

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

No. FOR.13-72/Cons/2022/ 405-10

Itanagar dated 30th Jan'2024

To

The Deputy Director General of Forests (Central),
Sub Office, Guwahati (under Regional Office, Shillong)
4th Floor, Housefed Building , Rukminigaon
Guwahati- 781022.

Sub:- Proposal for diversion of 257.766 ha of forest land for laying of 132 KV D/C tower T/L from Tezu to Halaipani under Comprehensive Scheme for strengthening of transmission and distribution system by Power Department in Lohit, Anjaw and Namsai District of Arunachal Pradesh.

Ref:- Your letter F.No. 3-AN A 170/2023-GHY/4289-90 dtd.28.07.2023, No. 3-AN A/170/2023/GHY/4411-12 dtd.17.08.2023 and No.3-AN A/170/2023/GHY/4464-65 dtd.04.09.2023 .

Madam,

With reference to letter cited above, this is to submit compliance report as below of the conditions stipulated therein for favour of your information and necessary action:

A. Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

1	The User Agency shall transfer, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28/03/2008, 24/04/2008 and 09/05/2008 in Writ petition (Civil) No.202/1995 and as per the guidelines issued by the Ministry vide letters No.5-3/2007-FC dated 05.02.2009 and File No.5-3/2011-FC (Vol-I) dated 21.03.2022. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned;	As per revised rate of MoEF&CC's letter dated 21.03.2022, the amount of Net Present Value of the forest land diverted under this proposal for Rs.36,90,33,128/- has been deposited to National Authority (CAMPA) as per e-challan dated 22.09.2023 and deposited on 28.09.2023 at Annexure-I.
2	The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate for anticipated cost increase for works scheduled for subsequent years;	The cost of compensatory afforestation for Rs.18,87,14,100/- and dwarf species plantation of Rs.1,57,48,100/- has been deposited to National Authority (CAMPA) as per e-challan dated 22.09.2023 and deposited on 28.09.2023 at Annexure-I .
3	All the funds received from the User Agency (CA and dwarf plantation cost, NPV etc) under the project shall be transferred/ deposited to Compensatory Afforestation Fund of Arunachal Pradesh State managed by the Ad-hoc CAMPA only through e-portal (https://parivesh.nic.in). Amount deposited through other mode will not be	The total amount of Rs.57,34,95,328/- being cost of CA, NPV & Dwarf species plantation has been deposited to National Authority (CAMPA) as per e-challan dated 22.09.2023 and deposited on 28.09.2023 at Annexure-I .

	accepted as compliance of the Stage-I clearance.	
4	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/).	Uploaded.
5	The KML files of the area to be diverted, the CA areas, the proposed SMC work, the proposed Catchment Area Treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval, as the case may be.	The KML files of the area to be diverted and the CA areas are uploaded on the e-Green watch portal.
6	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;	The User Agency has submitted undertaking for this condition. and to be done after final approval at Annexure-II
7	The user agency shall explore the possibility of successful tranlocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.	The User Agency has submitted undertaking for this condition at Annexure-III.
8	The charges for felling, logging and transportation of project affected trees should be collected from the User Agency at the rates approved by the State Govt and deposited with the DFO concerned for utilization immediately following the diversion of forest land.	An amount of Rs.1,24,05,140/- towards cost of felling, logging and transportation of project affected trees of the land proposed for diversion has been deposited directly to the Divisional Forest Officer concerned.
9	The expenditure like boundary walls, stone pillars, demarcation charges, cost of damage of trees the funds on these accounts should, be deposited with the DFO concerned.	The User Agency has submitted undertaking for this condition at Annexure-IV.
10	The User Agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.	The User Agency has submitted undertaking for this condition at Annexure-V.
11	The complete compliance of the FRA, 2006 Shall be ensured by way of prescribed certificate from the concerned District Collector.	The complete compliance of the FRA, 2006, submitted by the DC, Lohit & Anjaw are enclosed at Annexure-VI & VII.
12	Violation of any of these conditions will amount to violations of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019.	The User Agency has submitted undertaking for this condition at Annexure-VIII.

