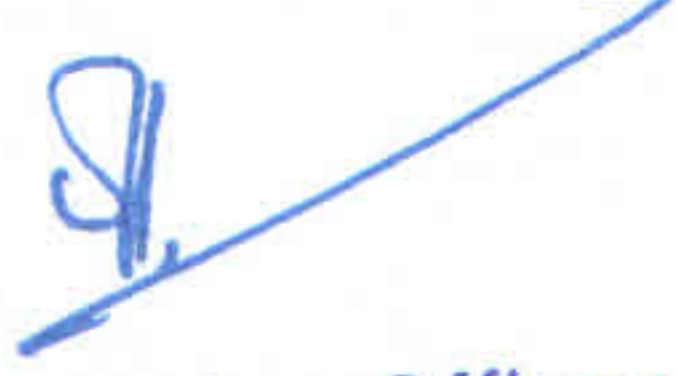
Sl. No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc		
							GST	Labour cess	Contractor's profit
<b>E</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					<b>@ Rs. 273 /DL</b>			
	Vacancy filling including soil working, carriage of stumps/polypot seedling	DLs	10	250	273	68,250			
	1st Weeding @ 18 DLs /ha	DLs	18	450	273	122,850			
	2nd Weeding @ 15 DLs /ha	DLs	15	375	273	102,375			
	3rd Weeding @ 12 DLs /ha	DLs	12	300	273	81,900			
	4th Weeding @ 9 DLs /ha	DLs	9	225	273	61,425			
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 25 ha/ year	DLs	1	365	273	99,645			
	<b>Sub total</b>					<b>536,445</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>F</b>	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>					<b>@ Rs. 273 /DL</b>			
	Vacancy filling including soil working, carriage of stumps/polypot seedling	DLs	10	250	273	68,250			
	1st Weeding @ 15 DLs /ha	DLs	15	375	273	102,375			
	2nd Weeding @ 12 DLs /ha	DLs	12	300	273	81,900			
	3rd Weeding @ 10 DLs /ha	DLs	10	250	273	68,250			
	4th Weeding @ 8 DLs /ha	DLs	8	200	273	54,600			
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 25 ha/ year	DLs	1	365	273	99,645			
	<b>Sub total</b>					<b>475,020</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>G</b>	<b>4<sup>th</sup> YEAR MAINTENANCE</b>					<b>@ Rs. 273 /DL</b>			
	1st Weeding @ 15 DLs /ha	DLs	15	375	273	102,375			
	2nd Weeding @ 12 DLs /ha	DLs	12	300	273	81,900			
	3rd Weeding @ 10 DLs /ha	DLs	10	250	273	68,250			
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 25 ha/ year	DLs	1	365	273	99,645			
	<b>sub total</b>					<b>352,170</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>
<b>H</b>	<b>5<sup>th</sup> YEAR MAINTENANCE</b>					<b>@ Rs. 273 /DL</b>			
	1st Weeding @ 12 DLs /ha	DLs	12	300	273	81,900			
	2nd Weeding @ 10 DLs /ha	DLs	10	250	273	68,250			
	3rd Weeding @ 8 DLs /ha	DLs	8	200	273	54,600			
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 25 ha/ year	DLs	1	365	273	99,645			
	<b>sub total</b>					<b>304,395</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

**Note:**

\* 7% GST in case Civil works (construction activities) (12% GST- 5% VAT already included in PWD SOR).

This rate

\*\* 0% Contractor's profit on Civil Works (construction activities) as 10% Contractor's profit is already included in the


