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**Submission of Annual Plan of Operation 2022-23**

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**From :** campameghalaya2019@gmail.com

Thu, Dec 23, 2021 04:08 PM

**Subject :** Submission of Annual Plan of Operation 2022-23 4 attachments**To :** N CAMPA <adhoc-campa-mef@nic.in>

Sir,

Please find attached herewith the Annual Plan of Operation 2022-23 along with Form.12-Part I, Minutes of the meeting of the Executive Committee held on 6th December, 2021 as well as the MInutes of the meeting of the Steering Committee held on 17th December, 2021 for your kind information and necessary action.

Best Regards

CAMP A Cell

Meghalaya, Shillong.


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 **2-Minutes of EC and SC.pdf**

3 MB

 **1-Forwarding letter + APO 2022-23 Abstract.pdf**

5 MB

 **3-Form 12 Part I.pdf**

14 MB

 **Annexure II - Part 2.pdf**

2 MB

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**From :** campameghalaya2019@gmail.com

Thu, Dec 23, 2021 04:02 PM

**Subject :** Re: Submission of Annual Plan of Operation 2022-23 1 attachment**To :** N CAMPA <adhoc-campa-mef@nic.in>

Sir,

In continuation to the trailing mail, please find attached herewith Annexure-I.

Best Regards

CAMP A Cell

Meghalaya, Shillong.

On Thu, 23 Dec 2021 at 15:40, State CAMP A Meghalaya <[campameghalaya2019@gmail.com](mailto:campameghalaya2019@gmail.com)> wrote:

Sir,

Please find attached herewith the Annual Plan of Operation 2022-23 along with Form.12-Part I, Minutes of the meeting of the Executive Committee held on 6th December, 2021 as well as the MInutes of the meeting of the Steering Committee held on 17th December, 2021 for your kind information and necessary action.

Best Regards

CAMP A Cell

Meghalaya, Shillong.

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 **Annexure I.pdf**

16 MB



GOVERNMENT OF MEGHALAYA  
DEPARTMENT OF FORESTS AND ENVIRONMENT  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF  
FORESTS & HoFF: MEGHALAYA



No. CAMPA/APO/2022-23/Vol-I /12425

Dated Shillong, the 23<sup>rd</sup> December, 2021.

To,

The Chief Executive Officer,  
Government of India,  
Ministry of Environment, Forest and Climate Change,  
(National Authority)  
Indira Paryavaran Bhavan, Agni Wing, 5<sup>th</sup> Floor,  
Aliganj, Jorbagh Road,  
New Delhi 110003.

Sub: Annual Plan of Operation for the financial year 2022-23.

Sir,

With reference to the above, I am directed to enclose herewith the Annual Plan of Operation (APO) pertaining to State Compensatory Afforestation Fund (SCAF) for a total sum of Rs 28,57,18,950/- (Rupees Twenty eight crores fifty seven lakhs eighteen thousand nine hundred fifty) only for financial year 2022-23 for undertaking various items of work.

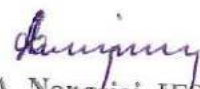
The aforesaid APO has been duly passed by the Executive Committee of the State CAMPA in their meeting dated 6<sup>th</sup> December, 2021 and the Steering Committee of the State CAMPA in their meeting dated 17<sup>th</sup> December, 2021.

It is requested that the enclosed APO may kindly be approved by National CAMPA and communicated to the office of Principal Chief Conservator of Forests & Head of Forest Force, Meghalaya.

This is for favour of your kind information and necessary action.

- Encl:
1. Detailed APO 2022-23 approved by Steering Committee.
  2. Detailed estimates, kml, maps and other supporting documents of proposed items.

Yours faithfully,

  
(S.A. Nongsiej, IFS)  
Chief Conservator of Forests (FC Act)  
& CEO (CAMPA)  
Meghalaya, Shillong.

*o/c*

**ABSTRACT OF COMPONENTS FOR THE YEAR 2022-2023 (New Activities)**

Sl. No.	Components	Amount		
1	<b>Non-NPV Component</b>			
	(i) Compensatory Afforestation	₹ 1,70,77,365		
	(ii) Biodiversity Conservation Programme Lafarge	₹ 50,64,453		
	<b>Total</b>	<b>₹ 2,21,41,818</b>		
2	<b>NPV Activities {Under Rule 5(2), 5(3) &amp; 6 of CAF Rules, 2018}</b>			
	Sl. No	Description		
	I.	<b>Items of work under Rule 5 (2) of CAF Rules, 2018</b>		
		(i) Assisted Natural Regeneration (a)	₹ 1,07,24,188	
		(ii) Artificial Regeneration (b)	₹ 7,07,08,173	
		(iii) Protection of plantations and forests (d)	₹ 3,85,98,880	
		(iv) Soil and Moisture Conservation works in the forest (g)	₹ 4,39,88,755	
		(v) Improvement of wildlife habitat as provided in the approved wildlife management plan or working plan (i)	₹ 2,35,76,351	
		(vi) Establishmant, operation, and maintenance of animal rescue centre and veterinary treatment facilities for wild animals (k)	₹ 21,85,000	
		(vii) Management of biological diversity and biological resource (m)	₹ 1,90,07,848	
		<b>Total</b>	<b>₹ 20,87,89,195</b>	80.77%
	II.	<b>Items of work under Rule 5 (3) of CAF Rules, 2018</b>		
		(i) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials (a)	₹ 11,39,632	
		ii) Purchase and Maintenance of equipment or devices (c)	₹ 6,29,950	
		(iii) Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber depots (d)	₹ 4,74,62,905	
(iv) Construction of residential and official buildings in forests for front line staffs deployed for protection of forest and wildlife (e)				
(v) Casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife undertaken from State Fund (f)	₹ 4,63,050			
	<b>Total</b>	<b>₹ 4,96,95,537</b>	19.23%	
3	III.	<b>Items of work under Rule 6 of CAF Rules, 2018</b>		
		(i) Management of office establishment		
		(ii) Office equipment including computers and peripherals and its maintenance for the State Authority		
		(iii) Hiring of staff cars for the use of the officers and officials of the State Authority	₹ 50,92,400	
		(iv) Hiring of buildings on lease for the office establishment and residences of the officers of State Authority		
(v) Other contingencies for management of the State Authority				
		<b>Total</b>	<b>₹ 50,92,400</b>	
		<b>Wing Total (Non-NPV + NPV Activities)</b>	<b>₹ 28,57,18,950</b>	

**ANNUAL PLAN OF OPERATION IN RESPECT OF MEGHALAYA STATE CAMPA  
FOR THE YEAR 2022-2023**

**L. NON-NPV COMPONENTS**

**Activities to be undertaken by Social Forestry and Territorial Divisions**

i) COMPENSATORY AFFORESTATION					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
1	(T) Tura	<b>West &amp; South West Garo Hills (T) Division Tura</b> Plantation of trees in CA Area = 0.0450 Ha (Forest land of 0.0225 Ha diverted for water tank at Babupara Tura Peak RF)- First year Creation	0.0450	₹ 1,388	Detailed Estimate & KML enclosed as Annexure 1
2	(T) Williamnagar	<b>East &amp; North Garo Hills (T) Division, Willaimnagar</b> Preliminary year of Plantation & First Year Creation of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Construction of New Health Sub Centre Building at Dambu Rongdengiri - 0.03 Ha	0.1 Ha	₹ 3,707	Detailed Estimate, Site Inspection Report & KML enclosed as Annexure 2
3	(T) Williamnagar	First year Creation of Plantation & Second Year Maintainance of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Construction of Bridge No 4/2 over Rongap River on RSN Road (FP/ML/ROAD/26840/2017) - 0.0474 Ha	0.2 Ha	₹ 6,094	Detailed Estimate & KML enclosed as Annexure 3-7
4	(T) Williamnagar	First year Creation of Plantation & Second Year Maintainance of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Construction of 132 Kva Transmission Line from Nangalbibra to Mendipathar - 4.7 Ha	10.0 Ha	₹ 3,04,695	
5	(T) Williamnagar	First year Creation of Plantation & Second Year Maintainance of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Diversion of land Historical site located at Sisabibra Range to Togan Memorial Association - 0.978 Ha	2.0 Ha	₹ 60,939	
6	(T) Williamnagar	First year Creation of Plantation & Second Year Maintainance of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Diversion of 0.04 of Forest land for const. of Zonal Water reservoir in Rongengiri Reserve Forest of East Garo Hills district - 0.04 Ha	0.8 Ha	₹ 23,650	
7	(T) Williamnagar	First year Creation of Plantation & Second Year Maintainance of Nursery (1 Polypot & 2 Naked root bed per Ha) as Compensatory Afforestation for Diversion of 0.3 ha of Reserve Forest land for const. of Telephone Exchange and Staff quarter at Chimabangshi Reserve Forest. - 0.3 Ha	0.6 Ha	₹ 18,282	
8	(SF&T) Nongstoin	West & South West Khasi Hills, (SF & T) Division Nongstoin First Year Creation of nursery and Preliminary works for raising CA to compensate diversion of Forest land of 6.55 Ha extraction of limestone in Jaintia Hills District by Green Valley	6.55 Ha	₹ 2,72,208	Detailed Estimate & KML enclosed as Annexure 8
9	(SF&T) Nongstoin	First Year Creation of nursery and Preliminary works to compensate diversion of Forest land of 16.108 Ha Shillong Dawki road	16.108 Ha	₹ 6,69,423	Detailed Estimate & KML enclosed as Annexure 9



10	(T) Jowai	<b>Jaintia Hills, (T) Division, Jowai</b> CA for laying 132 KV D/C Line Khliehriat-Badarpur (32.40 Ha) 5th year maintenance of 8 Ha plantation at Pahar Umkiang under Umkiang Territorial Range (Compartment No.3)	8 Ha	₹ 59,200	Detailed Estimate & KML enclosed as Annexure 10
11	(T) Jowai	i) Advance works of 24.4 Ha plantation at Langthalang under Umkiang Territorial Range (Compartment No.14)	24.4 Ha	₹ 4,06,260	Detailed Estimate & KML enclosed as Annexure 11
12	(T) Jowai	CA area 9.738 Ha located at Saipung Reserve Forest (Compartment No.6 A) Creation of plantation	9.738 Ha	₹ 2,70,230	Detailed Estimate & KML enclosed as Annexure 12
13	(T) Jowai	CA area land of 4.82 Ha located at Kairen, Moulhoi village, Saipung East Jaintia Hills District which has been taken over from Star Cement Ltd. Creation of plantation	4.82 Ha	₹ 1,33,755	Detailed Estimate & KML enclosed as Annexure 13
14	(T) Jowai	CA area land of 154.88 Ha located at Moulhoi village, Saipung East Jaintia Hills District adjacent to SRF which has been taken over from Dalmia Cement Ltd. Creation of plantation	154.88 Ha	₹ 42,97,920	Detailed Estimate & KML enclosed as Annexure 14
15	(T) Jowai	CA area land of 84.806 Ha located at SRF (Compartment No.6 A & B) Creation of plantation	84.806 Ha	₹ 23,53,367	Detailed Estimate & KML enclosed as Annexure 15
16	(T) Jowai	<b>CA for Dalmia Cement Plant</b> <b>i) Advance work for creation of 10.055 Ha plantation (Compartment Moulhai)</b>	10.055 Ha	₹ 2,79,026	Detailed Estimate & KML enclosed as Annexure 16
17	(T) Jowai	<u>400 KV D/C Line from Pallantana to Bongaigoan, 130 Ha</u> i) 5th year maintenance of 36 Ha plantation (Jongria Beat) of SRF under Saipung Range (T) (Compartment No.6 B)	36 Ha	₹ 2,66,400	Detailed Estimate & KML enclosed as Annexure 17
18	(T) Jowai	ii) Advance work of 94 Ha (44 Ha, 35 Ha & 15 Ha) plantation (Jongria Beat) of SRF under Saipung Range (T) Saipung (Compartment No.6 A & 2)	94 Ha	₹ 15,65,100	Detailed Estimate & KML enclosed as Annexure 18
19	(T) Jowai	<b>Compensatory Afforestation (100 Ha)</b> i) 5th year maintenance of 26 Ha plantation (Jongria Beat) of SRF under Saipung Range (T) (Compartment No.5 A)	26 Ha	₹ 1,92,400	Detailed Estimate & KML enclosed as Annexure 19
20	(T) Jowai	iii) Advance work 24 Ha plantation at SRF (Compartment No.5 A)	24 Ha	₹ 3,99,600	Detailed Estimate & KML enclosed as Annexure 20
21	(T) Jowai	iii) Advance work & creation of 24.31 Ha (out of 56) plantation at SRF (Compartment No.7 B)	24.31 Ha	₹ 10,79,364	Detailed Estimate & KML enclosed as Annexure 21
22	(T) Jowai	<b>Compensatory Afforestation (43 Ha)</b> 5th year maintenance of 43 Ha plantation (Jongria Beat) of SRF under Saipung Range (T), Saipung (Compartment No.6 A)	43 Ha	₹ 3,18,200	Detailed Estimate & KML enclosed as Annexure 22
23	(T) Jowai	<b>Compensatory Afforestation (37 Ha)</b> i) 4th year maintenance of 17 Ha plantation (Jongria Beat) of SRF under Saipung Range (T), Saipung (Compartment No.6 A)	17 Ha	₹ 88,060	Detailed Estimate & KML enclosed as Annexure 23
24	(T) Jowai	ii) 4th year maintenance of 20 Ha plantation at Pahar Umkiang under Umkiang Territorial Range (Compartment No.3)	20 Ha	₹ 1,03,600	Detailed Estimate & KML enclosed as Annexure 24

25	(T) Jowai	1st year creation of 272 beds polypot Nursery for raising plantation of 24.31 Ha Compartment No 7 B, 24 Ha Compartment No. 5 A, 10.055 Ha CA of Dalmia Cement at Moulhoi village, 94 Ha compartment No. 6 B) at Saipung Territorial Range Office.	272 beds	₹ 30,79,584	Detailed Estimate & KML enclosed as Annexure 25
26	(T) Jowai	2nd year maintenance of 300 beds polypot nursery at Saipung (250 bed)a(Compartment Saipung RF)nd Umkiang Range (T)	300 beds	₹ 2,71,950	Detailed Estimate & KML enclosed as Annexure 26
27	(T) Jowai	2nd year maintenance of 610 beds polypot nursery of 254.252 Ha (9.738 Ha at SRF, 4.82 Ha at Kairen Moulhoi village, 154.88 Ha at Moulhoi village & 84.806 Ha at Saipung Reserve Forest)	610 beds	₹ 5,52,965	Detailed Estimate & KML enclosed as Annexure 27
<b>Total</b>				<b>₹ 1,70,77,365</b>	

ii) BIODIVERSITY CONSERVATION PROGRAMME LAFARGE					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
28	(SF) Shillong	<b>East Khasi Hills, (SF) Division, Shillong</b> 5 <sup>th</sup> Year Maintenance of 24 Ha. Green Belt plantation at BCP Lafarge Project at Nongtraï under Sohra Range	24 Ha.	₹ 3,90,720	Detailed Estimate, Photograph & KML enclosed as Annexure 28
29	(SF) Shillong	5 <sup>th</sup> Year Maintenance of 60 Ha. plantation at BCP Lafarge Project at PyrkanShella under Sohra Range	60 Ha.	₹ 9,76,800	Detailed Estimate, Photograph & KML enclosed as Annexure 29
30	(SF) Shillong	5 <sup>th</sup> Year Maintenance of 18.1 Ha. Green Belt plantation at BCP Lafarge Project at Nongtraï	18.1 Ha	₹ 2,94,668	Detailed Estimate, Photograph & KML enclosed as Annexure 30
31	(SF) Shillong	5 <sup>th</sup> Year Maintenance of 7 Ha. plantation at BCP Lafarge Project at Nongtraï	7 Ha.	₹ 1,13,960	Detailed Estimate, Photograph & KML enclosed as Annexure 31
32	(SF) Shillong	5 <sup>th</sup> Year Maintenance of 6.07 Ha. plantation at BCP Lafarge Project at Nongtraï	6.07 Ha	₹ 98,820	Detailed Estimate, Photograph & KML enclosed as Annexure 32
33	(SF) Shillong	2 <sup>nd</sup> Year Maintenance of 260 Beds poly pot Nursery at Saikarap Lumbaring for 100 Ha. Plantation during the year 2022-23 for Compensatory afforestation under Sohra Range	260 Beds	₹ 1,92,485	Detailed Estimate & KML enclosed as Annexure 33
34	(SF) Shillong	1 <sup>st</sup> Year Creation and Maintenance works of 100 Ha. Areas (Consists of 12 plots) plantation for compensatory afforestation i. KhahbadarShella Plot-I 7.9 Ha ii. KhahbadarShella Plot-II 9.5 Ha iii. KhahbadarShella Plot-III 7.15 Ha iv. KhahbadarShella Plot-IV 6.2 Ha v. KhahbadarShella Plot-V 3.08 Ha vi. KhahbadarShella Plot-VI 2.68 Ha vii. PyrkanShella Plot-I 8.1 Ha viii. PyrkanShella Plot-II 3.0 Ha ix. PyrkanShella Plot-III 4.09 Ha x. KhahmalaiMustohShella 22.8 Ha xi. DishamShella 20.4 Ha xii. WahdohthliShella 5.1 Ha	100 Ha.	₹ 29,97,000	Detailed Estimate & KML enclosed as Annexure 34
<b>Total</b>				<b>₹ 50,64,453</b>	

**II. NPV ACTIVITIES**

**1) Items of work under Rule 5(2) of CAF Rules, 2018**

i)					
Assisted Natural Regeneration (Natural Forest Management, Rule 5(2)(a))					
Sl. No.	Division	Items of works	Quantity	Amount	Remarks
35	(T) Williamnagar	<b>East &amp; North Garo Hills (T) Division, Williamnagar</b> Preliminary work for Plantation - 15 Ha First Year Creation of Nursery (1 Polypot & 2 Naked root bed per Ha) i. Polypot Nursery Beds- 15 Beds ii. Nakedroot Nursery Beds- 30 Beds	15 Ha	₹ 9,33,510.00	Detailed Estimate, Site Inspection Report & KML enclosed as Annexure 35
36	(T) Williamnagar	First year creation of Plantation - 28 Ha Second year creation of Nursery (1 Polypot & 2 Naked root bed per Ha) i) Polypot Nursery Beds - 28 Beds ii) Nakedroot Nursery Beds - 56 Beds	28 Ha	₹ 12,46,826.00	Detailed Estimate & KML enclosed as Annexure 36
37	(T) Williamnagar	Second Year Maintainance of Plantation of 2020-21 - 40 Ha	40 Ha	₹ 10,21,200.00	Detailed Estimate & KML enclosed as Annexure 37
38	(T) Williamnagar	Third Year Maintainance of Planataion of 2014-17 - 10 Ha	10 Ha	₹ 2,14,600.00	Detailed Estimate & KML enclosed as Annexure 38
39	(T) Williamnagar	Plantation along with Fencing of Encroachment Prone areas in Chimabangshi Reserve Forest to protect the RF from Encroachments - Phase - I.	10000 Saplings @250/-	₹ 25,00,000	Detailed Estimate & KML enclosed as Annexure 39
40	(T) Williamnagar		500 Rmt @4,500/-	₹ 22,50,000	Detailed Estimate enclosed as Annexure 40
41	(T) Williamnagar	Second year Maintainance of 20 Permanent Polypot Beds & 10 permanent Naked Root Beds created under CAMPA 2021-22	6 Nos. @45,791/-	₹ 1,63,170	Detailed Estimate enclosed as Annexure 41
42	(T) Williamnagar	Planting of Saplings in Blank Areas with Bamboo cage in Rajasimla RF	5000 Saplings @250/-	₹ 12,50,000	Detailed Estimate enclosed as Annexure 42
43	(T) Baghmara	<b>South Garo Hills, (SF&amp;T) Division, Baghmara</b> 1) Southern Range, Baghmara			
44	(T) Baghmara	3rd year maintenance of plantation under Baghmara RF (Panda)	2.5 ha	₹ 44,400.00	Detailed Estimate & KML enclosed as Annexure 44
45	(T) Baghmara	2nd year maintenance of plantation under Baghmara RF (Panda)	2.5 ha	₹ 44,400.00	
46	(T) Baghmara	2nd year maintenance of plantation under Baghmara RF (Rangasora)	5.0 ha	₹ 88,800.00	Detailed Estimate & KML enclosed as Annexure 46
47	(T) Baghmara	Preliminary work and 1st year creation of plantation under Baghmara RF (Iqbalpur)	5.0 ha	₹ 2,22,000.00	Detailed Estimate & KML enclosed as Annexure 47

48	(T) Baghmara	Creation of polypot nursery at Baghmara RF (Rangasora)	10 beds	₹ 1,13,220.00	Detailed Estimate & KML enclosed as Annexure 48
49	(T) Baghmara	Creation of naked root bed nursery at Baghmara RF (Rangasora)	5 beds	₹ 22,755.00	Detailed Estimate & KML enclosed as Annexure 49
50	(T) Baghmara	Creation of Polypot nursery at Baghmara RF.	16 beds	₹ 1,81,152.00	Detailed Estimate & KML enclosed as Annexure 50
51	(T) Baghmara	Creation of Naked Root bed nursery at Baghmara RF.	16 beds	₹ 72,816.00	Detailed Estimate & KML enclosed as Annexure 51
52	(T) Baghmara	2nd year maintenance of polypot nursery at Baghmara RF (Rongkrekgittim)	15 beds	₹ 13,597.50	Detailed Estimate & KML enclosed as Annexure 52
53	(T) Baghmara	2nd year maintenance of naked root bed nursery at Baghmara RF (Rongkrekgittim)	19.5 beds	₹ 17,676.75	
54	(T) Baghmara	3rd year maintenance of plantation under Angratoli RF (Khondok)	2.5 ha	₹ 44,400.00	Detailed Estimate & KML enclosed as Annexure 54
55	(T) Baghmara	2nd year maintenance of plantation under Angratoli RF (Dalupara)	2.5 ha	₹ 44,400.00	
56	(T) Baghmara	2nd year maintenance of plantation under Angratoli RF (Dalupara)	5.0 ha	₹ 88,800.00	Detailed Estimate & KML enclosed as Annexure 56
57	(T) Baghmara	Preliminary work and 1st creation of plantation under Angratoli RF (Gasuapara Check Gate) (Patch-I) (2 ha) (Patch-II) (3 ha)	5.0 ha	₹ 1,16,550.00	Detailed Estimate & KML enclosed as Annexure 57
58	(T) Baghmara	2nd year maintenance of polypot nursery at Angratoli RF (Gasuapara Check Gate)	15 beds	₹ 13,597.50	Detailed Estimate & KML enclosed as Annexure 58
59	(T) Baghmara	2nd year maintenance of naked root bed nursery at Angratoli RF (Gasuapara Check Gate)	18 beds	₹ 16,317.00	Detailed Estimate & KML enclosed as Annexure 59
<b>Total</b>				<b>₹ 1,07,24,187.75</b>	



ii) Artificial Regeneration, Rule 5(2)(b)					
Sl No	Division	Particulars of Work	Quantity	Amount	Remarks
60	(T) Tura	<b>West &amp; South West Garo Hills, (T) Division, Tura</b> 2nd year Nursery for 40 Beds	40 Beds	₹ 36,260.00	Detailed Estimate & KML enclosed as Annexure 60
61	(T) Tura	Preliminary and 1st year creation for 5 Ha in Dibru Hills RF	5 Ha	₹ 2,22,000.00	Detailed Estimate & KML enclosed as Annexure 61
62	(SF) Baghmara	<b>South Garo Hills, (SF&amp;T) Division, Baghmara</b> 2 <sup>nd</sup> year Maintenance of 50 Beds Poly Pot Nursery	50 Beds	₹ 29,600.00	Detailed Estimate enclosed as Annexure 62
63	(SF) Baghmara	2nd Year maintenance of 20 Beds Poly Pot Nursery	20 Beds	₹ 11,840.00	Detailed Estimate enclosed as Annexure 63
64	(SF) Baghmara	Creation and 1 <sup>st</sup> Year Maintenance of 65 Ha. Plantation at i. Dasangiri: 20 Ha ii. Gittingbibra: 15 Ha iii. Wagekona: 15 Ha iv. Daldamgre: 15 Ha	65 Ha.	₹ 19,48,050.00	Detailed Estimate enclosed as Annexure 64
65	(SF) Baghmara	4th Year Maintenance of 36.4 Ha. Catchment Area Plantation at i. Gittingbibra: 15 Ha ii. Jaksongram: 15 Ha iii. MekaAdu: 6.4 Ha	36.4 Ha.	₹ 4,71,380.00	Detailed Estimate enclosed as Annexure 65
66	(SF) Baghmara	3 <sup>rd</sup> Maintenance of 20 Ha. Plantation at Jasongram and Gittingre created during 2014-15.	20 Ha.	₹ 4,29,200.00	Detailed Estimate enclosed as Annexure 66
67	(SF) Nongstoin	<b>West &amp; South West Khasi Hills, (SF &amp; T) Division, Nongstoin</b> 2 <sup>nd</sup> Year Maintenance of 40 Ha. Plantation	40 Ha.	₹ 10,21,200.00	Detailed Estimate & KML enclosed as Annexure 67
68	(SF) Nongstoin	3rd Maintenance of 25 Ha. Plantation	25 Ha.	₹ 5,36,500.00	Detailed Estimate & KML enclosed as Annexure 68
69	(SF) Nongstoin	Preliminary work for creation of 200 Ha. Plantation	200 ha.	₹ 83,62,000.00	Detailed Estimate, NOC, Map & KML enclosed as Annexure 69
70	(SF) Nongstoin	2nd Year maintenance of 250 polypots beds	250 beds	₹ 2,26,625.00	Detailed Estimate & KML enclosed as Annexure 70
71	(SF) Nongstoin	Complete creation of 500 beds of poly pot Nursery for raising of 200 Ha Plantation	500 beds	₹ 56,61,000.00	Detailed Estimate & KML enclosed as Annexure 71
72	(SF) Shillong	<b>East Khasi Hills, (SF) Division, Shillong</b> 4 <sup>th</sup> Year Maintenance of 10 Ha. integrated Plantation i. Umkut Parkan Shella under Sohra Range-5 Ha ii. Lawbah under Mawsynram Range- 5 Ha	10 Ha.	₹ 1,29,500.00	Detailed Estimate, Photograph & KML enclosed as Annexure 72
73	(SF) Shillong	2 <sup>th</sup> Year Maintenance of 4 Km Road side Plantation i. Pyrkan village under Sohra Range – 2 Km ii. Janiaw to Lawbah under Mawsynram Range- 2 Km	4 Km	₹ 5,92,000.00	Detailed Estimate, Photograph & KML enclosed as Annexure 73

74	(SF) Shillong	3 <sup>th</sup> Year Maintenance of 6 Km Roadside Plantation i. Wahlyngkhat to Kyngkawet - 2 Km ii. Thangkarang - 1 Km iii. Mawiong - 1 Km iv. Jahtah - 1 Km v. Umnongrim to Mawhiang - 1 Km	6 Km	₹ 8,88,000.00	Detailed Estimate & KML enclosed as Annexure 74
75	(SF) Shillong	2nd Year Maintenance of 300 Beds Poly Pot Nursery under CAMPA during 2020-21 for planting during observation of important days/sale to Public/NGO/Govt. Institution i. Sohlwai Nursery, Mawkyntew Range- 40 beds ii. Range Forest Nursery, Sohra Range - 50 beds iii. Weilor Nursery, Mawsynram Range - 40 beds iv. Polo Central Nursery, Shillong Urban Beat - 50 beds v. Polo Central Nursery, Shillong Range- 50 beds vi. 4 1/2 Mile Nursery, Upper Shillong, Myllem Range- 40 beds vii. Wahlyngkhat Nursery, Pynursla Range- 30 beds	300 Beds	₹ 2,71,950.00	Detailed Estimate & KML enclosed as Annexure 75
76	(SF) Jowai	<b><u>Jaintia Hills, (SF) Division, Jowai</u></b> 5 <sup>th</sup> year Maintenance of 25 Ha. Plantation Created as per 2015-16	25 Ha.	₹ 4,07,000	Detailed Estimate & KML enclosed as Annexure 76
77	(SF) Jowai	4 <sup>th</sup> Year maintenance of 20 Ha. Plantation Created as per 2016-17	20 Ha.	₹ 2,59,000	Detailed Estimate & KML enclosed as Annexure 77
78	(SF) Jowai	3 <sup>th</sup> Year maintenance of 20 Ha. Plantation Created as per 2016-17	20 Ha.	₹ 4,29,200	Detailed Estimate & KML enclosed as Annexure 78
79	(SF) Jowai	Creation and 1 <sup>st</sup> Year Maintenance of 415 Ha. Plantation	415 Ha.	₹ 1,24,37,550	Detailed Estimate & KML enclosed as Annexure 79
80	(SF) Nongpoh	<b><u>North Khasi Hills, (SF) Division, Nongpoh</u></b> 2nd year maintenance of 173 beds nursery	173 beds	₹ 1,56,824.50	Detailed Estimate enclosed as Annexure 80
81	(SF) Nongpoh	5 <sup>th</sup> year Maintenance of 25 ha. Plantation Created as per 2014-15 Outlay	25 Ha.	₹ 4,07,000.00	Detailed Estimate & KML enclosed as Annexure 81
82	(SF) Nongpoh	4 <sup>th</sup> Year Maintenance of 20 Ha. Plantation as per 2015-16 Outlay	20 Ha.	₹ 2,59,000.00	Detailed Estimate & KML enclosed as Annexure 82
83	(SF) Nongpoh	3 <sup>th</sup> Year Maintenance of 20 Ha. Plantation as per 2016-17 Outlay	20 Ha.	₹ 4,29,200.00	Detailed Estimate & KML enclosed as Annexure 83
84	(SF) Nongpoh	Preliminary work for Creation 178 Ha. Plantation	178 Ha.	₹ 74,42,180.00	Detailed Estimate, Consent Certificate & KML enclosed as Annexure 84
85	(SF) Nongpoh	Creation of 445 Beds Nursery for raising 178 Ha Plantation	445 Beds	₹ 50,38,290.00	Detailed Estimate & KML enclosed as Annexure 85
86	(SF) Williamnagar	<b><u>East Garo Hills, (SF) Division, Williamnagar</u></b> Second year maintenance of 150 Beds polypot nursery	150 Beds	₹ 88,800.00	Detailed Estimate & KML enclosed as Annexure 86
87	KHADC, Shillong	<b><u>Khasi Hills, KHADC, Shillong</u></b> Working Schemes of West Khasi Hills District			
88	KHADC, Shillong	i) Preliminary works	71 ha	₹ 29,68,510.00	Detailed Estimate, NOC & KML enclosed as Annexure 88

89	KHADC, Shillong	ii) 1st Year maintenance	71.06 ha	₹ 21,29,668.20	Detailed Estimate enclosed as Annexure 89
90	KHADC, Shillong	iii) Polypot Nursery: Creation of 156 Nursery Beds	156 beds	₹ 17,66,232.00	Detailed Estimate, NOC & KML enclosed as Annexure 90
91	KHADC, Shillong	iv) Polypot Nursery: Maintenance of 156 Nursery Beds	156 beds	₹ 1,41,414.00	Detailed Estimate, NOC enclosed as Annexure 91
92	GHADC, Tura	<b>Garo Hills, GHADC, Tura</b> Creation of 100 ha of plantations outside reserved forest and protected forest	100 ha	₹ 29,97,000.00	Detailed Estimate enclosed as Annexure 92
93	GHADC, Tura	Creation and 1st year maintenance of Polypot Nursery	220 beds	₹ 24,90,840.00	Detailed Estimate enclosed as Annexure 93  KML enclosed as Annexure 93-96
94	GHADC, Tura	Creation and 1st year maintenance of Naked Root Nursery	250 beds	₹ 11,37,750.00	Detailed Estimate enclosed as Annexure 94  KML enclosed as Annexure 93-96
95	GHADC, Tura	2nd year maintenance of Polypot Nursery	250 beds	₹ 2,26,625.00	Detailed Estimate enclosed as Annexure 95
96	GHADC, Tura	2nd year maintenance of Naked Root Nursery	250 beds	₹ 2,26,625.00	KML enclosed as Annexure 93-96
97	JHADC, Jowai	<b>Jaintia Hills, JHADC, Jowai</b> Maintenance of the existing plantation for 348.64 Ha			
98	JHADC, Jowai	i) 2nd year maintenance of 75 hectare, plantation 2020-2021 at Farat Mual, Saipung.	75 Ha	₹ 19,14,750.00	Detailed Estimate & Map Name of Species enclosed as Annexure 98 - 101  KML enclosed as Annexures (98 - 101)
99	JHADC, Jowai	ii) 2nd year maintenance of 75 hectare, plantation 2020-2021 at Lamet, Rakabah.	75 Ha	₹ 19,14,750.00	
100	JHADC, Jowai	iii) 5th year maintenance of 98.64 Hectare plantation 2015-16 at Ladakhar, Umsalangnar.	98.64 Ha	₹ 16,05,859.20	
101	JHADC, Jowai	iv) 1st year creation and maintenance of 100 Hectare plantation to be created in the blank area of the working scheme where the preliminary work sanction in 2021-22.	100 Ha	₹ 29,97,000.00	
<b>Total</b>				<b>₹ 7,07,08,173</b>	

iii) Protection of Forests, Rule 5(2)(d)					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
102	(WL) Tura	East & West Gare Hills, (WL) Division, Tura Construction of cement concrete boundary pillar including earth works with stone soiling in foundation along the existing boundary of the CRFs Selhalgre CRF 25°34'55.24"N & 90°17'8.74"E Chandigre CRF 25°31'42.00"N & 90°18'19.5"E Sasatgre CRF 25°31'59.9"N & 90°19'52.6"E Mandalgre CRF 5°28'51.10"N & 90°21'54.46"E Duribokgre CRF 25°28'32.74"N & 90°18'51.21"E Sakalgre CRF 25°29'52.60"N & 90°17'30.56"E Dumitdikgre CRF 25°30'43.01"N & 90°17'59.89"E Baladinggre CRF 25°30'43.01"N & 90°17'59.89"E Thokpara- 25°16'30.98"N 90°6'19.73"E Chimanpura 25°15'27.33"N 90°8'4.79"E Rongalgre- 25°27'38.64"N 90°10'3.80"E Pokasindhi - 25°18'45.72"N 90°1'23.19"E Arukgre N 25°48'38.50" E 90°24'07.65" Kitmadamgre N 25°48'26.51" E 90°23'35.98" Resu Hahapara N 25°55'25.23" E 90°35'52.91" Mongalgre CRF N 25°39'56.81" E 090°11'17.13" Eman Asakgre-N 25°20'22.1" E 090°30'44.2" Bandarigre Pitcher plant sanctuary-N 25°23'18.6" E 090°19'26.2" Mikadogre Pitcher plant sanctuary- N 25°23'16.6" E 090°18'40.4" Dangkipara fish sanctuary- N 25°23'57.7" E 90°15'31.26"	450 Nos. @ ₹6600/-	₹ 29,70,000.00	Detailed Estimate & KML enclosed as Annexure 102
103	(WL) Shillong	<b>Khasi Hills, (WL) Division, Shillong</b> Repairing of Patrolling Camp: Maweit village N25°25'179" E091°05.302	1 No.	₹ 1,50,000.00	Detailed estimate & KML enclosed as Annexure 103
104	(WL) Shillong	Extension of Patrolling Camp cum Washing Platform: Maweit Village N25°26'179" E091°04'306"	1 No.	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 104
105	(WL) Shillong	Repairing of Patrolling Camp: Nongstein N250°32'724" E091°13'837"	1 No.	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 105
106	(WL) Shillong	Procurement of camp equipments 1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81" 2. Lumjusong CR N 25°53'31.0" E 92°02'28.6" 3. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37" 4. Nongsaugo CR N 25°52'23.60" E 92°03'47.70" 5. Jirang CR N 25°56'51.2" E 91°33'42.1"	5 Sets @ ₹50,000/-	₹ 2,50,000.00	Detailed Estimate & KML enclosed as Annexure 106
107	(WL) Shillong	Demarcation of Boundary and coaltering: 1. Miewsyiar CR N 25°25.417 E 091°05.295 2. Kpoh Eijah CR N 25°28.165 E 091°25.299	-	₹ 2,40,000.00	Detailed Estimate & KML enclosed as Annexure 107
108	(WL) Shillong	Construction of Boundary Pillars: 1. Miewsyiar CR N 25°25.419 E 091°05.286 2. Kpoh Eijah CR N 25°28.164 E 91°25.297	20 Nos. @ ₹6600/-	₹ 1,32,000.00	Detailed Estimate & KML enclosed as Annexure 108
109	(WL) Shillong	Construction of Boundary Pillars: 1. Miewsyiar CR N 25°25.538 E 091°05.209 2. Kpoh Eijah CR N 25°28.164 E 91°25.298	30 Nos. @ ₹6600/-	₹ 1,98,000.00	Detailed Estimate & KML enclosed as Annexure 109
110	(WL) Shillong	Boundary demarcation by constructing RCC Pillars around Law Lyngdoh, Raid Mathan CR (New proposal): Law Lyngdoh, Raid Mathan	50 Nos. @ ₹6600/-	₹ 3,30,000.00	Detailed Estimate & KML enclosed as Annexure 110
111	(WL) Shillong	Purchase of uniform items for staff including Khaki, Jungle Boots, Jersey, Rain Coat, etc HQ Range	LS	₹ 2,00,000.00	

112	(WL) Shillong	Purchase of Patrolling Equipments such as Camping Tents, Utensils, Sleeping Bags, etc; Protection Range	LS	₹ 2,00,000.00	Detailed Estimate enclosed as Annexure 111
113	(WL) Shillong	Purchase of Patrolling Equipments, Utensils, etc 1. Kpoh Eijah CR 2. Miewsyiar CR	LS	₹ 1,00,000.00	
114	(WL), Jowai	Jaintia Hills, (WL) Division, Jowai Construction of 2 Nos. Boundary Pillars along the boundary of Khloo Blai Sein Rajj Kongwasua Chyrmang Community Reserve N 25° 26'04.40" E 92° 16'50.12"	2 Nos. @ ₹6600/-	₹ 13,200.00	Detailed Estimate & KML enclosed as Annexure 114
115	BNP, Baghmara	BNP Division, Baghmara i) Boundary Pillars [1)Gokagre : 2) Halwa Ambeng : 3) Upper Dosogre : 4) Jaksongram : 5) Aritakgre : 6) Karukol : 7) Sija Duramang-18) Sija Duramang-II: 9) Rongcheng: 10) Taidang 11) Daleggilim: 12)Dambuk Atlong: 13) Lotnagar: 14)Chengni: 15)Chim[ap: 16) Matcharampat: 17)Balsri A'ding: 18) Teptepa 19) Rantagsora 20) Jaksongram]	50 Nos @ ₹6600/-	₹ 3,30,000.00	Detailed Estimate enclosed as Annexure 115
116	BNP, Baghmara	i) Watch Tower- cum Patrolling Camps a) Kalu: 25°21'44.09"N090°48'48.06"E b) Chinsru (Northern side): 25°17.740"N 090°51.778"E c) Pindengru (Northern side): 25°11'14.23"N090°51'23.19" E	1 @ ₹15,00,000/-	₹ 15,00,000.00	Detailed Estimate & KML enclosed as Annexure 116
117	BNP, Baghmara	i) Construction of Fire Watch-Towers a) Matcha Melaram ( Balpakram) : N25°16'56.00E090°50'29.13	1 Nos @ ₹15,00,000/-	₹ 15,00,000.00	Detailed Estimate & KML enclosed as Annexure 117
118	(T) Shillong	<b>East Khasi Hills &amp; Ri-Bhol. (T) Division, Shillong</b> Construction of Chain Link Fencing to protect RF and PF from encroachment	1000 mtr @4200/-	₹ 42,00,000.00	Detailed Estimate & KML enclosed as Annexure 119
119	(T) Shillong	a) Shillong North Range - 250 mtrs			
120	(T) Shillong	b) Shillong South Range - 250 mtrs			
121	(T) Shillong	c)Nongpoh (T) Range - 250 mtrs			
122	(T) Shillong	d) Umtasor Range - 250 mtrs			
123	(T) Shillong	Construction of boundary pillars under Nongpoh (T) Range	10 Nos.	₹ 1,40,000.00	Detailed Estimate enclosed as Annexure 123
124	(T) Shillong	Construction of Boundary Wall-	302 mtr @7000/-	₹ 21,14,000.00	Detailed Estimate & KML enclosed as Annexure 125
125	(T) Shillong	a) Shillong North Range - 232 mtr			
126	(T) Shillong	b) Shillong South Range - 30 mtr			
127	(T) Shillong	c) Nongpoh (T) Range - 40 mtrs			Detailed Estimate & KML enclosed as Annexure 127
128	(T) Tura	West & South West Garo Hills, (T) Division, Tura Construction of boundary fencing at Tura Peak RF @ 2250 X 2000 Rms + extra carriages charges 30%	2000 Rms	₹ 58,50,000.00	Detailed Estimate & KML enclosed as Annexure 128
129	(T) Tura	a) Arms i) Pump action Gun 20 Nos. including licence fee	20 Nos. @ 100000/-	₹ 20,00,000.00	Detailed Estimate enclosed as Annexure 129
130	(T) Tura	Revolver for field inspection 2 Nos. including licence fee	2 Nos.@ 100000/-	₹ 2,00,000.00	
131	(T) Tura	Ammunition	400000/-	₹ 4,00,000.00	
132	(T) Williamnagar	<b>East &amp; North Garo Hills, (T) Division, Williamnagar</b> Construction of Chain linked fencing (Sinsangre, Darugre, Dainadubi, Kharkutta, Adokgre)	1000 Rmt @4,500	₹ 45,00,000	Detailed Estimate & KML enclosed as Annexure 132