13	The User Agency in consultation with the State Forest Department prepare a detailed scheme for creation and maintenance of plantation of dwarf species (preferably medicinal plants) in right of way under the transmission line for execution of the said scheme to the State Forest Department.	The revised dwarf species plantation scheme on the basis of revised wage rate is enclosed at Annexure-IX
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B: Conditions which need to be strictly complied on field after handing over of forest land to the User Agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Statge-II approval:

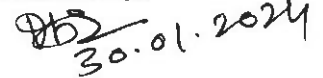
1	Legal status of the forest land shall remain unchanged.	Noted
2	The Compensatory Afforestation shall be taken up on double the degeraded forest land of 515.54 ha i.e 334.33 ha at Kamle RF under Hapoli Forest Division in Lower Subansiri district and 181.21 ha in Tezu PRF & Tafragam ARF in Lohit Forest Division in Lohit District of Arunachal Pradesh within three years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department at the cost of the User Agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided. The CA will be maintained for 10 years.	Noted.
3	The proposed OB labour Sheds & MB type quarter in the Compensatory Afforestation scheme should be of temporary structure and to be dismantled within 10 years from the 1 st year of plantation, State Govt shall adhered to Section 5(4) (e) of CAF rules and other relevant Rules as applicable while implementing the Compensatory afforestation scheme, and accordingly technically approved and duly signed revised CA estimate scheme is to be submitted.	The revised CA scheme as per revised wage rate for 10 years technically approval by the competent authority are enclosed at Annexure-X & XI
4	At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;	The User Agency has submitted undertaking for this condition at Annexure-XII.
5	The User Agency shall obtain the Environment Clearance as per the provisions of Environment (Protection) Act, 1986, if required;	Not applicable
6	No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;	The User Agency has submitted undertaking for this condition at Annexure-XIII.

7	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.	The User Agency has submitted undertaking for this condition at Annexure-XIV.
8	No damage to the flora and fauna of the adjoining area shall be caused;	The User Agency has submitted undertaking for this condition at Annexure-XV.
9	The lay out of the proposal shall not be changed without the prior approval of the Central Government.	The User Agency has submitted undertaking for this condition at Annexure-XVI.
10	The concerned Divisional Forest Officer, will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.	Noted.
11	The User Agency at its cost shall provide bird deflectors, which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits.	The User Agency has submitted undertaking for this condition at Annexure-XVII.
12	The User Agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.	The User Agency has submitted undertaking for this condition at Annexure-XVIII.
13	The User Agency shall comply with the guidelines for laying transmission through forest areas issued by Ministry vide letter No. 7-25/2012-FC dated 05/05/2014 & 19/11/2014.	The User Agency has submitted undertaking for this condition at Annexure-XIX.
14	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	The User Agency has submitted undertaking for this condition at Annexure-XX.
15	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the User Agency or the project life, whichever is less.	Noted.
16	The forest land shall not be used for any purpose other than that specified in the project proposal.	The User Agency has submitted undertaking for this condition at Annexure-XXI.
17	As per Ministry's letter No. 11-30/96-FC(Pt) dtd. 14.9.2001, if the compliance of stipulated conditions is awaited from the State Govt. for more than 5(five) years, the in-principle approval would be summarily revoked considering that the user agency is no longer interested in the project.	Noted
18	Any other conditions that the Integrated Regional Office, Guwahati, Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection and development of Forests & Wildlife.	Noted

It is, therefore, requested to kindly issue necessary formal approval for diversion of 257.766 ha forestland for construction of above Transmission line under Section-2(ii) of the Forest (Conservation) Act, 1980 at an early date.

Enclosed:- As above

Yours faithfully,



30.01.2024

(K.B.Singh)

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

Copy to:-


1. The Chief Conservator of Forests, EAC, Tezu for information.
2. The Chief Engineer, Transmission, Planning & Monitoring Zone, DoP, Vidyut Bhawan, Itanagar for information and necessary action.
3. The Executive Director, Power Grid Corporation Ltd., Itanagar for information and necessary action.
4. The Executive Engineer (E), Transmission Division No-III, Power Deptt., of Power, Itanagar for information and necessary action.
5. The Divisional Forest Officer, Lohit, Anjaw and Namsai Forest Division for information.