  
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## NORMS FOR PROPOSED APURUGIYA BRIKHYA PLANTATION

**Area: 5.0 hact, Spacement: 5 x 5 (Plantation in 04 ha.)**

Sl. No.	Item of Works	Cost (Rs. in lakh)
1	Cost of full chain link Goat proof fencing( 4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 900 RM @ Rs. 1016/RM as per estimate	9.14
2	Walking tract @ 1500 X 300 per RM (earthen track)	4.50
3	Toilet Block 2 (each for male & female) @ Rs.100000/-	3.00
4	Seating Shed with iron roof truss	4.00
5	Drinking water facility	2.00
6	Solar light, LED street light @ Rs.30000/- each for 6 Nos.	1.80
7	Staff camp hut	2.50
8	Seating bench @ Rs.30000/- x 6	1.80
9	Nursery 0.5 hact	3.00
10	Site preparation, advance work, digging pits and planting etc. @ 25 DL/Ha. @ Rs.273/- DL	0.34
11	Signage	1.00
12	Cost of 1600 plants including transportation and planting @ Rs.15/-	0.24
13	1 <sup>st</sup> year 4 Weedings and maintenance @ 40 DL/Ha. @ Rs.273/- DL	0.55
14	2 <sup>nd</sup> year 4 Weedings and maintenance @ 40 DL/Ha. @ Rs.273/- DL	0.55
15	3 <sup>rd</sup> year 4 Weedings and maintenance @ 40 DL/Ha. @ Rs.273/- DL	0.55
16	4 <sup>th</sup> year 4 Weedings and maintenance @ 40 DL/Ha. @ Rs.273/- DL	0.55
17	5 <sup>th</sup> year 4 Weedings and maintenance @ 40 DL/Ha. @ Rs.273/- DL	0.55
18	Contingency	2.00
<b>Total</b>		<b>38.07</b>
Planting of Indegenous rare species viz., like Leteku, Poniyal, Thekhera sps, Bhagnala, Bandordima,		
Cost of seedling for per block 2 Rs.50/- = 200 x 50 = 10,000/-		
So total cost of seedling for 4 hact = 10,000/- x 8 blocks = Rs.80,000/-		

  
**CCF & CEO**  
 Assam State CAMPA  
 O/o the PCCF & HoFF, Assam  
 Aranya Bhawan, Guwahati-37

**GOVERNMENT OF ASSAM**  
**OFFICE OF THE LABOUR COMMISSIONER: ASSAM**  
**GOPINATH NAGAR, GUWAHATI-16.**

E-MAIL

No.MWC.3/93/Pt-II/ 6399

Dated Guwahati the 23rd June, 2020.

To,

All Asstt. Labour Commissioner,  
All Labour Officer (Independent),  
All Labour Inspector ( Independent),

Sub. : **Increase of VDA under 98 Scheduled Employment.**

Ref. : Govt. Notification No. GLR.503/81/Pt-I/136,dtd. 19<sup>th</sup> June,2020.

Please find herewith the of Govt. Notification No. GLR.503/81/Pt-I/136,dtd. 19<sup>th</sup> June,2020 relating to increase of VDA under 98 Scheduled Employments.

In this regard, the present minimum wages (including VDA) under the 98 Scheduled Employment is mentioned below in details.

Category of workers/	Basic Rate/Month	VDA-I/Month	VDA-II /Month	VDA-III /Month	VDA-IV /Month	VDA-V /Month	VDA-VI/ Month	VDA-VII/Month	Present Minimum Rates of Wages	
	Notification No. GLR.503/81/Pt-38,39,40, dtd. 3rd Nov,2015.	Notification No. GLR.503/81/Pt-1/71,dtd. 23rd Dec,2016.	Notification No. GLR.503/81/Pt-1/81,dtd. 26th May,2017.	Notification No. GLR.503/81/Pt-1/127,26th May,2017, 7th Dec,2018.	Notification No. GLR.503/81/Pt-1/128 ,dtd.7th Dec,2018.	Notification No. GLR.503/81/Pt-1/131, dtd.8th July, ,2019.	Notification No. GLR.503/81/Pt-1/133,dtd. 20th Nov, ,2019.	Notification No. GLR.503/81/Pt-1/136,dtd. 19th June,2020	w.e.f. 01-12-2019	
	(w.e.f. 3-11-2015)	(w.e.f. 01-05-2016)	(w.e.f. 01-11-2016)	(w.e.f. 01-12-2017)	(w.e.f. 01-06-2018)	(w.e.f. 01-12-2018)	(w.e.f. 01-06-2019)	(w.e.f.) 01-12-2019	Month	Day
Unskilled workers	7200	57.60	79.20	247.50	63.00	304.50	208.80	310.80	8471.4	282.38
Semi Skilled/ Unskilled Supervisory	8400	67.20	92.40	288.90	73.50	355.00	243.60	363.00	9883.6	329.45
Skilled/ clerical Workers	10500	84.00	115.20	361.20	92.10	444.00	304.50	453.60	12354.6	411.82
Highly Skilled	13500	108.00	148.50	464.40	118.50	570.00	391.50	583.20	15884.1	529.47

You are hereby directed to circulate the same among all the stakeholders/establishments under your jurisdiction and to enforce the same accordingly.

