

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

No.FOR.3-235/Cons/2021/727-30

Itanagar, dated, 3rd March'2023

To

The Regional Officer,
Integrated Regional Office, Guwahati,
Ministry of Environment, Forest & Climate Change, GoI
4th Floor, Housefed Building, G.S Road, Rukminigaon,
Guwahati-781022

Sub:- Proposal for diversion of 10.30 ha forest land for construction of foot track from Tappa to Goying (0.00 km to 18.60 km) by Border Road Organization in Kurung Kumey District of Arunachal Pradesh.

Ref:- IRO, Guwahati letter F.No. 3-AN C/128/2022/GHY/3191-3192 dated 10.11.2022.

Madam,

With reference to above letters on the subject, it is to enclose herewith following information:

1	The SoI map indicating the proposed foot track mentioned on "Bara CAMP" and the State Govt.is also to clarify whether the "camp area" is involved in this proposal or not.	The Bara CAMP indicated in map is a land mark. The camp area is not involved in this proposal.
2	The status of mutation and notification certificate of the identified CA area.	The alternate CA area at Kamle RF under Hapoli FD. Has been identified.
3	The SoI map indicating 3-alternate route examination with justification for selecting this proposed area.	The SoI map indicating 3-alternate route examination with justification are enclosed at Annexure-I.
4	The calculated revised rate of NPV amount of the forest land being diverted in respect of this instant proposal as per the Ministry letter File No.5-3/2011-FC (Vol-I) dated 21.03.2022, if not submitted.	NPV amoung has already being revised while submitting the proposal for forest clearace vide letter No.FOR.3-235/Cons/2021/2810-14 dated 27.07.2022.
5	The aerial distance of the proposed area from the nearest Protected Area/Wildlife Sanctuary/Natinal Park.	25 km aerial distance from Tale Velley Wildlife Sanctuary.

6	The corrected KML file of the proposed area in polygon feature as it is submitted in linear feature.	The corrected kml file of the proposed area is enclosed at Annexure-II
7	The identified CA area comprises of 4.102 ha very dense forest and 18.454 ha moderately forest as per DSS. State Govt is therefore to conduct site inspection of the identified CA area by an officer not below the rank of Conservator of Forest and report to be submitted mentioning vegetation and forest cover density with photographs of the inspecting officer taken at the site, or else, an alternate CA site is to be submitted along SoI maps, site suitability certificate, GPS-coordinates, shape file etc.	The alternate CA area as identified at Kamle RF under Hapoli FD alongwith SoI map, suitability certificate, kml file & CA scheme are enclosed at Annexure-III

It is therefore, requested to kindly issue necessary formal approval for diversion of 10.30 ha forest land for construction of above foot track under Section-2 of the Forest (Conservation) Act'1980.

Yours faithfully,

[Signature]
03.03.2023

(K.B. Singh)

Addl. PCCF (Cons) & Nodal Officer (FCA)

Copy to:-

1. The Chief Conservator of Forests, WAC, Banderdewa for information
2. The CE (P), Arunank, C/o 99 APO for information.
3. The DFO, Kurung Kumey/Hapoli FD for information.

[Signature]
(K.B. Singh)

Addl. PCCF (Cons) & Nodal Officer (FCA)

