GOVERNMENT OF ARUNACHAL PRADESH DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE STATE AUTHORITY CAMPA:: ITANAGAR

No. FOR.166/St. Authority/2022/3033 Dated, Itanagar the !!...April/2025

To,

The Assistant General of Forests,

Govt. of India, National CAMPA

MoEF&CC, 3rd Floor, Supreme Court Metro Station

Building, New Delhi- 110001.

Sub:-

Request for providing Monitoring Mechanism adopted for Monitoring &

Evaluation of CAMPA activities by various States/UTs - regarding.

Ref:-

No. NA-1/14/2023-NA dated 27th February, 2025.

Sir,

With reference to the letter no. cited above regarding the aforementioned subject, I am directed to enclose herewith the Monitoring Mechanism adopted by the State Authority, CAMPA, Arunachal Pradesh duly approved by the State Government.

Enclo: As above.

Yours faithfully,

(Bijoy Pradhan) DCF, CAMPA

GOVERNMENT OF ARUNACHAL PRADESH DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANG STATE AUTHORITY:: ITANAGAR

No. FOR.166/STATEAUTHORITY/2022/ 3972-4,019

Dated: 8

To,

1. The PCCF, (WL&BD).

2. The Addl. PCCF, WP & IT.

海流水域、湖、湖、湖岛100

3. The CCF, WAC/CAC/EAC/SAC, Banderdewa/Pasighat/Tezu/Deomali.

Sub: Internal monitoring mechanism manual of CAMPA activities regarding.

Sir,

Please find enclosed herewith the internal monitoring mechanism manual of CAMPA activities approved by the higher authority for compliance.

Enclo: As stated above.

Yours faithfully,

(Debendra Dalai) CEO State Authority

(CAMPA)

Copy to:

1. PS to PCCF (EF & CC) for information please.

2. The CF, NWP/EWP for information and compliance please.

- 3. The Field Director, Namdapha for information and compliance please.
- 4. All Divisional Forest Officers for information and compliance please.
- 5. The Director, APFTI/ Biological Park for information and compliance

INTERNAL MONITORING MECHANISM OF CAMPA ACTIVITIES

- 14 W E7

W 30 12 11 11

Department of Environment, Forests and Climate Change

Government of Arunachal Pradesh 2024

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1. Introduction

1.1 Background:

The State Authority, CAMPA has been mandated with the implementation of the approved activities under Annual Plan of Operation (APO) using the internal departmental monitoring mechanism, through regular field inspections, scrutiny of compliance reports and also through third party monitoring. Monitoring is one of the important aspect for implementation of any scheme. The activities under CAMPA in the State of Arunachal Pradesh have started since 2011-12. The activities are being monitored at the various levels from time to time and details are also uploaded on the monitoring portals. However need has been felt to issue the extensive guidelines for monitoring of the works being undertaken under CAMPA.

In past the Third Party monitoring was taken up by the Rain Forest Research Institute (RFRI), Jorhat for the period from 2011-12 to 2013-14. The monitoring of the activities undertaken from 2014-15 to 2018-19 is in progress. In this regard MoU has been signed between Department of Environment, Forest and Climate change and RFRI and National Institute of Rural Development & Panchayati Raj.

1.2 Components of monitoring and evaluation of CAMPA activities:

The activities approved under the Annual Plan of Operations shall be monitored at various levels. The activities which have been taken up in past mainly consist of the following.

- Creation of plantations under Compensatory Afforestation, Penal CA etc.
- Creation of Artificial Plantation under NPV
- Assisted Natural Regeneration under NPV
- Plantations taken up under Wildlife Habitat improvement
- Soil & Moisture Conservation (SMC) structures under NPV component
- Creation of high tech nurseries
- Biodiversity Park under NPV
- Maintenance of forest fire line
- Catchment Area Treatment (CAT) plan.
- Wildlife Mitigation Plan
- Civil works under NPV

The details of the activities approved under APO are available on the website of the Department of Environment, Forests and Climate Change, Government of Arunachal Pradesh. The cost norms for plantations are attached at Appendix II & III. Where cost norms are not available in public domain; the same may be checked from the records available at Range/Divisions level.

2. Monitoring at various levels

- 2.1 Need for monitoring Guide lines: In order to assess the extent of implementation of a scheme, the physical inspection of the site is essential. In absence of extensive guidelines for monitoring of the various components of the CAMPA, there is no uniformity in submission of the monitoring reports. The collection of the information revolves around the filling up the forms for submission of requisite information to the superiors. In order to standardize the monitoring mechanism need has been felt to issue the extensive guidelines for monitoring of the activities being under taken by the various divisions in the State. The activities to be monitored at each level are given in following paras.
- 2.2 Monitoring at the Range Office Level: All the sites (100%) where the activities are being taken up under the CAMPA Scheme shall be monitored personally by the concerned Range Forest Officer and details are to be filled periodically in the inspection report and plantation journal as per the prescribed format.

The inspection Report with respect to plantation activities shall be uploaded at the 'Recent Plantation Work Inspection Reported by Officers' tab in the e-Green Watch Portal. The details of plantation monitoring shall also be submitted to the concerned Divisional Forest Officer in the format of Annexure applicable to the activity. In respect of other activities suitable Annexure enclosed at the end may be chosen for reporting. Further, the Range Forest Officer shall also update the progress of activities such as stage of construction of civil work and stage of plant in respect of plantation etc. by uploading the same on the 'Arunachal Monitoring Application'. All the Range Officers must download Arunachal Monitoring App on their Mobile phone.

2.3 Monitoring at the Division Level: At least 40% sites where the activities are being taken up under the CAMPA Scheme shall be personally monitored by the concerned Divisional Forest Officer. The inspection report shall be uploaded on the e-Green Watch portal. The DFO shall scrutinize the land records, inspection reports and plantation journals been maintained by the concerned Range Forest Officer during the site visit.

In addition to above, the cases where **discrepancies** / **failure** have been reported in implementation of the activities sanctioned under CAMPA, shall be **monitored 100%** by the concerned DFO. The plantations where survival % is unsatisfactory shall also be monitored by the concerned DFO. Directions shall be issued immediately for taking up corrective measures and responsibility for failure shall also be fixed.

Further, the quarterly report of inspections carried out in a quarter shall be submitted within 7 days at the end of the quarter by the DFO to their Chief Conservator of Forests (CCF). In case of Wildlife Divisions the same shall be submitted to Principal Chief Conservator of Forests (Wildlife & Biodiversity) {PCCF (WL&BD)}. The reports shall be submitted as per the format of Annexure applicable to the activity.

2.4 Monitoring at the Circle Level: CCFs himself/herself or through their mobile squad headed by Assistant Conservator of Forests (ACF) shall inspect at least 20% of the works being undertaken under CAMPA. The CCFs himself should inspect 10% of works under their jurisdiction and submit the quarterly report of inspection carried out in a quarter within 7 days at the end of the quarter to the PCCF's office. All the inspection visits related to monitoring of plantation activities are to be registered on the e-Green Watch Portal under the tab 'Recent Plantation Work Inspection Reported by Officers'.