This is your information and necessary action.

Encl: - As stated.

(Smti. Ishanu Shah)

Deputy Labour Commissioner, Assam.

Memo No MWC.3/93/Pt-II/

Dated Guwahati the

June, 2020

Copy to:-

1. The Labour Commissioner, Assam kind information.
2. Person Concern.....


Deputy Labour Commissioner, Assam.



**NORMS FOR MAINTENANCE 1.5 ha NURSERY UNDER CAMPA**

Number of Standard beds for raising naked seedlings	=	25
Number of Standard mother beds for raising polypot seedlings	=	10
Number of beds for arranging polypot seedlings	=	110
Total number of polypot seedlings to be raised	=	100,000
Total number of naked seedlings to be raised	=	10,000
Total number of Tall seedlings to be raised	=	1,000
<b>Total number of seedling to be raised</b>	=	<b>111,000</b>

S. No.	Particulars of works	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Applicable Rate of GST/Cess etc		
						GST	Labour cess	Contractor's profit
			@Rs.	273	/DL			
1	Maintenance of Chain link fencing including repairing of fencing	LS			10,000			
2	Preparation of 35 Standard beds (10 mother bed for polypots + 25 for naked seedlings/ stumps) by soil working etc.@ 1.5 DLs/ bed = 53 DLs	DLs	53	273	14,469			
3	Preparation of 110 beds for arranging polypot seedlings @ 4 bed/ DLs	DLs	28	273	7644			
4	Procurement of Bamboo for arranging polypots in the raised beds including ropes for tying etc.	No.	110	150	16500			
5	Procurement of quality seeds	LS			12,000			
6	Cost of Procurement of fertile soil, river silt/ sand soil: 225 cu.m @ Rs.300/ cu.m including loading, transport and unloading.	cu.m	225	300	67,500			
7	Cost of Farm yard Manure & Vermi-compost: 75 cu.m.@ Rs.500/cu.m	cu.m	75	500	37,500			
8	Cost of fungicide, insecticide/pesticide etc. & their application	LS			2,500			
9	Cost of sowing/ dibbling of seeds in standard/ mother beds @ 5 beds/ DL for 35 beds = 7 DLs	DLs	7	273	1,911			
10	Cost of perforated virgin HDPE black polyot including 5% VAT & 15% excise duty for a) 1,00,000 polypots 5 inch x 8 inch x 300 gauge = 3.8 quintals (approx 26,500 polypot per quintal) b) 1,000 polypots 12 inch x 18 inch x 300 gauge = 0.2 quintal	Qtl	4	18500	74,000			
11	Preparation of 1,00,000 polypots including seiving of soil, mixing of soil with manure, filling of soil in polypots, arranging the polypots in beds, transplanting seedlings as per silviculture requirement of species etc. (1 DL = 200 polypot per day) = 500 DLs	DLs	500	273	136,500			
12	Preparation of 1000 polypot seedlings for tall planting including cost of polypot preparation and upkeepment (1DL = 20 polypot per day) = 50 DLS	No.	50	273	13,650			
13	Shifting of polypot seedlings to avoid rooting in soil atleast twice in a year @ 1000 polypot /DL = 201 DLS	DLs	201	273	54,873			