133	(T) Williamnagar	Construction of RCC Boundary Pillars (Simsanggre, Darugre, Dainadubi, Kharkutta, Songsak, Adokgre)	200 Nos. @11,000	₹ 22,00,000	Detailed Estimate & KML enclosed as Annexure 133
134	(T) Williamnagar	Procurement of Pump Action Rifle	20 Nos. @1,08,840	₹ 21,76,800	Detailed Estimate enclosed as Annexure 134
135	(T) Williamnagar	Procurement of Pistol	8 Nos. @1,38,760	₹ 11,10,080	
136	(T) Baghmara	<b>South Garo Hills, (SF&amp;T) Division, Baghmara</b> Electricity Service Connection for two forest check gates 1. Check gate at Gasapara.	1S @116300/-	₹ 1,16,300.00	Detailed Estimate enclosed as Annexure 136
137	(T) Baghmara	Electricity Service Connection for two forest check gates 2. Check gate at Mandal Gitok, Siju	1 No @88,548	₹ 88,500.00	Detailed Estimate enclosed as Annexure 137
138	(T) Baghmara	Inflatable speed boats for for 8-10 persons capacity with 10 nos. of lifejackets	1 No @ 800000/-	₹ 8,00,000.00	Quotation enclosed as Annexure 138
139	(T) Baghmara	Camping tents for frontline staffs (2-3 persons capacity)	15 No @6000/-	₹ 90,000.00	Quotation enclosed as Annexure 139
140	(T) Baghmara	Search light for frontline staffs	50 @3000/ no.	₹ 1,50,000.00	Quotation enclosed as Annexure 140
141	(T) Baghmara	GPS handheld Angratoli Beat Southern Range, Baghmara	10 No. @30,000/-	₹ 3,00,000.00	Detailed Estimate enclosed as Annexure 141
142	KHADC, Shillong	<b>Khasi Hills, KHADC, Shillong</b> Equipment for Frontline Staff engaged in Forest Protection	-	₹ 5,00,000.00	Detailed Estimate enclosed as Annexure 142
143	Silviculture	<b>East Khasi Hills, (Silviculture) Division, Shillong</b> Making of chain link fencing with toe wall, angle iron post and chain link at Rongrenggiri Silviculture Campus, East Garo Hills to prevent encroachment and protection of Forest Land. Running meters-700 m @4500.00 per running meter	700 m	₹ 31,50,000.00	Detailed Estimate enclosed as Annexure 143
<b>Grand Total</b>				<b>₹ 3,85,98,880</b>	

iv)					
Soil and Water Conservation works in Forest, Rule 5(2)(g)					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
144	(WL) Tura	East & West Garo Hills, (WL) Division, Tura Construction of Water Conservation Check dam 1. Rengsangre N25°32'47.46" & E90°17'36.08" 2. Baladinggre N25°30'21.57" & E90°17'59.13" 3. Dumitkgre N25°36'08.76" & E90°10'23.53" 4. Nabokgre N25°27'38.95"E&E90°32'14.54" 5. Sobokgre N25°27'11.10"E&E90°33'12.88" 6. Mongalgre CRF N25°39'56.81&E90°11'17.13" 7. Chibonggre N 25°69'58.58 E 90°18'78 21"	7 Nos. @ ₹3,00,000/-	₹ 21,00,000.00	Detailed Estimate & KML enclosed as Annexure 144
145	(WL) Tura	Construction of spring chamber 1. Chimanpara CRF N 25°17'42" E 090°07'17" 2. Tokpara CRF N 25°16'32" E 090°06'23" 3. Jolgaon N 25°29'44" E 090°53'51"	2 Nos. @ ₹4,00,000/-	₹ 8,00,000.00	Detailed Estimate & KML enclosed as Annexure 145
146	BNP, Baghmara	BNP Division, Baghmara i). Construction of Water Conservation Check Dams and plantation of trees around the check dam a) Chandrasuk: 25°17'25.65"N 90°41'26.15"E b) Rantangre: 25°11.532"N 90°53.797" c) E Kanai Bisik: 25°15.380"E090°51.380" d) Gongrot: 25°15'58.37"N 90°43'51.68"E	2 Nos @ ₹3,00,000/-	₹ 6,00,000.00	Detailed Estimate enclosed as Annexure 146
147	(T) Tura	<b>West &amp; South West Garo Hills, (T) Division, Tura</b> Check Dam at Tura Peak	1 Nos @ 815000/-	₹ 8,15,000.00	Detailed Estimate & KML enclosed as Annexure 147
148	(T) Baghmara	<b>South Garo Hills, (SF&amp;T) Division, Baghmara</b> (1) Construction of check dam Baghmara RF (Rangasora)	1 No @6,07,675/-	₹ 6,07,675.00	Detailed Estimate & KML enclosed as Annexure 148
149	(T) Baghmara	Angratoli RF (Rakhipara)	1 No @6,07,675/-	₹ 6,07,675.00	Detailed Estimate & KML enclosed as Annexure 149
150	(T) Baghmara	Angratoli RF (Telekali)	1 No @6,07,675/-	₹ 6,07,675.00	Detailed Estimate & KML enclosed as Annexure 150
151	(T) Baghmara	Angratoli RF (Khondok)	1 No @6,07,675/-	₹ 6,07,675.00	Detailed Estimate & KML enclosed as Annexure 151
152	(T) Baghmara	(2) Construction of spring chambers	1 No @9,98,900/-	₹ 9,98,900.00	Detailed Estimate & KML enclosed as Annexure 152
153	(T) Baghmara	(3) Construction of rainwater harvesting including storage tank and distribution for front line staffs at Angratoli Beat office complex and Baghmara Forest Complex	1 No @15,66,100/-	₹ 15,66,100.00	Detailed Estimate & KML enclosed as Annexure 153
154	(T) Baghmara		1 No @15,66,100/-	₹ 15,66,100.00	Detailed Estimate & KML enclosed as Annexure 154
155	(SF&T) Nongstoin	<b>West &amp; South West Khasi Hills, (SF&amp;T) Division, Nongstoin</b> Plantation of Catchment Area of Nondein River 2 <sup>nd</sup> Year Maintenance of 30 Beds Nursery	30 Beds	₹ 17,760.00	Detailed Estimate enclosed as Annexure 155
156	(SF&T) Nongstoin	Creation and 1 <sup>st</sup> Year Maintenance of 27 Ha. Plantation	27 Ha.	₹ 8,09,190.00	Detailed Estimate, Map & KML enclosed as Annexure 156
157	(SF&T) Nongstoin	2 <sup>nd</sup> Year Maintenance of 4 Beds Nursery	4 Beds	₹ 2,368.00	Detailed Estimate & KML enclosed as Annexure 157
158	(SF&T) Nongstoin	Creation and 1 <sup>st</sup> Year Maintenance of 2.76 Ha. Plantation	2.76 Ha.	₹ 82,717.20	Detailed Estimate, NOC & KML enclosed as Annexure 158
159	(SF&T) Nongstoin	Construction of Check dam at Nongumiang Reserve Forest	2 nos @ 200000/-	₹ 4,00,000.00	Detailed Estimate enclosed as Annexure 159

<b>East Khasi Hills, (SF) Division, Shillong</b>					
160	(SF) Shillong	2 <sup>nd</sup> Year of 7.5 Beds Poly Pot Nursery as per roadside Plantation norms under CAMPA during 2021-22 for plantation along the river Wahumkrah as per directions by Hon'ble NGT under Shillong Urban Beat	7.5 Beds	₹ 6,798.75	Detailed Estimate & KML enclosed as Annexure 160-161
161	(SF) Shillong	2 <sup>nd</sup> Year Maintenance of 3.6 Km Roadside Plantation along the river Wahumkrah under Shillong Urban Beat	3.6 Km	₹ 5,32,800.00	
162	(SF) Shillong	2 <sup>nd</sup> Year maintenance of 146 beds poly pot nurseries created during the year 2020-21 for creation of 65 Ha plantation in the year 2022-23 in Catchment Area of Umiew river as a follow up action on the recommendation of the expert committee in PII. no.10 of 2018 of its own motion vrs State of Meghalaya. 1. 4 1/2mile nursery, upper shillong under Myllem Range 23 beds 2. Sohiwai nursery 67 beds under Mawkynrew Range 3. Ngam-U-Lah forest nursery 56 beds under Sohra Range.	146 Beds	₹ 1,32,349.00	Detailed Estimate & KML enclosed as Annexure 162
163	(SF) Shillong	Preliminary work for Creation of 65 Ha. Plantation in Catchment Area of Umiew River as a follow up action on the recommendation of the expert committee in PII. NO. 10 of 2018 Court of its own Motion Vrs State of Meghalaya i. Lumpdeng Laitkroh, Sohra Range-25 Ha ii. Nongkynrih Umiew, Mawkynrew Range- 30 Ha iii. Laitkroh, Myllem Range- 10 Ha	65 Ha.	₹ 27,17,650.00	Detailed Estimate, NOC & KML enclosed as Annexure-163
164	(SF) Shillong	Creation of 163 Beds Poly Pot Nursery for raising 65 Ha Plantation	163 Beds	₹ 18,45,486.00	Detailed Estimate & KML enclosed as Annexure-164
165	(SF) Shillong	i. Creation of 654 beds Polypot nursery for raising of 261.5 Ha plantation as per State Norm Creation of 125 beds Polypot nursery for creation of 50 Ha plantation at Weiloi Forest Nursery, Lawbah under Mawsynram range	654 beds	₹ 74,04,588.00	Detailed Estimate & KML enclosed as Annexure 165-170
166	(SF) Shillong	ii. Creation of 91 beds Polypot nursery for creation of 36.5 Ha plantation at MCCL Ngam-U-Lah Forest Nursery under Sohra Range.			
167	(SF) Shillong	iii. Creation of 200 beds Polypot Nursery for 80 Ha plantation at Upper Shillong nursery under Myllem Range			
168	(SF) Shillong	iv. Creation of 37.5 beds polypot nursery for creation of 15 Ha plantation at Upper Shillong Nursery under Myllem range			
169	(SF) Shillong	v. Creation of 25 beds polypot nursery for 10 Ha plantation at Mawkajem under Mawkynrew Range			
170	(SF) Shillong	vi. Creation of 175 beds polypot nursery for creation of 70 Ha plantation at Syntong Village under Mawkynrew Range			
171	(SF) Shillong	Preliminary Works for Creation of 261.5 ha Plantation i. Lawbah Village under Mawsynram Range, 50 Ha plantation	261.5 ha	₹ 1,09,33,315.00	Detailed Estimate, NOC & KML enclosed as Annexure 171-175
172	(SF) Shillong	ii. (a) Lumsohliya Mawbrh Village under Sohra Range 10 Ha (b) Catchment area plantation of Umiew-Umtynngnar Laitkroh Village under Sohra Range 26.5 Ha			
173	(SF) Shillong	iii. (a) Wahlang village under Myllem Range 80 Ha (b) New Kyrdekha Community land under Myllem range 15 Ha			
174	(SF) Shillong	iv. Mawkajem under Pynursla Range 10 Ha			
175	(SF) Shillong	v. Syntong village under Mawkynrew Range 70 Ha			
176	(SF) Jowai	Jaintia Hills, (SF) Division, Jowai RIVER 2 <sup>nd</sup> Year Maintenance of 6 beds Poly Pot Nursery	6 Beds	₹ 3,552.00	Detailed Estimate & KML enclosed as Annexure 176

177	(SF) Jowai	Creation and 1 <sup>st</sup> year Maintenance of 2.32 Ha. Plantation	2.32 Ha.	₹ 69,530.40	Detailed Estimate & KML enclosed as Annexure 177
178	(SF) Jowai	2 <sup>nd</sup> Year Maintenance of 23 beds Nursery	23 Beds	₹ 13,616.00	Detailed Estimate & KML enclosed as Annexure 178
179	(SF) Jowai	Creation and 1 <sup>st</sup> year Maintenance of 10 Ha. Plantation	10 Ha.	₹ 2,99,700.00	Detailed Estimate & KML enclosed as Annexure 179
180	(SF) Jowai	<b>KYRHUH KHLA RIVER</b> 2 <sup>nd</sup> Year Maintenance of 9 beds Poly Pot Nursery	9 Beds	₹ 5,328.00	Detailed Estimate & KML enclosed as Annexure 180
181	(SF) Jowai	Creation and 1 <sup>st</sup> year Maintenance of 3.50 Ha. Plantation	3.50 Ha.	₹ 1,04,895.00	Detailed Estimate & KML enclosed as Annexure 181
182	(SF) Nongpoh	<b>North Khasi Hills, (SF) Division, Nongpoh</b> 2 <sup>nd</sup> Year maintenance of 6 Beds Nursery for Strip Plantation along the river bank Umtrew	6 Beds	₹ 3,552.00	Detailed Estimate enclosed as Annexure 182-183
183	(SF) Nongpoh	Creation and 1 <sup>st</sup> Year Maintenance for creation of 3 Ha. Strip plantation along Umtrew river	3 Ha.	₹ 89,910.00	
184	(SF) Williamnagar	East Garo Hills, (SF) Division, Williamnagar 3rd Year Maintenance of 25 Ha. Plantation (2014-15) i) Samanda Rongkem = 5 Ha ii) Koksi Nengsat = 5 Ha iii) Rem Songitcham = 4 Ha iv) Chigrangre = 5 Ha v) Mrikwari = 6 Ha	25 Ha.	₹ 5,36,500.00	Detailed Estimate & KML enclosed as Annexure 184
185	(SF) Williamnagar	2th Year Maintenance of 20 Ha. Plantation (2015-16) i) Samanda Rongkem = 5 Ha ii) Koksi Nengsat = 5 Ha iii) Rem Songitcham = 5 Ha iv) Mrikwari = 5 Ha	20 Ha.	₹ 5,10,600.00	Detailed Estimate & KML enclosed as Annexure 185
186	(SF) Williamnagar	1st Year creation and Maintenance of 20 Ha. Plantation (2016-17) i) Samanda Rongkem = 5 Ha ii) Koksi Nengsat = 5 Ha iii) Rem Songitcham = 5 Ha iv) Mrikwari = 5 Ha	20 Ha.	₹ 5,99,400.00	Detailed Estimate & KML enclosed as Annexure 186
187	(SF) Tura	<b>West Garo Hills, (SF) Division, Tura</b> 2nd Year maintenance of 300 beds Polypot nursery	300 Beds	₹ 2,71,950.00	Detailed Estimate enclosed as Annexure 187
188	(SF) Tura	1st year creation and maintenance of 120 Ha Plantation (2021-22) i) Sosotpara = 20 Ha ii) Dumitikgre = 20 Ha iii) ChondouNokat = 20 Ha iv) Anogre = 20 Ha v) Merengpara = 20 Ha vi) Silsekgre = 20 Ha	120 Ha	₹ 35,96,400.00	Detailed Estimate enclosed as Annexure 188
189	GHADC, Tura	<b>Garo Hills, GHADC, Tura</b> Construction of Check Dam at Strategic places	2 nos. @1061000/-	₹ 21,22,000.00	Detailed Estimate enclosed as Annexure 189
<b>Total</b>				<b>₹ 4,39,88,755</b>	

v) Improvement of wildlife habitat, Rule 5(2)(i)					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
190	(WL) Shillong	<b>Khasi Hills, (WL) Division, Shillong</b> Making of signage, signboard, hoardings, etc			
		1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81"	5 Nos. @ ₹50,000/-	₹ 2,50,000.00	Detailed Estimate & KML enclosed as Annexure 190
		2. Lumjusong CR N 25°53'31.0" E 92°02'28.6"			
		3. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37"			
		4. Nongsangu CR N 25°52'23.60" E 92°03'47.70"			
		5. Jirang CR N 25°56'51.2" E 91°33'42.1"			
6. Protection Range, Shillong	5 Nos. @ ₹50,000/-	₹ 2,50,000.00			
191	(WL) Shillong	Making & fixing of signboard & signages			
		1. Miewsyiar N 25°543 E 91°05.199	20 Nos. @ ₹20,000/-	₹ 4,00,000.00	Detailed Estimate KML enclosed as Annexure 191
		2. Kpoh Eijah CR N 25°28.164 E 91°25.269			
		3. Ryngibah CR 25° 24'14.33"N & 091° 56'56.33"E	3 Nos. @ ₹20,000/-	₹ 60,000.00	
4. Nongrai Village 25° 12'35.76"N & 091° 36'15.19"E	3 Nos. @ ₹20,000/-	₹ 60,000.00			
192	(WL) Shillong	Plantation of indigenous species @ 1 Ha each			
		1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81"	5 Ha @ ₹12,332/-	₹ 62,000.00	Detailed Estimate & KML enclosed as Annexure 192
		2. Lumjusong CR N 25°53'31.0" E 92°02'28.6"			
		3. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37"			
		4. Nongsangu CR N 25°52'23.60" E 92°03'47.70"			
		5. Jirang CR N 25°56'51.2" E 91°33'42.1"			
193	(WL) Shillong	Habitat manipulation by way of planting of tapioca plants to increase food for wildlife dependent on tapioca roots and leaves @ 40/-cutting & @ 10/-plants (2 times weeding)			
		1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81"	5000 Plants @ ₹50/-	₹ 2,50,000.00	Detailed Estimate & KML enclosed as Annexure 193
		2. Lumjusong CR N 25°53'31.0" E 92°02'28.6"	3000 Plants @ ₹50/-	₹ 1,50,000.00	
		3. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37"	3000 Plants @ ₹50/-	₹ 1,50,000.00	
		4. Nongsangu CR N 25°52'23.60" E 92°03'47.70"	3000 Plants @ ₹50/-	₹ 1,50,000.00	
		5. Jirang CR N 25°56'51.2" E 91°33'42.1"	3000 Plants @ ₹50/-	₹ 1,50,000.00	
		6. Nongkhylliem Wildlife Sanctuary	6000 Plants @ ₹50/-	₹ 3,00,000.00	
194	(WL) Shillong	Habitat manipulation by way of planting fruit bearing trees in open spaces within the CR including cost of saplings carriage upto site loading unloading planting etc.. @135/-plants & @ 15/-plants (3 times weeding)			
		1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81"	5000 Plants @ ₹150/-	₹ 7,50,000.00	Detailed Estimate & KML enclosed as Annexure 194
		2. Lumjusong CR N 25°53'31.0" E 92°02'28.6"	3000 Plants @ ₹150/-	₹ 4,50,000.00	
		3. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37"	3000 Plants @ ₹150/-	₹ 4,50,000.00	
		4. Nongsangu CR N 25°52'23.60" E 92°03'47.70"	3000 Plants @ ₹150/-	₹ 4,50,000.00	
		5. Jirang CR N 25°56'51.2" E 91°33'42.1"	3000 Plants @ ₹150/-	₹ 4,50,000.00	
195	(WL) Shillong	Weeding: Ryngibah CR 25°24'22.81"N 091° 57'06.54"E	10 Ha @ ₹2000/-	₹ 20,000.00	Detailed Estimate & KML enclosed as Annexure 195
196	(WL) Shillong	Construction of Salt licks: 1. Miewsyiar CR N 25°55.199 E 91°05.344 2. Kpoh Eijah CR N 25°28.123 E 91°24.925	10 Nos. @ ₹10,000/-	₹ 1,00,000.00	Detailed Estimate & KML enclosed as Annexure 196



197	(WL) Shillong	Construction of check dam: Miewsyiar CR N25°77'279" E091°15'668"	1 No.	₹ 3,00,000.00	Detailed Estimate & KML enclosed as Annexure 197
198	(WL) Shillong	Maintenance of check dam: Kpoh Eijah CR N25°28'105"	1 No.	₹ 1,50,000.00	Detailed Estimate & KML enclosed as Annexure 198
		Maintenance of existing check dam: Miewsyiar CR N25°77'279" E091°15'668"	1 No.	₹ 2,50,000.00	
199	(WL) Shillong	Construction of small check dam 1.Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81" 2.Lumjusong CR N 25°53'31.0" E 92°02'28.6" 3.Raid Nongbri CR N 25°54'35.40" E 92°00'51.37" 4.Nongsangu CR N 25°52'23.60" E 92°03'47.70" 5.Jirang CR N 25°56'51.2" E 91°33'42.1"	5 Nos. @ ₹1,50,000/-	₹ 7,50,000.00	Detailed Estimate & KML enclosed as Annexure 199
200	(WL) Shillong	Providing fingerlings 1. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81" 2. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37" 3. Nongsangu CR N 25°52'23.60" E 92°03'47.70" 4. Jirang CR N 25°56'51.2" E 91°33'42.1"	4 Units @ ₹4000/-	₹ 16,000.00	Detailed Estimate & KML enclosed as Annexure 200
201	(WL) Shillong	Maintenance of deer enclosure by way of painting (Lum Nebru Park, Umiam) N25°35'36.2" E91°53'48.1"	1 No. @ LS	₹ 80,000.00	Detailed Estimate & KML enclosed as Annexure 201
202	(WL) Tura	East & West Garo Hills, (WL) Division, Tura Making of signage, signboard, hoarding maps etc. for 8 (eight) Community Reserve. Rs. 50000/- each for eight CRF Selbalgre CRF - 25°34'55.24"N & 90°17'8.74"E Chandigre CRF - 25°31'42.00" N & 90° 18'19.5" E Sasatgre CRF - 25°31'59.9"N & 90° 19" 52.6" E Mandalgre CRF - 25°28'51.10"N & 90°21'54.46"E Daribokgre CRF - 25°28'32.74" N& 90°18'51.21"E Sakalgre CRF - 25°29'52.60"N & 90°17'30.56"E Dumitdikgre CRF -25°30'43.01"N & 90°17'59.89"E Baladinggre CRF - 25°30'43.01" N & 90°17'59.89"E	8 Nos. @ ₹50,000/-	₹ 4,00,000.00	Detailed Estimate & KML enclosed as Annexure 202
203	(WL) Tura	Installation of 2 nos. each Solar Street lights in 8 Community Forest Reserves. Selbalgre CRF - 25°34'55.24"N & 90°17'8.74"E Chandigre CRF - 25°31'42.00" N & 90° 18'19.5" E Sasatgre CRF - 25°31'59.9"N & 90° 19" 52.6" E Mandalgre CRF - 25°28'51.10"N & 90°21'54.46"E Daribokgre CRF - 25°28'32.74" N& 90°18'51.21"E Sakalgre CRF - 25°29'52.60"N & 90°17'30.56"E Dumitdikgre CRF -25°30'43.01"N & 90°17'59.89"E Baladinggre CRF - 25°30'43.01" N & 90°17'59.89"E Mikkadogre - 25°23'16.6" N & 90°18'40.4"E Dankipara - 25°23'57.7" N & 90°15'31.26"E Mongalgre - 25°39'56.81" N & 90°11'17.13"E Bandarigre - 25°23'18.6" N & 90°19'26.2"E Eman Asakgre - 25°20'22.1" N & 90°30'40.2"E Resu Haluapara - 25°55'25.23" N & 90°35'52.91"E Arvakgre - 25°48'38.50" N & 90°24'07.65"E Kitmadamgre - 25°48'26.51" N & 90°23'35.98" Tokpara - N 25°16'30.93" E 090°6'19.73"	34 Nos. @ ₹30,000/-	₹ 10,20,000.00	Detailed Estimate & KML enclosed as Annexure 203
204	(WL) Tura	Check dam in the Elephant Corridor to Supply ample drinking water during lean period. 1. Sasatgre N25°31'0.68" & E90°19'31.57" 2. Mandalgre N25°31'2.44" & E90°22'5.59" 3. Arvakgre N 25°48'38.50" E 90°24'07.65" 4. Kitmadamgre N 25°48'26.51" E 90°23'35.98" 5. Belabor N 25°17'38" E 90°05'31" 6. Kotchu A'dok N 25°18'30" E 90°06'01" 7. Romgre N 25°43'50.80" E 090°03'38.70" 8. Dangkipara fish sanctuary-N 25°23'57.7" E 90°15'31.26"	8 Nos. @ ₹3,00,000/-	₹ 24,00,000.00	Detailed Estimate enclosed as Annexure 144 KML enclosed as Annexure 204

205	(WL) Tura	Construction of artificial water holes Selbalgre CRF 25°34'27.2" & E90°17'20.2" Sakalgre CRF N25°29'38.7" & E90°17'31.9" Daribokgre CRFN25°28'32.80" & E90°18'54.70" Kitmadamgre N 25°48'26.51" E 90°23'35.98 " Sobokgre N 25°27'48.03" & E 90°31'14.14" Mongalgre CRF 1. N 25°39'56.81" E 090°11'17.13" 2. N 25°65'32.67" E 090°19'44.01".	7 Nos. @ ₹1,50,000/-	₹ 10,50,000.00	Detailed Estimate & KML enclosed as Annexure 205
206	(WL) Tura	Creation of Salt lick 1. Resu Hahuapara N 25°55'25.23" E 90°35'52.91" 2. Kitmadamgre N 25°48'26.51" E 90°23'35.98" 3. Aruakgre N 25°48'38.50" E 90°24'07.65" 4. Mongalgre CRF N 25°39'56.81" E 090°11'17.13" 5. Rongalgre CRF N 25°28'00" E 090°12'07" 6. Chimanpara CRF N 25°17'42" E 090°07'17" 7. Tokpara CRF N 25°16'32" E 090°06'23"	7 Nos. @ ₹10,000/-	₹ 70,000.00	Detailed Estimate & KML enclosed as Annexure 206
207	(WL) Jowai	<b>Jointia Hills, (WL) Division, Jowai</b> Extention of Check dam at tpep inside Sein Raji Tuber Community Reserve N 25° 26' 10.40" E 92°17' 36.60"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 207
208	(WL) Jowai	Check Dam 8m(L) X 2m (h) X 0.8m inside Khloo Thangbru Khloo Khyllern Shireh Mutong Community Reserve N 250 21' 57.90" E 920 14' 34.50"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 208
209	(WL) Jowai	Construction of Check Dam at Crematorium 22m (L)X 1.6m (H) X 1m (B) insideKhloo Thangbru Umsymphu Community Reserve N 25° 23' 20.40" E 92° 15' 18.01"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 209
210	(WL) Jowai	Construction Check Dam at Lumlakba 13m (L)X 1.3m (H) X 0.8m (B) insideKhloo Thangbru Umsymphu Community Reserve N 25° 23' 20.40" E 92° 15' 18.01"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 210
211	(WL) Jowai	Construction of Check Dam at Lumpyrdi 7m (L)X 1.3m (H) X 0.7m (B) insideKhloo Thangbru Umsymphu Community Reserve N 25° 23' 20.40" E 92° 15' 18.01"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 211
212	(WL) Jowai	Construction of Check Dam at Wah Umngam 55mX5mx1m under Krem Labit Umkyrpong Community Reserve N 250 25' 54.50" E 92° 36' 12.44"	1 Nos @ ₹1,30,000/-	₹ 1,30,000.00	Detailed Estimate & KML enclosed as Annexure 212
213	(WL) Jowai	Fencing of tpep at Khloo Blai Sein Raji Tuber Khloo Blai Community Reserveusing Chisel Stone 10m X 10m N 25° 26' 10.40" E 92°17' 36.60"	100 Sqm @ ₹4,50,000/-	₹ 4,50,000.00	Detailed Estimate & KML enclosed as Annexure 213
214	(WL) Jowai	Fencing of Mootyleift at Khloo Blai Sein Raji Tuber Khloo Blai Community Reserve using Chisel Stone. 20m X 5m N 25° 26' 10.40" E 92°17' 36.60"	100 Sqm @ ₹4,50,000/-	₹ 4,50,000.00	Detailed Estimate & KML enclosed as Annexure 214
215	(WL) Jowai	Wall Fencing of Ritual Site No. 1 at Khloo Blai Sein Raji Kongwasan Chyrmang Community Reserve N 25° 26'04.40" E 92° 16'50.12"	4.5 Running Meter @ ₹2000/-	₹ 9,000.00	Detailed Estimate & KML enclosed as Annexure 215
216	(WL) Jowai	Wall Fencing of Ritual Site No. 2 at Khloo Blai Sein Raji Kongwasan Chyrmang Community Reserve N 25° 26'04.40" E 92° 16'50.12"	12 Running Meter @ ₹2000/-	₹ 24,000.00	Detailed Estimate & KML enclosed as Annexure 216
217	(WL) Jowai	Compound Fencing No. 1 at Khloo Langdoh Kur Pyrtuh Community Reserve N 25° 27' 08.41" E 92° 08' 16.03"	30 Running Meter @ ₹2000/-	₹ 60,000.00	Detailed Estimate & KML enclosed as Annexure 217
218	(WL) Jowai	Compound Fencing No. 2 at Khloo Langdoh Kur Pyrtuh Community Reserve N 25° 27' 08.41" E 92° 08' 16.03"	2.52 Running Meter @ ₹2000/-	₹ 5,040.00	Detailed Estimate & KML enclosed as Annexure 218

219	(WL) Jowai	Compound Fencing No. 3 at Khloo Langdoh Kur Pyrtuh Community Reserve N 25° 27' 08.41" E 92° 08' 16.03"	15 Running Meter @ ₹2000/-	₹ 30,000.00	Detailed Estimate & KML enclosed as Annexure 219
220	(WL) Jowai	Wall Fencing around the Watch tower at Khloo Langdoh Kur Pyrtuh Community Reserve N 25° 27' 08.41" E 92° 08' 16.03"	5.5 Sqm @ ₹2000/-	₹ 44,000.00	Detailed Estimate & KML enclosed as Annexure 220
221	(WL) Jowai	Wall Fencing at Ka Khloo Blai Ka Rajj U Langdoh Jonglang Community Reserve N 25°30'09.06" E 92° 28'11.40"	100 Running Meter @ ₹2000/-	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 221
222	(WL) Jowai	2nd Year maintenance of plantation at Ka Khloo Blai Ka Rajj U Langdoh Jonglang Community Reserve N 25°30'09.06" E 92° 28'11.40"	0.814 Ha	₹ 20,781.42	Detailed Estimate & KML enclosed as Annexure 222
223	(WL) Jowai	2nd Year maintenance of plantation at Ka Wah Umpathoo Mustem Community Reserve N 25° 23'12.21" E92°11'10.09"	1 Ha	₹ 25,530.00	Detailed Estimate & KML enclosed as Annexure 223
224	BNP, Baghmara	<b>BNP Division, Baghmara</b> <b>IMPROVEMENT OF WILDLIFE HABITAT</b> i) Rejuvenation of waterholes a) Pinda A'sim : 25°14'21.25"090°51'84.95" b) A'gimpal dara: 25°18'43.33"090°43'54.71" c) Kunchong Nachi Chiring: 25°15'10.4"090°47'58.7"	2 Nos @ ₹3,00,000/-	₹ 6,00,000.00	Detailed Estimate enclosed as Annexure 224
225	BNP, Baghmara	i) Removal of invasive species like lantana, eupatorium spp, micania, climbers etc. in elephant corridors and grazing areas at Baghmara RF – BNP Corridor, Siju – Rewak Corridor, Rewak- Emanggre RF- Corridor, BNP Area a) D. Jongkol: 25°13'28"090°45'08" b) Rewak : 25°17'26.8" 090°40'13.7" c) Emanggre: 25°17'24.1" 090°40'33.9" d) R/ Chiring (BNP): 25°12'34.04"090°51'32.1" e) Rongrengpul: 25°15'43.7"090°41'30.5"	@ ₹10,000/-	₹ 7,50,000.00	Detailed Estimate & KML enclosed as Annexure 225
226	BNP, Baghmara	i) Plantation of elephant fodder species at Elephant Corridors and habitats including 1st year maintenance a) Rewak- Emangiri corridor: 25°21'28.75" E090°34'18.80" b) Baghmara RF -BNP corridor: 25°12'26.04" E090°39'38.20"	@ ₹25,000/-	₹ 18,75,000.00	Detailed Estimate & KML enclosed as Annexure 226
227	BNP, Baghmara	i) Construction of elephant waterhole (RCC Bowl Type) a) Siju-Rewak Elephant corridor: 25°17'26.8" 090°40'13.7"	1 Nos @ ₹5,00,000/-	₹ 5,00,000.00	Detailed Estimate & KML enclosed as Annexure 227
228	BNP, Baghmara	i) Supply of endemic species for villages living in Elephant corridor including cost of planting. a) Siju-Rewak Elephant corridor: 25°17'26.8" 090°40'13.7" b) Karwani (Baghmara RF): 25°12'47.32"25°12'47.32"	10000 Nos @ ₹50/-	₹ 5,00,000.00	Detailed Estimate & KML enclosed as Annexure 228
229	BNP, Baghmara	i) Planting of pitcher plants inside the sanctuary by a) Baghmara Pitcher Plant Sanctuary	2.742 Ha. @ LS	₹ 1,00,000.00	Detailed Estimate enclosed as Annexure 229
		<b>Development, improvement, consolidation and protection of Notified Community Reserve under Balpakram National Park</b> <b>IMPROVEMENT OF COMMUNITY RESERVES</b>			
	BNP, Baghmara	V) Scientific Management like documentation, etc [1)Gokagre : 2) Hulwu Ambeng : 3) Upper Dosegre : 4) Jaksongram : 5) Aritakgre :6) Karukol :7) Siju Duramong-18) Siju Duramong-II: 9) Rongcheng: 10) Taidang 11) Dalonggitin: 12)Dambuk Ationg: 13) Lotnagar: 14)Chengni: 15)Chimotag: 16) Matcharampat: 17)Balasi A'ding: 18) Teptepa 19) Rantangsora 20) Jaksongram]	20 CR @ ₹30,000/-	₹ 6,00,000.00	Detailed Estimate enclosed as Annexure 230 (a )

230		<p>iii) Community Fishery Pond            [1)Gokagre : 2) Halwa Ambeng : 3) Upper Dosogre : 4) Jaksongram            :            5) Aritakgre :6) Karukol :7) Siju Duramong-18) Siju Duramong-II:            9) Rongcheng: 10) Taidang 11) Dalenggitim: 12)Dambuk Attong:            13) Lotnagar: 14)Chengni: 15)Chimitap: 16) Matcharampat:            17)Balsri A'ding: 18) Teptepa 19) Rantangsora 20) Jaksongram]</p>	10Nos @ ₹1,00,000/-	₹ 10,00,000.00	Detailed Estimate enclosed as Annexure 230 (b )
		<p>Portable water supply to CR            [1)Gokagre : 2) Halwa Ambeng : 3) Upper Dosogre : 4) Jaksongram            :            5) Aritakgre :6) Karukol :7) Siju Duramong-18) Siju Duramong-II:            9) Rongcheng: 10) Taidang 11) Dalenggitim: 12)Dambuk Attong:            13) Lotnagar: 14)Chengni: 15)Chimitap: 16) Matcharampat:            17)Balsri A'ding: 18) Teptepa 19) Rantangsora 20) Jaksongram]</p>	10 Nos @ ₹3,00,000/-	₹ 30,00,000.00	Detailed Estimate enclosed as Annexure 230 (c )
231	BNP, Baghmara	<p>i) Construction of Elephant House at Sanbana Elephant camp            a) Sanbana: N 25°11.003''E090°50.277''</p>	1 No.	₹ 7,15,000.00	Detailed Estimate enclosed as Annexure 231
232	BNP, Baghmara	<p>i) Revival of natural saltlicks/waterholes            a) Panda- N25°10'38.0" E090°41.0'01"            b) Pilot Project- N25°10'35.0" E090°341'1.0"            c) Dabat Asim- N25°20'19.91"E090°41'27.23"            d) Goerapatal Lake- N25°19'41.04" E090°38'59.08"            e) Maraka Wari- N 25°12'945" E 090°50.663"            f) Gobinpul A'sim, Hatisia- 25°13. 505'N 090°51.097'E            g) Ariteka - N25°19'32.3" E090°40'30.7"            h) Inolgre(Chimitap)- N25°12'05.9"E090°46'31.6"            i) Chambil salt lick- 25° 11.745" 090° 50.534" E            j) Tebil A'sim- 25° 10,44,59" 090° 50,31,86"</p>	5 Nos @ ₹10,000/-	₹ 50,000.00	Detailed Estimate & KML enclosed as Annexure 232
233	BNP, Baghmara	<p>i) Installation of signages            [1)Gokagre : 2) Halwa Ambeng : 3) Upper Dosogre : 4) Jaksongram            :            5) Aritakgre :6) Karukol :7) Siju Duramong-18) Siju Duramong-II:            9) Rongcheng: 10) Taidang 11) Dalenggitim: 12)Dambuk Attong:            13) Lotnagar: 14)Chengni: 15)Chimitap: 16) Matcharampat:            17)Balsri A'ding: 18) Teptepa 19) Rantangsora 20) Jaksongram]</p>	20 Nos @ ₹20,000/-	₹ 4,00,000.00	Detailed Estimate enclosed as Annexure 233
<b>Total</b>				<b>₹ 2,35,76,351.42</b>	

vi) Establishment, operation, and maintenance of animal rescue centre and veterinary treatment facilities for wild animals Rule 5(2)(k)					
Sl. No	Division	Particulars of Work	Quantity	Amount	Remarks
234	(WL) Tura	East & West Garo Hills, (WL) Division, Tura Construction of quarantine building for rescue animals: Wildlife Protection Range, Williamnagar N 25°31'05.24" & E 90°36'11.94"	1 No.	₹ 20,00,000.00	Detailed Estimate & KML enclosed as Annexure 234
235	(WL) Tura	Purchase of tools & equipments for animal rescue	LS	₹ 1,85,000.00	Detailed Estimate & KML enclosed as Annexure 235
<b>Total</b>				<b>₹ 21,85,000</b>	



vii) Biodiversity Conservation, Rule 5(2)(m)					
Sl. No.	Division	Particulars of Work	Quantity	Amount	Remarks
236	Forest Resources Survey, Shillong	<b>East Khasi Hills, (FRS) Division, Shillong</b> Inventorisation of Growing Stock of 5 nos. sacred groves under Khasi Hills & Jaintia Hills: Protected Forest of Mawteibah Village at Lyngkha U Jon (126.00 ha) Protected Forest of Khongsit Clan at Mawlaun Tyrsad, Mylliem Syiemship (195.07 ha) Protected Forest of Kur Myrthong at Umalangmar, Nongspung Syiemship (107.00 ha) Protected Forest of Mawlynnu at Mawksanwar of Raid Sawsynper (38.00 ha) Protected Forest of Mawlynnu at Rngi Weitloi (62.648 ha)	528.718 ha (for 5 sacred groves)	₹ 17,21,506.00	Detailed Estimate & KML enclosed as Annexure 236
237	Silviculture, Shillong	East Khasi Hills, Silviculture Division, Shillong Standardisation of nursery techniques/protocols of some of the threatened, endemic, rare and important tree species of the state (10 nos.: <i>Taxus wallichiana</i> , <i>Ilex khasiana</i> , <i>GymNOCladus assamica</i> , <i>Gmelina arborea</i> , <i>Cephalotaxus manii</i> , <i>Exhucklandia populnea</i> , <i>Podocarpus nerifolius</i> , <i>Magnolia insignis</i> , <i>Magnolia lanuginosa</i> , <i>Magnolia pundauna</i> )		₹ 10,00,000.00	Detailed Estimate enclosed as Annexure 237
238	Silviculture, Shillong	Establishment of modern permanent nursery (Hi-Tech Nursery) and quality planting stock facilities by constructing Shade Net House, Mother bed Chamber, Mist Chamber, Vermi compost unit and irrigation facilities etc. at Rongrenggiri Silviculture Range, East Garo Hills		₹ 16,00,000.00	Detailed Estimate & KML enclosed as Annexure 238
239	Silviculture, Shillong	Restocking and collection of diverse bamboo species from different northeastern states of India to be introduced in the Bambusetum		₹ 5,00,000.00	Detailed Estimate enclosed as Annexure 239
240	Silviculture, Shillong	<b>Conservation of <i>Nymphaea tetragona</i> (Pygmy Water Lily)</b> i. 1 No. of pond at Umjapung, East Khasi Hills for further extension of the only natural habitat in the State of <i>Nymphaea tetragona</i> (Pygmy Water Lily)	1 no.	₹ 5,00,000.00	Detailed Estimate & KML enclosed as Annexure 240 (i)
		ii. Footpath for 200 m at Umjapung, Mawmuthoh, East Khasi Hills from approach road to conservation site of <i>Nymphaea tetragona</i> (Pygmy Water Lily)	200 m	₹ 6,00,000.00	Detailed Estimate & KML enclosed as Annexure 240 (ii)
		iii. 3 Nos. of small foot bridges to connect conservation site of <i>Nymphaea tetragona</i> (Pygmy Water Lily), at Umjapung, Mawmuthoh, East Khasi Hills from approach road	3 nos.	₹ 6,00,000.00	Detailed Estimate & KML enclosed as Annexure 240 (iii)
241	Silviculture, Shillong	Survey and documentation of threatened, rare and endemic plant species of the state		₹ 5,00,000.00	Detailed Estimate enclosed as Annexure 241
242	Silviculture, Shillong	Establishment of seed orchard for important species of Meghalaya (5 ha): 1. <i>Michelia champaca</i> (5 ha) 2. <i>Chukrasia tabularis</i> (5 ha) 3. <i>Gmelina arborea</i> (5 ha) 4. <i>Michelia champaca</i> (5 ha) a) 5th year maintenance	20 ha	₹ 2,26,380.00	Detailed Estimate & KML enclosed as Annexure 242

243	Silviculture, Shillong	Establishment of seed orchard for 5 important species of Meghalaya (5 ha): 1. <i>Tectona grandis</i> 2. <i>Gmelina arborea</i> 3. <i>Chalrasia tabularis</i> 4. <i>Toona ciliata</i> 5. <i>Michelia champaca</i>	5 ha	₹ 10,00,000.00	Detailed Estimate & KML enclosed as Annexure 243
244	Working Plan, Shillong	<b>East Khasi Hills, (WP) Division, Shillong</b> Preparation Forest Type, Crown Density and other land use maps for Reserve and Protected Forests of Khasi Hills, Jaintia Hills and Garo Hills by North Eastern Space Application Centre		₹ 29,72,300.00	Detailed Estimate enclosed as Annexure 244
245	Working Plan, Shillong	Preparation of Working Plan for Jaintia Hills		₹ 77,87,662.00	Detailed Estimate & KML enclosed as Annexure 245
<b>Total</b>				<b>₹ 1,90,07,848.00</b>	