Further, all the cases where discrepancies / failure have been reported by the DFO/Deputy Conservator of Forests (DCF) shall be monitored 100% by the CCF. Directions shall be issued immediately for taking up corrective measures and responsibility for failure shall also be fixed. The report may be submitted as per the format of Annexure applicable to the activity. to Principal Chief Conservator of Forests Office.

2.5 Monitoring of activities in Protected Areas: PCCF (WL&BD) & Chief Wildlife Warden (CWLW) himself/herself or through the Mobile Squad under officer not below the rank of ACF should inspect at least 20% of the works. The CWLW himself should inspect 10% of works under his jurisdiction and submit the quarterly report of inspection carried out in a quarter within 7 days at the end of the quarter to the PCCF's office. All the inspection visits related to monitoring of plantation activities are to be registered on the e-Green Watch Portal under the tab 'Recent Plantation Work Inspection Reported by Officers'.

All the cases where discrepancies / failure have been reported by the CF/DFO/DCF shall be monitored 100% by the CWLW. Directions shall be issued immediately for taking up the corrective measures and responsibility for failure shall also be fixed. The monitoring reports shall be submitted as per the format of Annexure applicable to the activity. to PCCF Office.

2.6 Monitoring of the CAMPA activities at State Level: PCCF's office (CEO, CAMPA) shall constitute a team of officers for inspection of at least 5% of works on quarterly basis. The teams shall submit the report to CEO, State Authority CAMPA as per the format of Annexure applicable to the activity. The reports shall also be submitted to PCCF for taking suitable view.

2.7 Third Party Monitoring: The Agencies / Organizations shall be selected by calling the Expression of Interest. The parameters of the monitoring shall be decided by PCCF in consultation with the Organization selected for monitoring. It shall be ensured that the Third Party monitoring may be taken up immediately after completion of the works.

3. Approach and Methodology

3.1 Monitoring Strategies:

- All Plantation sites will be physically inspected and verified with photographic evidences.
- 2. 100% monitoring of all construction related works.
- 3. Files and cash books may be checked to ascertain whether all the payments made to different agencies are as per the rules / guidelines.
- 4. In case of plantation is done on community/private land the MoU signed between the Forest Department and Gram Sabha shall be checked.

3.2 Monitoring of Plantations:

The plantations under CAMPA scheme consist of various components viz Advance Work, creation of plantation, maintenance and tending operations, casualty replacement, inspection paths, fencing, fire line etc. The details of each activity to be undertaken for artificial plantation is given at **Appendix –I** and for Assisted Natural Regeneration at **Appendix –II**. The quality of plantation depends on survival percentage and health of the plants. During monitoring these two parameters will be assessed as per procedure elaborated below and Report on monitoring shall be submitted as per **Annexure I**

3.2.1Assessment of the survival percentage& spacing:

3.2.1.1 In multi-row block plantations-

- 1. Any row (among the first ten rows) can be selected as initial or starting row for counting and then every 10th row should be selected.
- 2. In these rows all the plants will be counted till the end of the row, either dead or surviving, for calculation of survival percentage.
- 3. For example, if 2nd row has been chosen as initial or start row then subsequent rows selected should be 12th, 22nd and so on till the end of the plantation area.
- 4. All the plants of every 10th row need to be enumerated.
- 5. The length of row shall be divided by number of plants found in the sampled row will give spacing.

3.2.1.2 In case of block plantation without specific rows

- 1. Sample plots (0.1 ha.) will be laid out.
- 2. 10% area shall be sampled
- 3. The number of plants found in sample plots may be divided with area to get the number of plants planted in one ha.

3.2.2 Assessment of the health of plantation:

- Generally the health of a plantation in expressed in terms of growth parameters of the plants.
- 2. For this measurement of plant height will be taken.
- This will be done at 1% sampling (in case of block plantation without specific row).
- 4. 10% plants from the sample plot or every 10th plant in rows (in case of block plantation with rows).

3.2.3Assessment of health and survival percentage of plantation:

- 1. The survival percentage of the plantation will be calculated as the percentage of surviving plants compared to the total plants enumerated.
- 2. The percentage will be reported separately for each plantation site.
- 3. The growth parameters of the plantation namely height of the plants will be averaged from the total plants for which measurements have been taken.
- 4. These plantation level indicators will be filled in the Plantation Field Summary Report.

3.3 Monitoring of Nurseries:

The main objective of creation of a nursery is to produce the Quality Planting Material (QPM) which can be used for the plantation activities by the department. The production of QPM depends on various factors which need to accessed during the monitoring of a Nursery. These factors include good selection of site, source of seed, collection of seeds, selection of species, preparation of nursery bed, preparation of growing medium i.e. soil mixture, creation of infrastructure for protection of saplings, adequate availability of water, effective transplantation of saplings from germination bed to poly bag and general maintenance including weeding and watering.

For effective monitoring of Nursery, a systematic analysis of site, source material, soil, infrastructure and general maintenance through field survey is required for which a Nursery Journal as per the format prescribed in the Forest Manual,1980 of Government of Arunachal Pradesh will be used as an instrument. The Nursery Journal will highlight the past and the present status of a Nursery along with the constraints and the measures adopted to overcome the constraints. The Divisional Forest Officer will visit all the nurseries established in the division.

The report by inspecting officer/ team shall be submitted as per Annexure III.

3.4 Monitoring of Soil and Moisture Conservation Works:

Approach: Soil and Moisture conservation (SMC) is an integral component of management and development of forest and constitute measures which can prevent the degradation of forests and simultaneously improve its quality by retaining moisture and enhancing productivity of the soil. The key activities taken under this component includes – construction of Brushwood and DRM Check Dams, Gabion Structures and plantation over the Catchment Areas. The monitoring of soil moisture conservation works, thus, focuses on factors such as selection of site, utility of work in context of forest development, physical achievement of work and regular maintenance of the structures created.

Methodology: The strategy to monitor the SMC works involves regular field survey by the field staff and administrative officers in addition to updating the field details in the evaluation matrix to yield the intended outcome of the project. The monitoring report of SMC shall be submitted as per **Annexure-IV**.

3.5 Monitoring of Civil works

Approach: The permissible civil work under the Compensatory Afforestation Fund Rules, 2018 constitutes mainly the construction and maintenance of residential and official buildings in forests for the frontline staff such as Forest Range Officers, Deputy Forest Range Officers, Forest Guards, Foresters and Plantation Watchers who are deployed for the protection of forests and wildlife in the region. It also constituted activities such as construction, upgradation and maintenance of inspection paths, forest roads in forest areas, fire lines, watch towers, boundary pillars, check posts and timber depots. As the activities are permissible to an extent that they can strengthen the forest and wildlife related infrastructure, the monitoring mechanism focusses on the completion of the project, utilization for the intended purpose and regular maintenance of the structure.