  
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S. No.	Particulars of works	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Applicable Rate of GST/Cess etc		
						GST	Labour cess	Contractor's profit
14	Providing temporary shed using agronet for shade demanding species (both bareroot & polypot) including purchase of bamboo posts etc.	LS			12,500			
15	Watering of 35 beds & 1.01 Lakh polypots (110 beds) as and when necessary @ 150beds/ DL X 90 days (180 days of lean period) = Total 145 beds X 90 days.	DLs	90	273	24,570			
16	Weeding of 35 beds and 1.01 Lakh polypots (110 beds) @ 3 beds/ DL X 5 weeding/ year = 242 DLs	DLs	242	273	66,066			
17	Protection work, cattle watching, fencing repairing and upkeepment of nursery works - 365 DLs	DLs	365	273	99,645			
18	Cost of tools, implements, signboard, bed wise signage (Rs. 100/ signage showing details of species, date of showing/ transplanting and number of plants) etc.	LS			25,000			
19	Transportation of materials & seedings for free distribution etc.	LS			10,000			
20	Awareness, Monitoring & Evaluation works	LS			5,000			
21	Overhead, Administrative expenditure & Contingency	LS			8,500			
<b>Grand Total = Rs.</b>					<b>700,328</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

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**NORMS FOR MAINTENANCE OF 3 ha NURSERY UNDER CAMPA**


Number of Standard beds for raising naked seedlings	=	25
Number of Standard mother beds for raising polypot seedlings	=	20
Number of beds for arranging polypot seedlings	=	200
Total number of polypot seedlings to be raised	=	200,000
Total number of naked seedlings to be raised	=	10,000
Total number of Tall seedlings to be raised	=	5,000
<b>Total number of seedlings to be raised</b>	=	<b>215,000</b>

S. No	Particulars of works	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Applicable Rate of GST/Cess etc		
						GST	Labour cess	Contractor's profit
			@Rs.	273	/DL			
1	Preparation of 45 Standard beds (10 mother bed for polypots + 25 for naked seedlings/ stumps) by soil working etc.@ 1.5 DLs/ bed = 68 DLs	DLs	68	273	18,564			
2	Preparation of 225 beds for arranging polypot seedlings @ 4 bed/ DLs	DLs	56	273	15288			
3	Procurement of Bamboo for arranging polypots in the raised beds including ropes for tying etc.	No.	225	150	33750			
4	Procurement of quality seeds	LS			25,000			
5	Cost of Procurement of fertile soil, river silt/ sandy soil: 450 cu.m @ Rs.300/ cu.m including loading, transport and unloading.	cu.m	450	300	135,000			
6	Cost of Farm yard Manure & Vermi-compost: 150 cu.m.@ Rs.500/cu.m	cu.m	150	500	75,000			
7	Cost of fungicide, insecticide/pesticide etc. & their application	LS			5,000			
8	Cost of sowing/ dibbling of seeds in standard/ mother beds @ 5 beds/ DL for 45 beds = 9 DLs	DLs	9	273	2,457			
9	Cost of perforated virgin HDPE black polypot including 5% VAT & 15% excise duty for a) 2,15,000 polypots 5 inch x 8 inch x 300 gauge = 7.6 quintals (approx 26,500 polypot per quintal) b) 5,000 polypots 12 inch x 18 inch x 300 gauge = 1 quintal	Qtl	8.6	18500	159,100			
10	Preparation of 2,00,000 polypots including sieving of soil, mixing of soil with manure, filling of soil in polypots, arranging the polypots in beds, transplanting seedlings as per silviculture requirement of species etc. (1 DL = 200 polypot per day) = 1000 DLs	DLs	1000	273	273,000			
11	Preparation of 5000 polypot seedlings for tall planting including cost of polypot preparation and upkeepment (1DL = 20 polypot per day) = 250 DLS	No.	250	273	68,250			
12	Shifting of polypot seedlings to avoid rooting in soil atleast twice in a year @ 1000 polypot /DL = 410 DLS	DLs	410	273	111,930			
13	Providing temporary shed using agronet for shade demanding species (both bareroot & polypot) including purchase of bamboo posts etc.	LS			12,500			
14	Watering of 45 beds & 2.05 Lakh polypots (250 beds) as and when necessary @ 150 beds/ DL X 90 days (180 days of lean period) = 177 DLs	DLs	177	273	48,321			
15	Weeding of 45 beds and 2.05 polypots (250 beds) @ 3 beds/ DL X 5 weeding/ year = 492 DLs	DLs	492	273	134,316			
16	Protection work, cattle watching, fencing repairing and upkeepment of nursery works - 365 DLs	DLs	365	273	99,645			