2) Items of work under Rule 5(3) of CAF Rules, 2018

i) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting material, Rule 5(3)(a)					
Sl. No.	Division	Particulars of Work	Quantity	Amount	Remarks
246	(SF) Jowai	<u>Jaintia Hills, (SF) Division, Jowai</u> 2 <sup>nd</sup> Year Maintenance of 996 Beds Nursery	996 beds	₹ 5,89,632.00	Detailed Estimate & KML enclosed as Annexure 246
247	Silviculture	<u>East Khasi Hills, (Silviculture) Division, Shillong</u> Construction of 1 no. vermi-compost unit at Herbal Garden, Raj Bhavan		₹ 1,50,000.00	Detailed Estimate & KML enclosed as Annexure 247
248	Silviculture	Making of 1 no. RCC ring well at Umkhuti Hi-Tech Nursery	1 no.	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 248
249	Silviculture	Renovation and repairing of sprinkler drip irrigation at the Umsaw Range Office Nursery and Umkhuti Hi-Tech Nursery		₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 249
<b>Total</b>				<b>₹ 11,39,632.00</b>	

ii) Purchase and Maintenance of equipment or devices, Rule 5(3)(c)					
Sl. No.	Division	Particulars of Work	Quantity	Amount	Remarks
250	Silviculture	<u>East Khasi Hills, (Silviculture) Division, Shillong</u> Purchase of fire fighting clothes, tools and equipments for Silviculture Division		₹ 4,50,000.00	Detailed Estimate enclosed as Annexure 250
251	Working Plan	<u>East Khasi Hills, (WP) Division, Shillong</u> Two solar street lamps at Range Office	2 nos.	₹ 66,000.00	Detailed Estimate enclosed as Annexure 251
252	JHADC, Jowai	<u>Jaintia Hills, JHADC, Jowai</u> Procurement of 5 nos. Garmin GPS Map 78s	5 nos.	₹ 1,13,950.00	Detailed Estimate enclosed as Annexure 252
<b>Total</b>				<b>₹ 6,29,950.00</b>	

iii) & iv)					
Infrastructure for Frontline Staff engaged in Forest Protection, Rule 5(3)(d)&(e)					
Sl. No.	Division	Particulars of Work	Quantity	Amount	Remarks
253	(WL.) Tum	East & West Garo Hills, (WL) Division, Tura Major Renovation of Departmental building for front line staff 1. Forest Guard Quarter at Rongsak - No.10 N25°33'54.65" E90°26'16.41" 2. Forester guard quarter No.3 (2 units) N 25°43'17.05" E 090°11'56.42" 3. Forester quarter at Chokpot Range Office N 25°19'21.77" E 090°25'38.49" 4. Forest Guard at Wildlife Complex 25°31'07" N & 90°10'52"E. 5. Repairing of Range Office, Williamnagar N 25°31.106" & E 90°26,177"E. 6.Repairing of R.O quater at Wildlife Range Office, Williamnagar N 25°31'05.24" & E 90°36'11.94" 7. Renovation of Range Office at Nehru Park N 25°30'06" & E 90°10'06"	7 Nos. @ ₹3,00,000/-	₹ 21,00,000.00	Detailed Estimate & KML enclosed as Annexure 253
254	BNP, Baghmara	BNP Division, Baghmara i) Renovation of Old Dilapidated field staff Buildings a) Mahadeo- N 25°10.548"E090°52.795" b) Siju- N25°18'56.64"E090°40'03.19" c) Chimitap- 25°16'20.84"N 90°49'52.59"E d) Hatisia IB- N 25°10.549" E 090°52.806" e) Siju- 25°21'16.70"N 90°40'57.08"E f) Moheskola- N 25°11.296" E 090°58.238"	7 Nos @ ₹3,00,000/-	₹ 21,00,000.00	Detailed Estimate enclosed as Annexure 254
255	BNP, Baghmara	ii) Community Hall [1)Gokagre : 2) Halwa Ambeng : 3) Upper Dosogre : 4) Jaksongram : 5) Aritakgre :6) Karukol :7) Siju Duramong-18) Siju Duramong-II: 9) Rongcheng: 10) Taidang 11) Dalenggitim: 12)Dambuk Aitong: 13) Lotnagar: 14)Chengni: 15)Chimitap: 16) Matcharamput: 17)Balsri A'ding: 18) Teptepa 19) Rantangsora 20) Jaksongram]	2 Nos @ ₹10,00,000/-	₹ 20,00,000.00	Detailed Estimate enclosed as Annexure 255
256	(WL), Jowai	<b>Jaintia Hills, (WL) Division, Jowai</b> <b>UPGRADATION OF INFRASTRUCTURE AND PROVISION OF AMENITIES TO STAFF INVOLVED IN MANAGEMENT OF WILDLIFE AND THEIR HABITAT IN THE STATE</b> Construction of two unit residential quarters for front-line field staff at Raitacherra. N 25°02'10.4" E 92°26'22.8"	1 No @ ₹20,00,000/-	₹ 20,00,000.00	Detailed Estimate & KML enclosed as Annexure 256
257	(WL), Jowai	Construction of Septic Tank at Khaddum (6ft X 4 ft X 4ft) N25°09'01.58" E92°27'02.85"	1 No @ ₹70,000/-	₹ 70,000.00	Detailed Estimate & KML enclosed as Annexure 257
258	(WL), Jowai	Construction of Community Hall at Raliang under Kur Langdoh Seiraj raliang N 25° 29' 49.598 E92°23' 29.629	1 Nos @ ₹20,00,000/-	₹ 20,00,000.00	Detailed Estimate & KML enclosed as Annexure 258
259	(WL) Shillong	<b>Khasi Hills, (WL) Division, Shillong</b> Construction of Eco-Tourism Huts			Detailed Estimate & KML enclosed as Annexure 259
		1. Jireng CR N 25°56'51.2" E 91°33'42.1"	1 No.	₹ 5,00,000.00	
		2. Pdah Kyndeng CR N 25°57'27.87" E 91°55'45.81"	1 No.	₹ 5,00,000.00	
260	(WL) Shillong	Extension of one school room at Miewsyiar	1 No.	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 260
261	(WL) Shillong	Construction of children plaything 1. Raid Nongbri CR N 25°54'35.40" E 92°00'51.37" 2. Lumjusong CR N 25°53'31.0" E 92°02'28.6"	2 Nos. @ ₹1,00,000/-	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 261
262	(WL) Shillong	Construction of Ino rest house inside Umsum Pitcher Plant C.R. Umsum Pitcher Plant CR N-25°15'866 E-91°18'382	1 No.	₹ 8,00,000.00	Detailed Estimate & KML enclosed as Annexure 262



263	(WL) Shillong	Extension of one school room Ryngibah CR N25° 22.795' E 091° 57.081'	1 No.	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 263
264	(WL) Shillong	Renovation of staff quarter (Lata Nehru Park, Umiam) N25°39'42.94" E91°53'55.78"	2 Units @ ₹7,34,000/-	₹ 14,68,000.00	Detailed Estimate & KML enclosed as Annexure 264
265	(T) Shillong	<b>East Khasi Hills &amp; Ri-Bhoi (T) Division Shillong</b> Renovation of front line staff quarters-	10 Nos. @₹ 250000/-	₹ 25,00,000.00	Detailed Estimate & KML enclosed as Annexure 265
266	(T) Shillong	a) Byrnihat A/C Beat - 1 No.			
267	(T) Shillong	b) Shillong North Range - 2 Nos.			
268	(T) Shillong	c) Shillong South Range - 2 Nos.			
269	(T) Shillong	d) Nongpoh (T) Range - 2 Nos.			
270	(T) Shillong	e) Umtasar Range - 2 Nos.			
271	(T) Shillong	f) Southern Range - 1 No.			Detailed Estimate & KML enclosed as Annexure 271
272	(T) Shillong	Construction of new bridge under Nongpoh (T) Range	1 No.	₹ 10,00,000.00	Detailed Estimate enclosed as Annexure 272
273	(T) Tura	<b>West &amp; South West Garo Hills, (T) Division, Tura</b> Construction of one quarters for field staff @ 1685000/- (including GST @ 12% work contract)	-	₹ 16,85,000.00	Detailed Estimate & KML enclosed as Annexure 273
274	(T) Tura	Repair of quarters of frontline staff under Tura Range 1(one) nos.	-	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 274
275	(T) Tura	Repair of quarters of frontline staff under Hollaidunga Range 1(one) nos.	-	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 275
276	(T) Tura	7W Solar Smart Home kit of Agrotech Make for Sub-Beats @ 11,000 x 12 Nos.	-	₹ 1,32,000.00	Detailed Estimate & KML enclosed as Annexure 276
277	(T) Williamnagar	<b>East &amp; North Garo Hills, (T) Division, Williamnagar</b> Repair of Beats & Sub Beats (Simsanggre, Daragre, Dainadubi, Kharkutta, Adokgre)	10 Nos. @2,00,000	₹ 20,00,000	Detailed Estimate & KML enclosed as Annexure 277
278	(T) Williamnagar	Repair of Field Staff Quarter (Simsanggre, Daragre, Kharkutta)	10 Nos. @2,00,000	₹ 20,00,000	Detailed Estimate & KML enclosed as Annexure 278
279	(SF&T) Nongstoin	<b>West &amp; South West Khasi Hills (SF&amp;T) Division, Nongstoin</b> Construction of Forest Guard quarter at Riango Range	1 no	₹ 12,00,000.00	Detailed Estimate & KML enclosed as Annexure 279
280	(SF&T) Nongstoin	Repair of old field staff quarter at Mairang Range	2 nos	₹ 2,00,000.00	Detailed Estimate & KML enclosed as Annexure 280
281	(SF&T) Nongstoin	Renovation and Repair of 2 Nos Quarter	2 Nos	₹ 11,20,000.00	Detailed Estimate & KML enclosed as Annexure 281
282	(SF&T) Nongstoin	Water Connection to 5 Nos Quarters	5 Nos	₹ 7,50,000.00	Detailed Estimate & KML enclosed as Annexure 282
283	(T) Jowai	<b>Jaintia Hills, (T) Division, Jowai</b> Repairing of Suspension Bridge over Narjulon River within Saipung RF (Length 70M)	70mt @5,00,000/-	₹ 5,00,000	Detailed Estimate & KML enclosed as Annexure 283
284	(T) Jowai	Construction of 1 no frontline staff residential quarter at Borsara Beat	1 No. @ 12,00,000	₹ 12,00,000	Detailed Estimate & KML enclosed as Annexure 284
285	(T) Jowai	Major renovation of Beat Office (T) cum Forester quarter at Dona Beat (T) under Umkiang Territorial Range.	1 No. @ 3,35,000	₹ 3,00,000	Detailed Estimate & KML enclosed as Annexure 285
286	(T) Jowai	Major renovation of Double unit Forest Guard Quarter at Dona Beat (T) under Umkiang Territorial Range.	1 No. @ 4,22,700	₹ 4,22,700	Detailed Estimate & KML enclosed as Annexure 286

287	(T) Jowai	Major renovation of Beat Office (T) cum Forester Quarter at Borsara Beat (T) under Umkiang Territorial Range.	1 No. @ 3,00,000	₹ 3,00,000	Detailed Estimate & KML enclosed as Annexure 287
288	(T) Jowai	Major renovation of Beat office (T) cum Forester quarter at Lumshnong Beat (T) under Umkiang Territorial Range.	1 No. @ 3,00,000	₹ 3,00,000	Detailed Estimate & KML enclosed as Annexure 288
289	(T) Jowai	Repairing including painting and distemping works of Beat office cum staffs quarter at Suiha Beat and Jongria beat @ 3,69,400/quarter	1 No. @ 3,69,400	₹ 3,69,400	Detailed Estimate & KML enclosed as Annexure 289
290	(SF) Shillong	<b>East Khasi Hills, (SF) Division, Shillong</b> Construction of Poly House at Range Office Forest Nursery under Sohra Range	-	₹ 4,37,600.00	Detailed Estimate & KML enclosed as Annexure 290
291	(SF) Shillong	Construction of water supply connection by pipeline with 25 mm dia G.I. Pipe from main source to water reservoir at Range Office under Sohra Range	-	₹ 3,17,600.00	Detailed Estimate & KML enclosed as Annexure 291
292	(SF) Shillong	Construction of Labour Shed by RCC frame structure with CGI Sheet roofing at Sohra Range	-	₹ 2,24,200.00	Detailed Estimate & KML enclosed as Annexure 292
293	(SF) Shillong	Construction of Chain link Fencing with angle iron post at MCLL Forest Nursery under Sohra Range	-	₹ 5,59,600.00	Detailed Estimate & KML enclosed as Annexure 293
294	(SF) Nongpoh	<b>North Khasi Hills, (SF) Division, Nongpoh</b> Construction of Ring well Pipe Line connectivity for the Staff Quarter under Nongpoh Range	1 No	₹ 1,00,000.00	Detailed Estimate enclosed as Annexure 294
295	(SF) Nongpoh	Construction of Retaining wall for Range Officer Byrnihat	41.6 Rm	₹ 5,00,000.00	Detailed Estimate enclosed as Annexure 295
296	(SF) Nongpoh	Renovation of Transit camp & Staff Quarter at Jirang	1 No	₹ 2,00,000.00	Detailed Estimate enclosed as Annexure 296
297	(SF) Tura	<b>West Garo Hills, (SF) Division, Tura</b> Construction of Footpath from main road to Betasing Range Office compound	-	₹ 3,00,000.00	Detailed Estimate enclosed as Annexure 297
298	Silviculture, Shillong	<b>East Khasi Hills, (Silviculture) Division, Shillong</b> Making of 1 no. RCC ring well at Rongrenggiri Silviculture Range, East Garo Hills and External water supply works by installation of water tanks.	1 nos.	₹ 2,70,000.00	Detailed Estimate & KML enclosed as Annexure 298
299	Silviculture, Shillong	Construction of inspection path for 100 m at Rongrenggiri Silviculture Range, East Garo Hills	100 m	₹ 3,00,000.00	Detailed Estimate & KML enclosed as Annexure 299
300	Silviculture, Shillong	Major repairing of Staff Quarter for frontline staff under Silviculture division: (@2 lakh each) i. Umkhuti Hi-Tech Nursery under Umsuv Range - 2 nos ii. Upper Shillong under Shillong Range - 1 nos iii. Rongrenggiri Silviculture Range, East Garo Hills - 3 nos	6 nos.	₹ 12,00,000.00	Detailed Estimate & KML enclosed as Annexure 300
301	Silviculture, Shillong	i. Creation of fire line along the 8 kms boundary of Lum Sohpetbneng area under this division	8 km @12,005/km (@35 mandays/km)	₹ 96,040.00	Detailed Estimate & KML enclosed as Annexure 301
302		ii. Cleaning of fire line for 3 times per week for 3 months	3 months @5 mandays/ cleaning	₹ 61,740.00	Detailed Estimate & KML enclosed as Annexure 302
303		iii. Construction of watch tower at a prominent location in Lum Sohpetbneng area for forest fire monitoring	1 no.	₹ 2,70,000.00	Detailed Estimate & KML enclosed as Annexure 303
303 (a)	Silviculture, Shillong	Construction of big footbridges to connect conservation site of Nymphaea Tetragona (Pygmy Water Lily), at Umjapung, Mawmthoh, East Khasi Hills from approach road.	1 no.	₹ 5,20,000.00	Detailed Estimate enclosed as Annexure 303 (a)
303 (b)	Silviculture, Shillong	Major Repairing of Training Hall cum Van Vigyan Kendra at Umkuti	1 no.	₹ 4,80,000.00	Detailed Estimate enclosed as Annexure 303 (b)
304	Forest Utilisation, Shillong	<b>East Khasi Hills, (FU) Division, Shillong</b> Demolition and construction of Integrated Range & Beat Office building along with conference block at the existing place (Oakland)	1 no. Total Amount: Rs. 1,09,35,510 For Phase-I (2021-22) Rs. 50,00,000 For Phase-II (2022-23) Rs. 59,35,510	₹ 59,35,510.00	Detailed Estimate & KML enclosed as Annexure 304

305	Working Plan, Shillong	<b>East Khasi Hills, (WP) Division, Shillong</b> Construction of Transit Camp for Survey Party at Survey Party Range, Working Plan Division (2nd Phase)		₹ 29,23,415.00	Detailed Estimate & KML enclosed as Annexure 305
306	Working Plan, Shillong	Minor repairing and painting of front line field staff Quarter no.38 in Forest Colony Polo, Working Plan Division, East Khasi Hills District	1 nos.	₹ 1,30,500.00	Detailed Estimate enclosed as Annexure 306 KML enclosed as Annexure 306-310
307	Working Plan, Shillong	Minor repairing and painting of staff Quarter no.1 in Forest Colony Polo, Working Plan Division, East Khasi Hills District	1 nos.	₹ 2,70,500.00	Detailed Estimate enclosed as Annexure 306
308	Working Plan, Shillong	Minor repairing and painting of staff Quarter no.2 in Forest Colony Polo, Working Plan Division, East Khasi Hills District	1 nos.	₹ 1,50,000.00	Detailed Estimate enclosed as Annexure 306 KML enclosed as Annexure 306-310
309	Working Plan, Shillong	Minor repairing and painting of staff Quarter no.5 in Forest Colony Polo, Working Plan Division, East Khasi Hills District	1 nos.	₹ 1,78,500.00	Detailed Estimate enclosed as Annexure 306 KML enclosed as Annexure 306-310
310	Working Plan, Shillong	Minor repairing and painting of staff Quarter no.7 in Forest Colony Polo, Working Plan Division, East Khasi Hills District	1 nos.	₹ 96,000.00	Detailed Estimate enclosed as Annexure 306 KML enclosed as Annexure 306-310
311	Training, Shillong	<b>East Khasi Hills, (Training) Division, Shillong</b> Pavers Block at MFTS, Baiza Part-I	119 m	₹ 10,65,700.00	Detailed Estimate, Site Inspection Report & KML enclosed as Annexure 311
312	Training, Shillong	Pavers Block at MFTS, Baiza Part-II	40 m	₹ 3,58,900.00	Detailed Estimate, Site Inspection Report & KML enclosed as Annexure 312
<b>Total</b>				<b>₹ 4,74,62,905.00</b>	

v) Casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife undertaken from State Fund Rule (5)(3)(f)					
Sl. No.	Division	Particulars of Work	Quantity	Amount	Remarks
313	Silviculture, Shillong	Engagement of 2 (one) nos. Fire Watcher at Nohron <i>Nepenthes khasiana</i> conservation area for 5 months during the dry season	2 nos. @10,290/month	₹ 1,02,900.00	Detailed Estimate enclosed as Annexure 313
314	Silviculture, Shillong	Engagement of 2 (one) nos. Fire Watcher at Umjapung Water Lily conservation area for 5 months during the dry season	2 nos. @10,290/month	₹ 1,02,900.00	Detailed Estimate enclosed as Annexure 314
315	Silviculture, Shillong	5 Nos. Fire Watcher for 5 months during the dry season at Lum Sohpetbneng area	5 nos. @10,290/month	₹ 2,57,250.00	Detailed Estimate enclosed as Annexure 315
<b>Total</b>				<b>₹ 4,63,050.00</b>	

3) Items of work under Rule 6 of CAF Rules, 2018

Sl. No.	Division	Particulars	Amount (₹)
		<b>Payment of Contractual emoluments to the following staff:</b>	
		a) Accountant @ ₹25,000/- × 12 months × 1	₹ 3,00,000.00
		b) Accounting Assistant (CAMP A) - @ ₹21,000/- × 12 months × 1	₹ 2,52,000.00
		c) Part Time Assistant to Accountant Rs 5000 x 12 months x 1 No.	₹ 60,000.00
316	Head Office	d) Data Entry Operator (CAMP A)- @ ₹ 21,000/- × 12 months × 2 No.	₹ 5,04,000.00
		e) Project Associate (CAMP A)- ₹ 27,000/- × 12 months × 1 No.	₹ 3,24,000.00
		f) GIS Scientist - ₹ 33,500/- × 12 months × 1 No.	₹ 4,02,000.00
		g) Driver - ₹17000/- × 12 months × 1 No.	₹ 2,04,000.00
		h) Peon - ₹12200/- × 12 months × 1 No.	₹ 1,46,400.00
317		Office Expenses for FC Act/CAMP A Cell including cost of stationery, consumables and other office equipment etc.	₹ 10,00,000.00
318		TA and DA for officers undertaking tours on account of CAMP A related visits chiefly monitoring, inspection and evaluation	₹ 4,00,000.00
319		Monitoring & Evaluation by third party organisation	₹ 15,00,000.00
<b>Total</b>			<b>₹ 50,92,400.00</b>



**MINUTES OF MEETING OF THE EXECUTIVE COMMITTEE OF MEGHALAYA STATE COMPENSATORY AFFORESTATION MANAGEMENT AND PLANING AUTHORITY HELD ON 6<sup>th</sup> DECEMBER, 2021 AT 12.30 PM IN THE CONFERENCE HALL, O/o PCCF & HOFF, MEGHALAYA, SHILLONG.**

**Members Present:** As enclosed in Annexure- I

Shri B. K. Lyngwa, IFS, PCCF & HoFF, Meghalaya chaired the meeting. At the outset, the chairman welcomed all the members of the 'Executive Committee' and explained in brief the purpose of the meeting. Then, he requested the Chief Executive Officer (CEO), State CAMPA Authority to brief the members of the committee about the CAF Rules, 2018 and to place the proposed Annual Plan of Operation (APO) for the financial year 2022-23 before the committee for consideration.

The CEO, State CAMPA Authority briefed the committee on the status of the monies that have been sanctioned for APO 2020-21 and for APO 2021-22. Then, item-wise detailed presentation on the proposed activities of APO for the financial year 2022-23 was given. The detailed abstract of components are as follows :-

**ABSTRACT OF COMPONENTS FOR THE YEAR 2022-23**

Sl. No.	Components	Amount
	<b>Non-NPV Component</b>	
1	(i) Compensatory Afforestation	₹ 1,70,77,365
	(ii) Biodiversity Conservation Programme Lafarge	₹ 50,64,453
	<b>Total</b>	<b>₹ 2,21,41,818</b>
	<b>NPV Activities {Under Rule 5(2), 5(3) &amp; 6 of CAF Rules, 2018}</b>	
	<b>Sl. No. Description</b>	
	<b>Items of work under Rule 5 (2) of CAF Rules, 2018</b>	
2	(i) Assisted Natural Regeneration (a)	₹ 1,07,24,188
	(ii) Artificial Regeneration (b)	₹ 7,07,08,173
	(iii) Protection of plantations and forests (d)	₹ 3,85,98,880
1	(iv) Soil and Moisture Conservation works in the forest (g)	₹ 4,39,88,755

	(v) Improvement of wildlife habitat as provided in the approved wildlife management plan or working plan (i)	₹ 2,35,76,351
	(vi) Establishment, operation, and maintenance of animal rescue centre and veterinary treatment facilities for wild animals (k)	₹ 21,85,000
	(vii) Management of biological diversity and biological resource (m)	₹ 1,90,07,848
	<b>Total (80.77 % of NPV)</b>	<b>₹20,87,89,195</b>
	<b>Items of work under Rule 5 (3) of CAF Rules, 2018</b>	
2	(i) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials (a)	₹ 11,39,632
	(ii) Purchase and Maintenance of equipment or devices (c)	₹ 6,29,950
	(iii) Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber depots (d)	₹ 4,74,62,905
	(iv) Casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife undertaken from State Fund (f)	₹ 4,63,050
	<b>Total (19.23 % of NPV)</b>	<b>₹4,96,95,537</b>
	<b>Items of work under Rule 6 of CAF Rules, 2018</b>	
3	(i) Management of office establishment	
	(ii) Office equipment including computers and peripherals and its maintenance for the State Authority	
	(iii) Hiring of staff cars for the use of the officers and officials of the State Authority	₹ 50,92,400
	(iv) Hiring of buildings on lease for the office establishment and residences of the officers of State Authority	
	(v) Other contingencies for management of the State Authority	
	<b>Total</b>	<b>₹ 50,92,400</b>
<b>Grand Total ( 1+2+3)</b>		<b>₹28,57,18,950</b>


**Deliberations:** The following were the deliberations in the meeting:

1. Shri B. K. Lyngwa, IFS, PCCF & HoFF opined that an abstract has to be made for the Steering Committee which will portray the overall information required at first glance. A separate abstract for Compensatory Afforestation has to be made containing

- the total amount and quantity of newly proposed plantations and all committed liabilities. Similar abstract for all NPV activities has to be prepared.
2. Members of the 'Executive Committee' were informed that Proposals received from the implementing agencies (ADCs/Divisions) have been compiled and processed as per CAF Rules, 2018.
  3. Clarification was made on the purpose and process for construction of Check Dams and Spring Chambers by the CEO, State CAMPA Authority. On queries regarding selection of areas for Soil and Moisture conservation works, the members were informed that it is based on nature of catchment areas.
  4. The committee resolved that equipments required for upgradation of GIS Lab shall be included in the APO 2022-23 if such proposal is received from concerned wing.
  5. The CEO, State CAMPA Authority apprised the members that proposals were normalised with uniform rates for activities such as Plantations, Salt-licks and Boundary Pillars based on Plantation Norms and approved APO for 2021-22.
  6. The General Manager of the Centre of Excellence for Natural Resource Management and Planning, inquired if a cadre trained on 'Soil and Water conservation' can be engaged for activities related to soil and moisture conservation works. He was informed that such activities have to be initiated by respective implementing agencies.

After a thorough deliberation on the components and detailed item of works, the committee approved all Non-NPV and NPV activities incorporated in the APO for the year 2022-23 amounting to **Rs. 28,57,18,950/-** (Rupees Twenty-eight crores fifty-seven lakhs eighteen thousand nine hundred and fifty ) only.

The meeting was concluded with a *vote of thanks* from the Chair.



**Principal Chief Conservator of Forests & HoFF**  
**Meghalaya, Shillong.**

List of Officers present in the Meeting of the Executive Committee of the Meghalaya State  
CAMPA held on 06<sup>th</sup> December, 2021 at 12:30 P.M in the Conference Hall, O/o Principal  
Chief Conservator of Forests & HoFF, Sylvan House, Lower Lachumiere, Shillong

Sl. No.	Name of officers	Designation	Signature
1	Shri. B.K Lyngwa, IFS	Principal Chief Conservator of Forests & HoFF	
2	R. S. GILL	PCCF (T)	
3	S. M. Sahai	PCCF (AD)	
4	P. R. Malak	CCF (WL)	
5	N. S. Mannes	CCF (SR)	
6	N. Luitnam	CCF (T)	
7	N. Kharboyan	Assecy C & RD Deptt	
8	DR. S. KHONGSTI	PROJECT CO-ORDINATOR, SCSTI	
9	B. L. Nonglaid	Jt. Secretary (F)	
10	Shri. JML Bany	Financial Adviser (Forest)	
11	S. A. Nongsiij	CEO Campa	
12	S. M. Swami	DCF (FC Act)	
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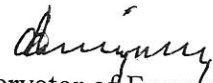
Memo No. EC/CAMPA/2021/Vol-I/11585-96

Dated Shillong, the 9<sup>th</sup> December 2021

Copy to:-

issued on \_\_\_\_\_

1. The Principal Chief Conservator of Forests & HoFF, Meghalaya Shillong.
2. The Principal Chief Conservator of Forests (T), Meghalaya Shillong.
3. The Principal Chief Conservator of Forests (Admn.), Meghalaya Shillong.
4. The Chief Conservator of Forests (WL), Meghalaya Shillong.
5. The Chief Conservator of Forests (FCA) & CEO (CAMPA), Meghalaya Shillong.
6. The Chief Conservator of Forests (SF), Meghalaya Shillong.
7. The Chief Conservator of Forests (T), Meghalaya Shillong.
8. The Deputy Conservator of Forests (FC), Meghalaya Shillong.
9. The Under Secretary, Community & Rural Development Department.
10. The Joint Secretary, Finance Department.
11. The Financial Adviser, Forest Department.
12. The Project Co-ordinator, State Council of Science Technology and Environment.

  
Chief Conservator of Forests (FC Act),  
& CEO, (CAMPA)  
Meghalaya, Shillong.

o/c

**MINUTES OF MEETING OF THE STEERING COMMITTEE OF MEGHALAYA STATE  
COMPENSATORY AFFORESTATION FUND MANAGEMENT AND PLANNING  
AUTHORITY HELD ON 17<sup>th</sup> DECEMBER, 2021**

Members present: As enclosed in Annexure - I

1. The meeting was chaired by Smti. R.V. Suchiang, IAS the Chief Secretary, Government of Meghalaya who welcomed all the members of steering Committee and requested the Member Secretary to initiate the discussion.
2. The Annual Plan of Operation (APO) for 2022-2023 prepared in respect of activities to be implemented for the State Compensatory Afforestation Fund (SCAF) for a total sum of ₹28,57,18,950/- ( Rupees Twenty eight crores fifty seven lakhs eighteen thousand nine hundred fifty only) was placed before the Steering Committee for approval.

**ABSTRACT OF APO FOR THE YEAR 2022-23**


Sl. No.	Components		Amount
1	Non-NPV Component		
		(i) Compensatory Afforestation	₹ 1,70,77,365
		(ii) Biodiversity Conservation Programme Lafarge	₹ 50,64,453
	<b>Total</b>		<b>₹ 2,21,41,818</b>
2	<b>NPV Activities {Under Rule 5(2), 5(3) &amp; 6 of CAF Rules, 2018}</b>		
	Sl. No.	Description	
		<b>Items of work under Rule 5 (2) of CAF Rules, 2018</b>	
		(i) Assisted Natural Regeneration (a)	₹ 1,07,24,188
		(ii) Artificial Regeneration (b)	₹ 7,07,08,173
		(iii) Protection of plantations and forests (d)	₹ 3,85,98,880
		(iv) Soil and Moisture Conservation works in the forest (g)	₹ 4,39,88,755
	1	(v) Improvement of wildlife habitat as provided in the approved wildlife management plan or working plan (i)	₹ 2,35,76,351
		(vi) Establishment, operation, and maintenance of animal rescue centre and veterinary treatment facilities for wild animals (k)	₹ 21,85,000
		(vii) Management of biological diversity and biological resource (m)	₹ 1,90,07,848
		<b>Total (80.77 % of NPV)</b>	
	<b>Items of work under Rule 5 (3) of CAF Rules, 2018</b>		
	(i) Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials (a)	₹ 11,39,632	





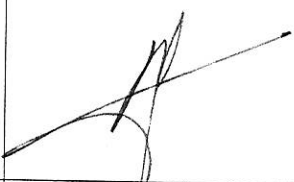

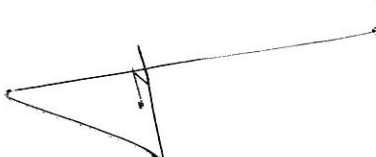


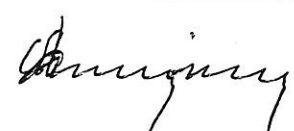


		(ii) Purchase and Maintenance of equipment or devices (c)	₹ 6,29,950
	2	(iii) Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber depots (d)	₹ 4,74,62,905
		(iv) Casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife undertaken from State Fund (f)	₹ 4,63,050
		<b>Total (19.23 % of NPV)</b>	<b>₹4,96,95,537</b>
		<b>Items of work under Rule 6 of CAF Rules, 2018</b>	
		(i) Management of office establishment	
		(ii) Office equipment including computers and peripherals and its maintenance for the State Authority	
		(iii) Hiring of staff cars for the use of the officers and officials of the State Authority	₹ 50,92,400
		(iv) Hiring of buildings on lease for the office establishment and residences of the officers of State Authority	
		(v) Other contingencies for management of the State Authority	
		<b>Total</b>	<b>₹ 50,92,400</b>
		<b>Grand Total ( 1+2+3)</b>	<b>₹28,57,18,950</b>

3. The Steering Committee deliberated on various components of the APO in respect of both the Non-NPV and NPV portions and approved the aforesaid APO for the total sum of ₹28,57,18,950/- ( Rupees Twenty eight crores fifty seven lakhs eighteen thousand nine hundred fifty)

The meeting ended with vote of thanks from the Chair.

  
 (R.V. Suchlang, IAS)  
 Chief Secretary  
 Government of Meghalaya and  
 Chairman  
 Steering Committee  
 Meghalaya State Authority, CAMPA

MEMBERS PRESENT IN THE MEETING OF THE STEERING COMMITTEE OF THE MEGHALAYA STATE CAMPA HELD ON 17th DECEMBER, 2021 AT 5:00 P.M. IN THE CONFERENCE ROOM, MAIN BUILDING, MEGHALAYA SECRETARIAT, CHAIRED BY THE CHIEF SECRETARY, GOVT. OF MEGHALAYA,

	<u>Name &amp; Designation</u>	<u>Signature</u>
1.	<b>Smti . R. V. Suchiang, IAS,</b> Chief Secretary to the Govt. of Meghalaya	
2	<b>Shri. Syed Md. A. Razi, IRTS,</b> Commissioner & Secretary to the Govt. of Meghalaya, Forests & Environment Department	
3.	<b>Shri. B. K. Lyngwa, IFS.,</b> Principal Chief Conservator of Forests & HoFF, Meghalaya, Shillong.	
4.	Smt. R. Lyngdoh Com + Secy Res + DPE.	
5.	Dr. Manjivanta. CIFS Secretary - Forest -	
6.	M.N. NAMPUI C&S H&FW	
7.	S.M. Sahan CWLW, Meghalaya-	
8.	S.A. Nongsiej CCF FC Act & CEO, CAMPA	
9.	W.S. Mannor	
10.	P.R. Manak CCF (w2)	

## Annual Plan of Operation 2022-23

### 1. Part-1: Brief history and past performance

#### (a) Brief description of forests and forestry sector in the state:-

Meghalaya is a State where Land Tenure System is totally different from the rest of the country. Here, land mostly belongs to the private individuals, clans and communities. Out of a total geographical area of 22,429 Sq. Km, the recorded forest area owned by State Forest Department is only 1125 Sq. Km which constitutes about 5% of the geographical area. The other forest areas of about 15994Sq Km, including those owned by individuals, clans and communities are under the control of the Autonomous District Councils. As per the 'India State of Forest Report 2019' published by the Forest Survey of India, the total forest cover of Meghalaya is 17118.79sq km. Though 76.32% of her geographical area is under forests, the dense forested area is small. About 2.18% of her geographical area is categorized as very dense forests and 41.32% as moderately dense forest. The rest is open forest.

Meghalaya is among the few states in the country which can be proud of its abundances of natural forest wealth spanning across sizeable large part of its geographical area, much higher than the national average. The State is gifted with the treasure of wide range of flora and fauna, some of which are unique and endemic to this region. This profuse natural treasure, however, also poses a commensurate range of management challenges. Although latest reports show that around 76% of the geographical area is under forest and tree cover, only about 5% of the total geographical area is under direct control and management of the State Government. The rest of the forests, owing to the unique land tenure system of the State, are owned by communities, clans or private individuals, and are managed by the three Autonomous District Councils in Garo Hills, Khasi Hills and Jaintia Hills, in a manner which cannot be termed as scientific management. This has caused, with passage of time,, substantial loss of forest cover in the State. The Hon'ble Supreme Court, in the matter of WP (C) 202 of 1995, took cognizance of the situation and directed that all the forests, irrespective of ownership, would come under scientific management as per Working Schemes approved by Government of India.

Conservation of Forests and vegetation cover is also highly significant in view of its role in maintaining water cycle. They help the soil in absorbing a sizable proportion of the precipitation so that the entire quantity of water that falls on any area of the earth's surface does not flow down rapidly only along the surface but also replenishes the subterranean aquifers from which, it comes out through natural springs, wells and tube wells. The moisture in the subsoil is absorbed by the roots of trees and plants, and after passing through the stem and branches of trees, it goes back into the atmosphere which results in an increase in the rainfall, particularly rainfall caused by local factors. Thus forests are the best protective agents for soil and water conservation. As most part of Meghalaya is a catchment for various major and minor rivers, streams in the State, conservation of forest cover in this region is essential from the point of view of water conservation as well.

While the directives of the Apex Court are in the process of being implemented, the need for having a different target-oriented time-bound approach to forest management is strongly felt. In this backdrop, the State CAMPA proposes to identify core objectives, set quantifiable targets to meet the core issues, and achieve these targets within the stipulated timelines.

Implementation of Social Forestry Programme in the State of Meghalaya started during the year 1981 with the creation of a separate Social Forestry Circle. The main task of the Social Forestry Circle was to carry out afforestation programmes in the areas outside the Government Control Forest areas which include the Reserved Forests, Protected Forests, Wild-life Sanctuaries and National Parks. The task of the Social Forestry Circle was therefore, to afforest the degraded areas falling outside the jurisdiction of the State Forest Department. This was achieved by negotiating with the Land owners, consisting of private individuals, Clan members and Community members to arrive at a consensus, execution of an agreement and followed by the actual afforestation of the area. Therefore, it can be said that the concept of Joint Forest Management was started in Meghalaya right from the inception of the Social Forestry Circle though the same was not officially called as the JFM.

### List of Reserved Forests in Meghalaya

Jurisdiction	District	Name of RF	Area (Sq.km)	Gazette Notification
DFO (T) East Khasi Hills & Ri-Bhoi District, Shillong	Ri-Bhoi	Nongkhyllem R.F.	125.91	No. 4692 F of 23.7.1909 & 864 G. J of 4.2.1939. A part of Nongkhyllem R.F. comprising an area of 29.00 Sq. Km has been notified as Nongkhyllem WLS vide No.FOR.25/81/5,Dt.25-3-1981
		Umsaw R.F.	0.44	No. G.F.R. 234/46/3 of 16.12.1946
	East Khasi Hills	Riatkhwan R.F.	3.91	No. 806 R of 5.3.1892 & 4287 R of 1.9.1892
		Shyrwat R.F	0.44	No. FOR.179/80/187 of 28.3.1988
		Riat Laban R.F.	2.05	No. FOR 179/80/183 of 28.3.1988
DFO (T) Jaintia Hills, Jowai	East Jaintia Hills	Saipung R.F.	150.35	No. 26/7/1876 and 5 of 17.10.187
		Narpuh R.F Block I	62.42	No. 3978 F of 17.6.1909
		Narpuh R.F Block II	98.68	No. 1106 R of 9.3.1918. A part of Narpuh R.F Bl. II comprising an area of 59.90 Sq.km. has been notified as Narpuh WLS vide No.FOR.128/2012/20,Dt.10-06-2014

DFO West Khasi Hills Social Forestry & Territorial Division, Nongstoin	West Khasi Hills	Nongumiang R.F.	0.31	FOR.118/92/124 dated 08.09.2003.
DFO West & South West Garo Hills Territorial Division, Tura	West Garo Hills	Dibru Hills R.F.	15.02	No. 28 dt.19.6.1883 & 3526 R of 10.12.1930
		Tura peak R.F	4.19	No. FOR.10/75/32 dt 23.6.1982
DFO East and North Garo Hills (T) Division, Williamnagar	East Garo Hills	Songsak R.F.	23.31	No. 29 of 1.10.1885 & 3583 R of 5.9.1902
		Rongrenggiri R.F.	36.26	No. 28 of 19.6.1883 & 375 R of 29.1.1932
		Darugiri R.F.	10.36	Number 28 of 19.6.1883 & 373 R of 29.1.1932
		Dambu R.F.	18.13	No. 22 of 12.3.1880 & 4276 R of 14.10.1962
	North Garo Hills	Chimabangshi R.F.	23.28	No. 28, dt 19.6.1883 & FOR/Sectt/492/63/4 dt 22.12.1965
		Rajasimla R.F.	18.13	No. 28 of 19.6.1883 & 665 R of 15.2.1899
		Ildek R.F.	2.59	No. 28 of 19.6.1883
		Dhima R.F.	20.72	No. 28 of 19.6.1883 & 3715 R of 11.8.1904
		Dilma R.F.	2.59	No. 28 of 19.6.1883
DFO South Garo Hills Social Forestry and Territorial Division, Baghmara	South Garo Hills	Baghmara R.F.	43.91	No. 12 dt 24.2.1887
		Angratoli R.F.	30.11	No. 3 dt 7.11.1883 & 2478 R of 15.6.1915
		Rewak R.F.	6.47	No. 44 dt. 7.11.1883 & 1699 R of 26.7.1932
		Emangiri R.F.	8.29	No. 44 dt. 7.11.1883 & 1699 R of 26.7.1932

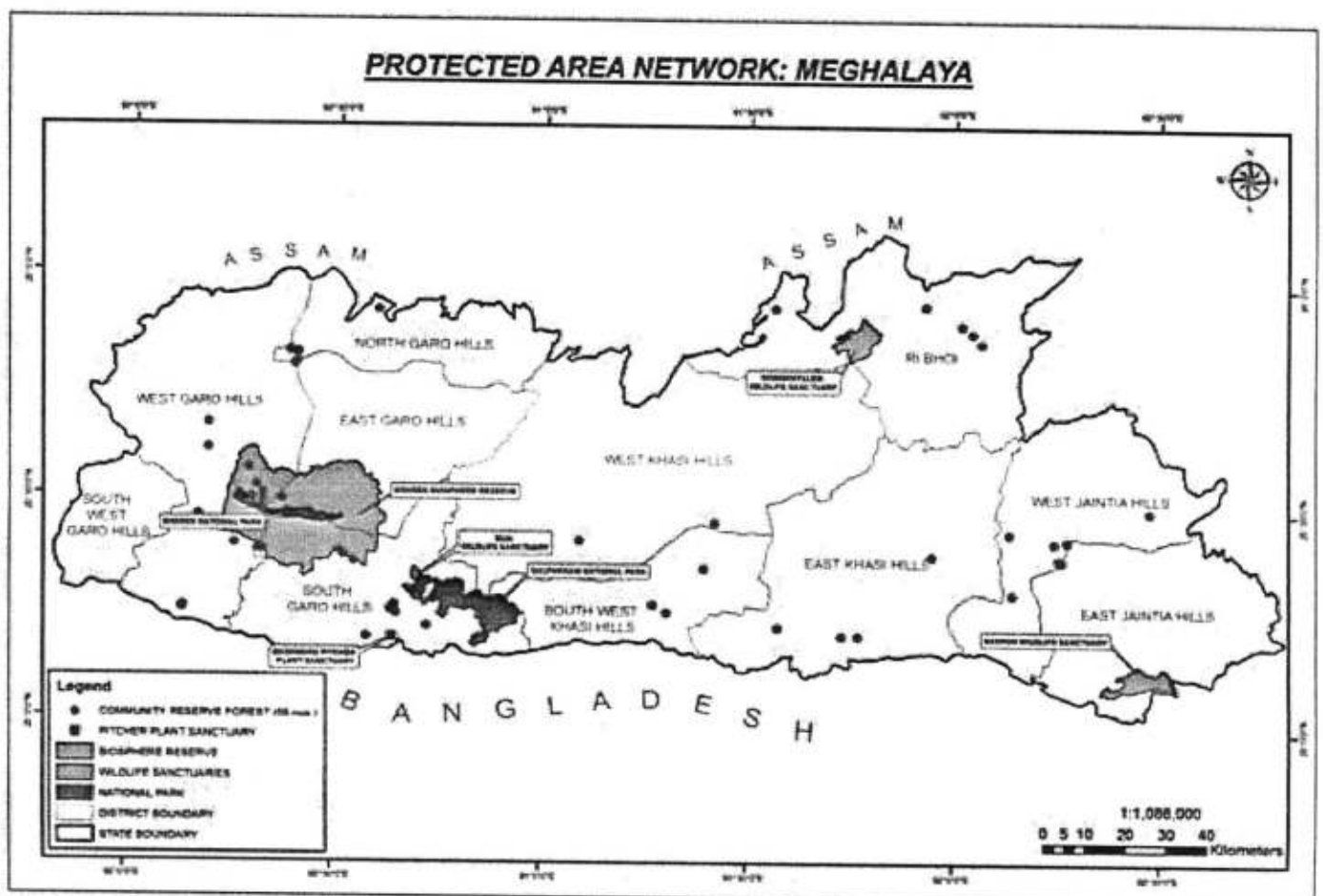


		Siju R.F.	5.18	No. 44 dt. 7.11.1883 & 1699 R of 26.7.1932
		Gittingiri R.F	2.40	No. FOR.118/92/125 dt. 08.09.2003
<b>Total</b>			<b>626.55</b>	

### Protected Forests in Meghalaya

Jurisdiction	District	Name of P.F	Area (Sq.km)
DFO (T) East Khasi Hills & Ri-Bhoi District, Shillong	East Khasi Hills	Upper Shillong P.F	7.66
		Short Round P.F	1.13
		Laitkor P.F	3.25
		Green Block No.2	0.21
		Umkhuti P.F	0.14
<b>Total</b>			<b>12.39</b>

### National Parks and Sanctuaries





### **National Parks**

- (i) Balpakram
- (ii) Nokrek

### **Sanctuaries**

- (i) Nongkhylllem
- (ii) Narpuh
- (iii) Siju
- (iv) Baghmara Pitcher Plant

Certain wildlife bearing areas of significance, comprising of the buffers of PAs, viable wildlife habitats and important corridors which are not under direct government control, have been identified for management as biosphere reserves and elephant reserves as shown below. In these areas public co-operation and participation in conservation programmes are imperative for achievement of management objectives.

Sl.No.	Name and location of Area	Area. (Sq. Kms)
1	<u>Nokrek Biosphere Reserve around Nokrek NP</u>	820
2	<u>Garo Hills Elephant Reserve</u>	3500
	<b>TOTAL</b>	<b>4320</b>

### **National Parks and Sanctuaries**

#### **Nokrek National Park**

**Area :** 47.48 Sq.Kms

**Location:** Spread in East Garo Hills and West Garo Hills, about 15 km distance from Williamnagar and about 45 km distance from Tura

**Gazette Notification and Date:** No.FOR.23/86/204,Dt.29-11-1986

**Conservation value:**

UNESCO added Nokrek National park to its list of Biosphere Reserves in May 2009. Nokrek Biosphere Reserve covers an area of 820 Sq.Kms. The Reserve is one of the least disturbed forest tract of Sub-Himalayan range. The park is home to a variety of animals, birds and pheasants, beside some rare and endemic flora. Important animals found here are Indian Elephant, Hoolock Gibbons, Capped Langur, Stump Tailed Macaque, Clouded Leopard, Leopard, Gaur, Sambar, Barking Deer, Himalayan Black Bear, Sloth Bear. Many species of birds can also be spotted here and the national park is considered to be an important bird area and an ideal spot for bird watchers. *Citrus indica* which is mother of all citrus fruit in the world is endemic to this place and the locals call it by name *memangnarang* ('orange of the spirits'). Nokrek is also believed to be the home of *Mande Burung* (jungle man or ape man) and reported cases of sightings found in and around the villages of Nokrek.