(K.B.Singh)

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

Amber-1

Payment Details

12	FP/AR/TRANS/153585/2022 Construction of 132 Kv S/C on D/C transmission line from Tezu to Halaipani under Comprehensive scheme for strengthening of T & D system in Arunachal Pradesh	TRANS1535852022055	28 Jul 2023	CA: 188714100/- PCA: 0/- Safety Zone: 0/- NPV: 369033128/- Total: 573495328/-	Addl CA : 0/- CAT : 0/- Addl PA : 0/- Dwarf Species : 15748100/-	 Paid	Fund Demand Verified by : 15 Sep 2023 Nodal Officer On Bank Name : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On : 22 Sep 2023 Transaction Date : 28 Sep 2023	Demand Letter Generated Challan
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GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

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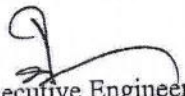
Dated

Annexure-**II**

UNDERTAKING FOR DEMARCATION OF BOUNDARY LAND BY ERECTING
REINFORCED CEMENT CONCRETE PILLAR

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer for 132 kV Tezu-Halaipani Transmission Line.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer (E),
Transmission Division-III
Department of Power, Pasighat
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

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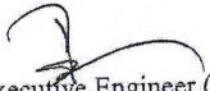
Dated:

Annexure-F 

UNDERTAKING FOR TRANSLOCATION OF TREES

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, we will explore the possibility of successful translocation of maximum number of trees identified to be felled and ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer (E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:


Dated:

Annexure-~~II~~ ^{IV}

UNDERTAKING FOR DEPOSIT OF EXPENDITURE LIKE BOUNDARY WALLS,
STONE PILLARS, DEMARCATION CHARGE AND COST OF DAMAGE OF TREES

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the expenditure like boundary walls, stone pillars, demarcation charges, cost of damage of trees the funds on these accounts will be deposited with the DFO concern for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

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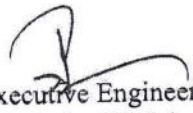
Dated:

Annexure-*V*

UNDERTAKING FOR MINIMUM FELLING OF TREES

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, we will restrict the felling of trees to minimum number in the diverted forest land and the trees will be felled under strict supervision of the State Forest Department and the cost of felling of trees will be deposited with the state Forest Department for 132 kV Tezu- Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



Annexure-1 YL

FORM-1
(For linear project)
GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE DEPUTY COMMISSIONER : LOHIT DISTRICT
TEZU::792001

No. DCLHT (12) /5/2023/973

Dated Tezu the, 9th Jan' 2024.

TO WHOM IT MAY CONCERN

In compliance of the Ministry of Environment and Forest (MoEF), Government of India's letter No.11-9/98-FC (pt.) dated 3rd August' 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Schedule Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006. ('FRA', for short). on the forest land proposed to be diverted for non-forest purposes read with MoEF letter dated 5th February' 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that **90.60 hectares** of forest land proposed to be diverted in favour of "Department of Power, Govt. of Arunachal Pradesh" for construction of **132 KV S/C on D/C Tower Transmission Line from Tezu to Halaipani (Marbo)** under Comprehensive T&D Scheme of Arunachal falls within Lohit Forest Division (90.60 Ha) under Lohit District.

It is further certified that:

- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire **90.60 hectares** of forest area proposed for diversion. **(Not applicable in this area).**
- (b) The diversion of Forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it. **(Not applicable in this area).**
- (c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities. **(Not applicable in this area).**

✓
(SHASHVAT SAURABH)IAS

Deputy Commissioner
Lohit District: Tezu.
Deputy Commissioner
Lohit District (A.P.)



Annexure-1

FORM-1

(For linear project)

GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE DEPUTY COMMISSIONER: ANJAW DISTRICT
Hawai::792104

No. ANJ/LM-80/09-10/


Dated Hawai the 11th Sept'2023

TO WHOM IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC (pt.) dated 3rd August'2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act,2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest purposes read with MoEF letter dated 5th February'2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that **167.162 hectares** of forest land proposed to be diverted in favour of "Department of Power, Govt. of Arunachal Pradesh" for construction of **132 KV S/C on D/C Tower Transmission Line from Tezu to Halaipani (Marbo)** under Comprehensive T & D Scheme of Arunachal falls within Anjaw Forest Division (163.123 Ha) & Namsai Forest Division (4.039 Ha) under Anjaw District.

