COMPENSATION PLAN FOR TEMPORARY DAMAGES (CPTD)

FOR

T & D NETWORK IN GOLAGHAT, JORHAT, NAGAON, SIBSAGAR AND KARBI ANGLONG DISTRICTS IN ASSAM

Prepared By

Environment and Social Management

POWER GRID CORPORATION OF INDIA LTD.

For

ASSAM ELECTRICITY GRID CORPORATION LIMITED (AEGCL)

&

ASSAM POWER DISTRIBUTION COMPANY LIMITED (APDCL)

ASSAM/CPTD-4/2020 **September '20**

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LIST OF ABBREVIATIONS

AC	:	Autonomous Council
AEGCL	:	Assam Electricity Grid Company Limited
AP	:	Affected Person
APDCL	:	Assam Power Distribution Company Limited
CEA	:	Central Electricity Authority
Ckt-Km	:	Circuit-kilometer
CGWB	:	Central Ground Water Board
CP	:	Compensation Plan
CPTD	:	Compensation Plan for Temporary Damages
CPIU	:	Central Project Implementation Unit
CRM	:	Contractor Review Meeting
DC	:	District Collector
D/c	:	Double Circuit
DL	:	Distribution Line
DM	:	District Magistrate
DMS	:	Distribution Management System
EHV	:	Extra High Voltage
EHS	:	Environment Health & Safety
EMP	:	Environment Management Plan
E&S	:	Environmental & Social
ESPP	:	POWERGRID's Environmental and Social Policy & Procedures
ESPPF	:	AEGCL & APDCL's Environmental and Social Policy & Procedures Framework
GoI	:	Government of India
GRC	:	Grievance Redress Committee
GRM	:	Grievance Redress Mechanism
Ha	:	Hectare
HPC	:	High Powered Committee
IA	:	Implementing Agency
INRs	:	Indian National Rupees
IP	:	Indigenous People
IR	:	Involuntary Resettlement
JCC	:	Joint Coordination Committee
kV	:	Kilo volt
Km	:	Kilometer
LA	:	Land Acquisition
MCM	:	Million Cubic Meter
MoP	:	Ministry of Power
M&E	:	Monitoring and Evaluation
NoC	:	No Objection Certificate
NER	:	North Eastern Region
NERPSIP	:	North Eastern Region Power System Improvement Project
O&M	:	Operation and Maintenance
OP	:	Operational Policy
PAP	:	Project Affected Person
POWERGRID	:	Power Grid Corporation of India Limited
PPIU	:	PMC Project Implementation Unit
RFCTLARRA	:	The Right to Fair Compensation and Transparency in Land, Acquisition, Rehabilitation and Resettlement Act, 2013
RoW	:	Right of Way

RP	:	Resettlement Plan
R&R	:	Resettlement and Rehabilitation
S/c	:	Single Circuit
SC	:	Scheduled Caste
Sq.m.	:	Square Meters
SMF	:	Social Management Framework
SPCU	:	State Project Coordination Unit
ST	:	Scheduled Tribe
T & D	:	Transmission & Distribution
TL	:	Transmission Line
USD	:	United States Dollar
WB	:	The Word Bank

GLOSSARY

Regional Council/Autonomous District Council/ Village Council	:	An autonomous body/institution formed under the provisions of 6th Schedule of Constitution of India which provides tribal people freedom to exercise legislative, judicial, executive and financial powers.
Village Headman	:	Elected head of the Village Council
Zila/District	:	It is the first administrative division at the State level.
Sub-division	:	A revenue sub-division, within a district
Block	:	An administrative sub-division within a district
Panchayat		The third tier of decentralized governance

EXECUTIVE SUMMARY

i. The Compensation Plan for Temporary Damages (CPTD) has been prepared for Transmission & Distribution (T & D) network in Golaghat, Jorhat, Nagaon, Sibsagar & Karbi-Anglong districts of Assam State under the North Eastern Region Power System Improvement Project (NERPSIP) which is being funded by Govt. of India (GoI) and the World Bank (WB). The Implementing Agency (IA) is Power Grid Corporation of India Limited (POWERGRID). The present CPTD is based on the Environmental and Social Policy & Procedures Framework (ESPPF) of Assam Electricity Grid Corporation Limited (AEGCL)/ Assam Power Distribution Company Limited (APDCL).