Methodology: For effective monitoring of the creation and maintenance of civil work in a forest division, following documents as prescribed by the Forest Manual, 1980 need to be submitted periodically to the State Authority along with the photographs of work and MIS report.

- 1. Details of Building Constructed Form A (vide para 61.1), Appendix XXXI-A
- 2. Details of Maintenance of Buildings Form B (vide para 61.1), Appendix XXXI B
- 3. Details of Construction of Roads Form A (vide para 63.1), Appendix XXXIII A
- 4. Details of Maintenance of Roads Form A (vide para 63.1), Appendix XXXIII B

Further, the Monitoring teams shall submit the monitoring report in the format Attached at Annexure V.

3.6 Monitoring of the activities taken under Wildlife Management/ Mitigation Plan

Approach: The basic objective of Wildlife Management / Mitigation Plan is to conserve and protect wildlife by taking up interventions stipulated in the plans. The activities are to be monitored as per prescriptions given in Wildlife Management/ Mitigation Plan and objective met therein.

Methodology: The Wildlife Management / Mitigation Plans include the taking up plantations for habitat improvement, soil-moisture conservation works, creation of infrastructure related to wildlife management, census/ survey of flora and fauna, placing signage/hoardings etc. The monitoring report of the respective components may be submitted as per format applicable given at Annexure I to Annexure VI. In case the work is not fitting in any of the above format, the report shall be submitted as per Annexure VI.

3.7 Monitoring of activities taken under Catchment Area Treatment (CAT) plan

Approach: The main aim of the Catchment Area Treatment Plan is to rejuvenate various potential and degraded ecosystems in the catchment area for longevity of the reservoir storage capacity. Under CAMPA scheme, CAT plans are undertaken in respect of approved Hydroelectric Projects (HEP) in the state of Arunachal Pradesh to sustainably manage the ecosystem in the region. These plans are duly approved by the State Government for long term management of ecosystems and annual physical and financial targets are set for achievement of long term objectives. Therefore, the approach of monitoring of the CAT plan rests on analysing the physical and financial achievements of annual targets in addition to monitoring the progress of the overall CAT plan.

Methodology: As long term Catchment Area Treatment Plan constitute several activities such as enrichment plantation, soil and moisture conservation work, creation of forest related infrastructure and capacity building programmes, the strategy to monitor and evaluate the CAT plan under consideration involves the mix of monitoring and evaluation instruments such as plantation journal, nursery journal and evaluation matrix for civil and SMC work. The monitoring report of the respective components may be submitted as per format applicable given at Annexure I to Annexure VI. In case the work is not fitting in any of the above format, the report shall be submitted as per Annexure VI.

3.8 Monitoring of other works undertaken under CAMPA:

Under CAMPA a large number of activities are undertaken. The activities which have not been covered above shall be monitored as per scope of the worked approved under APO and monitoring report may be submitted as per Annexure VI.

4 Monitoring through Information and Communication Technology:

As on date two portals are available for automation, streamlining & effective monitoring of the processes related to utilization of CAMPA funds. At National level the activities are monitored through e-GreenWatch Portal (egreenwatch.nic,in) and at the State level the activities are to be uploaded on Arunachal monitoring portal. The brief details are as under:

4.1 e-GreenWatch:

It is an integrated e-Governance Portal for automation, streamlining & effective monitoring of the processes related to utilization of funds under various schemes including CAMPA. The portal can be accessed at http://www.egreenwatch.nic.in. The activities being monitored at various levels are to be registered at this portal. The User ID and Password has already been shared to all concerned Divisional Officers. In case there is any difficulty in opening the portal, GIS Cell of PCCF Office may be contacted. The operational manual of this portal is available on the website of the Department.

Since last year KML files of the area being undertaken for compensatory afforestation are being uploaded on this portal. All the plantations being under taken under other components viz NPV, CAT, WLMP also to be uploaded on this portal by the concerned Divisional Forest Officers.

4.2Arunachal Monitoring Portal:

Arunachal Monitoring portal is a satellite based monitoring & geo-tagging portal. Both the web and mobile applications are available for this portal. The portal can be accessed at https://arunachalmonitoring.com/. The user manual for both applications can be downloaded from the portal. A copy of user manual is also uploaded on the website of the Department for ready reference. This application is being extensively used by the field officers since last year.

4.3 Monitoring through Scrutiny of Compliance Reports

The DFOs are mandated to submit the compliance reports as per the format provided in the Compensatory Afforestation Fund Rules, 2018. These reports are scrutinized at the level of State Authority. Following compliance reports are to be submitted by the DFOs through their CCFs:

- 1. Quarterly Progress Reports in 21 column format.
- 2. Utilization Certificate as per format provided in General Financial Rules, 2017.
- 3. Monthly Cash Account Reports as per the prescribed format.
- 4. Monthly Expenditure Statements Report as per the prescribed format.

5. Quarterly Report of Uploading of Data on MIS- Arunachal Monitoring App and e-GreenWatch Portal. The report shall be generated by Master ID, log-in details of which have been shared with the forest divisions.

- 5. Monitoring of Plantations / activities being undertaken in schemes other than CAMPA
- 5.1 PCCF (P&D) will be the overall in-charge for the monitoring of the activities being undertaken under various schemes. The monitoring shall be done on the lines/ procedure stated for CAMPA.

Annexures

1. Annexure-I

Monitoring of Compensatory Afforestation

Plantation Summary Report

	Circle	
2.	District	
3.	Forest Division	
4.	Range	
5.	Name of the Forest Reserve	
6.	Date of Notification of the Forest Reserve	
7.	Date of signing of MoU with Gram Sabha (in case of NPV Plantation)	
8.	Location of Plantation & GPS Coordinates (As mentioned in approved APO).	
9.	Area of Plantation (in Ha.) (As per APO)	
10.	Vegetation density of the plantation area	
11.	Month and Year of Plantation.	
12.	Details of the maintenance work	
13.	Name of the Scheme / Artificial or ANR Plantation / Creation or Maintenance	

25.	Remarks al Observations and Recommen	detions:
	and maintenance status).	
24.		
72	Status of Inspection Path	
23.	and design.	
	Condition of fencing, its type	
22.	Average height	
21.	Survival Percentage %	
20.	Details of the species	
19.	Actual area of the plantation	
18.	GPS Coordinates	
	Location of the Plantation &	
17.	Date of field visit	
eld Ol	oservations during the monitori	ng:
16.	(per ha)***	
	Spacing** / number of plants	
15.	Species planted	
	and year	
14.	Plantation Journal* with date	
	Survival % as given in	·

Photograph of the plantation
Write in about 100 words about the plantation site, choice of species, quality of
planting stock, quality of work and others with recommendations for improvement.
s a s
L 1000 CC
* Plantation journal as maintained as per Forest Manual, 1980 of Government of Arunachal Pradesh.
** Row sampling
*** Block sampling
Date of field visit:
G'
Signature:
Name of Inspecting Officer:
Designation of Inspecting Officer:

Plantation Enumeration Form

Enumeration	date:
-------------	-------

Name of Plantation:

Division:

Range:

Compartment:

Village:

Plantation year:

Row number	Condition/state	Growth of every 10 plant in row		
	Plant number Species Alive		Alive	Height (Meter)

Monitoring of Soil and Moisture Conservation World

	of Soil and Moisture Conserva	tion Work
1.	Circle	TOTAL TOTAL
2	District	
3	Forest Division	
4	Range	
5	Beat	
6	Geo-Coordinate (as per APO)	
	Latitude:	
	Longitude:	
7	Geo-Coordinate (actual)	
	Latitude:	
	Longitude:	
8	APO under which sanctioned	
9	Period of taking SMC work (from dd/mm/yy to	
	dd/mm/yy)	-
10	Type of structure sanctioned (brush wood check dam/	
	contour trenching/ gabion structure/ mention other type	
	of structure)	
11	Amount sanctioned (₹ in 000)	
12	Dimension of the structure sanctioned	
13		
14	Present status of the structure*	
18	General observations and remarks (about 100 words)	
10	Photograph of the structure	
19	Photograph of the structure	
1		

^{*}Note: Satisfactory: If it meets the objective for which it was created.
Unsatisfactory: If it not satisfies the objective for which it was created.

Monitoring of Civil Structures

_	1.	Circle	
_	2	District	
	_		\dashv
_		Forest Division	\dashv
		Range	\dashv
	5	Beat	\dashv
	6	Geo-Coordinate (as per APO)	\dashv
		Latitude:	
		Longitude:	
Ī	7	Geo-Coordinate (actual)	
		Latitude:	
		Longitude:	
	8	APO year under which sanctioned	4
	9	Period of taking construction (from dd/mm/yy to	
		dd/mm/yy)	\dashv
	10		-
	11	1 Amount sanctioned (₹ in 000)	\dashv
	12		\dashv
	13	3 Plinth area found during monitoring	
	14	4 Quality of civil work/ electrical structures/ furniture	
		etc.	
	18	8 General observations and remarks (about 100 words)	
	19	9 Photograph of the structure	

Monitoring of miscellaneous activities under CAMPA (not covered under Annexure I to Annexure VI)

Name of the work:

	C' 1	
	Circle	
	District	
	Forest Division	
	Range	
5	Beat	
5	Geo-Coordinate (as per APO)	
	Latitude:	
	Longitude:	
7	Geo-Coordinate (actual)	
	Latitude:	
	Longitude:	
8	APO year under which sanctioned	
9	Period of taking work (from dd/mm/yy to dd/mm/yy)	
10		
11	Amount sanctioned (₹ in 000)	
12	Description of the work sanctioned alongwith area/	
	dimension etc.	
13	B Description of the work found at the time of	
	monitoring.	
14	4 Quality of the work	
18	8 General observations and remarks (about 100 words)	
19	9 Photograph of the activity	

Appendix II Cost norms for raising Compensatory Afforestation

REVISED COST NORMS FOR COMPENSATORY AFFORESTATION PLANTATION (1100 NOs. OF POLY POT SEEDLING PER HECTARE AT SPACING OF 3MX3M TO BE PLANTED) THE COST NORMS AREA FOR 1 HA.

WAGE RATE PER MONTH RS, 12000/PM FOR AREAJ AND AREAJI 12500) W.E.F 01/10/2023 VIDE GOVT, OF AP ORDER DATED 13/12/2023.

81.	Wages rate (DL) Item of works	MANI	DAYS	Propos	7 1	
No.	1	AREA4	AREA-II.	AREA-I	AREA-II	Remai
	Creation of Nursery	1			MILENII	1/3
	Cost of Poly pot seedling & 1100		 		1	-
	Nos./ Ha			z .		
	Area 1 @ Rs. 18.00	1		19800	1	
	Area II @ Rs. 19.00				20900	
	Sub Total			19800	20900	
80 8	IST YEAR OPERATION					
	Survey & demarcation and prepration of map @ 5 DL/ ha.	4	4	1600	1668	
	Sub Total	4	4	1600 .	1668	
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.			20670	20830	Annexu re "A" Enclose
			-			d
	(ii)Maint. Barbed wire fencing @ 5% of erection cost in each year from	•				
	3rd year to 6th year Add.					
To the same of the	Add 10% escalation value by multiplying factor:				12 m/h	
	1.20 for 3rd year			1240.20	1249.80	
	1.3 for 4th year			1343.55	1353.95	
	1.4 for 5th year			1446.90	1458.10	
	1.5 for 6th year		1	1550.25	1562.25	
	Sub Total		-	26251	26454	
						-
3	Raising of seedlings for casualty replacement	No.				
	3rd year 15%=165 Nos			2970	3135	
	4th year 10%= 110 Nos. Total= 275			1980	2090	
	Nos. Sub Total			4950	5225	
/4/	RAISING OF PLANTATION					
9	(i) Clearance of brush wood, planting lines & staking of debries	15	15	6000	6255 ~	
	@ 15 mandays/ha. (ii) Alignment of pits & preparation of stakes, staking @ 10 manmandays/ha	10	10 🗸	4000	4170	

Additional Chief Estimator
Additional Chief Estimator
Additional Chief Estimator

Chief Exequive Officer State Authority, SCAF Arunachal Pradesh Dy. Construction of State Author Govt. of Arunachal