#### **Balpakram National Park – Resting place of Spirits of dead**

**Area :** 220 Sq.km.

**Gazette Notification & Date:** No.FOR.103/34/354,Dt.15-2-1986

**Location:** Located in South Garo Hills, 293 km from Guwahati, about 166 km from Tura and 62 km from Baghmara

**Best time to visit:** November to March.

The literal meaning of Balpakram is the "land of perpetual winds". Balpakram is famous for its forest covered canyon-cum-gorge and numerous geo-physical formations, all of which makes the place a land of mystery. It is often compared to the Grand Canyon National Park of the United States of America, to the local Garo inhabitants, Balpakram is the abode of the spirits of the dead. It is believed that here, the spirits of the dead dwell temporarily before embarking on the final journey. The park consists of a succession of hills and valley with constant abrupt variation in altitude, aspect and gradient. The deepest gorge is the Mahadeo gorge, locally known as Kundulop with drop of over 600 meters. The most prominent physical feature of the park is the bullock hump shaped Chitlang peak or Kailash, rising to a height of about 1023 meters.

### **Mystery of Balpakram**

Balpakram has many mysterious and unnatural phenomena that cannot be satisfactorily explained by modern science and logic. Some of the mysterious sites are Boldakmatchukaram, Chitlang peak, Matchru, Arengpatal, Goncho Dare, Dikkini ring, RongsaljongAgal, RongsobokRongkol. Indeed, Balpakram is so steeped in myths that even the Hindus believe that it is a sacred place. They believe that when Laxman was seriously injured in the war, a very rare lifesaving herb was required, Lord Hanuman found it here but not knowing which to take, broke the top of the hill and carried it away. The missing portion of that hill became a deep awning canyon.

### **Conservation value:**

Stretching between an altitudinal zonation of 100 meters to well over 1027 meters, Balpakram National Park harbours a rich and diverse gene pool. It is home to many rare and endemic animals. The National Park is home to Elephants, Tigers, Sambar, Barking deer, Gaur, Clouded leopard, Red panda, Black bear.

### **Tour Time**

The Park is open to visitor from 1st of November to 31st of May every year. The Park is open to visitors from 5 A.M. to 4 P.M. from the month of November-February and 5 A.M. to 6 P.M. from March-May.

### **Accommodation**

Inspection Bungalows (I.B.s) are located at following places to accommodate visitors and research students: - (i) Baghmara - 1 No with 6 beds

(ii) Siju Range - 1 No with 6 beds

(iii) Rompa VIP Room - 1 No with 5 beds

(iv) Hatisia IB - 1 No with 7 beds

(v) Hatisia Student Dormitory - 5 Rooms

### **Nongkhylllem Wildlife Sanctuary**

**Area :**29.00 Sq.Kms

**Location:** Ri-Bhoi District, about 53 km distance from Shillong and about 51 km distance from Dispur.

**Gazette Notification and Date:** No.FOR.25/81/5,Dt.25-03-1981

### **Conservation value:**

The Sanctuary falls in the Eastern Himalayan Global bio-diversity hot spot. This area is rich in Floral and Faunal wealth. It has attracted the attention of wildlife enthusiasts and research scholars from all over the country. J. Joseph, who compiled the flora of Nongpoh and its vicinity in 1982, noted about 1036 taxa of vegetation belonging to 639 genera of 159 families in a study area of about 200 Sq.Kms. He stated that a unit of the South Indian Forests of the Western Ghats, another bio-diversity hot spot, harbors less number of species as compared to these forests.

The first ever bird survey carried out by Shri Anwaruddin Choudhury of the Rhino Foundation of India in this Sanctuary from April, 1996 to October,1998, recorded over 400+ species of bird. The survey revealed the presence of endangered species such as the Rufous Necked Hornbill.

The area harbors over 50 species of mammals and 25 species of reptiles. Out of 140 species of mammals listed in Schedule I of the Wild Life (Protection) Act1972, about 30 species are found in this Sanctuary.

### **Narpuh Wildlife Sanctuary**

**Area :**59.9 Sq.Kms

**Location:** East Jaintia Hills District, about 78 kms distance from Jowai and about 155 kms distance from Shillong.

**Gazette Notification and Date:** No.FOR.128/2013/20,Dt.10-06-2014

#### **Conservation value:**

The Narpuh Wildlife Sanctuary is the only large tract of pristine forest left in both the East & West Jaintia hills District as well as the eastern part of Meghalaya. This area has some of the tallest evergreen and semi-evergreen forest left in Meghalaya. The Sanctuary is also home to many Schedule I species such as Hoolock gibbon, Serow, Slow loris, Pied Horn bill, Leopard etc. The favorable climate with rich vegetation offers a good habitation of the area to support a wide variety of wild, endangered Flora and Fauna, the Sanctuary is endowed with a rich diversity and abundance of wildlife. Till recently only few studies has been conducted to explore the Fauna diversity in the Sanctuary, the studies conducted so far are as follows:-

- In the year 1996-98, a study was conducted by the Zoological Survey of India, the first at such survey for the District, as per the report there are 25 species of birds, 61 species of mammals, 16 species of Reptiles, 74 species of fishes and 15 species of Amphibians.
- Dr.Anwarruddin Choudhury in the year 1999 has submitted the interim report of wildlife survey in Jaintia Hills, according to which there are more than 120 species of mammals.
- In 2016-2017, the Department with Dr.RajkamalGoswami from Ashoka Trust for Research in Ecology & the Environment had carried out fauna survey in the Sanctuary using camera trap, as per the study 92 species of birds, 35 species of mammals & 199 species of butterfly were recorded.

**Birds :-** About 92 species have been recorded so far. Among the noteworthy species recorded so far includes, Oriental Pied Hornbill, Giant or Great Pied Hornbill, Spangled Drongo, Rufous-throated Partridgeetc.

**Butterflies :-** The Sanctuary has a number of small nullas, streams etc. which harbor a rich variety of Butterflies, Dr.RajkamalGoswami during his studies in the Sanctuary has recorded around 91 species of butterflies. Some of the butterflies are very rarewhich can be located only in the Sanctuary. It can be stated that the Sanctuary is exceptionally rich in butterfly diversity.

**Reptiles :-**The Asian Leaf Tule(*cyclemis dentate*), a poorly known testudine was recorded in Prang and Lukha rivers. the Copper headed Trinket Snake, Red-necked Keelback, monitor lizard and species of frog(*Kaloula spp.*) have been recorded from the region. The Common *Varanus bengalensis*, water monitors, Rock Python, King Cobra, Common Cobra, Banded krait, Common krait, Common vine snake, Green pit viper and reticulated python have also been recorded.

### **Siju Wildlife Sanctuary**

**Area :**5.18 Sq.Kms

**Location:** South Garo Hills District, about 45 kms distance from Baghmara, 160 kms from Tura and about 475 kms distance from Shillong.

**Gazette Notification and Date:** No.MFG.66/4,Dt.30-03-1979

#### **Conservation value:**

The oldest and the first Wildlife Sanctuary of Meghalaya located in the remote Garo Hills region of Meghalaya. Sharing its border on the Eastern part with the Balpakram National Park and blessed by the longest river of Meghalaya, the Simsang, as neighbor on the Western part, is home to many endemic rare flora and fauna. It also shares its border with the Balpakram-Baghmara and Siju-Rewak elephant Corridors within its Southern periphery. Siju Wildlife Sanctuary came into existence in 1979. Earlier the area was declared Reserved Forest by the Lieutenant-Governor of East Bengal and Assam in 1906.

The origin of the name of Siju Wildlife Sanctuary (SWLS) could be tracked back from its location in the village named "Siju". Thus the name "Siju Wildlife Sanctuary". Siju is a fast growing village dominated by Garo subtribe known as "Attong". Although, the Sanctuary is very small in size - covering only 5.18 Sq.Kms, but its flora composition is of primary origin. many wild animals such as Elephants, Barking Deer, Sambar Deer, Wild Boar, Tiger, Clouded Leopard etc. are well represented in the Sanctuary. At least 5 species of primates - Hoolock Gibbon, Stumped Tailed Macaque, Langurs, Slow Loris and Rhesus Macaque are recorded. Popularly regarded as the "Bird Sanctuary", the area offer many enchanting migratory birds encounters inside the Sanctuary such as Siberian Ducks, Spoonbill, etc.

#### **Baghmara Pitcher Plant Sanctuary**

**Area** :2.7 hectares

**Location**: South Garo Hills District, Baghmara about 112 kms distance from Tura and about 332 kms distance from Guwahati railway station.

**Gazette Notification and Date**: No.FOR.79/84/5,Dt.24-05-1984

#### **Conservation value:**

The Baghmara Pitcher Plant Sanctuary is named after the location of the Sanctuary and Pitcher plant, *Nepenthes Khasiana* a rare insectivorous plant which is being protected and conserved in the Sanctuary. The Pitcher plant is locally known as "Me'mang-Koksi" (Me'mamg = Ghost; Koksi = Basket). The locals, Garos regard it as a sacred plant or the Ghost basket.

*Nepenthes Khasiana* is the only endemic species of genus *Nepenthes* that occurs in India, and in Meghalaya State. Also, the species is the only Pitcher Plant found in India. The species and its habitat are unique, as it occurs with an isolated population in Meghalaya. It can be said that the species represents ancient endemic remnants of older floras which usually occur in landmasses of geological antiquity(Palaeoendemic)(Bramwell,1972). Hence, the species is of great biological interest. Its rare status gives it a very high ecological importance.

the Baghmara Pitcher Plant Sanctuary(BPPS) is the only Sanctuary in Meghalaya where *in-situ* conservation of Pitcher Plant is being carried out. Although the area is very limited, plenty of Pitcher plant grows luxuriantly. the very objective of the establishment of Baghmara Pitcher Plant Sanctuary is to protect and preserve this rare, endemic and threatened in nature for generations. The vegetations of the Sanctuary provides home to small animals such as squirrels, foxes, mongoose, lizards, snakes etc. in the heart of the town. The Sanctuary also protects soil erosion and provide water to section of the surrounding villages.

Besides, Pitcher Plant, many endemic flora and fauna are found in Baghmara-Balpakram Landscape. In fact the area has high level of endemism. The Pitcher Plant(*Nepenthes Khasiana*) and Drosera etc. are endemic species. These have the best chance of survival in Baghmara-Balpakram landscape.

#### **Nokrek Biosphere Reserve**

**Area** :820 Sq.Kms

**Core Zone** :47.48 Sq.Kms

**Buffer Zone** :227.92 Sq.Kms

**Transition Zone** :544.60 Sq.Kms

**Location**: Nokrek Biosphere Reserve extends to three districts namely West Garo Hills, East Garo Hills and South Garo Hills District.

**Gazette Notification and Date**: Notified by the ministry of Environment & Forests on 01-09-1988.

#### **Conservation value:**

Nokrek Biosphere Reserve is the First Biosphere Reserve in the North-East India to be designated for inclusion in the World Network of Biosphere Reserve of Man and the Biosphere Programme,UNESCO on 26-05-2009. Nokrek Biosphere Reserve is a rich gene pool of citrus

species, especially the *Citrus indica Tanaka* and other related cultivars. Apart from several other species of wild animals such as - Himalayan Black Bear, Slow Loris, Guar, Clouded Leopard etc., Nokrek Biosphere Reserve is home to a large population of Hoolock gibbon, the only ape found in India. It is catchment area of several streams, including the streams providing drinking water to Tura and other towns.



**Garo Hills Elephant Reserve**

Area :3500 Sq.Kms (approx.)

Core Zone :533.892 Sq.Kms (approx.)

Buffer Zone :2900 Sq.Kms (approx.)

**Location:** Parts of the Civil Districts of East Garo Hills, West Garo Hills and South Garo Hills comprising Balpakram National Park, Siju Wildlife Sanctuary, Rewak Reserved Forest, Emangre Reserved Forest, Nokrek National Park, Baghmara Reserved Forest, Angratoli Reserved Forest, Rongranggiri Reserved Forest, Tura Peak Reserved Forest and all the Clan/Community lands comprising them.

**Gazette Notification and Date:** No.FOR.132/2000/97 dated 31-10-2001

**Conservation value:**

The State of Meghalaya has a sizeable number of elephant populations. These are not contained within the Protected Area network which are under the direct control of the State Government. A significant population of elephants resides outside the Protected Area network. The elephant because of their long ranging movement, need for shelter and food requirement, move from one block of forest to another which lie in fragmented form. The area outside the Protected Area network is interspersed with human habitation. It was therefore considered essential to define a management unit which acknowledges presence of human being along with the elephant, prescribing management practice synergizing the need of both the components. The thrust of management in such areas is eco-development works to improve economic status of human being, anti-depredation activities to reduce man animal conflict and habitat improvement programme to divert the movement of elephants. One such Elephant Reserves in the Garo Hills region under the Centrally Sector Scheme of Project Elephant has already been notified vide Government of Meghalaya Notification Number 132/ 2000/ 97 dated 31st October 2001 measuring a total area of 3500 sq kms approximately.

**LIST OF COMMUNITY RESERVE FORESTS**

Sl. No	Name of community Reserve	Area (Ha)	District	Govt. notification
1	Khloo Blai Sein Raji Tuber Community Reserve	89.43	East Jaintia Hills	No.FOR.17/2013/134, Dt.10.7.2013
2	Ka Khloo Thangbru Umsymphu Community Reserve	19.6		No.FOR.17/2013/Pt/44, Dt.4.3.2014
3	Ka Khloo Pohblai Mooshutia Community Reserve	33.5		No.FOR.17/2013/Pt/45, Dt.4.3.2014
4	Smaw Der Khli Community Reserve	0.209		No.FOR.17/2013/Pt/214, Dt.29-01-2020
5	Ka Khlaw Umthalong Community Reserve	2.401		No.FOR.17/2013/Pt/212, Dt.29-01-2020
6	Ka Krem Labit Umkyrpong Community Reserve	4.80		No.FOR.17/2013/424, Dt.09-03-2020
7	Ka Khloo Moopyai Wapung Shnong Community Reserve	68.462		No.FOR.17/2013/Pt/440, Dt.12-02-2021
8	Ka Khloo Khylllem Shrieh Khloo Thangbru Community Reserve	4.10		NO.FOR.17/2013/488, Dt.19-01-2021
9	Khloo Blai Chyrmang Sein Raji Kongwasan Chyrmang Kmai Community Reserve	7.00	West Jaintia Hills	No.FOR.17/2013/135, Dt.10.7.2013
10	Ka Khloo Langdoh Kur Pyrtuh Community Reserve	15.4		No.FOR.17/2013/Pt/46, Dt.4.3.2014
11	Khloo Amrawan Community Reserve	128.75		No.FOR.17/2013/Pt/132, Dt.20.11.2015
12	Khloo Blai Ka Raji U Langdoh Ionglang Community Reserve	15.12		No.FOR.17/2013/Pt/144, Dt.07.03.2016
13	Ka Lum Luwe Community Reserve	14.1		No.FOR.17/2013/351, 07-08-2018
14	Ka Wah Umpatho Community Reserve	31.864		No.FOR.17/2013/Pt/208, Dt.18-11-2019
15	Ka Khloo Thangbru Sula Lynter Sein Raji Mynso Community Reserve	3.293		No.FOR.17/2013/Pt/206, Dt.18-11-2019
16	Ka Khloo Blai Lyngdoh Sein Raji Mynso	0.852		No.FOR.17/2013/Pt/204,

Community Reserve				Dt.18-11-2019
17	Ka Khloo Blai Langdoh Ka Kur Lyngdoh Raji Raliang Community Reserve	3.51		NO.FOR.17/2013/490, Dt.19-01-2021
18	Mandalgre Community Reserve	50	East Garo Hills	No.FOR.17/2013/136, Dt.10.7.2013
19	Daribokgre Community Reserve	173		No.FOR.17/2013/136, Dt.10.7.2013
20	Dura Kalakgre Community Reserve	60		No.FOR.17/2013/136, Dt.10.7.2013
21	Aruakgre Community Reserve	10		No.FOR.17/2013/136, Dt.10.7.2013
22	Dumitdikgre Community Reserve	70		No.FOR.17/2013/137, Dt.10.7.2013
23	Sakalgre Community Reserve	122	West Garo Hills	No.FOR.17/2013/137, Dt.10.7.2013
24	Sasatgre Community Reserve	60		No.FOR.17/2013/137, Dt.10.7.2013
25	Selbalgre Community Reserve	20		No.FOR.17/2013/137, Dt.10.7.2013
26	Chandigre Community Reserve	37		No.FOR.17/2013/137, Dt.10.7.2013
27	Baladingre Community Reserve	50		No.FOR.17/2013/Pt/12, Dt.15.7.2013
28	Mongalgre Community Reserve	20		No.FOR.17/2013/Pt/74, Dt.19-08-2014
29	Chimanpara Community Reserve	10.2		No.FOR.17/2013/Pt/177, Dt.26-10-2016
30	Thokpara Community Reserve	30		No.FOR.17/2013/Pt/178, Dt.26-10-2016
31	Rongalgre Community Reserve	16.5		No.FOR.17/2013/Pt/179, Dt.26-10-2016
32	Aruakgre Community Reserve	100		North Garo Hills
33	Resu Haluapara Community Reserve	50	No.FOR.17/2013/Pt/77, Dt.19-08-2014	
34	Kitmadangre Community Reserve	70	No.FOR.17/2013/Pt/78, Dt.19-08-2014	
35	Rongma Paromgre Community Reserve	62.30	South Garo hills	No.FOR.17/2013/138, Dt.10.7.2013
36	Rongma Rekmangre Community Reserve	192.40		No.FOR.17/2013/138, Dt.10.7.2013
37	Eman Asakgre Community Reserve	30.40		No.FOR.17/2013/138, Dt.10.7.2013
38	Bandarigre Community Reserve	0.67		No.FOR.17/2013/138, Dt.10.7.2013
39	Mikadogre Community Reserve	1.28		No.FOR.17/2013/138, Dt.10.7.2013
40	Dangkipara Community Reserve	2.50		No.FOR.17/2013/Pt/75, Dt.19.8.2014
41	Balsri Ading Community Reserve	45.60		No.FOR.17/2013/Pt/297, Dt.07.06.2017
42	Chenggni Community Reserve	174.00		No.FOR.17/2013/Pt/298, Dt.07.06.2017
43	Chimitap Community Reserve	228.00		No.FOR.17/2013/Pt/299, Dt.07.06.2017
44	Dallenggittim Community Reserve	22.17		No.FOR.17/2013/Pt/300, Dt.07.06.2017
45	Dambuk Attong Community Reserve	366.00		No.FOR.17/2013/Pt/301, Dt.07.06.2017
46	Dambuk Jongkol Community Reserve	264.80		No.FOR.17/2013/Pt/302, Dt.07.06.2017
47	Gokagre Community Reserve	17.89		No.FOR.17/2013/Pt/303, Dt.07.06.2017
48	Halwa Ambeng Community Reserve	94.10		No.FOR.17/2013/Pt/304, Dt.07.06.2017
49	Jaksongram Community Reserve	55.50		No.FOR.17/2013/Pt/305, Dt.07.06.2017
50	Lotnagar Community Reserve	45.60		No.FOR.17/2013/Pt/306, Dt.07.06.2017
51	Matchirampat Community Reserve	21.70		No.FOR.17/2013/Pt/307,



				Dt.07.06.2017
52	Nitwatgre Community Reserve	49.50		No.FOR.17/2013/Pt/308, Dt.07.06.2017
53	Rewak Daburam Community Reserve	18.30		No.FOR.17/2013/Pt/309, Dt.07.06.2017
54	Rewak Watregittim Community Reserve	9.80		No.FOR.17/2013/Pt/310, Dt.07.06.2017
55	Rongcheng Community Reserve	235.60		No.FOR.17/2013/Pt/311, Dt.07.06.2017
56	Taidang Community Reserve	121.40		No.FOR.17/2013/Pt/312, Dt.07.06.2017
57	Siju Duramong-I Community Reserve	76.80		No.FOR.17/2013/Pt/313, Dt.07.06.2017
58	Siju Duramong-II Community Reserve	251.00		No.FOR.17/2013/Pt/314, Dt.07.06.2017
59	Upper Dosogre Community Reserve	19.691		No.FOR.17/2013/Pt/315, Dt.07.06.2017
60	Aritakgre Community Reserve	60.6		No.FOR.24/2021/39, Dt.08-09-2021
61	Karukol Community Reserve	26.7		No.FOR.24/2021/40, Dt.08-09-2021
62	Teptepa Community Reserve	153		No.FOR.24/2021/41, Dt.08-09-2021
63	Siju Sonowa Community Reserve	180		No.FOR.24/2021/42, Dt.08-09-2021
64	Rantangsora Community Reserve	10.4		No.FOR.24/2021/43, Dt.08-09-2021
65	Nongsangu Community Reserve	100		No.FOR.17/2013/181, Dt.10.3.2014
66	Raid Nongbri Community Reserve	70		No.FOR.17/2013/182, Dt.10.3.2014
67	Lum Jusong Community Reserve	130.46	Ri-bhoi	No.FOR.17/2013/210, Dt.05.9.2016
68	Jirang Community Reserve	200		No.FOR.17/2013/184, Dt.10.3.2014
69	Raid Nonglyngdoh /Pdah Kyndeng Community Reserve	75		No.FOR.17/2013/185, Dt.10.3.2014
70	Phudja-Ud Community Reserve	120		No.FOR.17/2013/186, Dt.10.3.2014
71	Umsum Pitcher Plant Community Reserve	40	South West Khasi Hills	No.FOR.17/2013/Pt/119, Dt.04.12.2014
72	Lumkohkriah Community Reserve	611		No.FOR.17/2013/Pt/120, Dt. 04.12.2014
73	Lawbah Community Reserve	311.44		No.FOR.17/2013/209, Dt.05.9.2016
74	Ryngibah Community Reserve	96.909		No.FOR.17/2013/214, Dt.29.11.2016
75	Ryngud Community Reserve	522	East Khasi Hills	No.FOR.17/2013/Pt/121, Dt. 04.12.2014
76	Thangkharang Community Reserve	111		No.FOR.17/2013/Pt/122, Dt.04.12.2014
77	Ka Law Lyngdoh Community Reserve	3.481		No.FOR.17/2013/438, Dt.02-07-2020
78	Kpoh Eijah Community Reserve	17	West Khasi Hills	No.FOR.17/2013/Pt/117, Dt. 04.12.2014
79	Miewsyiar Community Reserve	87		No.FOR.17/2013/Pt/118, Dt.04.12.2014
<b>Grand Total</b>		<b>6724.082</b>		

### Environment & Ecology

The Govt. of Meghalaya renamed the 'Forest Department' as the 'Forest & Environment Department' in the year 1991 and transferred Environment Planning Cell from Urban Affairs Department on 15<sup>th</sup> March, 1991. It was subsequently again renamed in 2014 as 'Department of Forest & Environment & Climate Change'. In the year 2015, the administrative control of the State Pollution Control Board was transferred to this Department. In August 2015, the Govt. of Meghalaya has notified the o/o the Addl. PCCF (SF & E) as the secretariat of the newly re-constituted SEIAA (State Environment Impact Assessment Authority) and also made the CCF (SF & E) as its ex-officio Member Secretary. Currently, the staff of 'Environment Cell' has been assisting the SEIAA, in addition to other duties.

The Social Forestry & Environment Wing concentrated its effort on raising forest nursery, roadside plantation, block plantation on community and private land with an objective to ameliorate environmental degradations. Thus to a great extent such afforestation measures helped to maintain overall satisfactory forest cover for the State as may be seen in the India State of Forest Report.

- (b) Compensatory afforestation, other forestry and related schemes 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.

**List of Plantations carried out in the state during last twelve years from 2008-09 to 2019-20 (no fund for creation of plantation was released for 2018-19 and 2019-20)**

Sl. No.	Name of Division	Name of the Scheme	Physical achievement year wise												Remarks
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	
1.	Social Forestry Division, East Khasi Hills, Shillong.	State Plan	-	-	-	-	-	76 ha	60 ha	15 ha	4 ha	-	-	-	
		(NAP)	450 ha	-	100 ha	140 ha	380 ha	600 ha	320 ha	-	-	-	-	-	
		Finance Commission Grant	-	40 ha	28 ha	-	-	48.3 ha	-	-	-	-	-	-	
		CAMPA (State)	-	-	-	-	-	-	90 ha	74 ha	113 ha	45 ha	-	-	
		Other Schemes	-	194 ha	94 ha	-	-	-	65 ha	-	-	-	-	-	
		<b>Sub Total</b>	<b>450 ha</b>	<b>234 ha</b>	<b>222 ha</b>	<b>140 ha</b>	<b>380 ha</b>	<b>724.3 ha</b>	<b>535 ha</b>	<b>89 ha</b>	<b>117 ha</b>	<b>45 ha</b>	-	-	
2.	Social Forestry Division, West Khasi Hills, Nongstoin.	State Plan	-	-	-	-	90 ha	43 ha	-	-	-	-	-		
		NAP	300 ha	900 ha	150 ha	1200 ha	600 ha	522 ha	231 ha	-	-	-	-		
		Finance Commission Grant	-	-	-	-	-	25 ha	-	-	-	-	-		
		CAMPA (State)	-	-	-	-	-	4 ha	-	-	45 ha	-	-		
		Other Schemes	-	-	-	-	-	-	-	-	-	-	-		
		<b>Sub Total</b>	<b>300 ha</b>	<b>900 ha</b>	<b>150 ha</b>	<b>1200 ha</b>	<b>690 ha</b>	<b>594 ha</b>	<b>231 ha</b>	-	-	<b>45 ha</b>	-	-	
3.	Social Forestry Division, Ri- Bhoi, Nongpoh	State Plan	-	-	-	-	130 ha	92 ha	-	-	-	-	-		
		NAP	300 ha	250 ha	150 ha	250 ha	400 ha	280 ha	176 ha	-	-	-	-		
		Finance Commission Grant	32 ha	55 ha	22 ha	-	-	-	49.5 ha	-	-	-	-		
		CAMPA (State)	-	-	-	-	-	-	-	14 ha	-	45 ha	-		
		Other Schemes	101 ha	133 ha	42 ha	116 ha	-	-	25 ha	-	-	-	-		
		<b>Sub Total</b>	<b>380 ha</b>	<b>438 ha</b>	<b>214 ha</b>	<b>366 ha</b>	<b>530 ha</b>	<b>372 ha</b>	<b>250.5 ha</b>	<b>14 ha</b>	-	<b>45 ha</b>	-	-	
4.	Social Forestry Division, Jaintia Hills, Jowai	State Plan	38 ha	-	-	25 ha	150 ha	179 ha	-	10 ha	-	-	-		
		NAP	420 ha	220 ha	-	120 ha	150 ha	250 ha	137 ha	-	-	-	-		
		Finance Commission Grant	30 ha	60 ha	-	-	-	26 ha	-	-	-	-	-		

		CAMPA (State)	-	-	-	-	-	-	-	4 ha	-	-	-
		Other Schemes	180 ha	57 ha	4 ha	57 ha	57 ha	-	50 ha	-	-	-	-
		Sub Total	668 ha	337 ha	4 ha	202 ha	357 ha	455 ha	187 ha	10 ha	4 ha	45 ha	-
5.	Social Forestry Division, East Garo Hills, Williamnagar.	State Plan	-	-	-	-	90 ha	45 ha	-	-	-	-	-
		NAP	500 ha	-	-	750 ha	450 ha	365 ha	207 ha	-	-	-	-
		Finance Commission Grant	-	115 ha	-	-	ha	ha	-	-	-	-	-
		CAMPA (State)	-	-	-	-	-	-	-	4 ha	-	45 ha	-
		Other Schemes	213 ha	93 ha	-	-	-	-	20 ha	-	-	-	-
		Sub Total	713 ha	208 ha	-	750 ha	540 ha	410 ha	227 ha	4 ha	-	45 ha	-
6.	Social Forestry Division, South Garo Hills, Baghmara	State Plan	-	-	-	-	-	120 ha	100 ha	-	-	-	-
		NAP	1000 ha	-	-	400 ha	250 ha	250 ha	52 ha	-	-	-	-
		Finance Commission Grant	-	-	-	-	-	ha	ha	45 ha	-	-	-
		CAMPA (State)	-	-	-	-	-	-	-	4 ha	-	20 ha	-
		Other Schemes	53 ha	133 ha	-	-	30 ha	25 ha	60 ha	-	10 ha	-	-
		Sub Total	1053 ha	133 ha	-	400 ha	280 ha	395 ha	212 ha	49 ha	10 ha	20 ha	-
7.	Social Forestry Division, West Garo Hills, Tura	State Plan	-	-	-	-	-	110 ha	95 ha	-	-	-	-
		NAP	700 ha	200 ha	-	700 ha	500 ha	365 ha	262 ha	-	-	-	-
		Finance Commission Grant	-	-	-	-	-	41.6 ha	ha	-	-	-	-
		CAMPA (State)	-	-	-	-	-	-	-	8.61 ha	-	45 ha	-
		Other Schemes	-	-	-	-	-	-	-	-	10 ha	-	-
		Sub Total	700 ha	200 ha	-	700 ha	500 ha	516.6 ha	357 ha	8.61 ha	10 ha	45 ha	-
Grand Total			4264 ha	2450 ha	590 ha	3758 ha	3277 ha	3466.9 ha	1999.5 ha	174.61 ha	141 ha	290 ha	-
													20411.01 ha

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

### National Afforestation Programme:-

Meghalaya notified the constitution of Forest Development Agency and application of the Joint Forest Management principles on 9<sup>th</sup> Sept 2003. The Forest & Environment Department followed up the said notification and registered 9 FDAs constituted in the seven (7) Social Forestry Divisions, one (1) in Territorial Division (Jaintia Hills Territorial Division) and one (1) in Wildlife Division (Khasi Hills Wildlife Division). The concerned Conservator of Forests (Social Forestry) registered the JFMCs.

These Forest Development Agencies have been constituted for the purpose of implementation of afforestation programme particularly the National Afforestation Programme (NAP). Funds under the NAP are channelized through the Forest Development Agencies. The actual implementation of NAP is done through the Joint Forest Management Committees at the village level. The effective implementation of the JFM programme will go a long way in generating gainful employment opportunities for rural people, reducing the incidence of poverty, and subsequently leading to higher level of income and employment. Hence people's participation is a key to improvement of forest cover and sustainable management of natural resources which is one of the strongest means of development for masses.

During the year 2014-15, proposal submitted was 5395 hectares for Advance works, 3000 ha for creation and 11648 hectares for maintenance in which the MoEF & CC sanctioned only for creation and maintenance. No fund was sanction for Advance works during the year. The amount released was Rs.361 lakhs only out of Rs.500 lakhs being the allocation approved and fixed by MoEF & CC (NAEB).

During the year 2015-16, no proposal under creation was submitted since fund under Advance works was not sanctioned during 2014-15. Only maintenance for 9910 hectares was proposed and sanctioned by MoEF & CC (NAEB) for maintenance of 8482 hectares only. The amount released vide Government of India F.No. MoEF & CC (NAEB) 1-4/205-B-IV, dated 22.03.2016 was Rs. 1,34,98,500/- (Rupees one crore thirty four lakhs ninety eight thousand and five hundred only).

During the year 2016-17, proposal was submitted for 3037 hectares for Advance work and 4552 hectares for maintenance of old plantations. **The MoEF & CC (NAEB) did not sanction any work programme during 2016-17.**

During the year 2017-18, proposal was submitted for 2726 hectares for Advance woks and 1584 hectares for maintenance. The MoEF & CC (NAEB) sanctioned only 1584 hectares for undertaking maintenance works and committed liabilities for 2015-16 (balance amount for maintenance during 2015-16 since 2<sup>nd</sup> instalment was not released during the year). The amount released vide Government of India F.No.MoEF & CC (NAEB): 1-4/2017-B-IV, dated 28.02.2018 was Rs. 1,64,62,000/- (Rupees one crore sixty four lakh and sixty two thousand only). The remaining amount of Rs 73.85 lakhs (Rupees Seventy three lakhs and eighty five thousand) only being pending payments of previous year was released by MoEF & CC vide letter F. No. MoEF & CC (NAEB): 1-4/2018-B-IV, dated 15.11.2018.



The MoEF & CC vide letter No. MoEF & CC (NAEB):25-1-1/99-B-II-Part Dated 01/04/2016 stated that the fund sharing pattern will be Central: State:: 90 : 10 for the North Eastern States. Further, the MoEF & CC vide letter No. MoEF & CC (NAEB):1-2/2017-B-1 Dated 30/01/2018 communicated for merger of NAP under NAEB and Desertification Cell (DC) with National Mission for a Green India (GIM). Annual Plan of Operation for 2018-19 and 2019-20 were also prepared and submitted to NAEB, MoEF & CC but no fund was provided by GOI for Meghalaya.

As on March 2020, there are 9 FDAs in the State; 7(seven) FDAs under Social Forestry Wing, 1(one) FDA under Jaintia Hills Territorial Division and 1(one) FDA under Khasi Hills Wildlife Division. Altogether, there are 366 JFMCs under 9 FDAs implementing the National Afforestation Programme (NAP), as shown below:-

Sl. No.	Name of the FDAs implementing NAP	No. of JFMCs
1.	Jaintia Hills, Social Forestry Division, Forest Development Agency, Jowai.	32 Nos.
2.	East Khasi Hills, Social Forestry Division, Forest Development Agency, Shillong.	48 Nos.
3.	West Khasi Hills, Social Forestry Division, Forest Development Agency, Nongstoin.	53 Nos.
4.	Ri-Bhoi District, Social Forestry Division, Forest Development Agency, Nongpoh.	80 Nos.
5.	East Garo Hills, Social Forestry Division, Forest Development Agency, Williamnagar.	45 Nos.
6.	West Garo Hills, Social Forestry Division, Forest Development Agency, Tura.	44 Nos.
7.	South Garo Hills, Social Forestry Division, Forest Development Agency, Baghmara.	29 Nos.
8.	Jaintia Hills Territorial Division, Forest Development Agency, Jowai.	19 Nos.
9.	Khasi Hills Wildlife Division, Forest Development Agency, Shillong.	16.
	<b>TOTAL</b>	<b>366</b>

Till date, these 366 Joint Forest Management Committees have achieved a Physical feat of treating 30741hectares of area under NAP. Till the end of 2014-15, these 366 numbers of Joint Forest Management Committees were implementing NAP and have cumulatively achieved a total physical target of 30,741hectares, as shown in the table below, FDA - wise.

Sl. No.	FDAs	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	Total
1	JH (SF)	480	420	430	420	220	-	120	150	250	137	2627
2	EKH (SF)	600	400	375	450	-	100	140	380	600	320	3365
3	WKH (SF)	600	500	750	300	900	150	1200	600	522	231	5753



4	RBD (SF)	650	550	650	300	250	150	250	400	280	176	3656
5	EGH (SF)	570	430	500	500	-	-	750	450	365	207	3772
6	WGH (SF)	600	600	550	700	200	-	700	500	365	262	4477
7	SGH (SF)	500	500	500	1000	-	-	400	250	250	52	3452
8	JH(T)	-	-	-	-	-	650	400	-	-	-	1050
9	KH (WL)	-	-	-	-	-	-	840	1200	350	199	2589
<b>TOTAL</b>		<b>4000</b>	<b>3400</b>	<b>3755</b>	<b>3670</b>	<b>1570</b>	<b>1050</b>	<b>4800</b>	<b>3930</b>	<b>2982</b>	<b>1584</b>	<b>30741</b>

Note:-

1.JH(SF)= Jaintia Hills, Social Forestry Division, Forest Development Agency, Jowai.

2.EKH(SF)=East Khasi Hills, Social Forestry Division, Forest Development Agency, Shillong.

3.WKH(SF)=West Khasi Hills, Social Forestry Division, Forest Development Agency, Nongstoin.

4.RBD(SF)=Ri-Bhoi District, Social Forestry Division, Forest Development Agency, Nongpoh.

5.EGH(SF)=East Garo Hills, Social Forestry Division, Forest Development Agency, Williamnagar.

6.WGH(SF)=West Garo Hills, Social Forestry Division, Forest Development Agency, Tura.

7.SGH(SF)=South Garo Hills, Social Forestry Division, Forest Development Agency, Baghmara.

8.JH(T) = Jaintia Hills Territorial Division, Forest Development Agency, Jowai.

9. KH(WL)= Khasi Hills Wildlife Division, Forest Development Agency, Shillong.

Other afforestation programmes with participation of private sectors undertaken by the Forest Department include Schemes sanctioned under Compensatory Afforestation or CAMPA being implemented in the entire state. The last fund from Finance Commission Grant released to Forest & Environment Department, Meghalaya was during 2014-15. From the year 2015-16 onwards **no fund** under Finance Commission Grant was released for creation and maintenance of plantations to the State Forest & Environment Department, Meghalaya.

Since no fund was provided under NAP, Green India Mission (GIM) and FC Grant/Award for raising plantation for the last few years, hence, CAMPA fund is the only source of fund for undertaking forestry related activities including CA (non-NPV) and NPV activities in the State.

## CLIMATE CHANGE, RESEARCH & TRAINING WING

The Research & Training Wing of the Department which has been rechristened as Climate Change, Research & Training after the addition of the Climate Change subject to its sphere of responsibilities, is basically arm of the Department addressing matters of Forestry research, Forest resource assessment, capacity building and climate change. There are five divisions under the jurisdiction of the wing viz Working Plan Division, Silviculture Division, Training Division, Forest Utilization Division and Forest Resources Survey Division. The wing is headed by the Principal Chief Conservator of Forests (CC, R & T) who is assisted by the Additional Principal Chief Conservator of Forests (CC, R & T), Conservator of Forests (CC, R & T) and the Deputy Conservator of Forests in the Head Quarter and the Divisional Forests Officers at the Divisional level. Each Division are mandated with the following works: -

### 1. Working Plan Division:

- (i) To write the working plans for all the Reserve Forests and the Protected forests for their scientific management.
- (ii) To write and prepare the working schemes for all the community, privately owned forests and the forests under the jurisdiction and management of the Autonomous District Councils.

### 2. Silviculture Division:

- (i) To take up scientific studies of the endemic plants, endangered species of flora for their scientific management.
- (ii) Taking up propagation of plants through Tissue culture laboratory, High tech plant nurseries and prepare protocols on the methodology for raising nursery and plantations.
- (iii) Documentation and Publication of books on specific plant species, their propagation and scientific silvicultural operation.
- (iv) To identify areas for establishment of seed orchards and plus trees,

### 3 Training Division:

This Division caters to the need of imparting Training of Field Staff of the rank of Forester and Forest Guard on Forest Management, Wildlife Management and Nursery Techniques at Meghalaya Forest Training School, Williamnagar, Baiza. The certificate course is of 1(one) year duration. This division also undertake the short-term training to the Ministerial staff, Forest Guards, Forester & Range Forest Officer on various aspects.

## **Functions of Training Division**

The Training Division headed by the Divisional Forest Officer at Shillong is mandated with: -

- (i) Supervising the Meghalaya Forests Training School Baiza in imparting Professional Training in Forestry and allied subjects to the Forester and Forest Guards in the State.
- (ii) Conducting Short term Training courses for Ministerial staff on Forests accounts, establishment matter, Office procedure etc.
- (iii) Conducting Short term Training courses for Frontline staff on GPS, Enforcement of Acts and Rules, Forests Fire control, Nursery techniques etc.
- (iv) Conducting Refresher Training courses for Forest Officials.
- (v) Coordinating the visit of batches of IFS (Probationers), MCT Batches, Trainees of State Forest Academy and Central Forest Academy to the State.
- (vi) Coordinating the attachment of B.Sc. Forestry students from various Universities in State Forest Department.
- (vii) Any other works assigned by higher authority.

### **4. Forest Utilization Division:**

This division was mandated to regulate sale and transportation of Railway sleepers in the past. However, now that railway sleeper project is no longer in operation, the Division is taking up other works like raising of Bamboo plantations etc

### **5. Forest Resources Survey Division:**

This division is mandated to take up boundary survey, growing stock estimation and enumeration of plant species in the sacred groves of Meghalaya. It is also mandated to take up survey of trade of Minor forest produce and other forest resources in the state.