It is further certified that:

- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire **167.162 hectares** of forest area proposed for diversion. **(Not applicable in this area)**
- (b) The diversion of Forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it. **(Not applicable in this area)**
- (c) The proposal does not involve recognised rights of Primitive Tribal Groups and Pre-agricultural communities. **(Not applicable in this area)**


(Talo Jerang)
Deputy Commissioner
Anjaw District, Hawai (A.P.)
Deputy Commissioner
Anjaw District, Hawai



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:


Dated

Annexure-**VIII**

UNDERTAKING FOR NON-VIOLATION OF ANY OF CONDITIONS OF FOREST
(CONSERVATION) ACT, 1980.

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake not to violation of any of the conditions of Forest (Conservation) act,1980 and if found so, will be liable for necessary action.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat

Approved - IX

818

Estimate for creation and maintenance of Dwarf Species (Preferably Medicinal Plant/ Herb/Shrubs) in Right of way under Lohit, Anjaw & Namsai Forest Division.

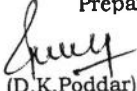
Name of project : Laying of 132 KV SC on DC T/L from Tezu to Halaipani
User Agency : Deptt. of Power
Area for dwarf plantation : 257.769 ha X 20% = 51.55 ha (Lohit-18.12, Anjaw-32.62 & Namsai-0.81)
Wages rate (DL) : 367/-

Sl. No.	Item of works					Remarks
		Unit	Qty	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 4400 Nos. / ha. (spacing 1.5 m x 1.5 m)	ha	226820	18	4082760	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	51.55	1468	75675	
	Sub Total					
2	Raising of seedlings for casualty replacement	No.	56705	18.0	1020690	
	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 debris @ 15 mandays per ha.	ha	51.55	97989	5051333	
	(ii) Alignment, staking & preparation of 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	51.55	25543	1316742	
	(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	51.55	21947	1131368	
	(i) Tending - 2 weeding @ 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	51.55	6166	317857	
	(i) Tending - 1 weeding @ 12 mandays/weeding per ha					
	Add 40% escalation value on item 7(i)					

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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.	2.00	660000	1320000	
	(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 to7 plus Nursery cost Rs.14316425/-				1431643	
				Total	15748068	
					or say 15748100	

(Rupees one crore fifty seven lakh forty eih thousand one hundred) only

Prepared by

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


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

REVISED ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER LOHIT

Name of project : Construction of 132 KV SC on DC tower T/L from Tezu to Halaipani
 User Agency : Power Deptt.
 Location of CA : Tezu PRF-133.60 ha and Tafragam ARF-47.61 ha
 Area of CA : 181.21 ha
 Wages rate (DL) : 367/-

		Unit	Qnt	Rate	Amount
A	Creation of Nursery				
	Cost of seedlings @ 1100 Nos. / ha.	ha	199331	18	3587958
1	1ST YEAR OPERATION				
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	181.21	1468	266016
2	2ND YEAR OPERATION				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	7500	262.51	1968825
	(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.	49833	18.0	896994
	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	181.21	58537	10607490
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/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	181.21	19818	3591220
	(i) Tending - 3 weeding @ 12 mandays/ha				
	(ii) Casualty replacement 15%				
	(iii) Maint. of inspection path @ 1 manday/ha				

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	(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	181.21	15744	2852970
	(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	181.21	7193	1303444
	(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	181.21	7707	1396585
	(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	181.21	2936	532033
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha				
	Add 60% escalation value on total item 9(i)				
10	8TH YEAR OPERATION	ha	181.21	3120	565375
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha				
	Add 70% escalation value on item 10(i)				
11	9TH YEAR OPERATION	ha	181.21	3303	598537
	(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	181.21	3487	631879
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha				
	Add 90% escalation value on total of item 12 (i)				