  
 Chief Executive Officer  
 Assam State CAMPA  
 O/o the PCCF & HoFF, Assam  
 Aranya Bhawan, Guwahati-37



S. No	Particulars of works	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Applicable Rate of GST/Cess etc		
						GST	Labour cess	Contractor's profit
17	Cost of maintenance of tools, implements, signboard, bed wise signage (signage showing details of species, date of showing/ transplanting and number of plants) etc.	LS			25,000			
18	Capacity Building of frontline staffs/ NGO/ JFMC / PRI members, Awareness/ Sensitisation programmes, motivational campaigns, organisation of Workshops, meetings and exposure visit of all the stakeholders for conservation and protection of forests and wildlife (minimum 6 programmes)	LS			150,000			
19	Development of awareness materials and printing of brochures, pamphlets, banners etc.	LS			50,000			
20	Transportation of materials & seedings for free distribution etc.	LS			25,000			
21	Overhead, Administrative expenditure, Monitoring & Contingency	LS			22,879			
<b>Grand Total = Rs.</b>					<b>1,490,000</b>	<b>12%</b>	<b>1%</b>	<b>10%</b>

  
 Chief Executive Officer  
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File No. NA-1/47/2020-NA  
Government of India  
Ministry of Environment, Forest and Climate Change  
(National Authority)  
adhoc-campa-mef@nic.in  
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Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj  
New Delhi-110003  
Dated the 23<sup>rd</sup> October, 2020

To,  
PCCF & Chairman  
Executive Committee of the State CAMPA  
All States/UTs (Except Nagaland, Puducherry and Lakshadweep)

**Sub: Guidance for drawing APO for 2020-21 regarding.**

Madam/Sir,

The undersigned will draw your kind attention regarding inclusion of two important activities in the APO for 2021-2022 of the State CAMPA. These activities, namely "Treatment of degraded forest watersheds as per DPR prepared by using Lidar technology" and "Forestry interventions for rejuvenation of major rivers as per DPR prepared by ICFRE" were deliberated in the meeting of State Forest Ministers chaired by Shri Prakash Javadekar, Hon'ble Minister of Environment, Forest & Climate Change, GoI held on 17.08.2020. These will enhance quality of forest, increase the forest and tree cover of the country and meet the objectives of the CAF Act, 2016.

2. The efficacy of implementation of catchment area treatment plan (CATP) in one major ridge area inside a forest block of each State/UT as per a Detailed Project Report (DPR) prepared by using LiDAR 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 criteria circulated in DO letter dated 13.12.2019 of this Ministry and implement CATP as per the DPR prepared by the Government of India using the LiDAR technology. The work related to the preparation of the DPRs has been assigned to M/s WAPCOS Ltd, a GoI Undertaking, and the DPRs will be handed over to the States in March 2021. To reap the benefits of this exercise, it is essential that its thorough implementation in the forest block is complete before the onset of monsoon.

3. You are also aware that the ICFRE is preparing a DPR 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. This will be in addition to the DPR for forestry interventions for rejuvenation of river Ganga, which is being implemented by the National Mission on Clean Ganga, with the cooperation of the concerned State Governments. Afforestation in catchment of major rivers as per the 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 millions of fellow citizens who are directly or indirectly dependent on river water ecosystems.



4. Hence, it is requested to take necessary action for inclusion of these activities as major initiatives of the Annual Plan of Operation (APO) for 2021-22 and provision of sufficient fund be made in the Budget for 2021-22 of the State for this purpose.

Yours faithfully,

  
(Sanjay Kumar Ojha)  
Joint Chief Executive Officer

Copy to:

1. Additional Chief Secretary/Principal Secretary/Secretary Department of Forests, All State Governments/UT Administration (Except Nagaland, Puducherry and Lakshadweep)
2. Chief Executive Officer, All State CAMPA (Except Nagaland, Puducherry and Lakshadweep)

  
(Sanjay Kumar Ojha)  
Joint Chief Executive Officer