(d) Year wise total forest area diverted in the various districts/ forest divisions of the State since 1980, in tabular form

**Forest area diverted in the various districts/ forest divisions of the state since 1980**

Sl. No	Proposal No	Proposal Name	Category	Area Applied	Date of Final Approval	Status
1	Fp/Ml/Others/14/1981	Construction of Building for Baghmara Hq	Others	140	14-05-1982	Approved
2	Fp/Ml/Water/117/1982	Laying of Pipe Line for Drinking Water Supply Scheme	Drinking Water	0.57	31-01-1983	Approved
3	Fp/Ml/Road/114/1982	Const. of Sonapur Banghat Road	Road	27.75	12-05-1983	Approved
4	Fp/Ml/Road/115/1982	Sonapur - Borghat Road by Crpf	Road	23.75	12-05-1983	Approved
5	Fp/Ml/Water/245/1987	Tapping of Spring for Lumiablot Village	Drinking Water	0.057	27-07-1984	Approved
6	Fp/Ml/Def/542/1984	Construction of Torpo Communication Station by Repo	Defence	4.8	15-11-1984	Approved
7	Fp/Ml/Water/164/1985	Laying of Pipe Line for Supply of Drinking Water	Drinking Water	0.1725	27-10-1986	Approved
8	Fp/Ml/Water/407/1983	Laying of Pipe Line for Water Supply Scheme	Drinking Water	0.18	29-10-1986	Approved
9	Fp/Ml/Water/232/1985	Laying of Pipe Line for Drinking Water Supply	Drinking Water	0.09	29-10-1986	Approved
10	Fp/Ml/Water/320/1985	Laying of Pipe Line for Supply of Drinking Water	Drinking Water	0.042	29-10-1986	Approved
11	Fp/Ml/Water/246/1987	Tapping of Springs in Laitkor Forest for Drinking Water to Villages	Drinking Water	0.04	27-07-1988	Approved
12	Fp/Ml/Water/256/1988	Laying of Pipe Line from Upper Shillong to Malki for Drinking Water Supply	Drinking Water	0.46	10-01-1989	Approved
13	Fp/Ml/Road/440/1989	Construction of Approach Road to Mangpiua Village	Road	0.06	12-06-1989	Approved
14	Fp/Ml/Others/381/1989	Construction of Water Treatment Plant	Others	0.154	20-07-1989	Approved
15	Fp/Ml/Irrig/425/1989	Construction of Water Reservoir	Irrigation	0.1108	10-11-1989	Approved
16	Fp/Ml/Others/244/1990	Proposal for Construction of Sump in Malki Forest Block.	Others	0.0122	01-01-1990	Approved
17	Fp/Ml/Water/1/1990	Permission for Drawing Wing L.T. Line to Phe Reservoir Mawroh	Drinking Water	0.02	13-03-1990	Approved
18	Fp/Ml/Others/369/1990	Diversion Of Land Historical Site Located at Sisabibra Range to Togan Memorial Association	Others	0.978	25-06-1990	Approved
19	Fp/Ml/Trans/368/1990	Proposal For Construction of Works Of 33 Kv.Dc/ Line From Mawprem To Nongthymmai Via Lawsohtun.	Transmission Line	0.33	24-07-1990	Approved
20	Fp/Ml/Water/370/1990	Proposal For Diversion of Forest Land for Non-Forest Purpose Construction Of R.C.C Reservoir at Mawiong.	Drinking Water	0.00624	27-07-1990	Approved

21	Fp/Ml/Water/371/1990	Const. Of Water Reservoir and Laying of Pipeline for The Tynring Water Supply	Drinking Water	0.00902	27-07-1990	Approved
22	Fp/Ml/Water/366/1990	Laying Of Pipeline from Laitkor Protected Forest C/5 And Const. Of 3 Reservoirs	Drinking Water	0.61	31-07-1990	Approved
23	Fp/Ml/Water/2/1990	Proposal For Diversion Of 0.0282 Ha of Forest Land for Laying Pipe Line For Water Supply To Madonna Convent Upper Shillong.	Drinking Water	0.0282	24-08-1990	Approved
24	Fp/Ml/Trans/216/1991	Drawal Of 132 Kv Line Through Narpur Reserve Forest Block I	Transmission Line	0.35	23-07-1991	Approved
	Fp/Ml/Water/420/1991	Proposal For Diversion Of 0.1805 Ha of Forest Land for Laying of Gravity Feeder Main Upper Malki Towards Upper Nongthymmai And Construction Of Rcc Storage Nongthymmai Under The G.S.W.S.S.	Drinking Water	0.1905	10-12-1991	Approved
25	Fp/Ml/Road/419/1991	Prosposal For Construction of Internal Motorable Road To 5th Mile Upper Shillong.	Road	0.827	24-12-1991	Approved
26	Fp/Ml/Water/417/1993	Diversion Of 0.1 Ha of Forest Land for Water Supply to Doordarshan	Drinking Water	0.1	21-04-1993	Approved
27	Fp/Ml/Road/187/1994	Const. And Improvement of Road in Nongmali Phudmawri	Road	0.572	25-01-1994	Approved
28	Fp/Ml/Trans/188/1994	Laying Of 132 Kv Tr. Line from Khliehriat to Badarpur in Jaintia Hills District.	Transmission Line	16.2	11-08-1994	Approved
29	Fp/Ml/Water/180/1995	Sharing Of Forest Land to PHE Department at Mawiong	Drinking Water	0.429	14-08-1995	Approved
30	Fp/Ml/Def/243/1995	Permission For Const. of Indo-Bangladesh Border Fencing Inside Angratoli Reserve Forests	Defence	3.3089	16-08-1995	Approved
31	Fp/Ml/Others/281/1996	Diversion Of 0.2 Ha for Burial Ground to Riatsamthiah	Others	0.2	20-03-1996	Approved
32	Fp/Ml/Trans/238/1996	Installation Of Transformer at Laitkor Protected Forest	Transmission Line	0.1	04-05-1996	Approved
33	Fp/Ml/Trans/390/1998	Diversion Of 0.0025 Ha of Forest Land for Installation of Sub-Station (11/4 Kv By MeSEB)	Transmission Line	0.0025	01-04-1998	Approved
34	Fp/Ml/Water/309/1998	Diversion Of 0.4390 Ha of Forest Land for Laying of PHE Pipeline Water Scheme	Drinking Water	0.4329	15-09-1998	Approved
35	Fp/Ml/Trans/393/1999	Diversion Of 0.001 Ha of Forest Land for Const. of 11/04 Kv 250 Kv At Mawpun	Transmission Line	0.0016	17-05-1999	Approved
36	Fp/Ml/Water/355/1999	Diversion Of 0.4 of Forest Land for Const. of Zonal Water Reservoir In Rongengiri	Drinking Water	0.04	19-05-1999	Approved
37	Fp/Ml/Road/331/1999	Proposal For Construction of Short Cut Road From Pynthor To MPRO Quarters At GolfinkShillong.	Road	0.1068	17-06-1999	Approved



38	Fp/Ml/Trans/392/1999	132 Kv D/C Tr. Line From Stage Iv Power Station To Sarusajai (Assam) By MeSEB	Transmission Line	3.5	06-08-1999	Approved
39	Fp/Ml/Road/327/1999	Const. Including Metalling And Black Topping Of Approach Road To Malki Presbyterian Church	Road	0.1004	20-08-1999	Approved
40	Fp/Ml/Trans/345/1999	Const. Of 33 Kv and Tr. Line from Rilbong Dhobighat to Nongthymmai	Transmission Line	0.48	05-10-1999	Approved
41	Fp/Ml/Others/344/1999	Const. of Telephone Exchange and Staff Quarter at Chimabangshi Reserve Forests.	Others	0.3	25-11-1999	Approved
42	Fp/Ml/Water/326/1998	Proposal For Diversion of 29.65 of Forest Land for Construction of Dam Across Umiew River for Drinking Water Supply Scheme in Meghalaya.	Drinking Water	29.65	26-12-1999	Approved
43	Fp/Ml/Water/407/2000	Const. of Slows and Filter Reservoir at Lumiablot Lawjynrew Under East Khasi Hills	Drinking Water	0.04	01-01-2000	Approved
44	Fp/Ml/Water/408/2000	Permission of Laying of Pipeline from Lumpdeng Water Supply Scheme	Drinking Water	0.0144	13-03-2000	Approved
45	Fp/Ml/Trans/439/2000	Installation of 33 KV Double Circuit Line from Mawlai Umshyngiar to NEHU Sub-Station	Transmission Line	0.375	24-03-2000	Approved
46	Fp/Ml/Water/406/2000	Permission For Tapping of Water and Laying of Pipeline for Nongkseh Water Supply Scheme	Drinking Water	0.0195	19-07-2000	Approved
47	Fp/Ml/Water/405/2000	Permission For Tapping of Water and Laying of Pipeline to St Gabriel School	Drinking Water	0.0086	08-08-2000	Approved
48	Fp/Ml/Water/404/2000	Permission for Tapping of Water and Laying of Pipeline from Wah Risa to Woodland Hospital	Drinking Water	0.0038	22-08-2000	Approved
49	Fp/Ml/Others/394/2000	Const. of Neurological Centre and Mental Health Centre at Pasture Hills.	Others	0.99	31-10-2000	Approved
50	Fp/Ml/Others/392/2000	Const. of Building for The North East Indira Gandhi Regional Institute (Neigrims)	Others	18	01-11-2000	Approved
51	Fp/Ml/Others/401/2001	Permission For Felling of Trees at NEHU Campus Umshing Mawkynroh for Const. of Teachers Quarter	Others	0.28	23-01-2001	Approved
52	Fp/Ml/Road/379/2001	Permission For Improvement And Widening of Lumparing Road And Diversion of PWD Road at Mynsain	Road	0.28473 3	26-02-2001	Approved
53	Fp/Ml/Others/400/2001	Proposal For Permission for Felling of Tress for The Purpose of Construction of Library Building In N.E.H.U Permanent Campus.	Others	0.12	13-03-2001	Approved



54	Fp/MI/Others/398/2001	Const. Of Retaining Wall for the Proposed Sweeper Housing at European Ward Shillong	Others	0.67	03-04-2001	Approved
55	Fp/MI/Water/380/2001	Permission For Improvement and Widening of Lumparing Road and Diversion of PWD Road At Mynsain	Drinking Water	0.013	04-04-2001	Approved
56	Fp/MI/Trans/399/2001	132 Kv Power Tr. Line At Nongpyndeng in Nongstoin, West Khasi Hills, Meghalaya	Transmission Line	0.81	11-04-2001	Approved
57	Fp/MI/Others/397/2001	Const. of Additional Floor For Life Science Building At Permanent Campus NEHU	Others	0.176	13-09-2001	Approved
58	Fp/MI/Water/414/2001	Const. of Water Treatment Plan at Balupara Tura Park Reserve Forest	Drinking Water	0.0225	17-09-2001	Approved
59	Fp/MI/Others/480/2001	Industrial Estate Khliehriat, Ryrshi, Jowai for Const. of Cold Storage Plant	Others	0.8	20-09-2001	Approved
60	Fp/MI/Water/415/2001	Proposal For Diversion of 0.12 Ha of Forest Land for The Construction of Water Intake and Laying of Pipe Line For Sohlaper Combined Water Supply Scheme.	Drinking Water	0.12	05-11-2001	Approved
61	Fp/MI/Others/351/2002	Const. of A Building For Consumer Co-Operative Store of 5th Mile, Upper Shillong Fueline.	Others	0.037	07-02-2002	Approved
62	Fp/MI/Water/406/2002	Requirement of A Plot of Land at Malki Forest Near The Road Leading to PHE Pump House	Drinking Water	0.0016	07-02-2002	Approved
63	Fp/MI/Others/435/2002	Renewal of Lease of 65.250 Sq Ft 0.60 Ha for Burial Ground for Malki Catholic Church	Others	0.6	07-02-2002	Approved
64	Fp/MI/Others/434/2002	Proposal For Setting Up of Infrastructure In And Around The Area of Elephant Falls, Upper Shillong	Others	0.2816	20-02-2002	Approved
65	Fp/MI/Road/335/2002	Cosnt. of Approach Road Across Forest Land To The Water Treatment Site at Mawiong	Road	0.025	08-03-2002	Approved
66	Fp/MI/Others/431/2002	Diversion of 0.15 Ha of Forest Land For Setting Up of M/S Manrob Sawmill at Ummulong	Others	0.15	08-03-2002	Approved
67	Fp/MI/Others/349/2002	Renewal of Lease For Lumparing Vidya pith in Laitkor Forest Compt No. 1	Others	0.14	11-04-2002	Approved
68	Fp/MI/Others/350/2002	Proposal For Renewal of Lease For Lumparing Nepali M.E School In Laitkor Forest Compartment No.1 0.09 Ha (10000 Sq.Ft)	Others	0.09	11-04-2002	Approved
69	Fp/MI/Water/365/2002	Permission For Laying Pipeline Under GSWs Scheme For Supplying Water.	Drinking Water	0.22	26-04-2002	Approved

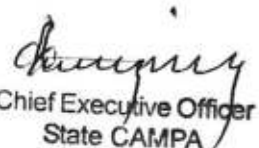
70	Fp/MI/Others/429/2002	Const. of Dustbin At Wahingdoh	Others	0.01	21-05-2002	Approved
71	Fp/MI/Water/364/2002	Const. of RCC Drinking Water Reservoir at the Plot of State Reserve Forest at Mawlai	Drinking Water	0.0045	24-05-2002	Approved
72	Fp/MI/Sch/593/2003	Construction of Jowai Polytechnic at Kiangnongbah College Campus	School	0.48	05-05-2003	Approved
73	Fp/MI/Trans/592/2003	33kv Double Circuit to NEHU 3/5 On Meter Factory	Transmission Line	2.6	15-07-2003	Approved
74	Fp/MI/Water/605/2003	Installation of Zonal Tank	Drinking Water	0.0072	10-03-2004	Approved
75	Fp/MI/Others/736/2004	Permission For Laying of G.S.W.S Water Pipe Line Under G.S.W.S Scheme Through Forest Land for Supplying Water to Various Localities.	Others	0.08	10-03-2004	Approved
76	Fp/MI/Hyd/447/2000	Proposal For Diversion of 99.00 Ha of Forest Land for Myndtu (Leshka) Hydroelectric Project in Jaintia Hills District of Meghalaya in Favour of M/S Meghalaya State Electricity Board.	Hydel	102	06-05-2004	Approved
77	Fp/MI/Others/801/2004	Protection of Monolith at Sanmer Upper Shillong Under the Heritage Protection Scheme of The Eleventh Finance Commission.	Others	0.018	27-06-2005	Approved
78	Fp/MI/Others/2461/2006	Proposal For Diversion of 0.32 Ha of Forest Land for Graveyard to St. Joseph's Parish Mawkhar.	Others	0.32	03-11-2006	Approved
79	Fp/MI/Others/1727/2005	Construction of Dustbin on Vacant Area in Malki	Others	0.0009	21-01-2008	Approved
80	Fp/MI/Trans/1877/2008	Proposal For Forest Clearance for Diversion of 1.20 Ha of Forest Land for Construction of 132 Kv D/C Line From Stage-I Power House Sumer to Mawngap.	Transmission Line	1.2	20-02-2008	Approved
81	Fp/MI/Others/2171/2007	Proposal for Diversion of 0.040 Ha for Construction of a Footbridge Over Lukha River Within Narpuh Reserved Forest Block-II For Pedestrians to Shymplong Village in Jaintia Hills District, Meghalaya.	Others	0.04	29-02-2008	Approved
82	Fp/MI/Water/1875/2008	Proposal For Diversion of 0.00048 Ha of Forest Land for Installation of Transformer and Erection of Poles for Ryngi Jynriew Water Supply Scheme.	Drinking Water	0.00048	14-08-2008	Approved

83	Fp/Ml/Sch/1876/2008	Proposal For Diversion of 0.6286 Ha of Forest Land for Construction of Building Including Hostel for Boys and Girls By S.A.I, Stc Centre Building at NEHU.	School	0.6286	05-09-2008	Approved
84	Fp/Ml/Others/2170/2007	Proposal For Diversion of 0.096 Ha For Construction of Quinine Motorable Bridge Towards Nongmawlong Under Umsaw Government Reserved Forest.	Others	0.096	30-09-2008	Approved
85	Fp/Ml/Road/2172/2007	Proposal For Diversion of 0.046 Ha of Forest Land for Widening of Road From 7th K.M. of NH 40 To 4 1/2 Mile Village.	Road	0.046	30-09-2008	Approved
86	Fp/Ml/Others/1874/2008	Proposal For Diversion of 0.161 Ha of Forest Land for Burial Ground to World Victory Church, Jaiaw.	Others	0.161	13-02-2009	Approved
87	Fp/Ml/Road/2460/2006	Proposal For Diversion of 0.4425 Ha of Forest Land for Construction of Link Road Between Ratacherra Bop of BSF and The Proposed Border Fencing Cum Patrol Road Along the Indo-Bangladesh International Border Within the Narpuh Reserve Forest Block-II.	Road	0.4425	20-02-2009	Approved
88	Fp/Ml/Others/1638/2009	Proposal For Diversion of 4.27 Ha of Forest Land for Construction of Football, Athletic, Hockey and Archery Grounds Including Roads.	Others	4.27	18-05-2009	Approved
89	Fp/Ml/Others/353/2002	Proposal of 300 Sq. Mt of Forest Land for Renewal of Lease in the Allotment Plot at Compartment No.6 In Upper Shillong to Jingiaseng Dong Sanmer of Mawklot Presbyterian Church, Upper Shillong.	Others	0.03	09-02-2011	Approved
90	Fp/Ml/Road/1866/2011	Proposal For Diversion of 0.1312 Ha of Forest Land for Construction of Buildings and Roads of IGNOU Regional Centre at NEHU Campus, Shillong.	Road	0.1312	17-03-2011	Approved
91	Fp/Ml/Others/1816/2010	Construction of Sanitary System For Disposal of Shillong City Garbage	Others	7.28	21-11-2011	Approved
92	Fp/Ml/Min/1038/2007	Diversion of Forest Land for Lime Stone Mining & Other Ancillary Activities in favour of Lafarge Umiam Mining Private Limited (Lumpl)	Mining	116.589	29-02-2012	Approved

93	Fp/ML/Trans/729/2008	Diversion of Forest Land for Construction of 400 Kv D/C Line from Pallatana Tripura to Bongaigaon, Assam Under Meghalaya Forest	Transmission Line	114.0156	30-04-2012	Approved
94	Fp/ML/Road/1584/2011	Proposal For Diversion of 0.975 Ha of Forest Land for Construction of 4-Lanning Road from Submitted by General Manager Cum Project, NHAI, Piu, Eastern Circle Building, Lower Lachumiere, Shillong, East Khasi Hills District, Meghalaya	Road	0.975	04-04-2013	Approved
95	Fp/ML/Min/2264/2011	Diversion of 138.114 Ha. of Deemed Forest Land For Mining of Limestone In Block-V of M/S Adhunik Cement Limited, Thangskai Village, District-Jaintia Hills, Meghalaya.	Mining	147.85	11-03-2015	Approved
96	Fp/ML/Min/4945/2013	Diversion of Deemed Private Forest Land 4.82 Hectares for Mining & Allied Activity	Mining	4.82	11-01-2017	Approved
97	Fp/ML/Others/2173/2007	Proposal for Diversion of 0.0237 Ha of Forest Land for Construction of Public Weir with Foot Path at 4th mile, Upper Shillong allotted to the Dorbar Shnong Sawmer for Public Uses.	Others	0.0237	07-02-2020	Approved
98	Fp/ML/Others/2174/2007	Proposal For Diversion of 0.007 Ha of Forest Land for Construction of Public Dustbin with Footpath at 4th Mile Upper Shillong allotted to the Dorbar Shnong Sawmer for Public Uses.	Others	0.007	07-02-2020	Approved
99	F. No 3MGB058/2012-SHI/6643-44	Diversion of deemed forest land for mining, Block-I of M/s Adhunik Cement Ltd.	Mining	4.9	05.03.2014	Approved
100	F. No 3 -MGB050/2012-SHI/	Diversion of deemed forest land for mining, Block-II of M/s Adhunik Cement Ltd.	Mining	4.9	05.03.2014	Approved
101	F. No 3 -MGB059/2012-SHI/	Diversion of deemed forest land for mining, Block-III of M/s Adhunik Cement Ltd.	Mining	4.9	05.03.2014	Approved
102	F. No 3 -MGB051/2012-SHI/	Diversion of deemed forest land for mining, Block-IV of M/s Adhunik Cement Ltd.	Mining	4.9	05.03.2014	Approved
103	No.3MGB-021/2013-SHI	Diversion of forest land for Prospecting operation of lime stone mining of M/s Green Valliey Industries Ltd.	Mining	0.44	06.02.2018	Approved
104	FP/ML/DEF/21296/2016	Diversion of 0.971 ha. of Forest land for establishment of BoP at Fakirkona	Defence	0.971	13.09.2017	Approved


105	FP/ML/WATER/19933/2016	Diversion of 0.269 ha of forest land for construction of 4 Nos., RCC Reservoirs for drinking water supply.	Water	0.269	23.03.2017	Approved
106	FP/ML/DEF/21512/2016	Diversion of 42.403 ha of forest land for construction of Indo-Bangladesh Border Road from Boundary Pillar No.1301 to Boundary Pillar No.1316 in East Jaintia Hills District, Meghalaya by the NBCC Limited.	Defence	42.403	31.07.2017	Approved
107	FP/ML/WATER/35949/2018	Diversion of 0.296 ha of forest land for construction of 2(two) Nos. RCC Water Reservoirs for drinking water supply by the PHE Department.	Water	0.296	21.12.2018	Approved
108	FP/ML/OTHERS/26373/2017	Diversion of 0.2052 ha. of forest land of Dribru R/F West Garo Hills for laying of Optical Fibre Cable by the Reliance Jio Limited.	Others	0.2052	11.08.2017	Approved
109	FP/ML/OTHERS/3039/2017	Diversion of 0.006 ha. of Forest Land at Short Round P/F near FCI Godown for construction of Public Toilet.	Others	0.006	04.06.2020	Approved
110	FP/ML/OFC/50391/2020	Optical Fibre Cable laying from Samanda to Nengkhra via Williamnagar through Rongrenngre RF	OFC	0.333	21.09.2020	Approved
111	FP/ML/OFC/51000/2020	Optical Fibre Cable laying Nengkhra-Rongjeng through Dariggir RF from Samanda to Asanang	OFC	0.150	21.09.2020	Approved
			<b>Total</b>	<b>850.214 235</b>		

Compensatory Afforestation carried out in the State: 593.55 hectares

  
Chief Executive Officer  
State CAMPA  
Meghalaya

(e) Year wise total compensatory afforestation carried out in the State since 1980, in tabular form.

Sl. No.	Year	Compensatory Afforestation (in ha.)	Remarks
1	1980-2010	256.42	CA plantations carried out vide letter No.MFG.1/31/IV/95 dated Shillong, the 29th January, 2001 by Nodal Officer, FC Act 1980
2	2011-12	Nil	
3	2012-13	220.64	
4	2013-14	26.00	
5	2014-15	47.80	
6	2015-16	17.00	
7	2016-17	Nil	
8	2017-18	Nil	
9	2018-19	Nil	
10	2019-20	Nil	
11	2020-21	25.69	
12	2021-22	Nil	290.422 ha of CA proposed. However, sanctioned amount is yet to be released by the State Government.
	<b>Total</b>	<b>593.55</b>	

  
 Chief Executive Officer  
 State CAMPA  
 Meghalaya



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GOVERNMENT OF MEGHALAYA  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS:::  
MEGHALAYA::SHILLONG:

NO.MFG.1/31/IV/95

dated Shillong, the 29<sup>th</sup> January, 2001

From : The Nodal Officer,  
Forest Conservator Act 1980,  
Meghalaya, Shillong.


To,  
  
The Deputy Conservator of Forests(C)  
Ministry of Environment and Forests  
North Eastern Regional Office  
Upland Road, Laitumkhrak,  
Shillong - 793003.

Subj : Quarterly Progress Report for compensatory  
Afforestation under Forest Conservation  
Act 1980 for the quarter ending June 2000  
to December, 2000.

Sir,

In inviting a reference to the subject  
cited above I am furnishing herewith the Quarterly Pro-  
gress Report for the quarter ending June, 2000 to December,  
2000 for your information and necessary action.

Yours faithfully,

  
Nodal Officer,  
Forest Conservation Act 1980,  
Meghalaya, Shillong.

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Ministry of Environment & Forests  
Regional Office Head Sector, Monitoring Report  
Diversification of Forest Area Progress of Compensatory Afforestation under Forest Conservation Act, 1980  
Progress Report for the quarter ending June, 2000 to December, 2000.

Sl. No.	Name of the Project.	Govt. of India release Order No. & Date.	Year	Name of the Project.	Location	Forest area diverted	Stipulated Compensatory afforestation.			Financial amount to be deposited by user agency.	Implementation of Afforestation on Forest Land.	Implementation of Afforestation on Non-Forest Land.			Balance area			Remarks	
							on Forest land	on Non-Forest land	Total			Amount	To be afforested on Forest area.	On Non-Forest land.	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Construction of Office complex at Baghmara.	S-89/81-FRY (Con) Dt.14.5.82	1982-83	-	Baghmara R.P. Baghmara District.	140 ha.	Nil	240 ha.			240	240						Nil	Area declared Reserved Forest vide Notification No.FCR, 118/92/38-A, dt.24.1.95.
2.	Construction of Sonapur Borghat Road.	S-482/82/FRY (Con) Dt.12.5.83	1983-84	-	Jaintia Hills District.	27.75ha.	Planting of trees on both side of that road			2.4km	2.4km								Legal status of land remain unchanged planting of trees on both sides of the road only for 2.4km the condition not taken up since the area is fully forested on both sides of the road.
3.	Laying of pipe line for Shillong water supply Scheme.	4-480/82/FRY (Con) Dt.31.1.83	1983-84	-	Greater Shillong East Khasi Hills.	0.57ha.	Nil	Nil	Nil		Nil								No condition laid down.
4.	Transfer of 4.8ha. of Protected Forests Land for installation of tropo communication station by Defence Authority.	S-212/84/FRY (Con) Dt.15.11.84	1984-85	-	Leithor Protected Forest E.Khasi Hills Dist.	4.8ha.	Nil	4.8ha.	80,600		10ha.	10ha.						Nil.	Afforestation taken up on forest land since the Organisation could not provide Land
5.	Laying of Pipe line for Nongkseh water supply Scheme.	S-351/85/FRY (Con) Dt.27.10.86	1986-87	-	Upper Shillong Reserve Forest E.Khasi Hills Dist.	0.1725ha.					Nil	Nil						Nil.	Legal status of Land remain unchanged
6.	Laying of Pipe line for drinking water at Upper Shillong Nongkseh Lum-Nambah.	S-199/85/FRY (Con) Dt.29.10.86	1986-87	-	-do-	0.042ha					Nil	Nil						Nil	Legal status of land remain unchanged
7.	Tapping of Spring for Lumichlot Village.	S-209/87/FC Dt.27.7.88	1988-89	-	Leithor Protected Forest E.Khasi Hills District.	0.057ha	Nil	Nil	Nil		Nil	Nil						Nil.	Legal status of land remain unchanged
8.	Laying of pipe line and construction of water reservoir 3rd mile Upp. Shillong.	S-257/89/FC Dt.10.11.89	1989-90	-	Upp. Shillong Reserve Forests.	0.1108ha.	Nil	Nil	Nil		Nil	Nil						Nil	Legal status of land remain unchanged
9.	Construction of water treatment plant for Lum-Nambah village water supply.	S-317/89/FC Dt.20.7.89	1989-90	-	Upp. Shillong Reserve Forest E. Khasi Hills District.	0.154ha.	Nil	Nil	Nil		Nil								
10.	Construction of road to Nongpiur Village.	S-242/89/FC Dt.12.6.89	1989-90	-	Upp. Shillong Reserve Forest East Khasi Hills District.	0.06ha.	Planting of trees on both sides of the road.				Nil							Nil	Legal status of land remain unchanged



- (f) Brief description and abstract of the monitoring work done by the Monitoring and Evaluation Wing of the State Forest Department.
- (g) Brief description and abstract of the monitoring work done by the independent monitor (Third Party Monitoring) in the State.

Sl. No	Year	Remarks
1	2011-12	Monitoring and Evaluation for Annual Plan of Operation (APOs) 2011-2014 has been carried out by Rain Forest Research Institute, Indian Council of Forestry Research & Education, Assam, Jorhat. (Copy Enclosed as Annexure I)
2	2012-13	
3	2013-14	
4	2014-15	Monitoring and Evaluation for Annual Plan of Operation (APOs) 2014-2017 will be carried out by Rain Forest Research Institute, Indian Council of Forestry Research & Education, Assam, Jorhat. (Copy Enclosed as Annexure II)
5	2015-16	
6	2016-17	
7	2017-18	
8	2018-19	
9	2019-20	
10	2020-21	Monitoring and Evaluation for Annual Plan of Operation (APOs) 2020-2021 will be carried out by Rain Forest Research Institute, Indian Council of Forestry Research & Education, Assam, Jorhat. (Copy Enclosed as Annexure II)

  
 Chief Executive Officer  
 State CAMFA  
 Meghalaya



# Monitoring and Evaluation Report of CAMPA Activities in Meghalaya

[2011-12, 2012-13 & 2013-14]



2019

**RAIN FOREST RESEARCH INSTITUTE**  
**Indian Council of Forestry Research & Education**  
(An Autonomous body of Ministry of Environment, Forest & Climate  
Change, Govt. of India)  
**Jorhat, Assam**





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## Abbreviations

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ANR	:	Aided Natural Regeneration
AR	:	Artificial Regeneration
CAMPA	:	Compensatory Afforestation Fund Management and Planning Authority
CA	:	Compensatory Afforestation
CCF	:	Chief Conservator of Forests
CCR	:	Community Conservation Reserve
CFO	:	Chief Forest Officer
DFO	:	Divisional Forest Officer
FDA	:	Forest Development Agency
JFMC	:	Joint Forest Management Committee
NPV	:	Net Present Value
PCCF	:	Principal Chief Conservator of Forests
RCC	:	Reinforced Cement Concrete
RF	:	Reserve Forest
RFO	:	Range Forest Officer
RFRI	:	Rain Forest Research Institute



## वर्षा वन अनुसंधान संस्थान

भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्

(पर्यावरण, वन जलवायु परिवर्तन मंत्रालय, भारत सरकार के अधीन एक स्वायत्त परिषद्)

पोस्ट बॉक्स नं. 136, जोरहाट – 785001, असम।

### **RAIN FOREST RESEARCH INSTITUTE**

*Indian Council of Forestry Research & Education*

(An Autonomous body of Ministry of Environment, Forests & Climate Change, Govt. of India)

Post Box No. 136, Jorhat- 785001, Assam

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### **Acknowledgement**

We thank the Principal Chief Conservator of Forests and Head of Forest Force, Forest Department, Government of Meghalaya for giving us the task of evaluating the CAMPA activities in Meghalaya implemented during 2011-12, 2012-13 & 2013-14. The evaluation was facilitated with necessary logistics and information in the field, by the Divisional Forest Officers, Range Forest Officers and Field Staff of respective CAMPA activity zones for which we extend our gratitude. Without the wholehearted support and cooperation from the field this evaluation would not have been possible. We look forward to more of such opportunities in the coming days.

(Dr. R. S. C. Jayaraj)

Director

## Executive Summary

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### Background

In order to compensate loss for the tangible as well as intangible benefits of the forest land which needs diversion for non-forest use, the Hon'ble Supreme Court of India directed the creation of a 'Compensatory Afforestation Fund' (CAF) in which all the funds received from the user agencies would be deposited for carrying out compensatory afforestation and allied activities such as catchment area treatment, improvement of biodiversity values, wildlife corridor management etc. This fund is to be managed by the Compensatory Afforestation Fund Management and Planning Authority (CAMPA).

In compliance of para 17 (1) of the guidelines for state CAMPA dated 02/07/2009 issued by the Ministry of Environment, Forest and Climate Change, concurrent monitoring and evaluation of the works implemented in the State utilizing the funds available from CAMPA is to be done by an independent Evaluator to ensure effective and proper utilization of funds. The Nodal Officer State CAMPA, entrusted the RFRI, Jorhat to undertake Monitoring and Evaluation of plantation works in the State implemented utilizing funds from CAMPA during the years 2011-12, 2012-13 and 2013-14. Accordingly Monitoring and Evaluation work was carried out covering 96.5 ha plantation areas for the year 2011-12, 471.04 ha of plantation for 2012-13 and 100 ha of plantation for the year 2013-14.

### M&E Methodology

The present monitoring and assessment report is an attempt to carry out performance evaluation of the CAMPA activities undertaken by Meghalaya State Forest Department with the following objectives:

- i. Monitoring and Evaluation of plantations and asset created during 2011-12, 2012-13 & 2013-14
- ii. Development of key performance indicators and finalization of the same in consultation with CAMPA authority
- iii. Data collection and collation
- iv. Carrying out comprehensive outcome focused impact evaluation of the schemes.

The assessment was carried out through several **verifiable performance indicators** appropriate for the particular activity with a view to assess their effectiveness in obtaining the aims and objectives of CAMPA. These performance indicators were developed in such a way that it can also analyze the comprehensive output/outcome based impacts of State CAMPA activities. During field evaluation, teams visited all 3 zones covering all the afforestation areas, site-specific plantations, roadside and urban forestry plantations, etc. Health and survival of plantations were monitored. Nurseries created under CAMPA were also visited and physically verified. Construction and repair work under civil work were also visited and



all the work done for repair and construction was monitored according to the proposal of the same.

A six point rating system was adopted to rank the CAMPA plantations in each of the divisions taking into consideration the site conditions, survival percentage and other quality parameters like growth of the seedlings, preference of local species, etc. For different plantations, different site conditions were considered to rank the plantations. Over all the plantations were ranked as '**Satisfactory**'.

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## **1. Introduction**

### **1.1 Background**

As per the Forest (Conservation) Act, 1980, whenever forest land is to be diverted for non-forestry purpose usually the conditions relating to transfer, mutation and declaration as Reserve Forest/Protected Forest, equivalent non forest land for compensatory afforestation and funds for raising compensatory afforestation etc. are compulsory. For mining purposes additional conditions like maintaining a safety zone area, fencing and regeneration etc. and for major and medium irrigation projects, catchment area treatment plans are to be stipulated.

Compensatory Afforestation involves identification of non-forest land or degraded forest land, work schedule, cost structure of plantation, provision of funds, mechanism to ensure the utilization of funds and monitoring mechanism etc. Hence, it is one of the most important conditions stipulated by the Central Government while approving proposals for de-reservation or diversion of forest land for non-forest use. It is essential that with all such proposals, a comprehensive scheme for compensatory afforestation is formulated and submitted to the Central Government. The comprehensive scheme is to include the details of non-forest/degraded forest area identified for compensatory afforestation, map of area to be taken up for compensatory afforestation, year wise phased forestry operations, details of species to be planted and a suitability certificate from afforestation/management point of view along with the cost structure of various operations.

### **1.2 Guidelines on State Compensatory Afforestation Fund Management and Planning Authority (State CAMPA)**

The Hon'ble Supreme Court of India vide its order dated 29 October 2002, advocated for an independent system of concurrent monitoring to be evolved and implemented through the Compensatory Afforestation Fund to ensure effective and proper utilization of fund. Again in July 2009, the Supreme Court had directed that *five per cent* of the amount released to the State CAMPA shall also be released and utilized by the National CAMPA Advisory Council, for monitoring and evaluation of schemes implemented in the State/ UT utilizing CAMPA money, setting up of institutes, societies, centre of excellence in the field of forest and wildlife, pilot schemes, standardization of codes/ guidelines, etc., for the sector.

Ministry of Environment & Forests (presently, Ministry of Environment, Forests & Climate Change) in July 2009 framed State CAMPA guidelines for establishing CAMPAs in the States/ UTs and putting in place a funding mechanism for enhancing forest and tree cover and conservation and management of wildlife by utilizing funds received towards Compensatory Afforestation, Catchment Area Treatment, Net Present Value, etc. currently available with Ad-hoc CAMPA. As per the guidelines, State CAMPA should seek to promote:

- a) conservation, protection, regeneration and management of existing natural forests;
- b) conservation, protection and management of wildlife and its habitat within and outside protected areas including the consolidation of the protected areas;
- c) compensatory afforestation;

- d) environmental services, which include:-
- i. 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;
  - ii. regulating services such as climate regulation, disease control, flood moderation, detoxification, carbon sequestration and health of soils, air and water regimes;
  - iii. non-material benefits obtained from ecosystems, spiritual, recreational, aesthetic, inspirational, educational and symbolic; and
  - iv. supporting such other services necessary for the production of ecosystem services, biodiversity, nutrient cycling and primary production.
- e) Research, training and capacity building.

State CAMPA, Meghalaya has undertaken plantation, compensatory afforestation, Capacity development, forest protection, soil & moisture conservation measures, water harvesting structures, *In-situ* conservation of plant, species recovery of important plants for Lafarge Mining, training for livelihood and other allied works through the assistance of Ministry of Environment, Forests and Climate Change (Ad-hoc CAMPA), Govt. of India, New Delhi. Rain Forest Research Institute (RFRI), Jorhat was assigned the job to undertake a monitoring and evaluation study of various activities undertaken during 2011-12 to 2013-14 by Maghalaya State CAMPA to assess the overall implementation of compensatory afforestation in the state.

### 1.3 Details of Project Location

One of the eight states of the North-eastern part of the country, Meghalaya, has a geographical area of 22,429 km<sup>2</sup>. It lies between the latitudes of 24<sup>0</sup>58' N to 26<sup>0</sup>07' N and longitudes of 89<sup>0</sup>48' E to 92<sup>0</sup>51' E. Cherrapunjee and Mawsynram, the highest rainfall spots of the world are located in this state. The state has most of its land covered by hills interspersed with gorges and small valleys with elevation ranging between 150 m to 1950 m. In terms of tribal composition, the state has three distinct tribal regions namely, Garo hills, Khasi Hills and Jaintia hills.

The CAMPA activities are geographically spread over in three Zones of Meghalaya. Zone-I comprising Khasi hills districts, Zone-II comprising Jaintia hills districts and Zone-III comprising Garo hills districts. The list of the forest divisions are as follows:

<b>Zone-I</b>	<b>Zone-II</b>	<b>Zone-III</b>
DFO, Khasi hills (T) Division, Shillong	DFO, Jaintia hills (T) Division, Jowai	DFO, Garo hills (T) Division, Tura
DFO, Wildlife Division, Shillong	Chief Forest Officer, JHADC, Jowai	DFO, Wildlife Division, Tura
DFO, Social Forestry Division, Shillong	DFO, Jaintia hills (WL) Division, Jowai	DFO, Balpakram National Park Division, Baghmara
DFO, Social Forestry Division, Nongpoh	DFO, Social Forestry Division, Jowai	DFO, Social Forestry Division, Tura
DFO, Social Forestry Division,		DFO, Social Forestry

Nongstoin		Division, William Nagar
Conservator of Forest (Biodiversity), Shillong		DFO, Social Forestry Division, Baghmara
DFO, Silviculture Division, Shillong		
DFO, Training Division, Shillong		
DFO, Working Plan Division, Shillong		
Headquarter, Shillong		

**Table 1: The land use pattern of Meghalaya State**

Land Use	Area in '000 ha.	Percentage
Total Geographical area	2,243	
Reporting area for land utilization	2,241	100
Forests	946	42.21
Not available for cultivation	239	10.66
Permanent pastures & other grazing lands	0	0
Land under miscellaneous tree crops and groves	164	7.32
Culturable wastelands	391	17.45
Fallow lands other than current fallows	155	6.92
Current fallows	60	2.68
Net area sown	286	12.76

**Source:** India State of Forest Report, 2017

#### 1.4. Status of Forests

##### 1.4.1. Forest Area:

According to the State of Forest Report, 2017 by Forest Survey of India, the forest cover of Meghalaya is 17,146 km<sup>2</sup> which is 76.45% of the total geographical area of the State as against 17,217 km<sup>2</sup> in 2015 (Update assessment is given in SFR, 2017). There is a net loss of 71 km<sup>2</sup> in forest cover during the period.

**Table 2: Forest cover within and outside of green wash**

Forest Cover within green wash (Km <sup>2</sup> )		Forest cover outside green wash (km <sup>2</sup> )	
Very dense forest	410	Very dense forest	43
Moderately dense forest	779	Moderately dense forest	1595
Open forest	6587	Open forest	720
Sub-total	14788	Sub-total	2358
<b>Total Forest Cover</b>	<b>17146</b>	<b>Tree Cover</b>	<b>657</b>
<b>Total forest &amp; Tree Cover</b>	<b>17803</b>	Per capita forest & Tree Cover	0.60 ha.
Of state's Geographical area	79.37 %	Of India's Forest & Tree Cover	2.22 %

**Source:** India State of Forest Report, 2017

Recorded Forest Area in the state including Wildlife Protected Area Network is 9,496 km<sup>2</sup> i.e., 42.34 % of the total geographical area. An area of 1,113 km<sup>2</sup> (11.72 % of forest area) is recorded as Reserved Forests and 12 km<sup>2</sup> or 0.13 % of the total forest area is recorded as

Protected Forests and the rest 8,371 km<sup>2</sup> (88.15%) belong to the category of Unclassed forests. (Source: India State of Forest Report, 2017). The district wise distribution of forest area is stated in the following table.

**Table 3: District-wise state of forest cover in Meghalaya**

Sl. No.	District	Geog. Area	Forest Cover				Percentage of State's Geographical Area
			Very Dense	Moderately Dense	Open Forest	Total Forest	
1	East Garo Hills	2,603	63	1,075	1,128	2,266	87.05
2	East Khasi Hills	2,748	3	1,012	736	1,751	63.72
3	Jaintia Hills	3,819	100	1,488	915	2,503	65.54
4	Ribhoi	2,448	132	1,096	915	2,143	87.54
5	South Garo Hills	1,887	45	1,014	629	1,688	89.45
6	West Garo Hills	3,677	0	1,244	1,593	2,837	77.16
7	West Khasi Hills	5,247	110	2,457	1,391	3,958	75.43
<b>Total</b>		<b>22,429</b>	<b>453</b>	<b>9,386</b>	<b>7,307</b>	<b>17,146</b>	<b>76.45</b>

**Source:** India State of Forest Report, 2017

#### 1.4.2: Forest Types

The State has 8 different forest types as per champion & Seth's classification system( 1968), belonging to 5 types groups viz Tropical Wet Evergreen, Tropical Semi Evergreen, Tropical Moist Deciduous, Subtropical Broadleaved Hill and Subtropical Pine Forest.

**Table 4: Forest area under different forest types in Meghalaya**

Sl no.	Forest type	Area (km <sup>2</sup> )	Percent
1	1B/C3 Cachar Tropical Evergreen Forest	1611.79	9.39
2	1B/2S1 Pioneer Euphorbiaceous Scrub	181.54	1.06
3	2B/C1a Asam Alluvial Plains Semi-Evergreen Forest	148.21	0.86
4	2/2S1 Secondary Moist Bamboo Brakes	182.75	1.07
5	3C/C1a (ii) Khasi Hill Sal Forest	1527.69	8.90
6	3C/C3b east Himalayan Moist Mixed Deciduous Forest	9052.23	52.72
7	8B/C2 Khasi Subtropical Wet Hill Forest	3041.18	17.71
8	9/C2 Assam Subtropical Pine Forest	1423.61	8.29
	<b>Total</b>	<b>17169.00</b>	<b>100.00</b>

Source: Atlas Forest Types of India, 2011

## 2. Details of Current Assessment & Methodologies

In compliance of the guidelines for State CAMPA issued by the Ministry of Environment, Forest and Climate Change, GOI, concurrent monitoring and evaluation of the works implemented in the State utilizing the funds available from Ad hoc CAMPA is to be done by an independent Evaluator to ensure effective and proper utilization of funds. As per agreement made between the Director, RFRI, Jorhat and Chief Conservator of Forest (FC

Act) and Nodal Officer State CAMPA, Meghalaya, 3<sup>rd</sup> Party Monitoring & Evaluation of Forestry activities & works of CAMPA scheme executed during 2011-12, 2012-13 & 2013-14 were conducted by RFRI, Jorhat. Accordingly Monitoring and Evaluation work was carried out in 20 division of three zone covering 667.54 ha of plantation areas for the year 2011-12, 2012-13 and 2013-14.

**Table 5: Compensatory afforestation (CA) created for the year 2011-12, 2012-13 & 2013-14**

S. No	Forest Division	Year			Total
		2011-12	2012-13	2013-14	
		Area in ha	Area in ha	Area in ha	
1	DFO(T), Shillong	96.50	140	-	<b>236.5</b>
2	DFO(T), Jowai	-	162.40	100	<b>262.4</b>
3	DFO(T), Tura	-	-	-	-
4	CFO, JHADC	-	98.64	-	<b>98.64</b>
5	DFO (SF), Shillong	-	70.00	-	<b>70.00</b>
	<b>Total</b>	<b>96.50</b>	<b>471.04</b>	<b>200</b>	<b>667.54</b>

### 2.1 Scope of Evaluation Work

- Study the Policy, Legal and Administrative framework of the project
- Detailed description of project activities along with field evaluation
- Interview with local communities to assess the community perception of the impact of the project activities

### 2.2 Methodologies Adopted for Evaluation

#### 2.3 Sampling intensity

All projects of CA, Roadside/avenue plantation, nursery creation in each forest division were covered for monitoring and evaluation. Around 50% of community conservation Areas (CCA) were also visited and works carried out in these CCAs was monitored and evaluated.

#### 2.3.1 Ranking of individual projects

A six point rating system was adopted to rank the CAMPA plantations in each of the divisions taking into consideration the site conditions. Survival percentage norms for assessing the performance of plantations are provided below:

Site suitability	Successful	Partially successful	Failed
<b>Suitable area with favourable site condition rainfall, soil etc.</b>	60% and over	33% to 60%	Less than 33%
<b>Medium quality forest sites</b>	50% and over	25% to 50%	Less than 25%
<b>Poor forest sites</b>	40% and over	20% to 40%	Less than 20%
Source: Maharashtra Forest Department, 2015			



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

- **Suitable site:** Soil more than 2' deep (61cm) rainfall 50" (1270mm) to 150" (3810 mm), average prevalence of adverse biotic factors, gentle to moderate slopes.
- **Medium site:** Soil more than 1' (30.4cm) deep, rainfall 35" (889mm) to 50" (1270mm), average prevalence of adverse biotic factors, gentle to moderate slopes.
- **Poor site:** Soil less than 1' (30.4cm) deep, rainfall less than 35" (889mm) or more than 125" (3175 mm) and excessive prevalence of mist and fog during the monsoon, prevalence of adverse biotic factors, steep slopes.

