

**GOVERNMENT OF ARUNACHAL PARDESH,
DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
ITANAGAR**

No. FOR. 13-57/CONS/2021/ 1464-67

Dated: 6th April'2022.

✓ To

The Assistang Vice President,
VAPI-II North Lakhimpur Transmission Ltd.,
Assam.

Sub: Proposal for diversion of 30.95 ha forestland for construction of 132 KV D/C LILO of one circuit of Pare HEP to North Lakhimpur (AEGCL) line at Nirjuli (POWERGRID) sub-station by VAPI-II North Lakhimpur Transmission Ltd. in Papum Pare District of Arunachal Pradesh – reg.

Sir,

Please find enclosed herewith a copy of letter F. No. 3-AN C 088/2022-GHY/2242-2243 dtd. 30.03.2022, vide which, Govt. of India, Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Guwahati has conveyed in-principle approval for diversion of 30.95 ha forestland for construction of 132 KV D/C LILO of one circuit of Pare HEP to North Lakhimpur (AEGCL) line at Nirjuli (POWERGRID) sub-station by VAPI-II North Lakhimpur Transmission Ltd. in Papum Pare District of Arunachal Pradesh. You are requested to arrange to transfer the following amounts at an early date to enable this office to submit compliance report for obtaining final approval.

- | | |
|--|-------------------|
| 1. Compensatory Afforestation over 61.95 ha.
as per detailed estimate enclosed | Rs.1,95,27,600/- |
| 2. Cost of NPV over 30.95 ha | Rs.4,44,64,937 /- |
| 3. Cost of Dwarf Species Plantation for 30.95 ha
as per detailed estimate enclosed. | Rs.87,57,400,- |

Further, you are requested to ensure compliance of all the conditions individually & separately and submit necessary undertakings in respect of relevant items wherever required to this office immediately along with compliance report. It may be noted that non-compliance of conditions individually is one of the most common cause of delay after remittance of amount/money towards compensatory levies.

The amounts mentioned at Sl. No. 1 to 3 above totalling Rs.7,27,49,937/- (Rupees seven crore twenty seven lakh forty nine thousand nine hundred thirty seven) only is to be deposited by generating challan through on-line mode on web portal (<https://parivesh.nic.in>) to the Union Bank of India, Lodhi Complex Branch, Block 11, CGO Complex, Phase-1, New Delhi-110003 (RTGS/IFSC Code No. UBIN0903710) for credit in Account No. Arunachal Pradesh 520101263743426. Beneficiary Name: CAF, Arunachal Pradesh CAMPA. Further, the Certified copy of the receipt No. and RTGS document such as UTR No. etc of remittance may be sent to this office for further action.

Besides above, an undertaking to the effect that extraction cost of the project affected trees as calculated by the Department of Environment, Forest & Climate Change on the basis of actual number of trees to be felled will be paid by the User Agency may be submitted alongwith the compliance report of stipulated conditions of AIP. The extraction cost of trees actually to be felled is to be worked out by the DFO concerned and to be submitted to this office for approval and after obtaining approval, payment to be made by the User Agency.

Also, it is requested not to break the forest land till final approval of the proposal is granted under the Forest (Conservation) Act, 1980.

Yours faithfully

Encls: As stated above

(R.K. Singh)
Principal CCF (A & V) & Nodal Officer (FCA)

- Copy to:
1. The Chief Conservator of Forests, WAC, Banderdewa for information.
 2. The Divisional Forest Officer, Banderdewa/Sagalee FD Forest Division for information. It is requested to submit the estimate for extraction cost of trees actually to be felled as per stipulated condition No.A (7 & 9) of AIP (enclosed) to this office through CCF, WAC immediately for approval

(R.K.Singh)
Principal CCF (A & V)
& Nodal Officer (FCA)

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST DIVISION

Name of project : Construction of 132 KV DC Transmission Line from Pare HEP- North
User Agency : Vapi-II North Lakhimpur Transmission Limited.
Location of CA : Dolmukh RF
Area of CA : 23.31 x 2 =46.62 ha. or say 46.65 ha
Wages rate (DL) : 333/-

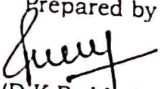
		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	51315	18	923670	
1	1ST YEAR OPERATION					
	Survey & demarcation and prepration of map @ 4 mandays/ ha.	ha	46.65	1332	62138	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	3800	231.52	879776	
	(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					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	12829	18.0	230922	
	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 mandays/ha.	ha	46.65	53114	2477768	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Prepration of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carring of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I0/ha					