		Tag		8800	9	74 ~	/	
iii) Digging of pits 30 Cm X 30 Cm 22		22 1		0000			1	
iii) Digging of pits						174 ,	1	-
(30 Cm	2	22	/	8800	1	• • • •		1
(iv) Prepration of thala by uprooting 22		1			1		İ	ĺ
a 1 Laige DV House					1			
22 mandays per ma.		-		8000		2510	1	1
, addings to the 2	.0	30		18000				1
(v) Transportation of seedlings to (v) Transportation of seedling planting site i/c planting of seedling planting site i/c planting of seedling planting site i/c planting of seedlings to (v) Transportation of seedlings to (v)				1	1		1	į
planting site i/c planting of second planting of se		1		1			1	
mandays (Area II)				120	0	1251	7	1
mandays (Area 1)	3	3		120	0			1
(vi) Making of inspection path 1mtr							-/-	-
wide @ 3 mandays/114			7	200	0	2085	,	1
Fire line cutting 3mtrs wide	5					İ	1	1
along the periphery @ 5		1				1	1	
manmandays/ha			10	119	200	200	16	
(viii) Tending - 4 weeding @ 12	48	12	·8	1,3,				
(viii) Tending - 4 weeding per ha		1		1		1506	4/	
mandays/weeding per ha	111 5		15.5	_ 58	00	040		
Add 10% escalation value on total of	114.	,					}	
item 4(i) to 4(viii)						1771	099	
item (e)	159	2.5	170	.5 63	8800	111	1	
Sub Total	10.				20	1150	012	
TEAR OPERATION	36		36	114	1400	115		
weeding (a) 12	150					29	19	
	17		7	128	800	1		
(ii) Casualty replacement 1010	1'				20	41	7	
	1		1	14	00	1		
(iii)Maint, of inspection paul &			_		00	41	7	1
	1		1	19	00	1	•	
(iv) Maint. Of fireline @ 1 DL/ha			1		3600	13	753	1
-lug on total	019		9	1	3600		200.60	1
Add 20% escalation value on total			1		21600	12	2518	1
item 5(i) to 5(v)		4	54		21000	一十		1
Sub Total	1		1		9600	11	0008	
6 4TH YEAR OPERATION-	12	24	2	+	5000	1		
(i) Tending -2 weedings (c)			17		2800	1	2919	1
mandays/Ha. (ii) Casualty replacement 10% @	7	7	1'			1		
(ii) Casualty replacement			-		400		417	1
mandaysHa. (iii) Maint. Of inspection path @:	1	1	1		Same S			+
(iii) Maint. Of Hispection par			-	1	400		417	
mandays/Ha.		1					- 22	-
(iv) Maint. of fireline @				9.90	3960		4128	-
1manmandays/Ha. Add 30% escalation value on ite	m	9.90	1	2.50				
Add 30% escalation				42.90	17160		17889	-
6(i) to 6(v)		42.90		,			mon1	-
Sub Total 7 STH YEAR OPERATION		1.0		12	4800	No.	5004	
7 STH YEAR OF DIGITAL		12						
(i) Tending - 1 weedings @ 12 manmandays/weeding per ha		1		1				

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			-			
	(u) Maint, of inspection path @ 1	1	1	400	417	
	mamandays/ ha					
	(iii) Maint. Of fire line Imamandays/ha	11	1	400	417	1
	Add 40% escalation value on item	5.60	3 60	5540	2335	
	7(i) to 7(iv)					
	Sub Total 6TH YEAR OPERATION	19.60	19.60	7840	8173	
8	I amount of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	-		-	Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria	
	(i) Tending - 1 weedings @ 12 manmandays/weeding per ha	12	12	4100	5004	
	(ii) Maint, of inspection path @ 1 mandays ha.	1	***	400	417	
	(iii) Maint of fireline (c)	1	1	400	417	-
	manmandavs/ ha.					
	Add 50% escalation value on item	7.00	7.00	2800	2919	
	S(d) to S(x)			1		
	Sub Total	21.00	21.00	8400	8757	-
9	7TH YEAR OPERATION			10.00	- 0.01	+
	(i) Climber cutting @ 3	3	3	1200	1251	-
	mandays/Ha			1.200	1.23	
	(a) Maint of inspection path (2) 1	1	-	400	417	-
	mandays ha.	1	1	1.00	1	
	(u) Maint of fireline @	1	1	400	417	
	manmandara / ba			1700		-
	Add 60% escalation value on total	3	3	1200	1251	-
	:tem 9(a) to 9(a)	7		1.200	1231	
	Sub Total	8.00	8.00	3200	3336	-
10	STH YEAR OPERATION					1
	(i) Climber cutting (a) 3	3	3	1200	1251	1
	mandays/Ha.					
	(u) Maint of inspection path @ 1	11	1	400	417	1
	mandays ha.					
	(iii) Maint, of fireline (ii)	1	1	400	417	
	manmandays/ ha.					
	Add 70% escalation value on item	3.5	3.5	1400	1460	1
	10(i) to 10 (ii)					
	Sub Total	8.50	8.50	3400	3545	1
11	9TH YEAR OPERATION	f.				
	(i) Climber cutting @ 3	3	3	1200	1251	
	mandays/Ha.					
	(u) Maint. of inspection path@1	1	1	400	417	
	mandays ha.					
	(iii) Maint. of fireline (a)	1	1	400	417	
	manmandays/ ha,					
	Add 80% escalation value on total	4	4	1600	1668	
	of item 11(i) to 11 (ii)					
	Sub Total	9.00	9.00	3600	3753	
12	10TH YEAR OPERATION			Anna Part Charles and Annaugh to the Landson		
	(a) Climals on matter of Ca C	13	Comment of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the compan	1 (2/1/)	To be a beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful or beautiful	age sensitive agreement
	(i) Climber cutting @3 mandays/Ha.	1.3	3	1200	1251	1

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	1	Ti	400	417	
(ii) Maint, of inspection path @ 1	1			117	
Jave ha.	1	1	400	417	
(iii) Maint. of fireline @				1877	
manmandays/ ha. Add 90% escalation value on total	4.5	4.5	1800	10,,	1
Add 90% escalation value on to				3962	
of item 12 (i) to 12 (ii)	9.5	9.5	3800	150000	
Sub Total Wages for plantation watchman at	1 D/L for		144000	130000	1
Wages for plantation wittenned the rate of U/skilled labourer round	10 Yra.				
for every 25 ha of arch subject to	1				
				İ	
12 12000 /- for Arca-1 & RS. 12000/					
le - A-see II per month adding	1				
lescalation value by multiplying					
factor as below.			1		
	1				
		_	158400	165000	
(M.F=1.1) for 2nd yr.			172800	180000	1
(M.F=1.2) for 3rd yr.			187200	195000	1
(M.F=1.3) for 4th yr.			201600	210000	
(M.F=1.4) for 5th yr.			216000	225000	
(M.F=1.5) for 6th yr.			230400	240000	Τ
(M.F-1.6) for 7th yr.			244800	255000	
(M.F=1.7) for 8th yr	-		259200	270000	
(M.F=1.8) for 9th yr			273600	285000	-
(M.F=1.9) for 10th yr			2088000	2175000	as per
Sub Total	is				present
14 a) Cost of LMV in case of CA area	1.	1			market
more than 300 ha in one Division				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	rate.
· ·	1		1		
					as per
b) Cost of HMV in case of CA are	ais				presen
more than 300 ha in one Divisio	n.		1		marke
more dans		1	1		rate.
	71		1		
	1		1		
			156000	162000	
15 a)1(one) driver @ Rs. 13000 for					
1 1 1 R Rs 13500 of Arca 11 P					
month for a period of 10 years	01				
CA area more than 300 ha.	1				
			171600	178200	
(M.F=1.1) for 2nd yr.			187200	194400	_
(M.F=1.2) for 3rd yr.			202800	210600	_
(M.F=1.3) for 4th yr.			218400		
(M.F=1.4) for 5th yr.			234000	10200	_
(M.F=1.5) for 6th yr. (M.F=1.6) for 7th yr.			249600	259200	