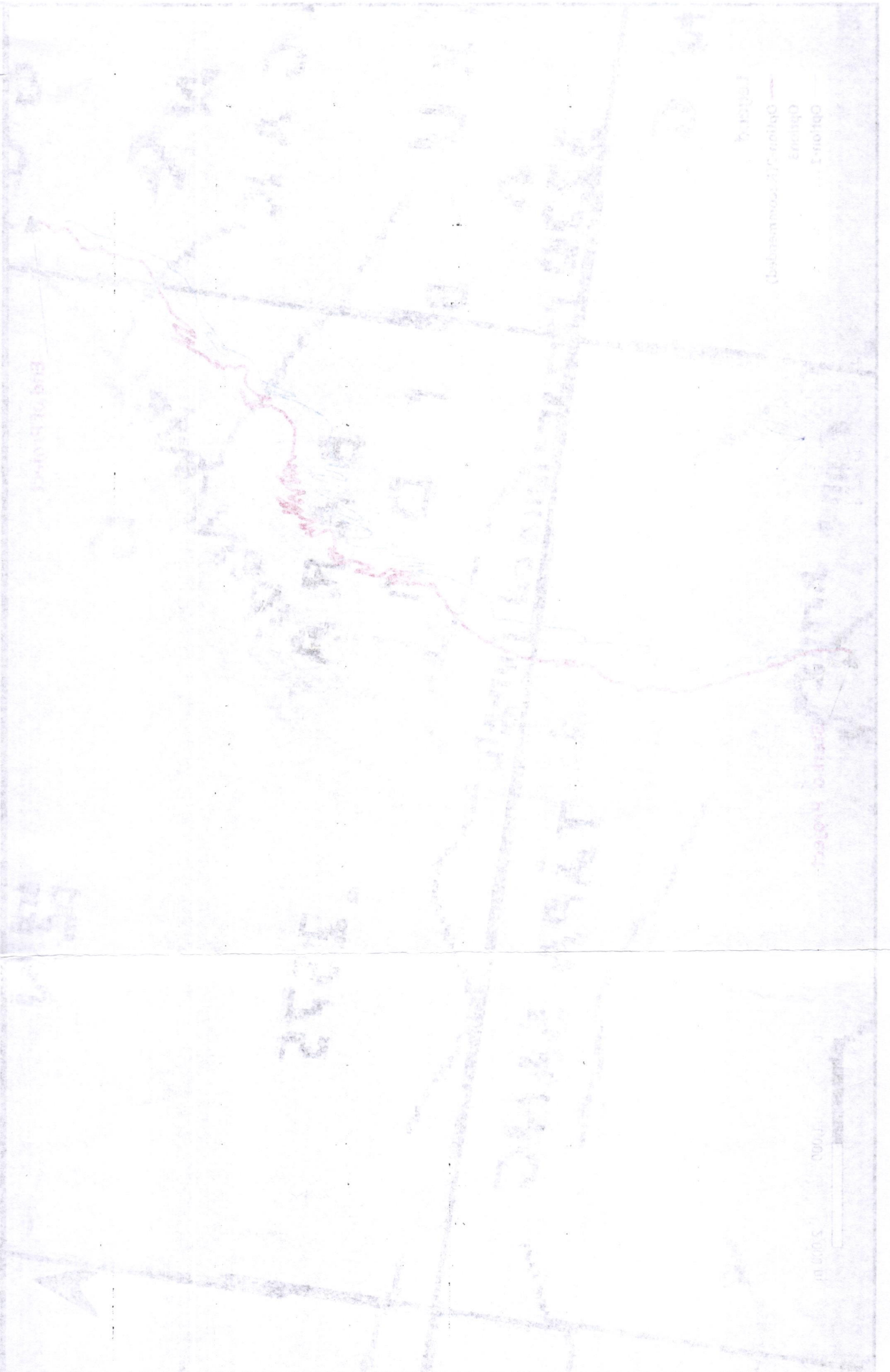
Arunachal Pradesh

Map Showing 3 Alternate Alignment for construction of Foot Track from Tappa to Goying (0.00 km to 18.60 km) by Border Road Organization in Kurung Kumey District of Arunachal Pradesh on SOI MAP



Option 1
Option 2
Option 3 (recommended)
Option 4

0 1000 5000 m



Map showing 3 Alternative Alignment for construction of Foot Track from Tappu to Goying (0.00 km to 18.50 km)

by Border Road Organisation in Kuning Kuney District of Arunachal Pradesh on SOI MAP

Justification of Proposed Area and Study of Alternate Rate

Name of the Project: - Proposal for diversion of 10.30 Ha Forest land for construction of Foot Track from Tappa to Goying (0.00 km to 18.60 km) by Border Road Organization in KurungKumey District of Arunachal Pradesh.


1.1 Salient features of Alignment option I, II and II

The alignment options are studied in detail to arrive at recommended alignment option. The salient features details are shown in Table 1.0