	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha					
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha					
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION	ha	46.65	17982	838860	
	(i) Tending - 3 weeding @ 12 mandays/ha					
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path @ 1 manday/ha					
	(iv) Maint. Of fireline @ 1 manday/ha					
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	4TH YEAR OPERATION	ha	46.65	14286	666442	
	(i) Tending - 2 weedings @ 12 mandays/weeding/ha					
	(ii) Casualty replacement 10% @ 7 mandays/ha					
	(iii) Maint. Of inspection path @ 1 manday/ha					
	(iv) Maint. of fireline @ 1 manday/weeding/ha					
	Add 30% escalation value on item 6(i) to 6(iv)					
7	5TH YEAR OPERATION	ha	46.65	6527	304485	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 manday/ha					
	(iii) Maint. Of fire line @ 1 manday/ha					
	(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	ha	46.65	6993	326223	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 mnday/ ha.					
	(iii) Maint. of fireline @ 1 manday/ha.					
	Add 50% escalation value on item 8(i) to 8(iii)					
9	7TH YEAR OPERATION	ha	46.65	2664	124276	

(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 60% escalation value on total item 9(i)					
8TH YEAR OPERATION	ha	46.65	2831	132066	
(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
Add 70% escalation value on item 10(i)					
Sub-Total					
9TH YEAR OPERATION	ha	46.65	2997	139810	
(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 80% escalation value on total of item 11(i)					
10TH YEAR OPERATION	ha	46.65	3164	147601	
(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 90% escalation value on total of item 12 (i)					
Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 10000/- for Area-I & Rs.10500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	2	1740000	3480000	
(M.F=1.1) for 2nd year					
(M.F=1.2) for 3rd year					
(M.F=1.3) for 4th year					
(M.F=1.4) for 5th year					
(M.F=1.5) for 6th year					
(M.F=1.6) for 7th year					
(M.F=1.7) for 8th year					
(M.F=1.8) for 9th year					
(M.F=1.9) for 10th year					
a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost.	No.	2.00	492000	984000	
b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					

1.3 for 4th year					
1.4 for 5th year					
1.5 for 6th year					
Approach foot track to plantation in area where necessary	Rmt	5000	6.57	32850	
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 to16 plus Nursery cost to meet the unforeseen expenditure Rs.11750887/-				1762633	
Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	46.65	7200	335880	
			Total	13849400	
				or say Rs.13849400	

(Rupees one crore thirty eight lakh forty nine thousand four hundred) only

Prepared by

 (D.K.Poddar) Chief Estimator
 O/O PCCF, Itanagar


 (R.K.Singh)
 Nodal Officer (FCA)

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER SAGALEE FOREST DIVISION

Name of project : Construction of 132 KV DC Transmission Line from Pare HEP- North
 User Agency : Vapi-II North Lakhimpur Transmission Limited.
 Location of CA : Doimukh RF
 Area of CA : 7.64 x 2 =15.28 ha. or say 15.30 ha
 Wages rate (DL) : 333/-

		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	16830	18	302940	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 4 mandays/ ha.	ha	15.30	1332	20380	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	2200	231.52	509344	
	(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					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	4208	18.0	75744	
	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 debris @ 15 mandays/ha.	ha	15.30	53114	812644	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Preperation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carring of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I0/ha					

	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha					
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha					
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION	ha	15.30	17982	275125	
	(i) Tending - 3 weeding @ 12 mandays/ha					
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path @ 1 manday/ha					
	(iv) Maint. Of fireline @ 1 manday/ha					
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	4TH YEAR OPERATION	ha	15.30	14286	218576	
	(i) Tending -2 weedings @ 12 mandays/weeding/ha					
	(ii) Casualty replacement 10% @ 7 mandays/ha					
	(iii) Maint. Of inspection path @ 1 manday/ha					
	(iv) Maint. of fireline @ 1 manday/weeding/ha					
	Add 30% escalation value on item 6(i) to 6(iv)					
7	5TH YEAR OPERATION	ha	15.30	6527	99863	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 manday/ha					
	(iii) Maint. Of fire line @ 1 manday/ha					
	(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	ha	15.30	6993	106993	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 mnday/ ha.					
	(iii) Maint. of fireline @ 1 manday/ha.					
	Add 50% escalation value on item 8(i) to 8(iii)					
9	7TH YEAR OPERATION	ha	15.30	2664	40759	

	Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	15.30	2831	43314	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	15.30	2997	45854	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	15.30	3164	48409	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 10000/- for Area-I & Rs.10500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	1	1740000	1740000	
	(M.F=1.1) for 2nd year					
	(M.F=1.2) for 3rd year					
	(M.F=1.3) for 4th year					
	(M.F=1.4) for 5th year					
	(M.F=1.5) for 6th year					
	(M.F=1.6) for 7th year					
	(M.F=1.7) for 8th year					
	(M.F=1.8) for 9th year					
	(M.F=1.9) for 10th year					
14	a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost.	No.	1.00	492000	492000	
	b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					

	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
16	Approach foot track to plantation in area where necessary	Rmt	1500	6.57	9855	
17	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 to16 plus Nursery cost to meet the unforeseen expenditure Rs.4841800/-				726270	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	15.30	7200	110160	
				Total	5678230	
					or say Rs.5678200	

(Rupees fifty six lakh seventy eight thousand two hundred) only

Prepared by

(Signature)
 (D.K.Podder) Chief Estimator
 O/O PCCF, Itanagar

(Signature)
 (R.K.Singh)
 Nodal Officer (FCA)

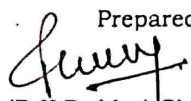
Revised Estimate for creation and maintenance of dwarf species plantation (Preferably Medicinal Plant) in Right of way under Banderdewa & Sagalee Forest Division.

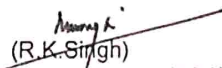
Name of project : Laying of 132 KV DC transamission line from Pare HEP - North Lakhimpur
 User Agency : Vapi-II North Lakhimpur Transmission Ltd.
 Area for dwarf plantation : 30.95 ha
 Wages rate (DL) : 333/-

Sl. No.	Item of works					Remarks
		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 4400 Nos. / ha.(spacing 1.5 m x 1.5 m)	ha	136180	18	2451240	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 4 mandays/ ha.	ha	30.950	1332	41225	
	Sub Total					
2	Raising of seedlings for casualty replacement	No.	34045	18.0	612810	
	3rd year 15%=1500					
	4th year 10%= 1000 Nos. Total= 2500 Nos.					
3	RAISING OF PLANTATION					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 mandays per ha.	ha	30.95	88828	2749227	
	(ii) Alignment, staking & preparation os stakes, @ 28 mandays/ha.					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 83 mandays/ha					
	(iv) Carrying of saplings to the planting site i/c planting of saplings @ 69 mandays (Area-I)/ha @ 83 mandays (Area-II)					
	(v) Tending - 4 weeding @ 12 mandays/weeding per ha.					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
4	3RD YEAR OPERATION	ha	30.95	23177	717328	
	(i) Tending - 3 weeding @ 12 mandays/weeding per ha					
	(ii) Casualty replacement 15% of saplings.					
	Add 20% escalation value on total of item 3(i) to 3(ii)					
5	4TH YEAR OPERATION	ha	30.95	19913	616307	
	(i) Tending -2 weedings @ 12 mandays/weeding per ha					
	(ii) Casualty replacement 10% saplings					

	Add 30% escalation value on item 4(i) to 4(ii)				
6	5TH YEAR OPERATION	ha	30.95	5594	173134
	(i) Tending - 1 weedings @ 12 mandays/weeding per ha				
	Add 40% escalation value on item 7(i)				
7	Wages for plantation watchman at the rate of U/skilled labourer round the year for 5 (five) years (one watchman for every 25 ha of area subject to a minimum area of 15 ha) @ Rs.10000/- for Area-I & Rs.10500/- for Area-II per month adding escalation value by multiplying factor as below.	No.	1.00	600000	600000
	(M.F=1.1) for 2nd years				
	(M.F=1.2) for 3rd years				
	(M.F=1.3) for 4th years				
	(M.F=1.4) for 5th years				
8	Monitoring, Supervision (POL, Maint.of vehicles, including TE etc) @ 7% and Contingency @ 3% to meet up unseen expenditure i.e 10% on item No.1 to 7 plus Nursery cost Rs.7961272/-				796127
				Total	8757399
					or say 8757400

(Rupees eighty seven lakh fifty seven thousand four hundred) only

Prepared by

 (D.K.Poddar) Chief Estimator
 O/O PCCF, Itanagar


 (R.K.Singh)
 PCCF (A&V) & Nodal Officer (FCA)