Additional Chief Estimatory

Additional Chief Estimatory

Chief Executive Officer State Authority, SCAF CA Congression of Fo

	1	(M.F=1.7) for 8th yr						
		(M.F=1.8) for 9th yr			265200	275400		
		(M.F=1.9) for 10th yr			280800	291600		
		Sub Total	-		296400	307800		
		b)1(one) handyman @ Rs. 12000 fe	-			2349000		_
		Area I & Rs. 12500 for Area II per	21	1	144000	150000		_
		month for a period of 10 years for	1			1		
		CA area more than 300 ha.		1				
		51 87 1687 Sec. 9788.				1		
		(M.F=1.1) for 2nd yr.		-	150400			
		(M.F=1.2) for 3rd yr.			158400	165000		
		(M.F=1.3) for 4th yr.	+	+	172800	180000		
		(M.F=1.4) for 5th yr.		-	187200	195000		
		(M.F=1.5) for 6th yr.		+	201600	210000		
		(M.F=1.6) for 7th yr.		-	216000	225000		
		(M.F=1.7) for 8th yr			230400	240000		7
		(M.F=1.8) for 9th yr	 		244800	255000		7
		(M.F=1.9) for 10th yr	-	-	259200	270000		7
		Sub Total	-	-	273600	285000		7
	16	a) Const.of OBT labour shed (2	No.	-	2088000	2175000		1
		room) for workers at plantation site	INO.	1	276000	296700	Adding	1
		subject to a minimum area of 10 ha				1	15%ove	
		And upto 25 ha. Beyond 25 ha One					rrate of	
-		room-to-be-added for every 13 la					2020-	
		Or part thereof at proportoinate					21 on Rs.2,40,	
1		cost.					000/-	
1	1						and	
1	- Landau						258000	
	1				1		/-	
							(a)7.5%	
							Annum	
	L							
	1	o) Maint.of OBT hut @25% of the						
	10	onst.cost per year from 4th year to	1					
	16	th year including escalation value						
	Į t	y mutiplying factor.	1	1				
				1		1		
	1	.3 for 4th year					1	
	1	.4 for 5th year			89700	96428		
	1	.5 for 6th year		19	96600	103845		
_	S	ub Total			103500	111263		
-					65800	608235		
			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	-		1	- 1	

Additional Chief Estimator
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Chief Executive Officer State Authority, SCAF Arunachal Pradesh

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a) Const.of Modified Improved stand size Barsha (MB) type quarter for every 50 ha b) Maint.of @ 20% of const.cost per year (from 2nd year to 9th year) including:	lety		9050	9729	2000 Addi 15% rrate 2020 21 or Rs,78 00/. and 84600 (47.5°) per Annur
1.1 for 2nd year 1.2 for 3rd year	-		-		
1.3 for 4th year			199111		
1.4 for Sal	+			214038	
1.4 for 5th year			217212	233496	
1.5 for 6th year			235313	252954	
1.6 for 7th year			253414	291870	
1.7 for 8th year		\dashv	271515	214038	-
11.0 101 Oth war		-	289616	311328	-
Sup Total	-		307717	330786	-
a)If CA area is 10 KM away from the nearest forest Office/ established	1.		325818	350244	+
nearest forest Office/ establishment I	No.	-	3004766		
Honel Congress of Coldollshment		1	879200	3171654	
(31.39 sqm) for area over 100 ha.				1143000	Based
Too na.					on
h) N					Depart
b) Maint.of @ 10% of const.cost per year (from 2nd year to 2th			1	1	mental
year (from 2nd year to 9th year) including:		_		2	approve
including:		1		1	d rate.
1.1 for 2nd year				1	
11.2 for 3rd year					
1.3 for 4th year		+	96712	125730	1
1.4 for 5th year		+	105504		
1.5 for 6th year		-	114296	137160	
1.6 for 7th year	74		123088	148590	
1.7 for sal		6	131880	160020	
1.7 for 8th year			140672	171450	
1.8 for 9th year			149464	182880	
		1		194310	
Sub Total		1	15005		1
Suo Total			158256 1899072	205740	

CHOPE POOF WILSBOY & OWLW

Dy. Conservation of Forests
State Authority
Govt. of Arunachal Pradesh
Itanagar

Chief Executive Officer State Authority, SCAF Arunachal Pradesh

					1.60000	
19	Provision for Plantation Supervisor	1 Mandays		156000	162000	
	for every 150 ha @ Rs. 13000/-for	for 10 Yrs.				
	Area-1 & Rs.13500/- for Area-II per					
-	month for 10 yrs where CA area is					į.
	more than 150 ha adding escalation	1			1	
	value as item no13 above. adding					
	escalation value by multiplying					
	factor as below.					
			+	171600	178200	+
	(M.F=1.1) for 2nd yr.	 	+	187200	194400	1
	(M.F=1.2) for 3rd yr.		+	202800	210600	1
	(M.F=1.3) for 4th yr.			218400	226800	
	(M.F=1.4) for 5th yr.	-		234000	243000	+
	(M.F=1.5) for 6th yr.		-	249600	259200	
	(M.F=1.6) for 7th yr.		-		275400	-
	(M.F=1.7) for 8th yr		-	265200	291600	
	(M.F=1.8) for 9th yr			280800		-
	(M.F=1.9) for 10th yr			296400	307800	-
	Sub Total			2262000	2349000	15%
20	Approach foot track to plantation in					enhanc
	the area where necessary					ed over
		100 Rmt		756	823	6378
						716
-	Monitoring, Supervision (POL,	-	+	15%	15%	
21	Maint. Of vechicles, including TE	1				1
	etc.) @ 12 % and Contigency @ 3%					
	to meet up unseen expenditure i.e.			İ		
	15% on Item No. 1 to 18 plus				~ .*	
	nursery cost over Rs.					
22	Entry point activities at the rate of	На	На	16790	18170	15%
22	Rs. 16,060/- per ha for area I and					enhanc
	17380/- for area II					ed over
1	1					14600
1	1			+	1	1.50
23	Provision for soil and moisture	Ha ^a	На	8280	9258	15%
23	Provision for soil and moisture conservation structures (where	На 5	На	8280	9258	enhanc
23		На 5	На	8280	9258	enhanc ed over
23	conservation structures (where	Ha ^s	На	8280	9258	enhanc ed over 7200 &
23	conservation structures (where needed) @ Rs. 7920/- per ha for	Ha ⁵	На	8280	9258	enhanc ed over
23	conservation structures (where needed) @ Rs. 7920/- per ha for	Ha ⁵	Ha		19258	enhanc ed over 7200 &

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Additional Chief Estimator O/o the PCCF (WL&BD) & GWLW Itanagar Chief Executive Officer State Authority, SCAF Arunachal Pradesh Dy. Conservation of Forest State Authority Govt. of Arunachal Pradesh Itanagar ANNEXURE "A"

		Area I			400		
	Wage rate	Area II	Area II				
	NORMS FOR ERECTING FENCING (100 RMT)						
SI.		Amenitie	es of mater	ial for 100			
No.	Items		RMT				
					Amount		
		Unit	Quantity	Rate(Rs)			
1	Barbed wire (5 Stand)	Kg	85	110	9350		
2	GI U'Stapple	Kg	2	120	240		
	G I Nails	Kg	1	120	120		
4	Jungle Wood Post	No	61	114	6954		
5	Digging pits, Erection of 800 post, straining 5		10	400	4000		
	strand barded wire and fitting	Mandays	10	417	4170		
		Area I			20664.00		
\neg		Area II			20834.00		

Jung.

or, Say Area I

20670.00

Area II

20830.00

Additional Chief Estimator
Olothe POCF (MARD) & CWLW
Itanagas

Chief Executive Officer State Authority, SCAF Arunachal Pradesh

Dy. Conservation of Forests
State Authority
Govt. of Arunachal Pradesh
Itanagar

Appendix III

Cost Norms for ANR, Afforestation, Bamboo plantations etc.