Table 1.0 Salient Feature of Alignment Options I, II and III

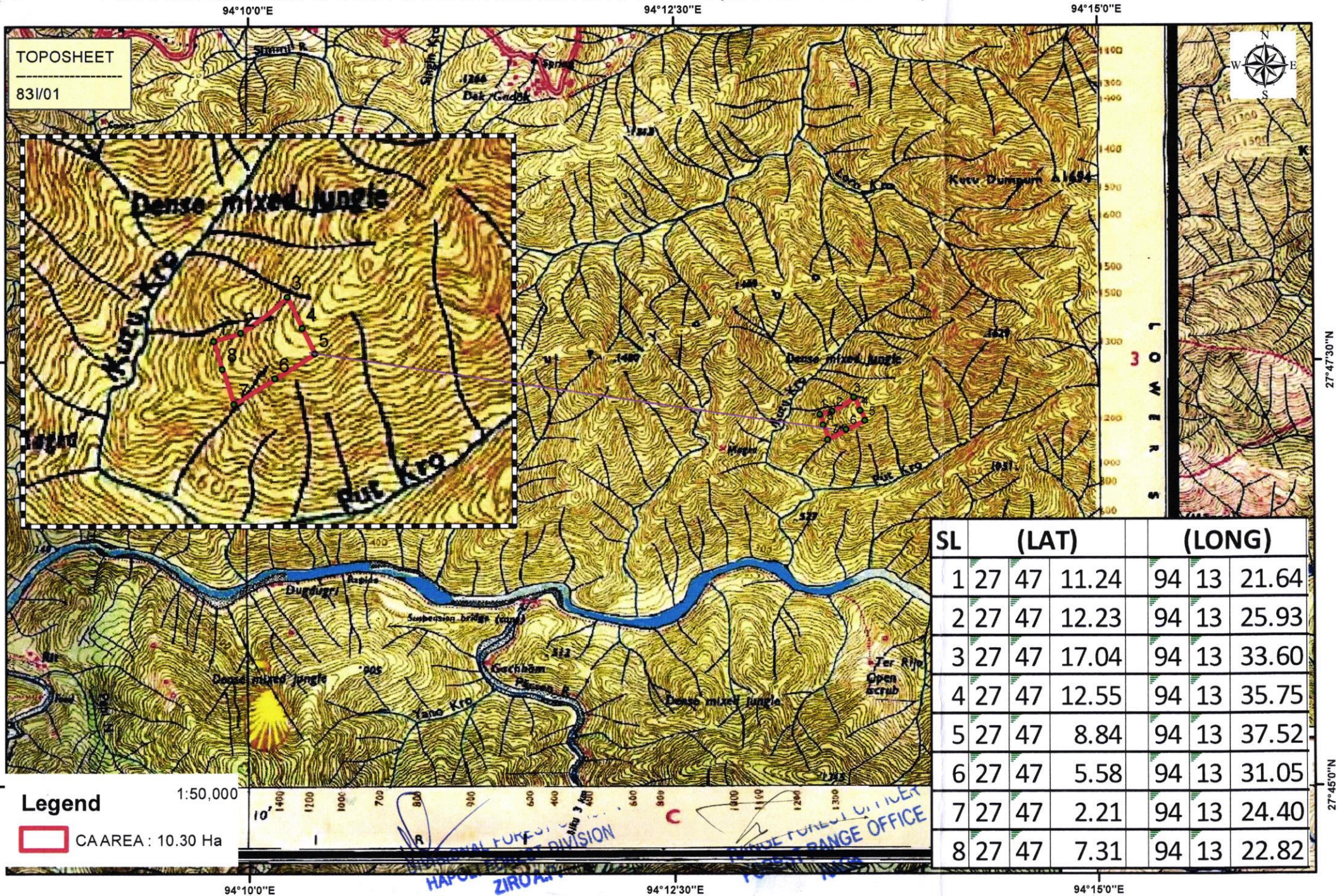
Sr. No.	Description	Option I	Option II	Option III
1	Total length (in KM)	20.5	18.6	19.5
2	Route Alignment	New alignment	New alignment	New alignment
3	Terrain	Hilly	Hilly	Hilly
4	ROW	5 m	5 m	5 m
5	Gradient	7 %	5 %	6.5%
6	Design Speed	20 Kmph	20 Kmph	20 Kmph
7	Geometrics	Following geometric with radius 10 m	Following geometric with radius 15 m	Following geometric with radius 10 m
8	No. of Bridges/ Culvert	10	8	12
9	Affected Forest land (in Ha)	For Proposed alignment- 10.25 Ha For Muck Dumping- 2 Ha	For Proposed alignment- 9.30 Ha For Muck Dumping- 1 Ha	For Proposed alignment- 9.75 Ha For Muck Dumping- 2 Ha
10	Tree to affected	830	776	810
11	Approximate Civil cost (in lakhs)	4218	4092	4158
12	Recommended Option	No	Yes	No

Option -II is recommended for proposed alignment over Option -I and Option III as the option-II has shortest length in forest land, minimum nos. of tree felling and better geometric and gradients.