Similarly, other quality parameters like growth of the seedlings, survival percentage, and preference of local species, etc., for different plantations in different site conditions were considered to rank the plantations. The ranking table is provided below:

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

### 2.3.2 Generation of format to collect information on various assessment parameters

With reference to the evaluation objectives, the prescribed formats were prepared separately on different evaluation work as given below -

- a) Evaluation format: Tables/Data Sheets for point wise description of observations and remarks keeping all the parameters related to all the CAMPA activities, includes;
  - Plantations
  - Nurseries
  - Construction of quarter,
  - Construction of forest protection camp,
  - Construction of new office,
  - Construction of Barrack,
  - Construction/maintenance of roads
  - Construction of chain link wire mesh fencing,
  - Construction of boundary wall.
  - Purchase of vehicles
  - purchase of equipments
- b) Field visit formats: Format indicating the details of field visits, includes;
  - Details of investigating team.
  - Name of the official present during the time of field visit from the concern area.

### 2.3.3 Interaction with field staff and data collected from the field:

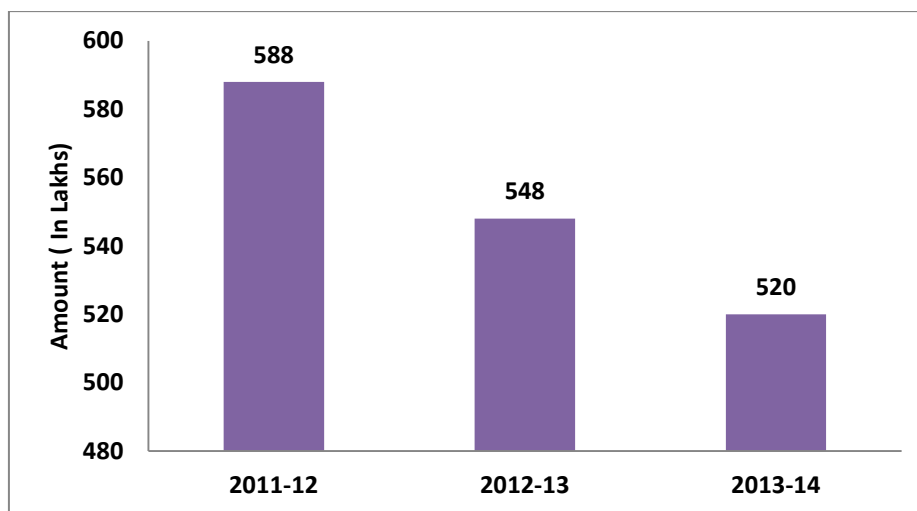
During field visit in most of the cases, along with the evaluation team the officials of the Forest Dept. also accompanied and were also consulted and referred (Mostly DFO, Range Officer, Beat Officer, Foresters and Forest Guards).

### 2.3.4 Interaction with communities wherever applicable:

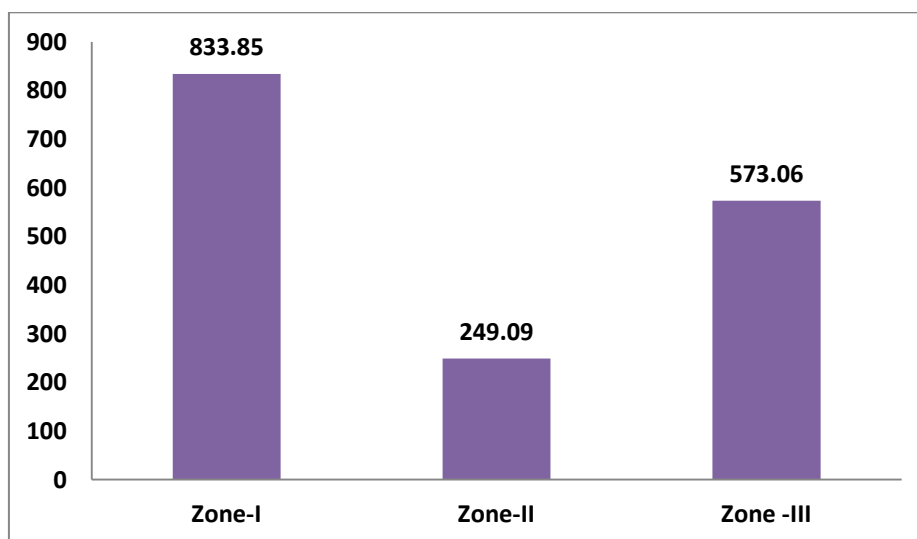
- The effect and affect of the CAMPA plantation work were noted in details through interaction with the local communities,
- The benefits and problems related with the project work were gathered.

## 3. Division-wise CAMPA Activities (2011-12 to 2013-14) along with their Evaluation

CAMPA fund sanctioned to circles for implementation of works in respect of the APOs for 2011-12 to 2013-14 Adhoc CAMPA vide letter no 15-2(23)/2013- CAMPA, dated 09.06.2015.



Year- wise sanctioned of CAMPA funds



Zone- wise sanctioned of CAMPA funds

Achievements against various objectives as set in the approved Annual Plan of Operation (APO) both in progress and/or completed in each of the Forest Divisions/Institutions were evaluated for performance. Zone-wise CAMPA Activities (2011-12, 2012-13&2013-14) along with their Evaluation: The Division wise CAMPA activities randomly sampled for Monitoring and Evaluation are described below.

### 3.1 Zone 1: Khasi Hills

#### 3.1.1 Plantation Works

##### I. DFO (T), Shillong

As informed the fund has been transferred from DFO (Territorial), Shillong to DFO (Social Forestry), Shillong and yet to be utilized.

##### II. DFO (SF), Shillong

##### a. Creation of nursery of roadside/avenue plantation (6 kms)

➤ Amount Released: 18.54 Lakh

- Location: Pyrkan Village, Sohra Social Forestry Range - 2 KM
- Geo-coordinates: N 25°10'46.7"  
E 91°38'00.0"
- Date of M&E: 30/05/2018
- **Remark:** Planted 1000 nos of *Delonix regia* & *Mesua ferrea* in 2 Km roadside in Pyrkan village.



##### b. Creation of Polypot Nursery -300 beds.

➤ Amount released: 14.54 lakhs

Location: 1. Saikarap (Lumbaniang)nursery, Sohra Social Forestry Range -50 beds

➤ Geo-coordinates: N 25°10'46.7"  
E 91°38'00.0"

➤ Date of M&E: 30/05/2018

**Remark:** 50 beds nursery created and species of *Michellia champaca*, *Artocarpus heterophyllus*, *A. Chaplusa*, *Delonix regia* and *Sarea asoca* raised for plantation and public distribution.







Location: 2. Saikarap (Lumbaniang)nursery, Sohra Social Forestry Range -180.83 beds

- Geo-coordinates: N 25<sup>0</sup>10'46.7" E 91<sup>0</sup>38'00.0"
- Date of M&E: 30/05/2018

**Remark:** 180.83 beds nursery created for CA, Species recovery, *in-situ* conservation, conservation of Horticulture species and Green belt plantation at Saikarap. Seedlings of *Michellia champaca*, *Artocarpus heterophyllus*, *A. chaplasi*, *Delonix regia*, *Terminalia arjuna*, *Chukrassia tabularis*, *Garcinia xanthochymus*, *Toona febrifuga*, *Duabanga grandiflora*, *Schima wallichii* and *Saraca asoca* are raised in the nursery.

GOVERNMENT OF MEGHALAYA  
FORESTS & ENVIRONMENT DEPARTMENT  
SAIKARAP (LUMBANIANG) FOREST NURSERY UNDER  
SOHRA SOCIAL FORESTRY RANGE - SOHRA

AREA : 1.04a  
GEO-COORDINATE : Longitude - 91 38' 00.00"  
Latitude - 25 10' 46.70"  
NAME OF NURSERY : SAIKARAP  
MANGROVE CONSERVATION PLAN OF SOHRA SOCIAL FORESTRY RANGE  
YEAR OF CREATION : 1977/1981, 2015 & March, 2017.  
TOTAL NUMBER OF BEDS: 180.83 beds  
SPECIES RAISED :

Sl. No.	Species Name	No. of Beds	Remarks
1	Michellia champaca	10	
2	Artocarpus heterophyllus	10	
3	A. chaplasi	10	
4	Delonix regia	10	
5	Terminalia arjuna	10	
6	Chukrassia tabularis	10	
7	Garcinia xanthochymus	10	
8	Toona febrifuga	10	
9	Duabanga grandiflora	10	
10	Schima wallichii	10	
11	Saraca asoca	10	
12	Other species	130.83	
<b>TOTAL</b>			
		<b>180.83</b>	

**c. Biodiversity conservation Plan for Lafarge mining at Nongtraï**

A. Creation of Safety Zone plantation of 6.07 ha area.

- Amount Released: 2.00 Lakh
- Location: Nongtraï Lafarge mining under Social Forestry Division, Shillong
- Geo-coordinates: N 25<sup>0</sup>11'28.8" E 91<sup>0</sup>37'27.6"
- Date of M&E: 03/10/2018

**Remark:** Safety Zone created at Lafarge mining area in 6.07 ha by planting *Chukrassia tabularis*, *Michellia champaca*, *Toona febrifuga* & *Bauhinia purpurea*.





**B. Nursery and advance work, creation for green belt plantation (Area- 24 ha.)**

- Amount Released: 6.72 Lakh
- Location: Lafarge umiam mining private limited- Nongtraï
- Geo-coordinates: N 25<sup>0</sup>09'52.1"
- E 91<sup>0</sup>40'38.1"
- Date of M&E: 29/05/2018

**Remark:** Nursery and advance work done for green belt plantation.



**C. Creation for green belt along conveyer (Area- 10 ha.)**

- Amount Released: 3.80 Lakh
- Location: Pyrkan , Shella
- Area-1.3 KM.
- Geo-coordinates: N 25<sup>0</sup>10'22.3"
- E 91<sup>0</sup>37'19.8"
- Date of M&E: 29/05/2018

**Remark:** Created green belt along the conveyer (1.316 km) and planted 500 nos of *Syzygium cumini* in the spacing of 4 M x 4 M from plant to plant. 60% plant survived.





**D. Compensatory Afforestation nursery and advance work (Area- 60 ha.)**

- Amount Released: 16.80 Lakh
- Location 1: Pyrkan village, Shella
- Area-28 ha
- Geo-coordinates: N 25<sup>0</sup>10'26.34  
E 91<sup>0</sup>37'16.91"
- Date of M&E: 29/05/2018

**Remark:** Preliminary advance work completed, area was demarcated but plantation was not done as on date 29/05/2018



**Location 2: Pyrkan village, Shella**

- Area- 14 ha
- Geo-coordinates: N 25<sup>0</sup>10'8.11"  
E 91<sup>0</sup>37'25.56"
- Date of M&E: 29/05/2018

**Remark:** Preliminary advance work completed, area was demarcated but plantation was not done as on date 29/05/2018




**Location 3: Pyrkan village, Shella**

- Area-15 ha
- Geo-coordinates: N 25<sup>0</sup>10'6.61"  
E 91<sup>0</sup>37'49.21"
- Date of M&E: 29/05/2018

**Remark:** Preliminary advance work completed, area was demarcated but plantation was not done as on date 29/05/2018







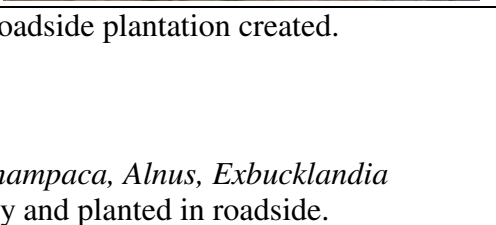

<p>Location 4: Pyrkan village, Shella</p> <ul style="list-style-type: none"> <li>➤ Area - 3 ha</li> <li>➤ Geo-coordinates: N 25<sup>0</sup>10'32.97" E 91<sup>0</sup>37'32.75"</li> <li>➤ Date of M&amp;E: 29/05/2018</li> </ul> <p><b>Remark:</b> Preliminary advance work completed, area was demarcated but plantation was not done as on date 29/05/2018</p>	
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### III.DFO (SF), Nongstoin

#### a. Creation of Nursery and roadside/avenue plantation -6 km

Amount Released: 18.54 Lakh

Location – Roadside Nursery & Plantation was created in four Ranges.

<p><b>1. Nongstoin range-</b> 4 nos of nursery beds and 2 Km roadside plantation created.</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>31'24.69"</li> <li>➤ E 91<sup>0</sup>25'15.85"</li> <li>➤ Date of M&amp;E: 04/10/2018</li> </ul> <p><b>Remark:</b> Saplings of <i>Alnus</i>, <i>Michelia champaca</i>, <i>Toona ciliata</i>, <i>Exbucklandia populnea</i> were raised in nursery and planted in roadside.</p>	
<p><b>2. Riango Range-</b> 2 nos of nursery beds and 1 Km roadside plantation created.</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>40'17.3"</li> <li>➤ E 91<sup>0</sup>05'42.7"</li> <li>➤ Date of M&amp;E: 04/10/2018</li> </ul> <p><b>Remark:</b> <i>Terminalia arjuna</i>, <i>Bauhinia purpurea</i>, <i>Toona</i>, <i>Michelia champaca</i>, <i>Acacia auriculiformis</i>, <i>Chukrasia tabularis</i>, <i>Exbucklandia populnea</i> and <i>Azadirachta indica</i> species raised in nursery and planted.</p>	
<p><b>3. Mairang Range-</b> 2 nos of nursery beds and 1 Km roadside plantation created.</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>31'53.55"</li> <li>➤ E 91<sup>0</sup>41'16.68"</li> <li>➤ Date of M&amp;E: 04/10/2018</li> </ul> <p><b>Remark:</b> Species of <i>Chukrasia tabularis</i>, <i>Michelia champaca</i>, <i>Alnus</i>, <i>Exbucklandia populnea</i>, <i>Cryptomeria japonica</i> were raised in nursery and planted in roadside.</p>	
<p><b>4. Mawkyrwat Range-</b> 4 nos of nursery beds and 2 Km roadside plantation created.</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>22'24.55"</li> <li>➤ E 91<sup>0</sup>28'07.68"</li> <li>➤ Date of M&amp;E: 04/10/2018</li> </ul> <p><b>Remark:</b> Saplings of <i>Alnus</i>, <i>Prunus cerasoides</i>, <i>Myrica esculenta</i>, <i>Cupressus</i>, <i>Cryptomeria japonica</i>, <i>Chukrasia tabularis</i>, <i>Michelia champaca</i>, <i>Pinus kesiya</i>, and <i>Exbucklandia populnea</i> were raised in nursery and planted in roadside.</p>	

**b. Creation of 300 beds polypot nursery and maintenance of beds.**

Amount Released: 14.54 Lakh

**Location:** Polypot nursery created in five different locations.

**Location- 1.** Mawiaban , Nongstoin range -88 beds

- GPS coordinates: N25°32'42.0"; E91°14'06"
- Date of M&E: 04/10/2018

**Remark:** 88 nos of nursery beds made and appx 100000nos seedlings of *Alnus*, *Michelia champaca*, *Betula alnoides*, *Prunus cerasoides*, *Toona ciliata*, *Exbucklandia populnea*, *Cupressus*, *Myrica esculenta* & *Cinnamomum tamala* raised in the nursery.



**Location: 2.** Mawkyrwat Range -80 beds

- GPS coordinates: N25°22'10.8"; E91°28'31.4"
- Date of M&E: 15/11/2018

**Remark:** 80 nos of nursery beds created and seedlings of *Alnus*, *Prunus cerasoides*, *Myrica esculenta*, *Cupressus*, *Cryptomeria japonica*, *Chukrasia tabularis*, *Michelia champaca*, *Pinus kesiya*, *Exbucklandia populnea* were raised.







**Location: 3.** Riango Range -55 beds

- GPS coordinates: N25°40'43.8"; E91°03'13.7"
- Date of M&E: 04/10/2018

**Remark:** 55 nos of nursery beds created and seedlings of *Terminalia arjuna*, *Bauhinia purpurea*, *Toona ciliate*, *Michelia champaca*, *Acacia auriculiformis*, *Chukrasia tabularis*, *Exbucklandia populnea*, *Cinnamomum zeylanicum*, *Terminalia chebula* *Azadirachta indica* were raised in nursery.





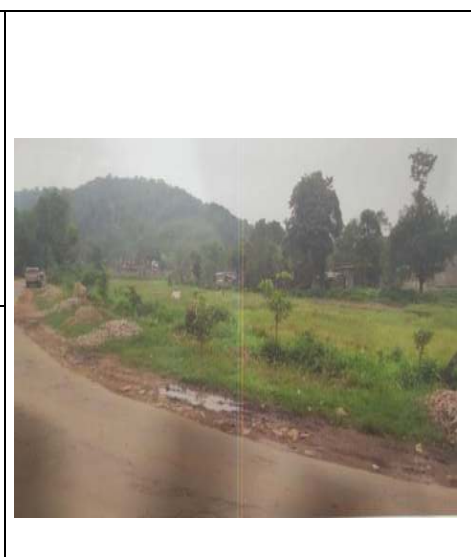
	
<p><b>Location: 4.</b> Mairang Range -50 beds</p> <ul style="list-style-type: none"> <li>➤ GPS coordinates: N25°33'38.4"; E91°37'16.7"</li> <li>➤ Date of M&amp;E: 04/10/2018</li> </ul> <p><b>Remark:</b> 50 nos of nursery beds created and seedlings of <i>Chukrasia tabularis</i>, <i>Michelia champaca</i>, <i>Alnus</i>, <i>Prunus cerasoides</i>, <i>Exbucklandia populnea</i>, <i>Cryptomeria japonica</i>, <i>Cupressus</i> were raised in nursery.</p>	
<p><b>Location: 5.</b> Nongshillong Beat 10 beds</p> <ul style="list-style-type: none"> <li>➤ GPS coordinates: N25°31'00.8"; E91°28'50.1"</li> <li>➤ Date of M&amp;E: 15/11/2018</li> </ul> <p><b>Remark:</b> 10 nos of nursery beds created and seedlings of <i>Chukrasia tabularis</i>, <i>Michelia champaca</i>, <i>Alnus</i>, <i>Prunus cerasoides</i>, <i>Exbucklandia populnea</i>, <i>Cryptomeria japonica</i>, <i>Cupressus</i> raised in nursery.</p>	

#### IV. DFO (SF), Nongpoh

##### a. Creation of Nursery and roadside/avenue plantation -6 Km

Amount Released: 18.54 Lakh

Location: Roadside plantation was done in Umsning Range and Byrnihat Range.

<p><b>1. Umsning Range-</b> 1 Km Lad-Mawrong roadside plantation</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25°45'12.10"; E 91°53'18.68"</li> <li>➤ Date of M&amp;E: 29/05/2018</li> </ul> <p><b>Remark:</b> Species of <i>Grevelia robusta</i>, <i>Jacaranda</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> raised in nursery and 600 nos of seedling planted in roadside in spacing of 10ft.</p>	
<p><b>2. Byrnihat Range-</b> 5 Km roadside plantation</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25°05'54.50"; E 91°55'88.68"</li> <li>➤ Date of M&amp;E: 29/05/2018</li> </ul> <p><b>Remark:</b> Appox. 3300 nos seedlings of <i>Messua ferrea</i>, <i>Thevia sp.</i> <i>Polyalthia longifolia</i>, <i>Delonix regia</i>, <i>Samania saman</i> &amp; <i>Cassia</i> raised in nursery and planted in roadside at spacing of 4 M.</p>	


**b. Creation of plantation in urban forestry**

<ul style="list-style-type: none"> <li>➤ Amount Released: 4.0 Lakh</li> <li>➤ Location: Mawtnum under Social Forestry Forest Range, Nongpoh.</li> <li>➤ Geo-coordinates: N 25<sup>0</sup>35'60.2." ; E 91<sup>0</sup>46'84.42"</li> <li>➤ Date of M&amp;E: 29/05/2018</li> </ul> <p><b>Remark:</b> Appox. 6000 nos of seedlings planted in 4 ha. area in spacing of 3 m x 3 m . Species – <i>Michelia champaca</i>, <i>Tectona grandis</i>, <i>Chukrasia tabularis</i>, <i>Gmelina arboea</i> &amp; <i>Duabanga grandiflora</i>. More than 70% seedlings survived.</p>
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**c. Creation of 300 beds polypot nursery**

Amount Released: 14.54 Lakh

Location: 300 beds polypot nursery created in all four ranges and two Beats.

<p>1. Lad- Umroi Forest Nursery under Kyrdemkulai Range – 20 nursery beds</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>40'34.39" E 91<sup>0</sup>54'23.55"</li> <li>➤ Date of M&amp;E: 31/05/2018</li> </ul> <p><b>Remark:</b> 20 beds polypot nursery created and seedling of <i>Michelia champaca</i>, <i>Jacaranda</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> and <i>Pinus khasiana</i> raised in nursery.</p>	
<p>2. Umdiker under Nongpoh Range – 106 nursery beds</p> <p>3. Pahamsyiem under Nongpoh Range- 31 nursery beds</p> <ul style="list-style-type: none"> <li>➤ Date of M&amp;E: 31/05/2018</li> </ul> <p><b>Remark:</b> 137 beds polypot nursery created and seedling of <i>Grevelia robusta</i>, <i>Jacaranda</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> raised in nursery.</p>	
<p>4. Umsaitsning Forest Nursery under Umsning Range – 20 nursery beds</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>45'9.20" E 91<sup>0</sup>53'41.01"</li> <li>➤ Date of M&amp;E: 31/05/2018</li> </ul> <p><b>Remark:</b> 20 beds polypot nursery created and seedling of <i>Michelia champaca</i>, <i>Jacaranda</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> and <i>Pinus khasiana</i> raised in nursery.</p>	
<p>5. Byrnihat Range – 20 nursery beds</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>05'50.55" E 91<sup>0</sup>84'88.56"</li> <li>➤ Date of M&amp;E: 31/05/2018</li> </ul> <p><b>Remark:</b> 20 beds polypot nursery created and seedling of <i>Michelia champaca</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> and <i>Pinus khasiana</i> raised in nursery.</p>	
<p>6. Umsiang Beat – 20 nursery beds</p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates: N 25<sup>0</sup>45'13.3" E 91<sup>0</sup>53'35.7"</li> <li>➤ Date of M&amp;E: 28/05/2018</li> </ul> <p><b>Remark:</b> 20 beds polypot nursery created and 16000 seedling of <i>Michelia champaca</i>, <i>Delonix regia</i>, <i>Chukrasia tabularis</i> and <i>Pinus khasiana</i> raised in nursery.</p>	



### 3.1.2 Civil Works

#### I. DFO (SF), Shillong

##### a. Construction of boundary Brick wall fencing for securing staff quarters below Forest Rangers

- Amount Released: 10.00 Lakh
- Location: Range Office Complex , Sohra
- GPS coordinates: N 25° 15' 36.9''  
E 91° 44' 15.0''
- Date of M&E: 29/05/2018

**Remark:** An amount of Rs. 10.00 lakhs was spent for construction of Boundary wall with fencing for securing staff quarters.



##### b. Renovation of field staff quarter below Range Officers level – 6 nos

Amount Released: 10.00 Lakh

**Location:** Sohra Social Forestry Range -6 nos

- GPS coordinates:  
N 25° 15' 39.0'' ; E 91° 44' 15.5''  
N 25° 15' 37.5'' ; E 91° 44' 15.5''
- Date of M&E: 29/05/2018

**Remarks:** Re-electrification, painting and roofing of 6 nos of staff quarter below Range Officers level was done & the amount of 10 lakhs utilized. Renovation of 10 nos of quarters was proposed but only 6 quarters were renovated.



## II. DFO (SF), Nongpoh

### a. Construction of boundary wall for securing quarters below Forest Ranges

Amount Released: 10.00 Lakh

Locations: Boundary wall constructed in three places.

1. Umsiang Beat – Boundarywall at Umsiang Beat office Campus.

➤ Geo-coordinates: N 25<sup>0</sup>45'13.3" ; E 91<sup>0</sup>53'35.7"

➤ Date of M&E: 28/05/2018

**Remark:** Boundary wall constructed at office campus.

2. Nongpoh Range – Boundary wall at Pahamsyiem staff quarter.

➤ Geo-coordinates: N 25<sup>0</sup>55'98.01" ; E 91<sup>0</sup>53'59.12"

➤ Date of M&E: 28/05/2018

**Remark:** Barbed wire fencing erected for securing Pahamsyiem staff quarter.

### b. Name of work Renovation of field staff quarter below Range Officers level -10 nos

Amount Released: 10.00 Lakh

➤ Locations:

1. Nongpoh Range - 3 nos
2. Umsning Range - 1 no
3. Kyrdemkulai Range - 1 no
4. Byrnihat Range -1 no
5. Umsing Beat - 2 nos
6. Jirang Beat- 2 nos

Date of M&E: 31/05/2018

**Remark:** Repairing, electrification & painting of 10 nos staff Quarters was done during 2013-14.








## III.DFO (SF), Nongstoin

### a. Renovation of field staff quarter below Range officer's level -10 nos

Amount Released: 10.00 Lakh

Location: Renovation work was done in four ranges.



<p><b>1. Mawkyrwat Range -02 nos</b></p> <ul style="list-style-type: none"> <li>➤ Geo- coordinates: N25°22'09"; E92°20'32.5"</li> <li>➤ Date of M&amp;E:16/11/2018</li> </ul> <p><b>Remark:</b> Repairing of 2 nos of grade IV staff quarter was done by the department and it was physically seen and found satisfactory.</p>	
<p><b>2. Mawiaban under Nongstoin Range - 06 nos</b></p> <ul style="list-style-type: none"> <li>➤ GPS coordinates: N25°32'41.5" E 91°14' 09"</li> <li>N 25°32'40.8" E91°14' 09.3"</li> <li>➤ Date of M&amp;E:04/10/2018</li> </ul> <p><b>Remark:</b> Repairing of 6 nos of grade IV staff quarter was done by the department and it was physically seen and found satisfactory.</p>	
	
<p><b>3. Rianhdo Range -02 nos</b></p> <ul style="list-style-type: none"> <li>➤ <b>Geo- coordinates:</b> N25°40'43.5"; E91°03'13.5"</li> <li>➤ <b>Date of M&amp;E:</b>04/10/2018</li> </ul> <p><b>Remark:</b> Repairing of 2 nos of grade IV staff quarter was done by the department and it was physically seen and found satisfactory.</p>	

**b. Construction of Forest Guard quarter -02 nos**

<ul style="list-style-type: none"> <li>➤ Amount Released: 20.00 Lakh</li> </ul> <p><b>1. Mawiaban under Nongstoin Range -01 no</b></p> <ul style="list-style-type: none"> <li>➤ GPS coordinates: N25°32'41.6" E91°14' 07.3"</li> <li>➤ Date of M&amp;E:04/10/2018</li> </ul> <p><b>2. Mawkyrwat Range- 01</b></p> <ul style="list-style-type: none"> <li>➤ Geo- coordinates : N25°22'09.6" E91°28.31.7"</li> <li>➤ Date of M&amp;E:15/11/2018</li> </ul> <p><b>Remark:</b> Constructed 2 nos FG quarter 1 at Mawiaban Range and 1 at Mawkyrwat Range.</p>
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**c. Construction of boundary wall for securing staff quarters below forest Ranger**

- Amount Released: 10.00 Lakh
- Location: Mawiaban under Nongstoin Range -100 RM
- GPS coordinates: N25°32'41.5"; E91°14'10.3"
- Date of M&E: 04/10/2018

**Remark:** 100 Rm boundary wall constructed at Mawiaban Range for securing staff quarters and Rs. 10 lakhs spent.



**IV. DFO (WL), Shillong**

**a. Renovation of field staff below Range Officers level -10 nos .**

- Amount Sanction : 20.00 lakh
- Location: Lum Nehru Park Range , Umiam.- 02 no
- Geo-coordinates: N25°39'43.48" E 91°53'55.87"
- Date of M&E: 28/05/2018

**Remark:** Painting , roofing & electrification work was done in 10 nos of staff quarters on 2012-13





### 3.1.3 Other Works

#### I. DFO (WL), Shillong

##### a. Payment of pending ex-gratia amount to victims

- Amount Sanction : 32.30 lakhs
- Date of M&E: 28/05/2018
- **Remark:** As per the office records compensation was given to the victims.

##### b. Development and Improvement of Community Reserves – 14 nos

Development work of 14 community reserves was conducted by utilizing an amount of Rs. 87.00 Lakh. List of these community reserves is given below:

**Table 6: List of Community Reserves developed under CMAPA in Khasi Hills**

S. No.	Community Reserves	Year of Notification	Area (Km <sup>2</sup> )	District
1	Raid Nongbri Community Reserve	2014	0.7	Ri-bhoi
2	Lum Jusong Community Reserve	2014	0.7	Ri-bhoi
3	Jirang Community Reserve	2014	2.0	Ri-bhoi
4	Pdah Kyndeng Community Reserve	2014	0.75	Ri-bhoi
5	Nongsangu Community Reserve	2014	1.0	Ri-bhoi
6	Kpoh Eijah Community Reserve	2014	0.17	West Khasi Hills
7	Miewsyiar Community Reserve	2014	0.87	West Khasi Hills
8	Phudja-ud Community Reserve	2014	1.2	South West Khasi Hills
9	Umsum Pitcher Plant Com. Res.	2014	0.4	South West Khasi Hills
10	Lumkohkriah Community Reserve	2014	6.11	West Khasi Hills
11	Lawbah Community Reserve	2014	2.1	East Khasi Hills
12	Ryngibah Community Reserve	2014	0.8	East Khasi Hills
13	Ryngud Community Reserve	2014	5.22	East Khasi Hills
14	Thangkharang Community Reserve	2014	1.11	East Khasi Hills

Out of 14 community reserves 8 was visited by the monitoring team and works done in the reserves were monitored and evaluated. Details of the same are given below:

#### 1. Jirang Community Reserve

- Area: 200
- Co-ordinates: 25°56 '44.3" N; 091° 33'42.4" E
- Date of M&E: 09/07/2019

**Remark:** Boundary consolidation 2<sup>nd</sup> phase construction by way of stone masonry boundary pillar at strategic points along the boundary of community reserve. Promotion of alternative livelihood practices by planting fruit bearing trees as part of the eco-development activity. Construction of footpath to 3 nos villages. Maintenance of patrolling path and improvement wherever needed.





## 2. Nongsangu Community Reserve

- Area: 100 ha.
- Co-ordinates: 25°52 '27.4" N; 092° 03'52.1" E
- Date of M&E: 09/07/2019

**Remark:** Boundary consolidation 2<sup>nd</sup> phase construction by way of stone masonry boundary pillar at strategic points along the boundary of the community reserve. Creation of the fire line. Construction of fishing pond. Construction of footpath. Purchase of plastic chairs under eco-development activity.



## 3. Lumjusong Community Reserve

Area: 70 Ha.  
 Coordinates : 25°53 '24.2" N; 092° 02'.14.4" E  
 Date of M&E: 09/07/2019

**Remark:** Erection of boundary pillars along the boundary line. Construction of check dam for the local community. Creation of fireline. Awareness campaign. Publication/ advertisement in the form of pamphlets.







#### 4. Pdah Kyndeng Community Reserve

- Area: 75 Ha.
- Co-ordinates: 25°57 '34.27" N; 091° 55'50.00" E
- Date of M&E: 09/07/2019

**Remark:** Boundary consolidation 2<sup>nd</sup> phase construction by way of stone masonry boundary pillar at strategic points along the boundary of the community reserve. Maintenance of patrolling path and improvement whether needed. Creation of fire line.



#### 5. Nongbri Community Reserve

- Area: 70 Ha.
- Coordinates: 25°54 '34.25"; 092° 00'49.70" E
- Date of M&E: 09/07/2019

**Remark:** Erection of boundary pillars along the boundary line. Construction of check dam for the local community. Creation of fire line. Awareness campaign. Installation of signboard







**6. Umsum Pitcher Plant Community Reserve**  
**Area:** 40 Ha.  
**Co-ordinates :** N 25° 15'87.9"; E 091° 18'40.3"  
**Date of M&E:** 11/07/19  
**Remark:** Boundary Pillars and a Check Dam were established. A patrolling path was also prepared. Rehabilitation and plantation of Pitcher plants was done. The work was found satisfactory.



**7. Kpoh Eijah CR**  
 ➤ Area: 17 ha.  
 ➤ Coordinates : N 25°28'16.3"; E 091°25'28.8"  
 ➤ Date of M&E: 12/07/19  
**Remark:** Construction of Fireline inside the CR has seen. Patrolling path was also there. Construction of Check dam inside the CR has seen.





## 8. Lumkohkriah Community Reserve

- Area: 611 Ha.
- Coordinates : N 25<sup>0</sup> 17'19.9" ; E 091<sup>0</sup>16'12.6'
- Date of M&E: 11/07/19

**Remark:** Construction of Pathway inside CR at Lumkohkriah. Rehabilitation of Pitcher plant was also observed.



## II. DFO (SF), Shillong

### a. Part of Biodiversity Conservation Plan for Lafarge Mining at Nongtraï

- i. Species Recovery of important plants- 12 Ha
- Amount Released: 5.00 Lakh
  - Location: Nongtraï under SF Division, Shillong
  - Geo-coordinates : N 25<sup>0</sup>11'06.9" E 91<sup>0</sup>37'25.4"
  - Date of M&E: 03/10/2018
- Remark:** About 33 nos of species are planted under species recovery programme



- ii. Improvement work for *in-situ* Conservation of plants
- Amount Released: 2.00 Lakh
  - Location: Nongtraï under Social Forest Division, Shillong
  - Geo-coordinates : N 25<sup>0</sup>11'10.3" E 91<sup>0</sup>37'01.7"
  - Date of M&E: 03/10/2018
- Remark:** Improvement work for conservation of 33 species of plants of 18 Ha areas was done and seen.



iii. Providing alternate livelihood support to local people (at Sohra) by raising 96.12 beds polypot nursery.

- Amount Released: 5.00 lakhs
- Location: Sohra Social Forest Range , Shillong
- Date of M&E: 29/05/2018

**Remark:** Nursery created at Sohra and species of *Morus laevigata*, *Bauccauria sapinda*, *Citrus reticulata*, *Bambusa tulda*, *Gmelina arborea*, *Tamarindus indica*, *Syzygium cumini*, *Areca catechu*, *Acquilaria malaccensis*, etc. raised in the nursery for the support of local people.



iv. Item of work: Promoting herbal garden

- Amount Released: 5.00 Lakhs
- Location: Sohra Social Forestry Range, Shillong
- Geo-coordinates: N 25°10'46.7" ; E 91°38'00.0"
- Date of M&E: 30/05/2018

**Remark:** Harbal garden created at Sohra.

v. Conservation of horticulture species

- Amount Released: 3.00 lakhs
- Location: 5 locations under Sohra Social Forestry Range.
  1. Lum Pyrkan -1 ha; Geo-coordinates: N 25°10'9.8"; E 91°37'21.7"
  2. Pyrkan -1 ha; Geo-coordinates: N 25°10'29.0"; E 91°37'9.3"
  3. Khahm (Shella) -1 ha; Geo-coordinates: N 25°10'17.8"; E 91°38'27.3"
  4. Pukrisohlap (Shella) -1 ha; Geo-coordinates: N 25°10'17.8"; E 91°38'27.3"
  5. Nongtari Village -3 ha; Geo-coordinates: N 25°12'47.7"; E 91°36'4.4"
- Date of M&E: 29/05/2018

**Remark:** Conserved 10 horticulture species namely *Areca catechu*, *Averrhoa carambola*, *Artocarpus heterophyllus*, *Bauccauria sapinda*, *Embllica officinalis*, *Elaeagnus conferta*, *Citrus reticulata*, *Psidium guajava*, *Terminalia indica* & *Zizyphus jujuba*.



b. Implementation of Catchment Area Treatment Plan of Lafarge



Amount Sanction: 42.00 Lakh

**A. Umstew Umtyngngar catchment area plantation**

- Location: Madanlyngkhi, Laitlyngkot, Sohra Social Forestry Division.
- Geo-coordinates: N 25<sup>0</sup>25'40" ; E 91<sup>0</sup>49'15.0"
- Date of M&E: 30/05/2018

**Remark:** Only preliminary works completed.



**B. Construction of check Dam -01 nos.**

- Amount released : 4.00 lakhs
- Location: Ichamati Village, Sohra Social Forestry Division.
- Geo-coordinates: N 25<sup>0</sup>10'11.9" ; E 91<sup>0</sup>41'23.9"
- Date of M&E: 30/05/2018

**Remark:** One check dam constructed at Ichamati Village, Sohra and an amount of 4.00 lakh was incurred.



**C. Construction of check Dam -01 nos.**

- Amount released : 7.50 lakhs
- Location: Lumbniang , Shella Village Sohra Social Forestry Division.
- Geo-coordinates: N 25<sup>0</sup>09'48.5" ; E 91<sup>0</sup>40'36.5"
- Date of M&E: 30/05/2018

**Remark:** One check dam constructed at Ichamati Village, Sohra and an amount of 7.50 lakh was incurred.



**c. Name of work: Development of Eco-park**






- Amount Released: 14.00 Lakh
- Location: Nongtraï , SF Division, Shillong
- G-coordinates: N 25<sup>0</sup>11'27.8" ; E 91<sup>0</sup>35'57.27"
- Date of M&E: 03/10/2018

**Remark:** Out of Rs. 14,00,000/- sanctioned for development of Eco-Park at M/S Lafarge Umiam Mining Pvt. Ltd, Nongtraï Village Rs. 7,98,492/- utilized and the unutilized amount is Rs. 6,01,608/-. As per the letter No.SF/CR/CAMPA/113/56 dated Sohra the 21<sup>st</sup> November, 2017 construction work was stopped by Nongtraï village authority.




**d. Catchment Area Treatment plan of Shillong Water Shed areas**

- **Amount Released:** 66.75 Lakh
- Catchment area treatment work was done at 4 different locations


<p>1. Catchment area plantation -10 ha</p> <ul style="list-style-type: none"> <li>➤ <b>Location:</b> SMIT , Mawkynew Range</li> <li>➤ <b>Date of M&amp;E:</b> 30/05/2018</li> </ul> <p><b>Remark:</b> Fund released so far only for preliminary &amp; advance work including fencing, construction of camp hut, inspection path and survey.</p>	
<p>2. Catchment area plantation -34 ha (19 +15.4)</p> <ul style="list-style-type: none"> <li>➤ <b>Location:</b> Rngi Iap Seiniong , Umiew</li> <li>➤ <b>GPS coordinates:</b> N25°29'00.2" E91°41'01.5"</li> <li>➤ <b>Date of M&amp;E:</b> 30/05/2018</li> </ul> <p><b>Remark:</b> Fund released so far only for preliminary &amp; advance work including fencing, construction of camp hut, inspection path and survey.</p>	
	
<p>3. Catchment area plantation -24 ha</p> <ul style="list-style-type: none"> <li>➤ <b>Location:</b> Norykynrih, Pyrursla Range</li> <li>➤ <b>Date of M&amp;E:</b> 30/05/2018</li> </ul> <p><b>Remark:</b> Fund released so far only for preliminary &amp; advance work including fencing, construction of camp hut, inspection path and survey.</p>	



<p>4. Catchment area plantation -34 ha</p> <ul style="list-style-type: none"> <li>➤ <b>Location:</b> Norgkynrih, Pyrursla Range</li> <li>➤ <b>GPS coordinates:</b> N25°28'08.1" E91°52'43.1"</li> <li>➤ <b>Date of M&amp;E:</b> 30/05/2018</li> </ul> <p><b>Remark:</b> Fund released so far only for preliminary &amp; advance work including fencing, construction of camp hut, inspection path and survey.</p>	
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### III. DFO (Silviculture), Shillong

#### a. Establishment of Orchidarium at Upper Shillong

<ul style="list-style-type: none"> <li>➤ Amount Released: 15.00 Lakh</li> <li>➤ Location: 4½ Mile Upper Shillong, under Silviculture Range.</li> <li>➤ Geo-coordinates: N 25°42'02.9" E 91°55'17.4"</li> <li>➤ Date of M&amp;E: 30/05/2018</li> </ul> <p><b>Remark:</b> One orchidarium was established at upper Shillong under Silviculture Division, Shillong and different species of Orchides were planted.</p>	
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#### b. Establishment of seed orchard for 4 important species at Khasi Hills (15 Ha)

<ul style="list-style-type: none"> <li>➤ Amount Released: 14.00 Lakh</li> <li>➤ Location: Lumsohpetbneng -15 ha</li> <li>➤ Geo-coordinates: N 25°42'02.9" E 91°55'17.4"</li> <li>➤ Date of M&amp;E: 30/05/2018</li> </ul> <p><b>Remark:</b> Seed Orchard created at Lumsohpetbneng, Khasi hills in 15 ha and planted <i>Magnolia champaca</i>, <i>Gmelina arborea</i>, and <i>Chukrasia tabularis</i> at spacing of 6m X 6m. The cloned seedlings brought from RFRI, Jorhat, Assam &amp; SFRI, Itanagar, Arunachal Pradesh.</p>	
	



**c. Extension of existing bamboosetum at LumSohpetbneng**

- Amount Released: 5.00 Lakh
  - Location: Lum Sohpetbneng, under Silviculture Range Umsaw( 5 ha)
  - Geo-coordinates: N 25<sup>0</sup>42'02.9" E 91<sup>0</sup>54'47.4"
  - Date of M&E: 30/05/2018
- Remark:** Extension of Bambusetum was done and 36 different bamboo species were planted in the Bambusetum.



**d. Establishment of germplasm plant-cum-gene pool conservation centre for endemic, rare and endangered species, 1 each in Khasi Hills, Jaintia Hills and Garo Hills**

Amount Released: 15.00 Lakhs

Location: Germplasm established in 02 places.

- Location: 1. Nohron -5 ha ( East Khasi Hills)
- Geo-coordinates: N 25<sup>0</sup>20'34.5" ; E 91<sup>0</sup>01'15.4" N25<sup>0</sup>20'27.34.2" ; E 91<sup>0</sup>01;10.7"
- Date of M&E: 30/05/2018

**Remark:** Created 20 beds nursery at Sangmeim, East Khasi Hills and Germplasm plant-cum-gene pool conservation centre for endemic, rare and endangered species established at Nohron.

Species planted: *Podocarpus neriifolia*, *Ilex khasian*, *Ilex excels*, *Gymnocladus assamicus*, *Magnolia lanuginose*, *Magnolia insignis*, *Elaeocarpus prunifolius*, *Acer laevigatum* Wall. *Carpinus viminea* Lindl. *Ficus* Species, *Cryptocaria andersonii* (endemic)





- Location: 2. Saipung -5 ha (Jaintia Hills)
- Geo-coordinates: N 25°16.8.4"E 92°38.9.87"  
N 25°16' 6.70"E 92°38'15.4"
- Date of M&E: 31/05/2018

**Remark:** Created 20 beds nursery at Lamyrsiang, Jaintia Hills and Germplasm plant-cum-gene pool conservation centre for endemic, rare and endangered species established at Saipung.

Species planted: *Podocarpus neriifolia*, *Ilex khasiana*, *Ilex excels*, *Gymnocladus assamicus*, *Magnolia lanuginosa*, *Magnolia insignis*, *Elaeocarpus prunifolius*, *Acer laevigatum* Wall. *Carpinus viminea* Lindl. *Ficus* Species, *Cryptocaria andersonii* (endemic).



**e. Establishment of high tech nursery-cum-training centre at Umkhuti by establishing mist chamber, shade net house, vermicompost unit**

- Amount Released: 20.00 Lakh
- Location: Umkhuti , under Silviculture Division, Shillong
- Geo-coordinates: N 25°42'02.9";  
E 91°55'17.4"
- Date of M&E: 17/07/2018


**Remark:** Created of Hi-Tech nursery Cum Training Centre and constructed of Mist Chamber, Mother bed Chamber & Shade net House.