REVIS

T NORMS FOR ANR PLANTATION FOR 1 Ha

(Based on revision of minimum wages w.e.f. 01/10/2023)

Vide Finance's Notifiation No. FIN/E-II/15/2010/ Dated 13/12/2023

300 saplings per Ha

		300 saplings per Ha							
1	SI. No Items of works		Man days (in Nos)		Ex	isting cos plantation (in Rs.)	t of of p	ised cost nor lantation as p ised wage ra .e.f.1/10/2023 (In Rs.)	
		P	lain	Hill	Pla	in Hi	ili Pla		
I	ADVANCE WORK				33		- 10		
1	Survey & Demarcation at Plantation site including GPS survey etc	e	4	4	133				
2	o remeads (3%) on item 1	+	+		67	-		1000	
	SUB TOTAL	-	4	4	-	1 ,0		83	
	Raising of seedlings 300 nos. per hact. (2	1	4	139	9 147	0 168	0 1751	
	Rs. 18.00 per seedlings for Plain (Area I & Rs. 19.00 per seedling for Hill (Area I) I)							
	TOTAL OF ADVANCE WORK	+	+		5400			5700	
II	CREATION	+-		-	6799	7170	7080		
I	Clearance of brushwood along Planting line, Stacking of debris etc	7		7	2331	2450	2800	2919	
-	Alignment of Pits & Stacking (preparation of stakes)	3		3	999	1050	1200	1251	
3	Digging of Pits - 30 cm x 30 cm x 30 cm	6		6	1998	2100	2400	-	
1	Prepration of thala by uprooting of debris by spade around pit - 100 cm dia	6		6	1998	2100	2400	2502	
+	Carrying of sapling to the plantation site /c planting	5		7	1665	2450	2000	2919	
	Making of inspection path 1 mtr wide	3	1	3	999	1050	1200		
A	Add. overheads (5%) on SI. No. 1 to 6		1	+	500	560	-	1251	
1 1	OTAL OF CREATION IAINTENANCE OF PLANTATION	30	3:	2 1	0490	11760	600 12600	14011	
C	ost of saplings for casuallty replacement 5% of 300 nos. of saplings) = 45 nos.								
(a) Sapling for Area-1 @ 18 00			8	310		910		
Te	Sapling for Area-II @ 19.00 ending -3 weedings			1	+	855	810		
	numy -3 Weedings			+-				855	
	susality Replacement (15%)	18	18	1 50	994	6300	7200	7506	

additional Chief Estimator

Chief Executive Officer State Authority, SCAF

Dy. Conservation of Forests State Authority

	Maintenance of inspection path & fire line	1	1	333	350	400	417
5	Add. overhead (5%) on item 2 to 4 on cost of saplings			366	385	440	459
	SUBTOTAL	22	22	8502	8940	10050	10488
IV	MAINTENANCE OF PLANTATION (2nd Year)						
ı	Casualty replacement (10% of 300 nos.) = 30 nos.						
	(a) Sapling for Area-1 @ 18.00			540		540	
	(b) Sapling for Area-II @ 19.00				570		570
2	Tending -2 weeding	12	12	3996	4200	4800	5004
3	Causality Replacement (10%)	3	3	999	1050	1200	1251
4	Maintenance of inspection path	1	1	333	350	400	417
5	Add. overhead (5%) on item 2 to 4			266	280	320	334
	SUB TOTAL	16	16	6134	6450	7260	7576
v	Maintenance of Plantation (3rd year)						
1	Tending - I weeding	6	6	1998	2100	2400	2502
2	Maintenance of inspection path	1	I	333	350	400	417
3	Add. overhead (5%) on item 1 to 2			117	123	140	146
	Total of 3rd year maintenance	7	. 7	2448	2573	2940	3065
VI	Maintenance of Plantation (4th year)						
1	Tending - I weeding	6	6	1998	2100	2400	2502
2	Maintenance of inspection path	I	1	333	350	400	417
3	Add. overhead (5%) on item 1 to 2			117	123	140	146
	Total of 4th year maintenance	7	7-	2448	2573	2940	3065

Over head provided @ of 5% includes provision for Plantations Tools and Monitoring and Evaluation etc.

Arunachal Pradesh

Dy. Conservation of Forests State Authority Govt of Arunachat Fradesh

Itanayar

REVISED COST NORMS FOR ADVANCE WORK, CREATION & MAINTENANCE OF 1 HA AFFORESTATION PLANTATION

(Based on revision of minimum wages w.e.f. 01/10/2023)

	Vide Finance's Notifiation No. FI				ated 13/1	2/2023	
	Spacing 3Metre x 3M	ctre (1)	100 seed	llings per	Ha)		
SI. No	Items of works		Man days (in Nos)		Existing cost of plantation (in Rs.)		ost norms of on as per wage rate /10/2023 V
		Plain	Hill	Plain	Hill	Plain	Hill
				333	350	400	417~
I	ADVANCE WORK						
1	Survey & Demarcation at plantation site including GPS survey etc	4	4	1332	1400	1600	1668
2	Add. Overheads (5%) on item 1			67	70	80	83
5.	SUB TOTAL	4	4	1399	1470	1680	1751 \
	Raising of seedlings 1100 nos. per hact. @						<u> </u>
	Rs. 18.00 per seedlings for Plain (Area I) & Rs. 19.00 per seedling for Hill (Area II)			19800	20900	19800	20900\
	TOTAL OF ADVANCE WORK	1		21199	22370	21480	22651
II	CREATION						
1	Clearance of brushwood along the planting line, stacking of debris etc	15	15 ~	4995	5250	6000	6255~
2	Alignment of Pits & Stacking (preparation of stakes)	10	10 V	3330	3500	4000	4170 ∨
3	Digging of Pits - 30 cm x 30 cm x 30 cm	22	22 ~	7326	7700	8800	9174 ~
4	Prepration of thala by uprooting of debris by spade around pit - 100 cm dia	22	22 V	7326	7700	8800	9174 V
5	Carrying of sapling to the plantation site i/c planting	20	28 ~	6660	9800	8000	11676
6	Making of inspection path 1 mtr wide	3	3 V	999	1050	1200	1251~
7	Fire line cutting (3m wide) along the periphery	5	5 🗸	1665	1750	2000	2085∨
8	Add. overheads (5%) on SI. No. 1 to 7			1615	1838	1940	2189~
	SUB TOTAL	97	105	33916	38588	40740	45974
II	Fencing For Plantation Per Ha			6824	6824	6824	6824 V
12/1	TOTAL OF CREATION	£97 ±	105	40740	45412	47564	52798