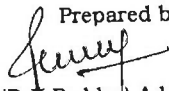
13218


13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 11000/- for Area-I & Rs.12500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	7	1914000	13398000	
	(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.	7	492000	3444000	
	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					
15	a) Constr. Of Modified Improved Basha Type standard size quarter for every 50 ha.	No.	3.00	2439700	7319100	
	b) Maint. Of @ 20% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					
16	a) If CA area is 10 Km away from the nearest forest office/establishment 1(one) constn. Of SPT Beat Office (31.39 sqm) for area over 100 ha.	No.	1.00	1517173	1517173	
	b) Maint. Of @ 10% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					

323

17	Provision for plantation Supervisor for every 150 ha @ Rs.12500/- for Area-I & Rs. 13500/- for Area-II per month for 10 years where CA area is more than 150 ha adding escalation value as item No.13 above adding escalation value by multiplying factor as below.	No.	1.00	2088000	2088000	
	(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					
18	Approach foot track to plantation in area where necessary	Rmt	2500	6.57	16425	
19	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 18 plus Nursery cost to meet the unforeseen expenditure Rs.56582024/-				8487304	
20	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	181.21	8280	1500419	
				Total	66569746	
				or say Rs.66569700		

(Rupees six crore sixty five lakh sixty nine thousand seven hundred) only

Prepared by

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


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

Amearpl-X1 (972)

REVISED ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION

Name of project

Construction of 132 KV SC on DC tower T/L from Tezu to Halaipani

User Agency : Power Deptt.
Location of CA : Kamle RF
Area of CA : 334.33 ha
Wages rate (DL) : 367/-

		Unit	Qty	Rate	Amount
A	Creation of Nursery				
	Cost of seedlings @ 1100 Nos. / ha.	ha	367763	18	6619734
1	1ST YEAR OPERATION				
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	334.33	1468	490796
2	2ND YEAR OPERATION				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	10200	262.51	2677602
	(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.	91941	18.0	1654938
	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	334.33	58537	19570675
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/ha				
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha				
	(iv) Preparation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha				
	(v) Carrying of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I) /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	334.33	19818	6625752
	(i) Tending - 3 weeding @ 12 mandays/ha				
	(ii) Casualty replacement 15%				

(321

	(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	334.33	15744	5263692
	(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	334.33	7193	2404836
	(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	334.33	7707	2576681
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha				
	(ii) Maint. of inspection path @ 1 manday/ha.				
	(iii) Maint. of fireline @ 1 manday/ha.				
	Add 50% escalation value on item 8(i) to 8(iii)				
9	7TH YEAR OPERATION	ha	334.33	2936	981593
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha				
	Add 60% escalation value on total item 9(i)				
10	8TH YEAR OPERATION	ha	334.33	3120	1043110
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha				
	Add 70% escalation value on item 10(i)				
11	9TH YEAR OPERATION	ha	334.33	3303	1104292
	(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	334.33	3487	1165809
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha				
	Add 90% escalation value on total of item 12 (i)				

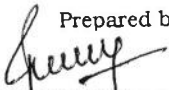
920


13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 11000/- for Area-I & Rs.12500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	13	1914000	24882000	
	(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.	13	492000	6396000	
	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					
15	a) Constn. Of Modified Improved Basha Type standard size quarter for every 50 ha.	No.	6.00	2439700	14638200	
	b) Maint. Of @ 20% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					
16	a) If CA area is 10 Km away from the nearest forest office/establishment 1(one) constn. Of SPT Beat Office (31.39 sqm) for area over 100 ha.	No.	1.00	1517173	1517173	
	b) Maint. Of @ 10% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					

1319

17	Provision for plantation Supervisor for every 150 ha @ Rs.12500/- for Area-I & Rs. 13500/- for Area-II per month for 10 years where CA area is more than 150 ha adding escalation value as item No.13 above adding escalation value by multiplying factor as below.	No.	2.00	2088000	4176000	
	(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					
18	Approach foot track to plantation in area where necessary	Rmt	2500	6.57	16425	
19	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 18 plus Nursery cost to meet the unforeseen expenditure Rs 103805307/-				15570796	
20	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	334.33	8280	2768252	
				Total	122144356	
					or say Rs.122144400	

(Rupees twelve crore twenty one lakh forty four thousand four hundred) only

Prepared by

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


 7.9.23
 (K.B.Singh)
 Nodal Officer (FCA)



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated:

Annexure-M *8/11*

UNDERTAKING IN RESPECT OF PAYMENT OF ADDITIONAL AMOUNT OF NPV

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake to pay the additional amount of NPV of the diverted 257.769 ha forest land for 132 kV Tezu – Halaipani Transmission Line Forest proposal, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee.