Species planted : *Taxus wallichina*, *Santalum alba*





**f. Micropropagation of important orchid, timber species, rare endemic plants of Meghalaya**

<ul style="list-style-type: none"> <li>➤ Amount Released: 4.00 Lakh</li> <li>➤ Location: Shillong Silviculture Range, Shillong</li> <li>➤ Geo-coordinates: N 25°42'02.9" E 91°55'17.4"</li> <li>➤ Date of M&amp;E: 17/07/2018</li> </ul> <p><b>Remark:</b> Micropropagation of selected species namely <i>Gymnocladus assamicus</i>, <i>Cymbidium cochleare</i>, <i>Dendrobium falconeri</i>, <i>D. chrysanthum</i>, <i>Vanda coerulea</i>, <i>Panax</i> spp &amp; <i>Gmelina arborea</i> is going on.</p>	
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**g. Preparation of volume table of important timber species in Meghalaya**

This work was assigned to RFRI, Jorhat and volume equations of 4 species were prepared.

**IV. Conservator of Forest (Biodiversity), Shillong**

**a. Preparation of Biodiversity Management Plan for 2 BMCs**

- Location: The work was executed by CF (Biodiversity) Division, Shillong.
- Amount sanction : 6.00 lakhs
- Date of M&E: 29/05/2018

**Remark:** Biodiversity Management Plan prepared for Biodiversity Management Committee in year 2011-12

**b. Creation of Biodiversity Publicity Material**

- Location: The work was executed by CF (Biodiversity) Division, Shillong.
- Amount sanction : 5.00 lakhs
- Date of M&E: 29/05/2018

**Remark:** **Publicity** Material prepared for creation of biodiversity among local people in the year 2011-12

**V. DFO (Training), Shillong**

- a. Regular programme on GIS & GPS Training for frontline staff 12 courses in one year.
  - Amount release: 15.00 lakhs
  - Date of M&E: 30/05/2018

<p><b>9. Training for GIS,GPS course for Frontline staff of Forest &amp; Environment Department</b></p> <ul style="list-style-type: none"> <li>➤ Regular 5 day monthly Training Programme for 10 members Frontline staff of the Forest &amp; Environment Department, Meghalaya per batch for 12 months/batches</li> <li>➤ Amount sanction : 5.00 lakhs</li> </ul> <p><b>Remark:</b> Training on GIS &amp; GPS for frontline staff organized during 2011-12.</p>
<p><b>10. Training on Modern Nursery &amp; Vegetative Propagation Techniques for Frontline staff</b></p> <ul style="list-style-type: none"> <li>➤ Inauguration of Hi-tech Nursery and Training Centre, Umkhuti for 20 nos frontline staff per batch for 5 months/batch.</li> <li>➤ Amount sanction : 5.00 lakhs</li> </ul> <p><b>Remark:</b> An amount of 5 lakhs incurred for Training Programme for Frontline staff of the department during 2011-12</p>

11. Furnishing and Procurement of Crokery items, etc., for the training hostel, Forest Colony, Shillong.

➤ Amount sanction : 5.00 lakhs

**Remark:** An amount of 5 lakhs incurred for procurement of crockery items by the department during 2011-12.

## VI. DFO (Working Plan), Shillong

### a. Comprehensive Forests Resource Inventory of Khasi Hills Region using RS-GIS based methodology of stratified Random-Sampling, Inventory to include Growing stock of the species, GS of Bamboo, Floral survey of Herbs and Shrubs

➤ Amount released: 20.00 lakhs

1. Payment to NRSC , department of Space, ISRO, Hyderabad for data procurement

➤ Amount sanction : 0.4308 lakhs

➤ Date of M&E: 30/05/2018

**Remark:** As per the office data procured from ISRO, Hyderabad.

2. Payment of DEO, and misc expenditure on data analysis up to the month of fund to NRSC , department of Space, ISRO, Hyderabad for data procurement

➤ Amount sanction : 2.10856 lakhs

➤ Date of M&E: 30/05/2018

**Remark:** As per the office record expenditure incurred for data analysis.

3. Purchase of survey equipments etc.

➤ Amount sanction :0.38085 lakhs

➤ Date of M&E: 30/05/2018

**Remark:** As per the office recorded data procured for purchase of survey equipment.

4. Payment of consultant from FSI including travelling cost honorarium etc.

➤ Amount sanction :0.52932 lakhs

➤ Date of M&E: 30/05/2018

**Remark:** As per the office recorded expenditure incurred.

5. Field inventories of growing stock of trees, bamboo etc 2825 no sampling plot

➤ Amount sanction :16.55 lakhs

➤ Date of M&E: 30/05/2018

**Remark:** As per the office recorded expenditure incurred for preparation of field inventories of growing stock of trees, bamboo etc,

## 3.2 Zone II- Jaintia Hills

### 3.2.1 Plantation works

#### I. DFO (T) Jowai

##### a. Compensatory Afforestation for 400 KV D/C line from Pallatana to Bongaigoan (Area 130 Ha)

➤ **Amount Released:** 22.36 Lakh

➤ **Date of M&E:** The site could not visit as the plantation works are yet to be started.

**Remark:** The Office created 266 beds polypot nursery at Saipung Range, East Jaintia Hills District; out of an expenditure of Rs. 12.98 Lakhs only. The balance amount (i.e. Rs. 9.38 lakhs only) was meant for advance work for carrying out 130 Ha. Plantations, which is yet to be started. Supporting documents (Letter No. JH/CAMPA/2015-16/Pt-V/855/A/639 dated 17/01/2018 along with Annexures) provided by the concerned Department/ Office were checked.



**b. Compensatory Afforestation for laying of 132 KV. Khliehriat Badarpur. (Area 32.40 Ha)**

➤ **Amount Released:** 7.92 Lakh

➤ **Date of M&E:** Not visited as the plantation works are yet to be started.

**Remark:** The Office created 115 beds polypot nursery at Umkriang Range, East Jaintia Hills District. The balance amount (i.e. Rs. 2.31 lakhs only) was meant for advance work, which is yet to be started. Supporting documents (Letter No. JH/CAMPA/2015-16/Pt-V/855/A/639 dated 17/01/2018) provided by the concerned Department/ Office were checked.

**c. Creation of Polypot Nursery Beds -300 beds.**

➤ **Amount Released:** 14.40 Lakh

➤ **Location:**

1. Saitsama Village (W.J)-100 beds ; GPS coordinates: N25°43'12.8"; E92°23'30.8"

2. Saipung Range (E.J)-50 beds ; GPS coordinates: N25°19'38.7"; E92°37'10.1"

3. Passadwar Range (W.J)-100 Beds ; GPS coordinates: N25°08'55.8"; E92°12'30.5"

4. Umkiang Range (E.J)- 50 Beds ; GPS coordinates: N25°04'14.5"; E92°22'45.1"

➤ **Date of M&E:** 30/05/18,01/06/18,02/06/18,05/06/18

**Remark:** The nursery beds were constructed and species of *Grevillea robusta*, *Bombax ceiba*, *Gmelina arborea*, *Schima wallichii*, *Michelia champaca*, *Chukrasia*, *Exbucklandia*, *Jacaranda*, *Syzigium* and Cherry were raised.



**d. Plantation of 100 Ha in Saipung Area = 100 Ha**

➤ **Amount Released:** 17.20 Lakh

➤ **Location:** Saipung

➤ **GPS coordinates:** N25°08'55.8", E92°12'30.5"

➤ **Date of M&E:** 05/06/2018

**Remark:** The fund was not released; in spite of availability of seedlings in the nursery. Hence, the plantation could not be carried out by the concerned Department/ Office.

**II. CFO, JHADC, Jowai**

**a. Creation of 346 bed polypot nursery to be used in compensatory Afforestation for diversion of Pallatana - Bongaigoan line**

- Amount Released: 16.94 Lakh
- Location: 1) Tuber Village, Khliehrait Range
- GPS coordinates: N25°25'37.3"; E92°17'23.0"
- 2) Ladakhar Umsalangnar, Protected Forest
- GPS coordinates: N25°20'27.2"; E92°18'57.9"
- Date of M&E: 03/06/2018

**Remark:** The nursery was created and seedlings of *Quercus* spp., Makrisal, Poma, Champa, Neem, *Bucklandia* spp. were raised accordingly.



### b. Advanced work for raising 98.64 Ha Compensatory Afforestation

- Amount Released: 16.97 Lakh
- Location:
- GPS coordinates: 1) N25°20'36.7"; E92°18'53.0"; 2) N25°20'37.6"; E92°18'43.4"
- 3) N25°20'42.5"; E92°12'37.9"
- Date of M&E: 30/05/2018

**Remark:** The area was demarcated and advance work was completed.



## III. DFO (SF), Jowai

### a. Creation of nursery and road side/avenue plantation (6Kms) (at 4 locations)

- Amount Released: 18.54Lakh
- Locations : 4 locations
- i) Namdong Range 1Km  
GPS coordinates: N 25°43'11.8"; E 92°24'54.7"
- ii) Amlarem Range -2Km  
GPS coordinates: N 25°17'05.3"; E 92°06' 36.9"
- iii) Jowai Range: - L.N.K.T. Road- 2 Km (Nangbah village to Mukhla village.)  
GPS coordinates: 1. N 25°31'11.6"; E 92°13'54.4" , 2. N 25°30'57.4"; E 92°13'43.3"
- iv) Khliehriat Range-1 Km  
GPS coordinates: N 25° 20' 38.4"; E 92° 19' 20.6"
- Date of M&E: 30/05/2018, 01/06/2018 & 02/06/2018

**Remark:** Nursery was created and Avenue/ roadside Plantation were done from the seedlings/ plantlets. Plantation was physically seen.

**Species raised:** *Delonix regia*, *Acacia auriculiformis*, *Prunus serrulata*



**b. Creation of polypot nursery-300 beds.**

- **Amount Released:** 14.54 Lakh
- **Locations:** In 5 different locations.
  1. **Ialong Nursery, Jowai Range** - 60 beds  
GPS coordinates: N25°27'52.1"; E92°14'44.5"
  2. **Mynsngat, Namdong range** -60 beds  
GPS coordinates: N25°38'13.1"; E92°14'08.3"
  3. **Nangrum, Shangpung range**-60 beds  
GPS coordinates: N25°28'52.44"; E92°19'59.5"
  4. **Khiliehriat range**-60 beds  
GPS coordinates: N25°21'02.9"; E92°21'27.9"
  5. **Amlarem range campus** - 60 beds  
GPS coordinates: N25°16'19.8"; E92°05'43.7"
- **Date of M&E:** 29/05/18 to 02/06/18




**Remark:** Nursery was created in 5 different sites. Each sites there are 60 nos of beds and accordingly seedlings of species like *Syzygium tetragonum*, *Chukrasia tabularis*, *Alnus nepalensis*, *Bucklandia populnea*, *Cinnamomum* sp., *Castanopsis* sp., *Quercus* sp., Cherry blossom, *Cryptomeria japonica*, *Azadirachta indica*, *Terminalia arjuna*, *Michelia champaca*, *Cyprus* sp., *Jacaranda*, *Acacia* sp., *Grevillea robusta*, & *Pinus kesiya* were raised for plantation.



**c. Creation of plantation in urban forestry**




<ul style="list-style-type: none"> <li>➤ <b>Amount Released:</b> 4.00 Lakh</li> <li>➤ <b>Location:</b> Plantation created in 6 locations. <ul style="list-style-type: none"> <li>1. <b>Police Reserve (0.87 ha)</b> GPS coordinates: N25°27'51.5"; E 92°12'7.1"</li> <li>2. <b>Dist. Jail Campus(1.6ha)</b> GPS coordinates: N25°27'57.1"; E92°12'49.6"</li> <li>3. <b>Jowai Municipal Board (0.26 ha)</b> GPS coordinates: N25°25'43.8"; E92°11'29.4"</li> <li>4. <b>Govt. Girls H.S.S., Jowai (0.35 ha)</b> GPS coordinates: N25°26'11.1"; E92°11'36.2"</li> <li>5. <b>Seinrai Dulong (0.74 ha)</b> GPS coordinates: N25°26'31.3"; E92°12'30.7"</li> <li>6. <b>Seinrai Pannaliar plantation (0.48 ha)</b> GPS coordinates: N25°26'33.4"; E92°12'30.3"</li> </ul> </li> </ul> <p><b>Date of M&amp;E:</b> 29/05/18</p> <p><b>Remark:</b> <i>Quercus</i> spp., <i>Toona ciliata</i>, <i>Exbucklandia</i> spp., <i>Alnus nepalensis</i>, <i>Michelia champaca</i>, <i>Schima wallichii</i>, <i>Cryptomeria japonica</i>, &amp; <i>Castanopsis indica</i> raised in the nursery and planted.</p>	
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### 3.2.2 Civil Works

#### I. DFO (T), Jowai

##### a. Construction of timber storage depot = 1 no

<ul style="list-style-type: none"> <li>➤ <b>Amount Released:</b> 10.00 Lakh</li> <li>➤ <b>Location:</b> Saipung</li> <li>➤ <b>GPS coordinates:</b> N25°27'26.2"; E92°12'47.6"</li> <li>➤ <b>Date of M&amp;E:</b> 29/05/18</li> </ul> <p><b>Remark:</b> The timber storage depot was constructed at Saipung for storage of timber and it was physically seen.</p>	
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##### b. Renovation of field staff quarter below Range Officers level =7 Nos

<ul style="list-style-type: none"> <li>➤ <b>Amount Released:</b> 14.00 Lakh</li> <li>➤ <b>Location:</b> Passadwar Range Office GPS coordinates: N25°08'55.3", E92°12'29.9"</li> <li>➤ Forest I.B. GPS coordinates: N25°08'55.5", E92°12'29.9"</li> <li>➤ First Quarter GPS coordinates: N25°08'55.4", E92°12'30.9"</li> <li>➤ Double unit GPS coordinates: N25°08'55.3"; E92°12'31.2"</li> <li>➤ Beat office cum Type-II Quarter; GPS coordinates: N25°02'42.7", E92°24'42.2"</li> <li>➤ Thadlaskein Park Type -1 quarter ; GPS coordinates: N25°29'44.6", E92°10'27.4"</li> <li>➤ <b>Date of M&amp;E:</b> 30/05/18, 01/06/18, 02/06/18 &amp; 05/06/18</li> </ul> <p><b>Remark:</b> The constructions were physically verified and found intact.</p>	
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## II. DFO (WL), Jowai

### a. Creation of Saltlick (2 Nos.)

- **Amount Released:** 2.00 Lakh
- **Location:**  
**Salt Lick No.1:** GPS coordinates: N25°06'18.67"E92°30'51.65"  
**Salt Lick No.2:** GPS coordinates: N25°06'16.47"; E92°30'11.35"
- **Date of M&E:** 01/06/2018

**Remark:** Two nos of saltlicks were created under Wild Life division, Jowai and both were physically verified.



### b. Construction of Signage

- **Amount Released:** 3.0 Lakh
- **Date of M&E:** 02/06/2018

**Remark:**

- Current Status: - Not yet constructed.
- Reason stated by the SFD, Meghalaya: - Expansion works of the National Highway 44 is still going on. Planning to complete the Signage/s after the completion of NH 44 extension and renovation works.

### c. Construction of forest guard quarter at Khadum

- **Amount Released:** 10.00 Lakh
- **Location:** Khaddum Village
- **GPS coordinates:** N25°17'14.8"; E92°50'11.6"
- **Date of M&E:** 01/06/2018

**Remark:** Due to objection raised by the Khaddum Village headman, the construction work is not yet been completed.



**d. Renovation of field staff quarter below range Officers level =10 Nos**

- **Amount Released:** 20.00 Lakh
  - **Location: A. Sonapur Beat Office -03**  
GPS coordinates: 1. N25°06'33.7"; E92°21'47.3"
  - B. Umkiabng under Sonapur wildlife beat of Umkiang W.R.-01**  
**GPS coordinates:** N25°04'08.6"; E92°22'44.75"
  - C. Ratacherra Wildlife Beat**  
(Office cum quarter – 1 unit)  
**GPS coordinates:**N25°02'33.2"; E92°26'17.5"
  - **Date of M&E:** 01/06/2018
- Remark:** The renovation work was physically verified and found intact.



**e. Name of work: Construction of semi-permanent hut at Moobangla**

- **Amount Released:** 3.00 Lakh
  - **Location:**
  - **GPS coordinates:** N 25° 06'20.42 " E 92° 28' 46.84"
  - **Date of M&E:** 01/06/18
- Remark:** The construction work was physically verified and found intact.



**III. DFO (SF), Jowai**

**a. Construction of forest guard office in Khliehriat**

- **Amount Released:** 10.00 Lakh
  - **Location:** Khliehriat
  - 1) FGQ-(D)**  
GPS coordinates: N25°27'27.6"; E92°12'48.7"
  - 2) Drivers (D)**  
GPS coordinates: N25°27'26.1"; E92°12'47.9"
  - 3) 2Unit quarter /ACF and HAQ**  
GPS coordinates: N25°27'25.4"; E92°12'46.9"
  - 4) Ialong Village/Near Ialong Park 2 unit Barrack**  
GPS coordinates: N25°27'10.7"; E92°15'16.8"
  - **Date of M&E:** 01/06/18
- Remark:** Constructed forest guard Office at Khliehriat





**b. Renovation of field staff quarter below range Officers level =10 Nos**

- **Amount Released:** 10.00 Lakh
- **Location:**
  1. Jowai range-(4 nos.)  
**GPS coordinates:** N25°27'27.6"; E92°12'48.7"
  2. Ialong Village (near Ialong park) [2 unit barrack]  
**GPS coordinates:** N25°27'10.7"; E92°15'16.87"
  3. Namdong (SF Range)-(2 nos.)  
**GPS coordinates:** N25°39'21.5"; E92°14'10.9"
  4. Shangpung SF Range-FG quarter Type – I  
**GPS coordinates:** N25°28'50.8"; E92°20'00.9"
  5. Amlarem SF Range (2 nos.)  
**GPS coordinates:** N25°16'20.2"; E92°05'43.7"
- **Date of M&E:** 29/05/18



**Remark:** The renovation works were physically verified and found intact.



**c. Construction of boundary wall for securing staff quarters below Forest Rangers.**

- **Amount Released:** 10.00 Lakh
- **Location:** 02 location
  1. **Shangpung Range (SF):** GPS coordinates: N25°28'53.8"E92°19'58.7"
  2. **Namdong Range (SF):** GPS coordinates: N25°28'38.9"; E92°11'5.1"
- **Date of M&E:** 30/05/18

**Remark:** The construction was physically verified and found 75 rm of boundary wall along the boundary of the Range office campus intact.



### 3.2.3 Other works

#### I. DFO (WL), Jowai

##### a. Payment of pending ex-gratia amount to the victims

➤ **Amount Released:** 5.20 Lakh

➤ **Date of M&E:** 04/06/2018

**Remark:** As per official records, a total of Rs.5,06,100/- only was disbursed from CAMPA fund, with respect to the wildlife depredation case. The vouchers were physically verified and found correct.

S.No	Name of Victim	APFC No.	Village	Amount	Signature	Signature of Headmaster/Secretary
1	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
2	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
3	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
4	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
5	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
6	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		
7	Mrs. Bhabha Choudhary	0771	Manipur	2,000.00		

##### b. Development & improvement of Community Reserves (7 Nos)

Development work of 7 community reserves was conducted by utilizing an amount of Rs. 19.02 Lakh.

S.N	Name	Year of Estd.	Area (km2)	District
1.	Ka Khloo Thangbru Umsymphu	2014	0.196	East Jaintia Hills
2.	Ka Khloo Pohblai Mooshutia	2014	0.335	East Jaintia Hills
3.	Ka Khloo Langdoh Kur Pyrtuh	2014	0.154	West Jaintia Hills
4.	Khloo Blai Sein Raj Tubur	2014	0.965	West Jaintia Hills
5.	Khloo Blai Kongwasan Khloo Blai Chyrmang	2014	0.07	West Jaintia Hills
6.	Khloo Amrawan	2015	1.29	West Jaintia Hills
7.	Khloo Blai Ka Raj U Landoh longlang	2016	0.15	West Jaintia Hills

Details of the same are given below:

Location : 1. **KA KHLOO POHBLAI MOOSHUTIA Community Reserve(1.14 Ha)**

➤ **GPS coordinates:** N 25°23'42.2"; E 92°15'17.6"

➤ **Date of M&E:** 31/05/2018

**Remark:** Plantation of trees was done. Boundary cum fencing work was done around the Mooshutia (twine stone). 01 (one) Check dam was constructed. Boundary pillars for demarcating the Community forest area were constructed. Patrolling path cum Fire line was created. 1824 nos of seedlings of *Exbucklandia* spp, *Schimawallich* & *Pinuskesiya* planted in the spacing of 2.5 m x 2.5 M. Survival 70%.



Stone boundary around the sacred twine stone(Mooshutia)Check dam inside the Community Reserve



Location : 2. **KA KHLOO THANGBRU-UMSYMPHU Community Reserve(1.14 ha)**

➤ **GPS coordinates:** N25°23'22.3"; E92°15'39.2"

➤ **Date of M&E:** 31/05/2018

**Remark:** Plantation of trees was done. Patrolling path cum Fire line was created. 1824 nos of seedlings of *Exbucklandia* spp., *Schima wallichii* & *Nepenthes khasiana* planted in the spacing of 2.5 m x 2.5 M. Survival 70%.



Plantation of Pitcher Plant

Location : 3. **KHLOOBLAI/ SEINRAIJ/ TUBER/ Community reserve (2.28 ha)**

➤ **GPS coordinates:** N25°26'12.9"; E92°16'31.4"; N25°26'12.1"; E92°16'36.2"; N25°26'10.33"; E92°16'38.36" (Check dam)

➤ **Date of M&E:** 31/05/2018

**Remark** Plantation of trees was done.02 (two) Check dam was constructed. Footpath was laid. 01 (one) Drinking water well was constructed. 3648 nos of seedlings of *Exbucklandia* spp., *Schima wallichii* & *Nepenthes khasiana* planted in the spacing of 2.5 m x 2.5 m. Survival 75%.



Check dam inside the Community Construction of Footpath

Location : 4. **Khloo Blai Seinraij Tuber Community Reserve (Entry Point Activity Drinking water for People) (0.5 ha)**

➤ **GPS coordinates:** N25°26'48.62"; E92°17'21.20"

➤ **Date of M&E:** 31/05/2018

**Remark:** Plantation of trees was done.01 (one) Check dam was constructed. Footpath was laid. Concrete boundary around sacred place and offering place was constructed. Drinking water well for villagers was constructed. 800 nos of seedlings of *Exbucklandia* spp., planted in the spacing of 2.5 m x 2.5 M. Survival 70%.



Location : 5. Ka Khloo Langdoh Kur Pyrtuh Community Reserve (1.14 ha)

- **GPS coordinates:** N25°26'48.62"; E92°17'21.20"
- **Date of M&E:** 31/05/2018

**Remark:** Plantation of trees was done. Concrete Pillars for demarcating boundary of the Community Reserve were laid. Footpath was laid. Drinking water well for villagers was constructed. 1824 nos of seedlings of *Exbucklandia* spp. , *Toona ciliata* planted in the spacing of 2.5 m x 2.5 M. Survival 70%.



➤ Location : 6. Ka KhlooBlai Chyrmang Seinraij Kongwasan Chyrmang Kmai Community Reserve (1 ha)

- **GPS coordinates:** N25°26'48.62"; E92°17'21.20"
- **Date of M&E:** 04/06/2018

**Remark:** Plantation of trees was done. Boundary wall around the ritual site and footpath were constructed. 34 Concrete Pillar for demarcating boundary of the SR were laid. 1600 nos of seedlings of *Exbucklandia* spp., *Toona ciliata* planted. Survival 65%.





### 3.3 Zone III – Garo Hills

#### 3.3.1 Plantation works

##### I. DFO (Territorial), Tura

- a. Creation of Nursery Beds (Polypot) = 300 beds
- b. Plantation of 100Ha in Gittingiri = 100Ha

**Remarks:** As per DFO (T), Tura the area proposed for the plantation during the preparation of proposal was found to be well stocked forest land. New area for the plantation is being searched, therefore plantation was not carried out and nursery for the same was also not created. Funds are still with DFO (T), Tura.

##### II. DFO (Social Forestry), Tura

- a. Creation of Nursery and roadside/ avenue plantation (6Kms)

➤ Amount Released: 18.54 Lakh

- i. Creation of Nursery for roadside/avenue plantation

- Location: Betasing SF Range complex
- Geo-coordinates: N 25°30'17.48"  
E 89°56'44.63"
- Date of M&E : 19/06/2018
- Remark: This is a temporary nursery especially raised to supply saplings for roadside/avenue plantations. Saplings of *Delonix regia* and *Syzygium cumuni* are still available in this nursery.



- ii. Roadside/Avenue plantation

➤ Roadside plantation in Social Forestry Division, Tura was done in three different places. Total length of roadside plantation for all three places is 6 km.

##### 1. On Tura-Guwahati road – 3 km.

- Location: Tura-Guwahati Road
- Geo-coordinates: N 25°42'03.79"  
E 90°21'22.15"
- Date of M&E : 14/06/2018
- Remark: Saplings of *Pongamia pinnata*, *Lagerstroemia*, *Terminalia arjuna*, *Samanea saman* and *Syzygium cumuni* are growing well. Climber cutting is required. 1500 saplings are planted on 3 km stretch of Guwahati-Tura Road. Survival rate: 65%





## 2. On Rongram – Dadengiri road – 1 Km

- Location: Rongram - Dadengiri Road
- Geo-coordinates: N 25°35'52.98"  
E 90°15'07.83"
- Date of M&E : 19/06/2018
- Remark: Saplings of *Mesua ferrea*, *Chukrasia tabularis*, *Pongamia pinnata*, *T. arjuna* and *Syzygium cumuni* are planted. 500 saplings are planted on 1 km stretch.
- Very few saplings of initial plantation (2015-16) are surviving. Gap filling was also done as new saplings were also observed.
- Survival rate : 35% (After gap filling)



## 3. On Betasing – Mancachar Road – 2 km

- Location: Betasing-Mancachar Road
- Geo-coordinates: N 25°28'50.01"  
E 89°56'05.32"
- Date of M&E : 19/06/2018
- Remark: Saplings of *Samanea saman*, *Delonix regia*, *Pongamia pinnata*, *Paltophorum* and *Syzygium cumuni* are planted. 500 saplings are planted on 1 km stretch. Very few saplings of initial plantation (2015-16) are surviving. Gap filling was also done few days before monitoring. Saplings are damaged by cattle.
- Survival rate : 25%





**b. Creation of plantation in urban forestry**

- Amount Released: 4.00 Lakh

**i. Creation of Nursery for urban plantation**

- Location: Tura SF Range Office Complex
- Geo-coordinates: N 25°31'02.70"  
E 90°10'40.90"
- Date of M&E : 20/06/2018
- Remark: This is a temporary nursery especially raised to supply saplings for urban plantations. Saplings of *Putranjiva*, *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Mesua ferrea* *Michelia champaca* and *Syzygium cumuni* are still available in this nursery.



**ii. Urban plantation**

- Urban plantation in Social Forestry Division, Tura was done in two different places. Total area of urban plantation for both places is 4 ha. (2 ha. Each).

**1. In Tura town – 2ha.**

- Location: Different places in Tura Town
- Geo-coordinates:  
1: N 25°31'13.60"; E 90°10'31.43"  
2: N 25°31'02.91"; E 90°10'54.62"  
3: N 25°31'52.02"; E 90°13'17.00"
- Date of M&E : 20/06/2018
- Remark: Saplings of *Delonix regia*, *Pongamia pinnata*, *Lagerstroemia*, *Terminalia arjuna*, *Samanea saman* and *Syzygium cumuni* are growing well. Climber cutting is required. 2200 saplings are planted in different places in Tura Town. Gap filling was also done in some places. Survival rate: 55%





## 2. In Ampati Town – 2 ha

- Location: Different places in Ampati Town
- Geo-coordinates:
  - 1: N 25°27'55.38"; E 89°56'41.04"
  - 2: N 25°28'05.58"; E 90°55'57.56"
- Date of M&E : 19/06/2018
- Remark: Saplings of *Delonix regia*, *Pongamia pinnata*, *Lagerstroemia*, *Terminalia arjuna*, *Samanea saman* and *Syzygium cumuni* are growing well. Climber cutting is required. 2200 saplings are planted in different places in Tura Town. Gap filling was also done in some places.
- Survival rate of first year plantation is less than 5% and approx 45% after gap filling.



## c. Creation of 300 beds polypot nursery

- Location: Danakgre Near SMPB nursery
- Geo-coordinates: N 25°31'00.33"  
E 90°09'40.85"
- Date of M&E : 20/06/2018
- Remark: A 300 bed polypot nursery was raised near to the SMPB nursery and seedlings of *Anthocephalus cadamba*, *T. Myrocarpa*, *Lagerstroemia*, *Syzygium cumuni*, *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Mesua ferrea*, *Michelia champaca*, *Cassia fistula*, etc. All fast growing saplings are over grown. Forest dept doesn't have the capacity to sell or plant that much saplings. Totally mismanaged and was raised just for utilizing the allotted funds without any plan for long-






<p>term utilization of nursery. This nursery is on private land and lease is up to 2021 only.</p>	
	

### III.DFO (Social Forestry), Williamnagar

#### a. Creation of Nursery and roadside/ avenue plantation (6Kms)

➤ Amount Released: 18.54 Lakh


##### 1. Creation of Nursery for roadside/avenue plantation:

<ul style="list-style-type: none"> <li>➤ Location: Bajengduba SF Range Office</li> <li>➤ Geo-coordinates: N 25°54'08.70"; E 90°31'37.50"</li> <li>➤ Date of M&amp;E : 14/06/2018</li> <li>➤ Remark: Temporary nurseries were raised to supply saplings for roadside/avenue plantations in different places. Saplings of <i>Mimusops elengi</i>, <i>Pongamia pinnata</i>, <i>Delonix regia</i>, <i>Mesua ferrea</i>, <i>Michelia champaca</i> and <i>Syzygium cumuni</i> are still available in this nursery.</li> </ul>	
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##### 2. Roadside/Avenue plantation

➤ Roadside plantation in Social Forestry Division, Williamnagar was done in three different places. Total length of roadside plantation for all three places is 6 km.

##### 3. On Songsak Roadin Williamnagar RF Range – 2 km.

<ul style="list-style-type: none"> <li>➤ Location: Williamnagar-Songsak Road</li> <li>➤ Geo-coordinates: N 25°35'26.04"; E90°48'30.42"</li> <li>➤ Date of M&amp;E : 19/06/2018</li> <li>➤ Remark: Saplings of <i>Mesua ferrea</i>, <i>Chukrasia tabularis</i>, <i>Pongamia pinnata</i>, <i>T. arjuna</i> and <i>Syzygium cumuni</i> are planted. 500 saplings are planted on 5 km stretch (wherever space is available). Many saplings are highly infested by climbers especially <i>Macuna pruriens</i>. Gap filling was also done as new saplings were also observed. Survival rate : 60% (After gap filling)</li> </ul>	
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#### 4. On Nongstoin Road in Rongjeng Range – 2 Km

- Location: Rongjeng – Nongcharm Road
  - Geo-coordinates: N 25°35'52.98”  
E 90°15'07.83”
  - Date of M&E : 19/06/2018
- Remark:** Saplings of *Mesua ferrea*, *Chukrasia tabularis*, *Pongamia pinnata*, *T. arjuna* and *Syzygium cumuni* are planted. 500 saplings are planted on 5 km stretch (wherever space is available). Gap filling was also done as new saplings were also observed. Survival rate : 50% (After gap filling)



#### 5. On Tura- Guwahti Road in Bajengduba Range – 2 km

- Location: Betasing-Mancachar Road
  - Geo-coordinates: N 25°46'5.60"N  
E 90°25'4.50"E
  - Date of M&E : 14/06/2018
- Remark:** Saplings of *Samanea saman*, *Aquilaria malaccensis*, *Pongamia pinnata*, *Melia azadirach*, *Paltophorum* and *Syzygium cumuni* are planted. 500 saplings are planted on 1 km stretch. Gap filling was also done few days before monitoring. Saplings are damaged by cattle. Survival rate : 55%





### b. Creation of plantation in urban forestry

- Location: Tura SF Range Office Complex
- Geo-coordinates:
  - 1: N 25°30'26.33"; E 90°36'20.24"
  - 2: N 25°30'35.22"; E 90°36'02.49"
- Amony released : 4.00 lakh
- Date of M&E : 15/06/2018
- Total Saplings planted: 4400 (1100/ha.)

**Remark:** Urban plantation was done in different places in Williamnagar Town. Saplings of *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Michelia champaca* and *Syzygium cumuni* were planted. Bamboo caging was also done. Survival rate is 65%



### c. Creation of 300 beds polypot nursery

- Amount Released: 18.54 Lakh
- Three different polypot nurseries were raised under DFO (SF), Williamnagar. Total 300 beds were made in these nurseries collectively.

#### 1. North Garo Hills, Resulbelapara- 60 bed by Bajengduba (SF)Range

- Location: Danakgre Near SMPB nursery
- Geo-coordinates: N 25°31'00.33"  
E 90°09'40.85"
- Date of M&E : 20/06/2018
- Remark: A 60 bed polypot nursery was raised near Rasulbelpara Town. *Duabanga*, *Chukrasia*, *Anthocephalus cadamba*, *Eleocarpus*, *Syzygium cumuni*, *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Lagerstroemia*, Silver Oak, *Michelia*, etc. seedlings were raised. All fast growing saplings are over grown. Forest dept doesn't have the capacity to sell or plant that much saplings. Totally mismanaged and was raised just for utilizing the allotted funds without any plan for long-term utilization of nursery.







## 2. In Chirangre Beat – 90 bed by Williamnagar (SF) Range

- Location: Near Chirangre Beat office
- Geo-coordinates: N 25°28'14.93" E 90°36'49.63"
- Date of M&E : 13/06/2018

**Remark:** A 90 bed polypot nursery was raised near Rasulbelpara Town. *Duabanga*, *Chukrasia*, *Anthocephalus cadamba*, *T. arjuna*, *Eleocarpus*, *Syzygium cumuni*, *Melia azadirach*, *Pongamia pinnata*, *Delonix regia*, *Gmelina*, *Michelia*, etc. seedlings were raised. Almost 50% beds are already eroded and 40% beds of the remaining are having overgrown saplings. Only 5% beds are having plantable saplings. Nursery is not managed for long-term utilization.



## 3. Near to Samjong high-tech nursery – 150 bed by Williamnagar (SF) Range

- Location: Samjong high-tech nursery
- Geo-coordinates: N 25°30'41.69" E 90°36'57.76"
- Date of M&E : 15/06/2018
- Remark: A 150 bed polypot nursery was raised near Rasulbelpara Town. *Anthocephalus cadamba*, *Mesua ferrea*, *T. arjuna*, *Eleocarpus*, *Syzygium cumuni*, *Melia azadirach*, *Pongamia pinnata*, *Gmelina*, *Michelia*, etc. seedlings were raised. Almost 60% beds are already eroded and 40% beds of the remaining are having overgrown saplings. Only 3 beds are having plantable saplings of *Mesua ferrea* only. Badly managed nursery without any long-term utilization plan.







#### IV. DFO (Social Forestry), Baghmara

##### a. Creation of Nursery and roadside/avenue plantation (6Kms)

- Amount Released: 18.54 Lakh
- i. Creation of Nursery for roadside/avenue plantation
  - Temporary nurseries were raised in Bhaghmara and Khondak ranges to supply the tall saplings for roadside plantation in respective SF Ranges. All the plants have been utilized for the said purpose.
- ii. Roadside/avenue Plantations
  - Roadside plantation in Social Forestry Division, Baghmara was done in two different places. Total length of roadside plantation for all three places is 6 km. Details of both the places is given below:

##### 1. On Hill Road/Boarder Road – 3 km by Baghmara SF Range

- Location: Sibbari on Boarder Road
- Geo-coordinates:
  - 1: N 25°09'32.68"; E 90°28'35.04"
  - 2: N 25°10'22.28"; E 90°30'4.80"
- Date of M&E : 18/06/2018
- Remark: Saplings of *Pongamia pinnata*, *Lagerstroemia*, *Terminalia chebula*, *Delenia indica*, *Paltophorum*, *Mimusops elengi* and *Syzygium cumuni* are growing well. 1500 saplings are planted on Boarder and hill roads covering more than 3 km stretch together.
- Survival rate: 70%



2. On Tura Road - 3 km by Khondak SF Range

- Location: Dimapara to Kapisipara on NH-62
- Geo-coordinates:
  - 1: N 25°11'56.72"; E 90°20'19.70"
  - 2: N 25°11'59.11"; E 90°19'43.22"
- Date of M&E : 18/06/2018
- Remark: Saplings of *Pongamia pinnata*, *Acacia mollissima*, *Mimusops elengi*, *Lagerstroemia*, *Micheliachampaca* and *Syzygium cumuni* are planted. 1500 saplings are planted but survival of initial plantation is less than 5%. Some gap filling is also done just few days before the monitoring. Badly managed roadside plantation.
- Survival rate: 35% (after gap filling)



**b. Creation of plantation in urban forestry**

- Amount Released: 4.00 Lakh
- Urban plantation in Social Forestry Division, Baghmara was done in two different places. Total area of urban plantation for both places is 4 ha. (2 ha. Each).

1. In Baghmara Town

- Location: Different places in Baghmara Town
- Geo-coordinates:
  - 1: N 25°12'14.40"; E 90°37'58.30"
  - 2: N 25°12'21.60"; E 90°38'01.02"
- Date of M&E : 16/06/2018
- Remark: Saplings of *Delonix regia*, *Pongamia pinnata*, *Lagerstroemia*, *Terminalia arjuna*, *Samanea saman* and *Syzygium cumuni* are growing well. Climber cutting is required in some places. 2200 saplings are planted in different places in Baghmara Town. Growth of available sapling is good.
- Survival rate: 55%







## 2. Khondak, BDO Office Campus

- Location: Khondak BDO Office Campus
- Geo-coordinates: N 25°12'05.39"  
E 90°18'42.81"
- Date of M&E : 18/06/2018
- Remark: Saplings of *Delonix regia*, *Pongamia pinnata*, *Lagerstroemia*, *Terminalia arjuna*, *Samanea saman* and *Syzygium cumuni* are growing well. 2200 saplings are planted in BDO Office Campus, Khondak. Very few saplings were seen of first plantation. >90% saplings are new and were planted just days before with new caging. No sign board was available.
- Survival rate: 30%



## c. Creation of 300 beds polypot nursery

- Amount Released: 18.54 Lakh
- Three different polypot nurseries were raised under DFO (SF), Baghmara. Total 300 beds were made in these nurseries collectively.



1. In Baghmara- 150 bed by Baghmara SF Range

- Location: Danakgre Near SMPB nursery
- Geo-coordinates: N 25°12'44.76"; E 90°38'15.18"
- Date of M&E : 16/06/2018
- Remark: A 150 bed polypot nursery was raised near Baghmara town. *Acacia mangium*, *Chukrasia*, *Cassia siamea*, *Duabanga*, *Tribia nodiflora*, *Anthocephalus cadamba*, *Eleocarpus T. Myrocarpa*, *T. chebula*, *T. arjuna*, *Teak*, *M. champaca*, *Syzygium cumuni*, *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Lagerstroemia*, *Melia* etc. seedlings were raised. Half of the beds already eroded. Maximum saplings are over grown and not useful for plantation.



2. In Khondok- 75 bed by Khondok SF Range

- Location: Gasuapara Village, Khondak
- Geo-coordinates: N 25°11'36.66"; E 90°20'42.98"
- Date of M&E : 18/06/2018
- Remark: A 75 bed polypot nursery was raised in Gasuapara village near Khondok. As per official records seedlings of different species were raised but during the inspection not even a single bed was found to be there. Land was under private ownership and was taken on lease till April, 2018. After lease period land owner uproot all saplings by using JCB.





### 3. In Goka- 75 bed by Masighat SF Range

- Location: Danakgre Near SMPB nursery
- Geo-coordinates: N 25°12'44.76"; E 90°38'15.18"
- Date of M&E : 16/06/2018
- Remark: A 75 bed polypot nursery was raised near Baghmara town. *Acacia mangium*, *Chukrasia*, *Cassia siamea*, *Duabanga*, *Artocarpus chaplasi*, *Anthocephalus cadamba*, *T. arjuna*, *Teak*, *M. champaca*, *Syzygium cumuni*, *Mimusops elengi*, *Pongamia pinnata*, *Delonix regia*, *Lagerstroemia*, *Melia* etc. seedlings were raised. Most of the beds already eroded. Maximum saplings are over grown and not useful for plantation.



### 3.3.2 Civil Works

#### I. DFO (T) Tura

##### a. Construction of timber storage depot = 1 No.

- Amount released: Rs. 10.00 Lakh
- Location: Dainadubi RFO (T) Campus
- Geo-coordinates : N25°54'18.10"  
E 90°46'34.40"
- Date of M&E: 14/06/2019
- **Remark:** Timber depot has been constructed and being used for storage of seized vehicle with illegal timber.
- Timber depot is in good condition



##### b. Renovation of staff quarter below range officers level = 7 Nos.

Total Rs. 14 lakhs were released for the renovation of 7 quarters in different forest ranges and independent beats of erstwhile Garo hills forest Division. Rs. 2 lakhs for each quarter were utilized.

<p><b>1. Baghmara Forest Range: 1 No.</b></p> <ul style="list-style-type: none"> <li>➤ Amount utilised: Rs. 2.00 Lakh</li> <li>➤ Location: Baghmara Forest Range office campus</li> <li>➤ Geo-coordinates : N 25°11'48.50" E 90°38'41.30"</li> <li>➤ Date of M&amp;E: 17/06/2019</li> </ul> <p><b>Remark:</b> White washing, painting, repair of windows and roof was done. Plaster of walls was also repaired.</p>	
<p><b>2. Songsak Independent Beat: 1 No.</b></p> <ul style="list-style-type: none"> <li>➤ Amount utilised: Rs. 2.00 Lakh</li> <li>➤ Location: Agalgiri Sub-beat office</li> <li>➤ Geo-coordinates : N 25°38'37.20" E 90°37'51.30"</li> <li>➤ Date of M&amp;E: 13/06/2019</li> </ul> <p><b>Remark:</b> White washing, painting, repair of windows and roof was done. Plaster of walls was also repaired. Quarter doesn't have any number.</p>	
<p><b>3. Dainadubi Forest Range: 1 No.</b></p> <ul style="list-style-type: none"> <li>➤ Amount utilised: Rs. 2.00 Lakh</li> <li>➤ Location: Dainadubi RFO campus</li> <li>➤ Geo-coordinates : N 25°54'21.00" E 90°46'33.90"</li> <li>➤ Date of M&amp;E: 14/06/2019</li> </ul> <p><b>Remark:</b> White washing, painting, repair of walls, windows and roof was done. The renovation work was done in more than two quarters in the Dainadubi RFO campus.</p>	
<p><b>4. Adokgre Independent Beat: 1 No.</b></p> <ul style="list-style-type: none"> <li>➤ Amount utilised: Rs. 2.00 Lakh</li> <li>➤ Location: Badkha Sub Beat campus</li> <li>➤ Geo-coordinates : N 25°53'01.30" E 90°58'22.10"</li> <li>➤ Date of M&amp;E: 14/06/2019</li> </ul> <p><b>Remark:</b> Floor, wall, doors and windows were repaired and damaged CGI sheets were replaced. White washing and painting were also done.</p>	



**5. Tura Beat: 1 No.**

- Amount utilised: Rs. 2.00 Lakh
- Location: DFO (T) office campus
- Geo-coordinates : N 25°30'58.80"  
E 90°13'17.70"
- Date of M&E: 23/06/2019

**Remark:** Qtr No. 21 was renovated. Floor, wall, doors and windows were repaired. Painting was also done. Quarter is in good condition.