Additional Chief Estimator
Ofo the PCCF (WL&BD) & CWLW
Itanagar

Chief Executive Officer State Authority, SCAF Arunachal Pradesh

Dy. Conservation of For State Authority Govt. of Arunachal Prad Itanagar

	r head provided @ of 5% includes provision	13	13		45	4778	5460	5692
Tota	al of 4th year maintenance	12		-	16	228	260	271 ~
	overhead (3%) on item 1 to 2	1	1/		33	350	400	417~
Mai	intenance of inspection path and 5-1:	12	12~	39	96	4200	4800	5004
Ten	ding - I weeding							
Ma	intenance of Plantation (4th year)						2400	5692
1	tal of 3rd year maintenance	13	13=	4:	545	4778	5460	
To	d. overhead (5%) on item 1 to 2			2	216	228	260	271
1	aintenance of inspection path and fire line	1	1 ~] :	333	350	400	417
1	ending - 1 weeding	12	12~	3	1996	4200	4800	5004
	laintenance of Plantation (3rd year)						14580	15226
M	laintenance of Plantation (2)	30	30	1	2470	13115	14580	626
S	dd. overhead (5%) on item 2 to 4	-		1	500	525	600	+
A	Maintenance of inspection path & fire line	1	1~	1	333	350	400	417
N	Casualty Replacement (10%)	5	5	1	1665	1750	2000	2083
-		24	241	1	7992	8400	9600	1000
1	b) Sapling for Area-II @ 19.00 ending -2 weeding					2090		209
	(a) Sapling for Area-1 @ 18.00				1980		1980	1
	Cost of saplings 110 nos. (10% of 1100 nos.) for casualty replacement							
	MAINTENANCE OF PLANTATION (2nd	Year)				1 -200.	21430	224
IV	SUB TOTAL MAINTENANCE OF DEAL	44	44		1835	5 1930		
5	Add. overhead (5%) on item 2 to 4				733			91
4	Maintenance of inspection path & fire line		$\neg \vdash \neg$		333	-		29
3	Casualty Replacement (15%)	7			233			-
2	Tending -3 weeding	3	6 3	6~	1198			31
	(b) Sapling for Area-II @ 19.00		_		291	313	2970	
	(a) Sapling for Area-I @ 18.00				297	0	2070	
1	for casualty replacement	'						
1	Cost of saplings 165 nos. (15% of 1100 nos.	1			7			

June 1

Additional Chief Estimator Clothe PCOF (WL&BD) & CWLW Hanagar

Chief Executive Officer State Authority , SCAF Arunachal Pradesh Dy. Conservation of For State Authority Goyt. of Arunachal Pradu Itanagar

References:

- 1. Wildlife (Protection) Act, 1972
- 2. The Forest (Conservation) Act, 1980
- 3. The Forest (Conservation) Rules, 2003 & 2022 4. Hon'ble Supreme Court order dated 30.10.2002. 26.09.2005 and 05.05.2006 in WP

(C) 2002.

5. Guidelines of the Ministry of Environment, Forest and Climate Change dated 10.07.2009

Appendixes

Appendix I

Assessment of plantation

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

GOVERNMENT OF ARUNACHAL PRADESH DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE STATE AUTHORITY :: ITANAGAR

No. FOR.166/State Authority/2022/2274-2, 318 To,

Dated Lith March/2024

- 1) The PCCF (WL &BD)
- 2) The Add. PCCF (WP&IT)
- 3) The CCF, WAC/CAC/SAC/EAC
- 4) The CF (HQ)

Subject:- Constitution of Circle Level Monitoring Committee (CMC)-regarding. Reference: i) This office Order No. FOR.166/State Authority/2022/1744-785 dtd 21.03.2024

Sir.

I am directed to inform that for monitoring of the various activities implemented under the approved APO's, the Circle Level Monitoring Committee (CMC) has been constituted (COPY ENCLOSED) to test check the works/articles procured under CAMPA, to inspect the work site from time to time and to test check the works/ records etc. The CMC is mandated to submit quarterly report periodically to the office of PCCF & HoFF.

This issues with the approval of Competent Authority.

Yours faithfully,

(Ankit Kumar)

Deputy Chief Executive Officer (State Authority, CAMPA)

Copy to:

- 1) PS to the PCCF (E,F&CC) & HoFF for kind information please.
- 2) All DFOs for kind information please.

(Ankit Kumar)

Deputy Chief Executive Officer (State Authority, CAMPA)

GOVERNMENT OF ARUNACHAL PRADESH DEPARTMENT OF ENVIRONMENT FORESTS & CLIMATE CHANGE ITANAGAR

No. FOR/166/St. Authority/2022 // 744-785 Dated: 2187 March/202

ORDER

Sub- Constitution of Circle level Monitoring Committee (CMC) -reg

Various activities are undertaken under CAMPA for compensating the damage caused to the forests due to diversion of forest land for non-forestry purpose under FC Act. The APO under CAMPA duly approved by the National Authority is implemented by the DFOs and the activities undertaken in the Division are monitored by the DFOs/ Territorial CCFs etc. Third Party Monitoring is also done with the help of outside agencies to monitor the activities.

It has further been decided that , in addition to the existing monitoring mechanism, the Circle level Monitoring Committee (CMC) at Circle level consisting of the following are hereby constituted:-

i)	CCF (Territorial Circle Concerned)	-	Chairman
ii)	ACF attached with the Circle	-	Member
iii)	FRO (HQ)	9₩	Member
iv)	Supdt./ Accountant/Clerk	.=	Member
	(As per the availability)	*	

It is further decided that the Circle level Monitoring Committee (CMC) of one Circle to test check the works / articles procured Under CAMPA for other Circles as below:

Name of the CMC	Circle to be monitored
CMC, EAC, Tezu	CMC, CAC, Pasighat
CMC, WAC, Bandardewa	CMC, SAC, Deomali
CMC, CAC, Pasighat	CMC, WAC, Bandardewa
CMC, SAC, Deomali	CMC, EAC, Tezu

Further, the CWLW along with his supporting Officers/staff shall monitor the above activities for Working Plan Circle as well as Social Forestry and Silviculture Division and APCCF (WP & IT) along with his supporting Officers/staff shall monitor the activities for all the Wildlife Divisions.

The Committee so constituted shall visit the site from time to time and test check the works/ records etc and submit quarterly report in the month of April/ July/October and January to the PCCF (HoFF)/ HoD. The performance of the CMCs shall be reviewed from time to time.

This issues with the approval of PCCF (HoFF) vide U.O note dated 18.03.2024.

APCCF & CEO CAMPA

Arunachal Pradesh

Copy to:

All Concerned for information and necessary action