 (Roshan Kumar Singh)
 EE (Civ)
 Officer Commanding
 119 RCC (GREF)

Annexure - III

MAP OF PROPOSED CA AREA : 10.30 HA AT KAMLA RF, RAGA FOREST RANGE
FOR CONSTRUCTION OF FOOT TRACK FROM TAPPA TO GOYING (0.00 Km TO 18.60 Km) UNDER HAPOLI FOREST DIVISION



ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION

Name of Project
User Agency
Location of CA
Area of CA
Wages rate (DL)

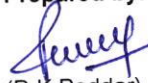
Construction of foot track from Tappa-Goying
BRFT
Kamle RF
10.3 ha
333/-

Sl. No.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	11330	18	203940	
1	1ST YEAR OPERATION					
	Survey & demarcation and prepration of map @ 5 DL/ ha.	Ha	10.30	1332	13720	
	Add paid holidays @ 18.63%					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	2000	231.52	463040	
	(ii) Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add.					
	Add 10% escalation value by multiplying factor:					
	1.20 for 3rd year					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
3	Raising of seedlings for casualty replacement	No.	2833	18.00	50994	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
4	RAISING OF PLANTATION					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 D/L per ha.	Ha	10.30	53114	547074	
	(ii) Alignment of pits & preparation of stakes, staking					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm					
	(iv) Transportation of seedlings to the planting site i/c planting of seedling					
	(v) Making of inspection path 1mtr wide					
	(vi) Fire line cutting 3mtrs wide along the periphery					
	(vii) Tending - 4 weeding					
	(viii) Add paid holiday @ 18.63%					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION					
	(i) Tending - 3 weeding	Ha	10.30	17982	185215	
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path					
	(iv) Maint. Of fireline					
	(v) Add paid holiday @ 18.63 % on item 5 (i) to 5 (iv)					

	Add 20% escalation value on total of item 5(i) to 5(v)					
6	4TH YEAR OPERATION					
	(i) Tending -2 weedings	Ha	10.30	14286	147146	
	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	(v) Add paid holiday @ 18.63% on item 6(i) to 6 (iv)					
	Add 30% escalation value on item 6(i) to 6(v)					
7	5TH YEAR OPERATION					
	(i) Tending - 1 weedings	Ha	10.30	6572	67692	
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
8	6TH YEAR OPERATION					
	(i) Tending - 1 weedings	Ha	10.30	6993	72028	
	(ii) Maint. of inspection path @ 1 DL/ ha.					
	(iii) Maint. of fireline @ 1DL/ha.					
	(iv) Add paid holiday @ 18.63% on item 8(i) to 8 (iii)					
	Add 50% escalation value on item 8(i) to 8(iv)					
9	7TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	10.30	2664	27439	
	(ii) Add paid holiday 18.63% item 9(i)					
	Add 60% escalation value on total item 9(i) to 9(ii)					
10	8TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climbing cutting	Ha	10.30	2831	29159	
	(ii) Add paid holiday @ 18.63% on total of item 10(i)					
	Add 70% escalation value on item 10(i) to 10 (ii)					
11	9TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	10.30	2997	30869	
	(ii) Add paid holiday @ 18.63% on item 11 (i)					
	Add 80% escalation value on total of item 11(i) to 11 (ii)					
12	10TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	10.30	3164	32589	
	(ii) Add paid holiday @ 18.63% on item 12 (i)					
	Add 90% escalation value on total of item 12 (i) to 12 (ii)					

15	Approach foot track to plantation in area where necessary	Rmt	1500	6.57	9855	
16	Monitoring, Supervision (POL, Maint.of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e.15% on item No.1 to 15 plus nursery cost over Rs.1880760/-				282114	
17	Entry point Activities at the rate of Rs.10,000/- per ha.	Ha	10.30	14500	149350	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	Ha	10.30	7200	74160	
				Grand Total	2386384	
				or say	2386400	
(Rupees twenty three lakhseighty six thousand four hundred) only						

Prepared by:

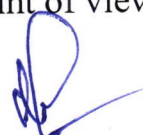

(D.K.Poddar)

Addl.Chief Estimator
O/o the PCCF, Itanagar.

(K.B.Singh)
Addl.PCCF (Cons) &
Nodal Officer (FCA)

Suitability Certificate

Certified that 10.30 ha of degraded community land identified for Compensatory Afforestation in lieu of diversion of forest land for construction of Foot Track from Tappa to Goying (0.00 km to 18.60 km) by BRTF at Kamle RF under Hapoli Forest Division is suitable for compensatory afforestation and from Management point of view.



Divisional Forest Officer
Hapoli Forest Division
Ziro

**DIVISIONAL FOREST OFFICER
HAPOLI FOREST DIVISION
ZIRO A.P.**