**6. Holaidanga Range: 1 No.**

- Amount utilised: Rs. 2.00 Lakh
- Location: Holaidanga Beat Office Campus
- Geo-coordinates : N 25°56'46.00"  
E 90°08'22.00"
- Date of M&E: 23/06/2019

**Remark:** Floor, walls, doors and windows were repaired. CGI sheets in roof were replaced. Painting was also done. Quarter is in good condition.



**7. Tura Statistical Range: 1 No.**

- Amount utilised: Rs. 2.00 Lakh
- Location: Beat office (Stats), Tura
- Geo-coordinates : N 25°30'53.80"  
E 90°13'4.50"
- Date of M&E: 23/06/2019

**Remark:** It seems that no renovation work has been done in this quarter. Quarter is in very bad condition and needs a lot of repair work. Not satisfactory.



**II. DFO (WL), Tura**

**a. Renovation of field staff quarters below range officer level = 10 Nos.**

Total Rs. 20 lakhs were released for the renovation of 10 field staff quarters in different ranges of Tura (WL) Division. As informed by DFO (WL), Tura that the renovation work




was not much in each quarter, therefore whole amount was utilized for the repair of more quarters at different places including Forest (WL) Complex, Dakopgre, Tura.

**1. Location: Wildlife Forest Complex, Dakopgre, Tura**

- Geo-coordinates : N 25°31'00.00"  
E 90°10'39.00"
- Date of M&E: 12/06/2019
- **Remark:** Total 7 quarters were renovated. Floor, wall, doors and windows of all quarters were repaired. Painting was also done. All quarters are in good condition.





<p><b>2. Location: Dadenggre (WL) Range</b></p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates : N 25°43'19.66" E 90°11'53.67"</li> <li>➤ Date of M&amp;E: 19/06/2019</li> <li>➤ <b>Remark:</b> Forest Guard quarters were renovated. Roof ceiling, doors and windows of all quarters were repaired. Painting/white wash was also done. All quarters are in good condition.</li> </ul>	
<p><b>3. Location: Northern Nokrek Range</b></p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates : N 25°35'05.30" E 90°17'12.80"</li> <li>➤ Date of M&amp;E: 21/06/2019</li> <li>➤ <b>Remark:</b> Beat office cum quarter was renovated at Rengsanggre was renovated. CGI sheets in Roof, doors and windows quarters were repaired. Painting was also done. Quarters is in very good condition.</li> </ul>	
<p><b>4. Location: Williamnagar WL protection Range</b></p> <ul style="list-style-type: none"> <li>➤ Geo-coordinates : N 25°31'02.64" E 90°36'09.90"</li> <li>➤ Date of M&amp;E: 21/06/2019</li> <li>➤ <b>Remark:</b> Forester quarter was renovated. CGI sheets in Roof, doors and windows of quarter were repaired. Painting was also done. Quarters are in good condition.</li> </ul>	

### III. DFO (BNP), Baghmara

#### a. Renovation of field staff quarters below range officer level = 10 Nos.

Total Rs. 20 lakhs were released for the renovation of 10 field staff quarters in 3 ranges of Garo Hills (WL) Division, BNP. Three quarters in Baghmara, 4 in Siju and 3 in Mahadeo were renovated.

<p><b>1. In Siju Wildlife Range: 4 nos</b></p> <ul style="list-style-type: none"> <li>➤ <b>Quarter no. 06</b></li> <li>➤ Location: Siju (WL) Range Office Campus</li> <li>➤ Geo-coordinates : N 25°21'15.77" E 90°41'09.93"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> CGI sheets in roof, doors, windows and toilet were repaired. Painting and white washing was also done. Quarter still needs some repairing.</li> </ul>	
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- **Quarter no. 09**
- Location: Siju (WL) Range Office Campus
- Geo-coordinates : N 25°21'16.07"  
E 90°41'13.61"
- Date of M&E: 15/06/2019
- **Remark:** CGI sheets in roof, doors and windows were repaired. Painting and white washing was also done. Quarter still needs some repairing in floor.



- **Quarter no. 10**
- Location: Siju (WL) Range Office Campus
- Geo-coordinates : N 25°21'15.94"  
E 90°41'13.09"
- Date of M&E: 15/06/2019
- **Remark:** Roof, doors, windows and toilet were repaired. Painting and white washing was also done. Quarter still needs repairing.



- **Quarter no. 15**
- Location: Rewak
- Geo-coordinates : N 25°18'05.09"  
E 90°39'40.12"
- Date of M&E: 15/06/2019
- **Remark:** Roof, doors, windows and toilet were repaired. Painting and white washing was also done. Quarter still needs repairing.



- 2. In Baghmara Wildlife Range: 3 nos**
- **2 unit forester quarter no. 9/10**
- Location: Baghmara (WL) Range Office Campus
- Geo-coordinates : N 25°12'28.30"  
E 90°38'19.20"
- Date of M&E: 16/06/2019
- **Remark:** CGI sheets in roof were replaced; doors, windows and septic tank were repaired. Painting and white washing was also done.



- **Staff quarter no. 13/14**
- Location: Baghmara (WL) Range Office Campus
- Geo-coordinates : N 25°12'30.30''  
E 90°38'19.20''
- Date of M&E: 16/06/2019
- **Remark:** CGI sheets in roof were replaced; ceiling, doors, windows and septic tank were repaired. Painting and white washing was also done.



- **Staff quarter no. 17**
- Location: Baghmara (WL) Range Office Campus
- Geo-coordinates : N 25°12'36.40''  
E 90°38'16.20''
- Date of M&E: 16/06/2019
- **Remark:** Complete change of roofing; ceiling, doors, windows and toilet were repaired. Painting and white washing was also done.



- 3. In Mahadeo (WL) Range: 3 nos**
- **Qrt- 1 of Asim Chiring**
- Location: Mahadeo
- Geo-coordinates : N 25°10'52.41''  
E 90°53'00.77''
- Date of M&E: 16/06/2019
- **Remark:** Complete replacement of roofing, windows and doors was done. Wall plaster, painting and white washing were also done. Quarter was in very good condition now which was very bad before renovation.



- **Qtr No-7 ( 2 Units)**
- Location: Hatisia, Mahadeo
- Geo-coordinates : N 25°11'16.46''  
E 90°38'19.20''
- Date of M&E: 16/06/2019
- **Remark:** Complete replacement of roofing, windows and doors was done. Wall plaster, painting and white washing were also done. Quarter was in very good condition now which was very bad before renovation.





- **Qtr No-1 ( 2 Units)**
  - Location: Maheshkhola
  - Geo-coordinates : N 25°11'17.69''  
E 90°58'17.59''
  - Date of M&E: 16/06/2019
- Remark:** Complete change of roofing; ceiling, doors, windows and toilet were repaired. Quarter was in very good condition now which was very bad before renovation.



#### b. Construction of jeepable gravel road Chimitap to Balpakram (Length 2 kms)

- Amount released: Rs. 20 lakhs
  - Location: Balpakram National Park
  - Geo-coordinates :  
N 25°15'45.70''; E 90°48'52.01''  
N 25°15'10.59''; E 90°48'40.62''
  - Date of M&E: 16/06/2019
- Remark:** Complete change of roofing; ceiling, doors, windows and toilet were repaired. Quarter was in very good condition now which was very bad before renovation.



### IV. DFO (SF), Tura

#### a. Renovation of field staff quarters below range officer level = 10 Nos.

Total Rs. 10 lakhs were released for the renovation of 10 field staff quarters below range officer in Tura (SF) Division. Four quarters in Betasing SF Range, 2 in Dadenggre, and 4 in Tura SF Beat were renovated.

1. **In Betsing (SF) Range: 4 nos**
  - Location: Betasing (SF) RO Campus
  - Geo-coordinates : N 25°31'06.10''  
E 89°57'40.30''
  - Date of M&E: 19/06/2019
- Remark:** Total 2 quarters were renovated at this location utilizing Rs. 1 lakh for each. Roof and ceiling of all quarters was repaired. White wash and painting was also done for all. One store room cum muster roll quarter was constructed







- **Chawkidar Quarter**
- Location: Nagarpara Children Park
- Geo-coordinates : N 25°20'57.10''  
E 89°49'55.40''
- Date of M&E: 19/06/2019

**Remark:** One more room was constructed as extension of existing Chawkidar quarter. Extension part is god condition.



**2. In Dadenggre (SF) Range: 2 nos**

- **Forest Guard Quarter**
- Location: Dadenggre (SF) RO Campus
- Geo-coordinates : N 25°43'18.60''  
E 90°11'51.90''
- Date of M&E: 19/06/2019

**Remark:** Roof and ceiling of quarter was repaired. White wash and painting was also done. Quarter is in good condition.



- **Forest Guard Quarter**
- Location: Garbadha Children Park
- Geo-coordinates : N 25°43'18.60''  
E 90°11'51.90''
- Date of M&E: 19/06/2019

➤ **Remark:** Roof and ceiling of quarter was repaired. Bamboo made wall and doors were renovated (complete replacement). Toilets were also build.








<p><b>3. In Tura (SF) Range: 4 nos</b></p> <ul style="list-style-type: none"> <li>➤ <b>Quarter No. 03 (LDA)</b></li> <li>➤ Location: Tura (SF) Beat Campus</li> <li>➤ Geo-coordinates : N 25°43'01.44'' E 90°11'40.02''</li> <li>➤ Date of M&amp;E: 20/06/2019</li> <li>➤ <b>Remark:</b> Roof, door and ceiling of quarter was repaired. White wash and painting was also done. Quarter is in good condition.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Quarter No. 04 (LDA)</b></li> <li>➤ Location: Tura (SF) Beat Campus</li> <li>➤ Geo-coordinates : N 25°43'18.60'' E 90°11'51.90''</li> <li>➤ Date of M&amp;E: 20/06/2019</li> <li>➤ <b>Remark:</b> Roof, door and ceiling of quarter was repaired. White wash and painting was also done. Quarter is in good condition.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>4th Grade Quarter</b></li> <li>➤ Location: Tura (SF) Beat Campus</li> <li>➤ Geo-coordinates : N 25°43'00.66'' E 90°11'41.76''</li> <li>➤ Date of M&amp;E: 20/06/2019</li> <li>➤ <b>Remark:</b> Sanitary toilets were constructed for the 4<sup>th</sup> grade quarters which are in good condition now.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Forest Guard Quarter</b></li> <li>➤ Location: Tura (SF) Beat Campus</li> <li>➤ Geo-coordinates : N 25°43'02.22'' E 90°11'40.86''</li> <li>➤ Date of M&amp;E: 20/06/2019</li> <li>➤ <b>Remark:</b> Extension 1 room in existing forest guard quarters was done. White washing and minor repair works in roof and windows were also done.</li> </ul>	

## V. DFO (SF) Williamnagar

### a. Renovation of field staff quarters below range officer level = 10 Nos.

Total Rs. 10 lakhs were released for the renovation of 10 field staff quarters below range officer in Williamnagar (SF) Division. Five quarters in Williamnagar SF Range, 2 in Kharkuta, 2 in Rongjeng and 1 in Bajengduba SF Range were renovated.



<p><b>1. In Williamnagar (SF) Range: 5 nos</b></p> <ul style="list-style-type: none"> <li>➤ <b>Quarter no. B/15</b></li> <li>➤ Location: Williamnagar (SF) Range Office Campus</li> <li>➤ Geo-coordinates : N 25°30'37.83" E 90°36'03.60"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> Roof, doors, windows and toilet were repaired. Painting and white washing was also done.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Quarter no. B/10</b></li> <li>➤ Location: -do-</li> <li>➤ Geo-coordinates : N 25°30'36.61" E 90°36'03.58"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> CGI sheets in veranda, walls, doors and windows were repaired. Damaged ceiling was also replaced. Painting and white washing was done.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Quarter no. B/8</b></li> <li>➤ Location: -do-</li> <li>➤ Geo-coordinates : N 25°30'51.10" E 90°36'12.50"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> Damaged CGI sheets in roof were replaced. Doors, windows and ceiling were repaired. Painting and white washing was also done.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Quarter no. NA</b></li> <li>➤ Location: Williamnagar</li> <li>➤ Geo-coordinates : N 25°30'46.90" E 90°36'05.60"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> Damaged CGI sheets in roof were replaced. Doors, windows and ceiling were repaired. Painting and white washing was also done. Quarter is in good condition.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ <b>Quarter no. B/16</b></li> <li>➤ Location: Williamnagar</li> <li>➤ Geo-coordinates : N 25°30'46.90" E 90°36'05.60"</li> <li>➤ Date of M&amp;E: 15/06/2019</li> <li>➤ <b>Remark:</b> Damaged CGI sheets in roof were replaced. Doors, windows and ceiling were repaired. Septic tank was also repaired.</li> </ul>	



**2. In Kharkuta (SF) Range: 2 nos**

- **Quarter no. NA**
- Location: Kharkuta (SF) RO Campus
- Geo-coordinates : N 25°55'30.00''  
E 90°53'57.10''
- Date of M&E: 14/06/2019

**Remark:** Roof ceiling and glass of windows were replaced. Quarter has no electricity. Occupant of quarter was saying that quarter is not renovated as per requirements.



- **Quarter no. NA**
- Location: Kharkuta (SF) RO Campus
- Geo-coordinates : N 25°25'30.10''  
E 90°53'56.60''
- Date of M&E: 14/06/2019

**Remark:** CGI sheets (10nos), roof ceiling and glass of windows were replaced. Electricity repair works need to be done. Quarter is in good condition



**3. In Bajengduba (SF) Range: 1 no**

- **Quarter no. NA**
- Location: Bajengduba (SF) RO Campus
- Geo-coordinates : N 25°54'02.90''  
E 90°31'47.30''
- Date of M&E: 14/06/2019

➤ **Remark:** CGI sheets (4 nos) and 1 door was replaced. Septic tank and walls were repaired. Renovation is not satisfactory and quarter still is in bad condition; needs a lot of repair work.



**4. In Rongjeng (SF) Beat: 2 nos**

- **Quarter no. NA**
- Location: Rongjeng (SF) Beat Campus
- Geo-coordinates : N 25°37'33.18''  
E 90°46'21.82''
- Date of M&E: 13/06/2019

➤ **Remark:** Damaged CGI sheets were replaced. Windows and walls were repaired. White wash also done. Quarter still needs repair work.



- **Quarter no. NA**
- Location: Rongjeng (SF) Beat Campus
- Geo-coordinates : N 25°37'32.52''  
E 90°46'21.84''
- Date of M&E: 13/06/2019

**Remark:** Damaged CGI sheets were replaced. Windows and walls were repaired. White wash also done. Quarter is in good condition.



#### b. Construction of two forest Guard quarter in Resubelpara and Williamnagar

Two quarters were proposed to be constructed by utilizing Rs. 20 Lakh but only one quarter in Williamnagar (SF) Range office campus is constructed. Another quarter is yet to be constructed in Resubelpara.

- **Quarter no. B/25**
- Amount Utilised: Rs. 10 Lakhs
- Location: Williamnagar (SF) Range Office Campus
- Geo-coordinates : N 25°30'37.83''  
E 90°36'03.60''
- Date of M&E: 15/06/2019
- **Remark:** This quarter was constructed during March-Mar, 2017. Plinth area is 52m<sup>2</sup>. Quarter is in good condition.



#### c. Construction of boundary wall for securing staff quarter below Forest Rangers

- **Construction of wall**
- Amount Utilised: Rs. 10 Lakhs
- Location: Chirangre Beat
- Geo-coordinates : N 25°28'16.60''  
E 90°36'54.99''
- Date of M&E: 13/06/2019
- **Remark:** The boundary wall has been constructed and barbet wiring is still remaining to be done



### VI. DFO (SF) Baghmara

#### a. Renovation of field staff quarters below range officer level = 10 Nos.

Total Rs. 10 lakhs were released for the renovation of 10 field staff quarters below range officer in Baghmara (SF) Division. Seven quarters in Baghmara SF Range and 3 in Khondok SF Range were renovated utilizing Rs. 1 lakh for each quarter.



**1. In Baghmara (SF) Range: 7 Nos.**  
 ➤ **Renovation of Range Office**  
 ➤ Location: Baghmara (SF) Range Campus  
 ➤ Geo-coordinates : N 25°12'42.20''  
 E 90°38'27.00''  
 ➤ Date of M&E: 16/06/2019  
**Remark:** Solar street lights were installed.  
 White washing and painting was done.



➤ **Beat Officer Quarter**  
 ➤ Location: Baghmara (SF) Range Campus  
 ➤ Geo-coordinates : N 25°12'41.90''  
 E 90°38'27.70''  
 ➤ Date of M&E: 16/06/2019  
**Remark:** CGI Sheets in roof, ceiling, and glass in windows were replaced. White washing and painting were also done. Quarter is good condition.



➤ **IV grade Quarter (Forest Guard)**  
 ➤ Location: Baghmara (SF) Range Campus  
 ➤ Geo-coordinates : N 25°12'43.30''  
 E 90°38'27.50''  
 ➤ Date of M&E: 16/06/2019  
**Remark:** CGI Sheets in roof, ceiling, and glass in windows were repaired. White washing and painting were also done. Quarter is in good condition



➤ **Forester Quarter (II unit)**  
 ➤ Location: Baghmara (SF) Range Campus  
 ➤ Geo-coordinates : N 25°12'43.50''  
 E 90°38'28.50''  
 ➤ Date of M&E: 16/06/2019  
**Remark:** Glass in windows was changed. White washing and painting were done. Footpath on both sides with stairs is also constructed. Quarter is in good condition.



➤ **IV grade Quarter (Forest Guard)**  
 ➤ Location: Baghmara (SF) Range Campus  
 ➤ Geo-coordinates : N 25°12'43.20''  
 E 90°38'26.40''  
 ➤ Date of M&E: 16/06/2019  
**Remark:** CGI Sheets in roof, ceiling, and glass in windows were repaired. White washing and painting were also done. Quarter is in good condition.





- **RO's quarter**
- Location: Baghmara (SF) Range Campus
- Geo-coordinates : N 25°12'43.70''  
E 90°38'26.20''
- Date of M&E: 16/06/2019

**Remark:** Approach road was repaired. Roofing, ceiling, and glass in windows were repaired. White washing and painting were also done. Quarter is in v. good condition.



**2. In Khondok (SF) Range: 3 Nos.**

- **Renovation of RO Office & quarter**
- Location: Khondok (SF) RO Campus
- Geo-coordinates : N 25°11'30.50''  
E 90°21'50.30''
- Date of M&E: 18/06/2019

**Remark:** Only white washing and painting was done.



- **Forester Quarter**
- Location: Khondok (SF) RO Campus
- Geo-coordinates : N 25°11'29.70''  
E 90°23'55.60''
- Date of M&E: 18/06/2019

**Remark:** Only white washing and painting was done. No other work is done. Lots of work is still required to do like repairing of roof ceiling. Not satisfactory.



- **Forester Quarter**
- Location: Khondok (SF) RO Campus
- Geo-coordinates : N 25°11'30.20''  
E 90°23'50.50''
- Date of M&E: 18/06/2019

**Remark:** Only white washing and painting was done. No other work is done. Lots of work is still required to do like repairing of roof ceiling.



**3.3.3 Other works**

**I. DFO (Wildlife), Tura**

- a. Payment of pending ex-gratia amount to victims

- Amount released: Rs. 154.00 lakhs
- Date of M&E:
- 13/06/2018 at DFO (WL) Office Tura
- 19/06/2019 at Dadengre WL Range

**Remark:** As per official records, a total of Rs.154,00,000/- only was disbursed from CAMPA fund as ex-gratia payments with respect to the wildlife depredation cases in all the wildlife ranges. The vouchers were physically verified and found correct.

**b. Development and improvement of community reserves (21Nos.)**

A total 23 community forest reserves (CFRs) were proposed in Garo Hills region. Two CFRs were not sanctioned, therefore effective numbers of CFRs is 21 and out of these 21 CFRs, 3 were declared during 2012-13 and remaining 18 were declared during 2013-14. Funds were not released for 5 CFRs, which are falling in South Garo Hills district. A total Rs. 62.72 lakhs were utilized for development and improvement of 16 CFRs situated in different districts of Garo Hills region. Out of these 13 CFRs were visited and work done under CAMPA were monitored.

**Community Reserves under East & West Garo Hills Wildlife Division, Tura**

S. No.	Name of CRF	Area (ha.)	Status (as on 30.06.2018)
<b>East Garo Hills District</b>			
1.	Mandalgre CRF	50	Works are going on
<b>West Garo Hills District</b>			
2.	Daribokgre CRF	173	Works are going on
3.	Sasatgre CRF	60	Works are going on
4.	Sakalgre CRF	122	Works are going on
5.	Baladingre CRF	50	Works are going on
6.	Chandigre CRF	37	Works are going on
7.	Dumitdikgre CRF	70	Works are going on
8.	Selbagre CRF	20	Works are going on
9.	Dura Kalalgre CRF	60	Works are going on
10.	Chimanpara CRF	10.2	Works are going on
11.	Tokpara CRF	30	Works are going on
12.	Mongalgre CRF	20	Works are going on
13.	Rongalgre CRF	16.5	Works are going on
<b>South Garo Hills District</b>			
14.	Rongma Rekmangre CRF	192.4	Funds not released
15.	Rongma Parongre CRF	62.3	Funds not released
16.	Eman Asakgre CRF	30.4	Funds not released
17.	Mikadogre Pitcher plant sanctuary & CRF	1.28	Funds not released
18.	Bandarigre Pitcher plant sanctuary & CRF	0.67	Funds not released

North Garo Hills District			
19.	Aruakgre CRF	100	Works are going on
20.	Resu Haluapara CRF	50	Works are going on
21.	Kitmadamgre CRF	70	Works are going on
<b>Total area (in ha.)</b>		<b>1225.62</b>	

### 1. Mangolgre Community Forest Reserve

- Area: 20.00 ha
- Geo-coordinates : N 25°40'00.19" , E 90°11'11.24"
- Date of M&E: 19/06/2019

**Remark:** A kachcha approach road was constructed by clearing the bushes along the boundary at NE site during April, 2018. Water hole conservation works was done by constructing a cemented check dam and it was found satisfactory during inspection.



### 2. Selbalgre Community Forest Reserve

- Area: 20.00 ha
- Geo-coordinates : N 25°34'33.63" , E 90°17'22.38" (CFR)  
N 25°36'00.77" , E 90°16'59.82" (Water Tank)
- Date of M&E: 21/06/2019

**Remark:** Plantation work was done inside the CFR for augmentation of tree density. Fire lines were cleared and maintained. One tank to store spring water was also constructed as entry point activity and works were found satisfactory during inspection.





### 3. Chandigre Community Forest Reserve

- Area: 37.00 ha
- Geo-coordinates : N 25°31'52.47" , E 90°18'47.47" (CFR)  
N 25°31'45.26" , E 90°18'27.93" (Check dam)
- Date of M&E: 21/06/2019

**Remark:** This CFR falls in Nokrek WL range and was declared as CFR during 2013. Seedlings were supplied from forest department for augmentation plantation. One check dam (cemented) was constructed to conserve the stream water for drinking purpose. This check dam was found satisfactory during inspection.



### 4. Baladingre Community Forest Reserve

- Area: 50.00 ha
- Geo-coordinates : N 25°30'19.65" , E 90°17'58.30" (CFR)  
N 25°31'45.26" , E 90°18'27.93" (Check dam)
- Date of M&E: 21/06/2019

**Remark:** This CFR falls in Nokrek WL range and was declared as CFR during 2013. It is adjoining to Nokrek National Park. Seedlings were supplied from forest department for plantation in CFR. One check dam (cemented) was constructed near to the village to conserve the spring water. This check dam was found satisfactory during inspection.



### 5. Sasatgre Community Forest Reserve

- Area: 60.00 ha
- Geo-coordinates : N 25°31'01.51" , E 90°19'33.18" (CFR)  
N 25°30'50.34" , E 90°19'58.41" (Check dam)
- Date of M&E: 21/06/2019

**Remark:** Sasatgre CFR falls in Nokrek WL range and was declared as CFR during 2013.

It is adjoining to Nokrek National Park. Seedlings were supplied from forest department for plantation in CFR. Fire-line and boundary maintenance was done. One check dam (cemented) was under construction during the inspection and work was found to be satisfactory.



### 6. Daribokgre Community Forest Reserve

- Area: 173.00 ha
- Geo-coordinates : N 25°28'39.27" , E 90°18'54.73" (CFR)  
N 25°29'40.48" , E 90°19'24.78" (Check dam)
- Date of M&E: 21/06/2019

**Remark:** Daribokgre CFR falls in Nokrek (Northern) WL range. It is also adjoining to Nokrek National Park. Seedlings were supplied from forest department for enrichment plantation in CFR. Fire-line and boundary maintenance was done. One check dam (cemented) was constructed, which was seen during the inspection.



### 7. Rongalgre Community Forest Reserve

- Area: 16.50 ha
- Geo-coordinates : N 25°27'38.53" , E 90°09'54.50"
- Date of M&E: 22/06/2019

**Remark:** Rongalgre CFR falls under Tura WL protection range. A considerable area of CFR is under cashew and teak plantation. Overall forest area of this CFR is degraded. As per the current condition of CFR are, it should not have been declared as community forest reserve.







### 8. Chimanpara Community Forest Reserve

- Area: 10.20 ha
- Geo-coordinates : N 25°15'33.21" , E 90°07'59.28"
- Date of M&E: 22/06/2019

**Remark:** Chimanpara CFR falls under Tura WL protection range. Community have planted Jackfruit, Guava, *T. bellerica*, etc. saplings supplied from Forest Department. Pure natural forest mixed with Muli Bamboo, *Shorea robusta*, *Gmelina arbora*, *Bahunia* spp., *T. bellerica*, etc. The CFR shares its boundary with Tokapara CFR. A footpath is also constructed in the Chimanpara village.



### 9. Chimanpara Community Forest Reserve

- Area: 30.00 ha
- Geo-coordinates : N 25°14'58.75" , E 90°07'52.07"
- Date of M&E: 22/06/2019

**Remark:** Tokpara CFR falls under Tura WL protection range. Good dense forest. A small stream (perennial) is originating from this reserve. The same stream is forming boundary on one side. Fire line cuttings and marking of boundary with pillars was going on during the inspection. . The CFR shares its boundary with Chimanpara CFR.





### 10. Dumitdikgre Community Forest Reserve

- Area: 70.00 ha
- Geo-coordinates : N 25°14'58.75" , E 90°07'52.07"
- Date of M&E: 23/06/2019

**Remark:** Dumitdikgre CFR falls under Nokrek Northern WL protection range. Fire protection work and maintenance of boundary has been done. Boundary is not clearly marked. Reserve is not as dense as it should be and enrichment plantation has also not been done. Sign board is placed far from the boundary of CFR.



### 11. Kitmadamgre Community Forest Reserve

- Area: 70.00 ha
- Geo-coordinates : N 25°48'26.50" , E 90°23'36.00" (School building)
- Date of M&E: 23/06/2019

**Remark:** Kitmadgre CFR falls under East Garo Hills WL protection range. Good dense forest. Fire protection work and maintenance of boundary has been done. A small stream (perennial) is originating from this reserve. School extension work is going on but quality of bricks is not Ist Class. Bricks are looking like grade III and easily breakable.



### 12. Aruakgre Community Forest Reserve

- Area: 100.00 ha
- Geo-coordinates : N 25°48'38.05" , E 90°24'07.07"
- Date of M&E: 23/06/2019

**Remark:** Aruakgre CFR falls under East Garo Hills WL protection range. Good dense forest. Only maintenance of boundary has been done. Some plantation work was also done as told by the Nokma. Eco-development works have not been started yet..



### 13. Resuhaluapara Community Forest Reserve

- Area: 50.00 ha
- Geo-coordinates : N 25°54'26.13" , E 90°36'47.39" (Community hall)
- Date of M&E: 23/06/2019

**Remark:** Resuhaluapara CFR falls under East Garo Hills WL protection range. Extension of community hall is under construction. Construction of check dam was also started but due to early start of rainy season, all works have been halted. A 30 bed nursery has also raised near to Social Forestry Nursery at Resubelpara. Nokma (Chairman) told that a notice board was also placed but wild elephants destroyed it. Reserve could not be visited due to presence of elephants on the route as stated by the chairman.



## II. DFO, Balpakram National Park, Baghmara

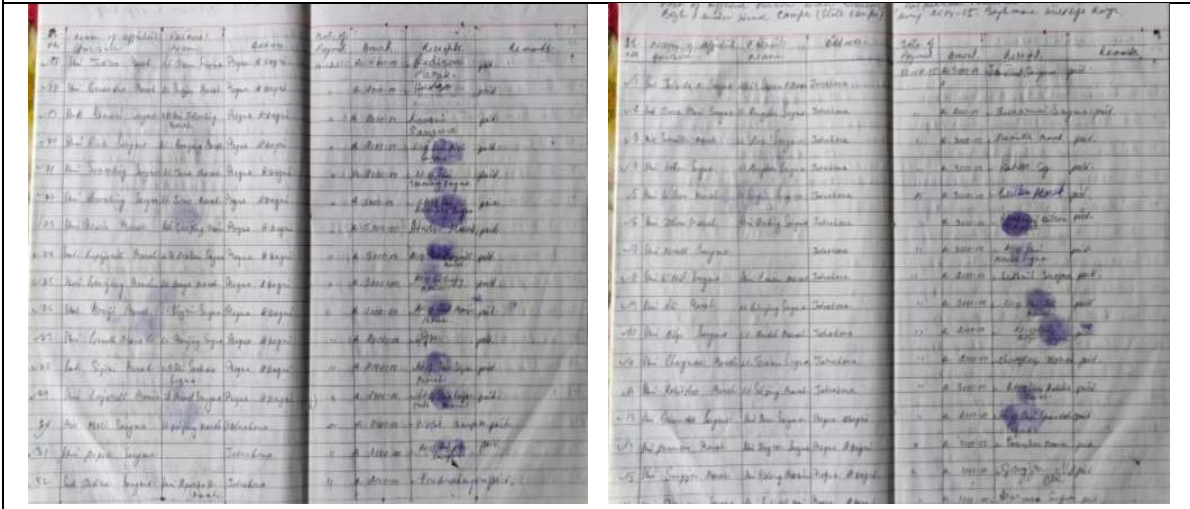
### a. Payment of pending ex-gratia amount to victims



➤ Amount released: Rs. 28.50 lakhs

➤ Date of M&E: 17/06/2018

**Remark:** As per official records, a total of Rs.28,50,000/- only was disbursed from CAMPA fund as ex-gratia payments to the victims of man-animal conflicts in all the wildlife ranges. The vouchers were physically verified and found correct.



#### 4. Recommendations

- Compensatory afforestation proposed under DFO (T) of Khasi, Jaintia and Garo Hill Forest division has not been carried out and the funds are still with the DFOs.
- Fixing a proper signboard for each of the activities must be ensured. Sign boards must have the information on site name, species planted, No. of saplings planted, year of plantation, forest range, etc.
- Roadside plantation, urban forestry plantations are carried out by all forest divisions of social forestry in all zones. Most of the plantations need casualty replacement.
- In most of the places of roadside plantations, saplings are damaged by cattle. To protect plantation from grazing, fencing should be done. Almost all plantation sites were not found to be protected by any type of fencing from all sides.
- Almost in all nurseries created under CAMPA in Garo Hills region, all fast growing saplings are overgrown. Forest department doesn't have the capacity to sell or plant that much saplings. Totally mismanaged and was raised just for utilizing the allotted funds without any plan for long-term utilization of nursery. There should long-term planning of utilization seedlings raised in these nurseries, without long-term planning no funds should be sanctioned further in future.
- In some cases it was found that polypot nurseries were raised on private land with a lease of 3 years only like in Gasuapara village under Khondok Range. As per official records seedlings of different species were raised but during the inspection not even a single bed was found to be there. Land was under private ownership and was taken on lease till April, 2018. After lease period land owner uproots all saplings by using JCB. These types of nurseries are not serving the purpose of regular supplying of seedling.



There should be long-term agreement with land owners for raising the nurseries on their land so that nursery can serve its purpose for many years.

- Regular patrolling is required to stop encroachment and illicit cutting/felling inside as well as in adjacent plantations for long-term security to the recent CAMPA plantations. Watch and ward should be strengthened and must be deployed at least for 3 years.
- Infestation of weeds is a serious problem and if weeds are not eradicated, it may lead to the plantation failure. Therefore, there must be regular periodic eradication of weeds in plantation sites.
- Regular or timely release of funds may be ensured for timely payment of watch and ward workers. Delay in wages of watch and ward workers discourage them to do their job efficiently.
- Plantation journals were not available for most of the plantation site except for Garo Hills region. Plantation journal should be regularly maintained and made available during assessment.
- In some cases it was found that the planted seedlings were under-aged and were not mature enough for plantation. Care should be taken during selection of seedlings for the plantation. Seedlings should be mature enough for plantation. The nursery seedlings should be healthy and disease free.
- Civil works was also monitored and it was found in many cases only white washing was done and other required works was not done satisfactorily. Most of the quarters in far-flung regions still require lots of repairing work. Repairing work under Baghmara NP (WL) Division was found best. Other divisions should also do the repair work with same spirit.
- There is no specific planning for the development of community conservation reserve. With proper planning of development these conservation reserves can act as the biodiversity buffer in Meghalaya. It was found that more village headmen were willing to develop their clan forest as community conservation reserve. Efforts should be made to include more and more forested area into community conservation reserve network.
- Studies on biodiversity assessment of all community conservation reserves should be done. These studies can be used as baseline to assess the impacts of various forestry and non-forestry (entry point activities) interventions being done on these community reserves under different schemes.



GOVERNMENT OF MEGHALAYA  
DEPARTMENT OF FORESTS AND ENVIRONMENT  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HOFF:  
MEGHALAYA



No. MFG.3/2014/CAMPA/Vol-IV / 10883

Dated Shillong, the 29<sup>th</sup> November, 2021

To,

Issued on \_\_\_\_\_

The Director,  
Rain Forest Research Institute,  
Indian Council of Forestry Research & Education,  
Assam, Jorhat-795001

Sub: Release of 1<sup>st</sup> Instalments toward Monitoring and Evaluation of CAMPA activities for the APOs 2014-17 and 2020-21

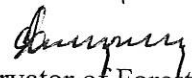
Ref: 1. No.GCR/2021/2-262/CAMPA(2014-17)-Meghalaya/14, dated 03.03.2021.  
2. No.GCR/2021/2-262/CAMPA (2014-17)- Meghalaya/195,dated 20.10.2021

Sir,

With reference to the above, I am enclosing herewith cheque No. **852487** dated 22.11.2021 amounting to **Rs. 4,02,781/-** (Rupees four lakhs two thousand seven hundred and eighty one only) and cheque No. **852488** dated 22.11.2021 amounting to **Rs. 5,18,256/-** (Rupees five lakhs eighteen thousand two hundred and fifty six only), being the payments towards 1<sup>st</sup> instalments for Monitoring and Evaluation of CAMPA Activities for the APOs 2014-17 and 2020-21.

Receipt of the same may kindly be acknowledged.

Yours faithfully,

  
Chief Conservator of Forests (FC Act)  
& CEO, (CAMPA)  
Meghalaya, Shillong.



वर्षा वन अनुसंधान संस्थान  
RAIN FOREST RESEARCH INSTITUTE  
भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद  
Indian Council of Forestry Research & Education  
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय के अधीनस्थ एक स्वायत्त परिषद)  
(An Autonomous body of Ministry of Environment, Forest & Climate Change, Govt. of India)  
पो. बॉक्स सं. 136, देववन, जोरहाट - 785001, असम  
Post Box No. 136, Deovan, Jorhat- 785001, Assam.

23/12

संख्या/No.GCR/2017/2-242/CAMPA/Meghalaya/259  
To,

दिनांक/Dated: 23-12-2021

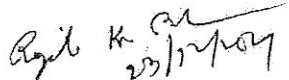
The Chief Conservator of Forests (FC Act),  
& Nodal Officer-CAMPA,  
Department of Environment & Forests  
Government of Meghalaya  
Lower Laichumiere, Sylvan House  
Shillong- 793001

Sub: Monitoring and Evaluation (M&E) of CAMPA schemes for 2014-17 and 2020-21-reg.  
Ref: Your letter No.: MFG.3/2014/CAMPA/Vol-IV/10883 dated 29.11.2021

Sir,

With reference to the subject cited above, it is to inform that this office has received the first two installments on 06.12.2021 amounting to **Rs. 4, 02,781/-** (Rupees four lakhs two thousand seven hundred and eighty one only) and **Rs. 5, 18,256/-** (Rupees five lakhs eighteen thousand two hundred and fifty six only) towards Monitoring & Evaluation CAMPA activities for the APOs **2014-17** and **2020-21** respectively.

The teams constituted for the aforesaid M&E works will visit the specified sites from January, 2022. Necessary assistance may kindly be provided to the teams during field visit.

  
(Dr. R. K. Borah)  
Director (i/c)



(9)



वर्षा वन अनुसंधान संस्थान  
RAIN FOREST RESEARCH INSTITUTE  
भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद  
Indian Council of Forestry Research & Education  
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय के अधीनस्थ एक स्वायत्त परिषद)  
(An Autonomous body of Ministry of Environment, Forest & Climate Change, Govt. of India)  
पो. बॉक्स सं. 136, देववन, जोरहाट - 785001, असम  
Post Box No. 136, Deovan, Jorhat- 785001, Assam.

27/10

संख्या/No.GCR/2021/2-262/CAMPA(2014-17)--Meghalaya/ 175

दिनांक/Dated: 20-10-2021

To,

Chief Conservator of Forests (FC Act) & CEO  
CAMPA, Govt. of Meghalaya,  
Lower Laichumiere, Sylvan House  
Shillong- 793001

Sub: Submission of estimate and terms of payment for M&E of CAMPA works carried out during 2020-21 in Meghalaya.-reg.

Ref. No: (i) Letter No.: MFG.22/460/Vol-III/4202 dated 30.07.2021 and  
(ii) Letter No.: MFG 3/2014/CAMPA/Vol III/6203 dated 09.09.2021.

Sir,

In response to your letters cited above, the cost of carrying out the monitoring & evaluation work for the activities undertaken in the State of Meghalaya during 2020-21 under CAMPA is estimated Rs. 8,05,562/- (Rupees eight lakhs five thousand five hundred and sixty two) only including GST, as per ICFRE norms. Detailed break-up of the same is given below:

SN	Component	Amount (Rs.)
1.	Cost of man days of official deployed	
2.	Cost of physical inputs /services/ utilities/ consumables/ raw materials (including office expenses and report writing etc.)	1,95,000/-
3.	Travel Expenses (TA/DA)	30,000/-
4.	POL/Fuel	
5.	Contingencies (5% of the above)	1,97,750/-
6.	Total expenses (1 to 5)	65,000/-
7.	Intellectual Fee @ of 33.3% of above	24,388/-
8.	Total expenses + Intellectual Fee	5,12,138/-
9.	GST (18%)	1,70,542/-
	<b>Grand Total</b>	<b>6,82,680/-</b>
		<b>1,22,882/-</b>
		<b>8,05,562/-</b>

2167-168  
27 OCT 2021  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FOREST & HOUSING  
MEGHALAYA, SHILLONG

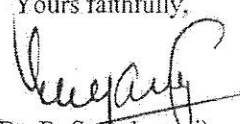
As per the CAMPA APO 2020-21 of Meghalaya Forest department, monitoring & evaluation works for the following divisions will be done by RFRI, Jorhat.

- i. SF Division, Ri Bhoi, Nongpoh
- ii. East Khasi Hill and Ri Bhoi (T) Division, Shillong
- iii. SF Division, East Khasi Hills, Shillong
- iv. Khasi Hills WL Division, Shillong
- v. SF Division, West Khasi Hills, Nongstoin
- vi. WL Division, East and West Garo Hills, Tura
- vii. SF Division, West Garo Hills, Tura
- viii. West and South-West Garo Hills (T) Division, Tura
- ix. SF Division, East Garo Hills, Williamnagar
- x. East and North Garo Hills (T) Division, Williamnagar
- xi. SF and (T) Division, South Garo Hills, Baghmara
- xii. SF Division, South Garo Hills, Baghmara
- xiii. SF Division, Jaintia Hills, Jowai
- xiv. Jayantia Hills (T) Division, Jowai

The M&E work will be completed in 12 months from the date of receipt of first installment and final Report will be submitted accordingly. The terms of payment will be as follows:

- 50% of the monitoring fee i.e. Rs. 4,02,781/- (Rupees four lakhs two thousand seven hundred and eighty one) only on acceptance of the contract.
- 30% of the monitoring fee i.e. Rs.2,41,669/- (Rupees two lakhs forty one thousand six hundred and sixty nine) only on submission of draft report.
- 20% of the monitoring fee i.e. Rs. 1,61,112/- (Rupees one lakh sixty one thousand one hundred and twelve) only on acceptance of final report.

All payments to be made through direct transfer in favour of 'Director, Rain Forest Research Institute, Jorhat'. The bank account number will be provided on acceptance of this assignment.

Yours faithfully,  
  
 (Dr. R. S. C. Jayaraj)  
 Director



वर्षा वन अनुसंधान संस्थान  
RAIN FOREST RESEARCH INSTITUTE  
भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद  
Indian Council of Forestry Research & Education  
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय के अधीनस्थ एक स्वायत्त परिषद)  
(An Autonomous body of Ministry of Environment, Forest & Climate Change, Govt. of India)  
पो. बॉक्स सं. 136, देववन, जोरहाट - 785001, असम  
Post Box No. 136, Deovan, Jorhat- 785001, Assam.

संख्या/No.GCR/2021/2-262/CAMPA(2014-17)--Meghalaya/14

दिनांक/Dated: 03-03-2021

To.

S. A. Nongsiej, IFS  
Chief Conservator of Forests (FC Act) & CEO  
CAMPA, Govt. of Meghalaya,  
Lower Laichumiere, Sylvan House  
Shillong- 793001

Sub: Submission of estimate and terms of payment for M&E of CAMPA works carried out during 2014-15, 2015-16 and 2016-17 in Meghalaya.-reg.

Ref. No: a) Your letter No. CAMPA.6/2015/APO.Vol-I/17066 dated 08.02.2021.

b) Your email dated 09.02.2021 04:38PM.

c) This office letter no. GCR/2017/2-242/CAMPA/Meghalaya/509/1954 dated 09.01.2018.

Sir,

With reference to the subject cited above, it is to inform that estimate for the monitoring & evaluation work of the activities carried out under CAMPA-Meghalaya during 2014-15, 2015-16 and 2016-17 amounting to Rs. 9,92,018/- was submitted to you as per your earlier requisition vide this office letter no. GCR/2017/2-242/CAMPA/Meghalaya/509/1954 dated 09.01.2018.

Now, the same estimate is being revised to Rs. 10,36,511/- (Rupees ten lakhs thirty six thousand five hundred and eleven) only by enhancing 10% in Travel Expenses (TA/DA), POL/Fuel and Contingencies. Detail break-up of the same is given below.

SN	Component	Amount (Rs.)
1.	Cost of man days of official deployed	3,02,000/-
2.	Cost of physical inputs /services/ utilities/ consumables/ raw materials (including office expenses and report writing etc.)	30,000/-
3.	Travel Expenses (TA/DA)	2,42,000/-
4.	POL/Fuel	55,000/-
5.	Contingencies (5% of the above)	31,450/-
6.	Total expenses (1 to 5)	6,60,450/-
7.	Intellectual Fee @ of 33% of above	2,17,949/-
8.	Total expenses + Intellectual Fee	8,78,399/-
9.	GST (18%)	1,58,112/-
	Grand Total	10,36,511/-

O/C  
DESPATCHED  
Date: 04/03/2021