Date: - 10/01/2024
Place: - Pasighat

[Signature]
Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer(E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

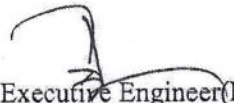
Dated:

Annexure-~~II~~ XIII

UNDERTAKING IN RESPECT OF NON ESTABLISHMENT OF LABOUR CAMP AND
SUFFICIENT FUEL TO LABOURERS

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, no labour camp shall be established on the Forest Land and shall provide fuels preferably alternative fuels to the labours and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

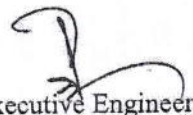
Dated:

Annexure-~~8~~ *XIV*

UNDERTAKING FOR NOT TRANSFERING THE DIVERTED FOREST LAND TO ANY
OTHER AGENCIES, DEPARTMENT OR PERSON

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the forest land proposed for 132 kV Tezu-Halaipani forest proposal to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the Govt. of India.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated


Annexure-P

XV

UNDERTAKING FOR NO DAMAGE TO FLORA AND FAUNA

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, no damage to the flora and fauna of the adjoining areas shall be caused for 132 kV Tezu - Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer(E)
Transmission Division-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated:

Annexure-0

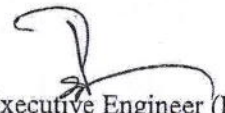
XVI

UNDERTAKING FOR NOT CHANGING THE LAYOUT PLAN OF THE PROPOSAL

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the layout plan of the proposal shall not be changed without the prior approval of the Central Government for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024

Place: - Pasighat


Executive Engineer (E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:


Dated:

Annexure-~~10~~ XVII

UNDERTAKING IN RESPECT OF PROVIDING BIRD DEFLECTORS

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, bird deflectors shall be provided at the cost of Comprehensive Scheme Package and shall be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated:


Annexure-9

XVIII

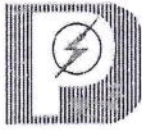
**UNDERTAKING COMPLIANCE OF ALL ACTS, RULES, REGULATIONS,
GUIDELINES, HON'BLE COURT ORDER AND NGT ORDER**

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, all the provision of all acts, rules, regulations, guidelines, Hon'ble Court Order(s) and NGT Order(s) pertaining to this project will be complied, if any for the time being in force as applicable to the project.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

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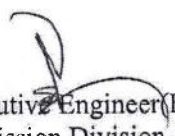
Dated:

Annexure-~~T~~ XIX

**UNDERTAKING FOR COMPLIANCE WITH GUIDELINES FOR LAYING OF
TRANSMISSION LINE THROUGH FOREST AREAS**

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the guidelines for laying transmission through forest areas issued by Ministry vide letter No.7-25/2012-FC, dated 05/05/2014 & 19/11/2014 will be complied.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated:


Annexure-U

XX

**UNDERTAKING IN RESPECT OF CONSTRUCTION OF ADDITIONAL/NEW
PATH**

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, no additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work for 132 kV Tezu-Halaipani Transmission Line Forest proposal.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat



GOVERNMENT OF ARUNACHAL PRADESH
DEPARTMENT OF POWER
OFFICE OF THE EXECUTIVE ENGINEER(E),
TRANSMISSION DIVISION-III, PASIGHAT-791102

Ref:

Dated:


Annexure-V

XXI

UNDERTAKING FOR NOT USING THE DIVERTED FOREST LAND OTHER THAN
SPECIFIED IN THE PROPOSAL

I on behalf of Department of Power, Government of Arunachal Pradesh hereby undertake that, the Forest Land shall not be used for any purpose other than that specified in the project proposal for 132 kV Tezu – Halaipani Transmission Line.

Date: - 10/01/2024
Place: - Pasighat


Executive Engineer(E),
Transmission Division-III
Department of Power, Pasighat

Executive Engineer (E)
Transmission Division No-III
Department of Power
Pasighat