ii. The project components include construction of 1.202 km of 132 kV LILO and 115.85 km of 33 kV line along with associated new/extension of transmission & distribution substations in Golaghat, Jorhat, Nagaon, Sibsagar & Karbi-Anglong district of Assam. The present CPTD has been prepared based on the detailed survey/ investigation. However, the temporary impacts on land and loss of crops/trees occurred only during the project implementation/construction. Therefore, the CPTD remains as draft, as actual temporary impacts on crop/tree including details of Affected Persons (AP) shall be ascertained during check survey and tower spotting once the construction contractor is mobilized for implementation. AEGCL & APDCL/ POWERGRID[1]provide compensation for actual damages after assessment by revenue authority. Check survey is done progressively during the construction of the transmission/distribution line. Normally the work is done in off season when there is no standing crop. The compensation for damage is assessed in actual after construction activities of transmission/distribution lines in three stages i.e. after completion of foundation, tower erection and stringing of conductor. The payment of compensation may also be paid in three instances, if there are different damages during all the above three activities. Assessment of damages at each stage and payment of compensation is a simultaneous and continuous activity. Hence, CPTD updation will be a continuous process during construction of line for which updated semi-annual CPTD monitoring report shall be submitted by AEGCL & APDCL/POWERGRID.

iii. The project components under the scope of present CPTD include following transmission/distribution lines and associated substations;

[1]*For the purpose of CPTD, AEGCL/APDCL and POWERGRID may be referred as SPCU and PPIU respectively. For further details, please refer chapter-vii on institutional arrangements.*

A. Transmission System Components:

1. LILO of Golaghat – Bokajan 132 kV S/C line at Sarupathar– **0.270 km**.
2. LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C Teok – **0.932 km**.
3. Establishment of 132/33 kV new substation at **Sarupathar, Teok** and Strengthening of 220/132 kV existing substation at **Samaguri** and 132/33 kV existing substation at **Samaguri.**

B. Distribution System Components:

1. Shankardeo Nagar (Existing) to Mailu (New) substation 33kV line – **20.543 km**.
2. Samaguri (Existing) to Hatimurah-II (New) substation 33kV line – **19.19 km**.
3. Teok (New) to Teok (Existing) substation 33kV line – **5.35 km**.
4. Teok (New) to Kakojaan (Existing) substation 33kV line – **15.187 km**.
5. Teok (New) to Zangi (Existing) substation 33 kV line – **6.281 km**.
6. Teok (New) to Amguri (Existing) substation 33 kV line – **8.2 km**.
7. Sarupathar (New) to Barpathar (Existing) substation 33 kV line- **11.771 km**.
8. Sarupathar (New) to Sariahjan (Existing) substation 33 kV line – **23.449 km**
9. Sarupathar (New) to Sarupathar (Existing) substation 33 kV line – **5.885 km**
10. Establishment of 33/11 kV new substation at **Mailu and Hatimurah-II** and Strengthening of 33/11 kV existing substation at **Teok, Kakojan, Zanji, Pragati, Barpthar and Sariahjan**.

iv. As per existing law, land for tower/pole and right of way is not acquired[2] and agricultural activities are allowed to continue after construction activity. Land requirements for erecting tower/ poles for transmission/ distribution lines are just minimal. All it requires is to place the foot, four of which warrants an area of 4-6 sq- ft. Thus, the actual impact is restricted to 4 legs of the tower. Further, line alignments are done in such a way so as to avoid settlements and / or structures and hence no relocation of population on account of Transmission Line (TL) / Distribution Line (DL) is envisaged. Most of the impacts are temporary in nature in terms of loss of standing crops/trees and other damages for which compensation will be paid to the affected persons/ community for all damages including cost of land for tower base and RoW corridor to its owner without acquiring it as per the laws and provisions laid in ESPPF accompanied by MoP guidelines, as Assam has already adopted MoP guidelines for land compensation vide notification dated 10.03.2017.

v. For the temporary loss of crops, only agricultural land and private plantation land are considered for estimation. Though Right of Way (RoW) for 220 kV, 132 kV & 33 kV line are 35 meter, 27 meter & 15 meter respectively but average affected width/corridor would be limited to

[2] *As per the present provision in the Electricity Act, 2003 read with relevant provisions of Indian Telegraph Act, 1885 all the damages without acquisition of subject land) accrued to person while placing the tower and line are to be compensated.*

maximum 27 meter for 220 kV, 20 meter for 132 kV & 10 meter for 33 kV line. Accordingly, actual impacted area for crops and other damages worked out to be approx. 235.6 acres. Total number of trees likely to be affected during construction of lines is 2590 plus 172 nos. only branch trimming. Private trees will be compensated as per the entitlement matrix.

v. Public participation and community consultations have been taken up as an integral part of the project's social and environmental assessment process. Public is informed about the project at every stage of execution. During survey also AEGCL/APDCL & POWERGRID's site officials meet people and inform them about the routing of transmission line. During the construction, every individual, on whose land tower is erected and people affected by RoW, are consulted. There were many informal group and public consultation meetings conducted during survey of the entire routes of transmission/distribution lines and substation site. The process of such consultation is to be continued during project implementation and even during Operation & Maintenance (O&M) stage. The draft/summary CPTD will be disclosed to the affected households and other stakeholders by placing it on website. AEGCL/APDCL & POWERGRID's site/field officials visit construction sites frequently during construction and meet with APs and discuss about norms and practices of damages and compensation to be paid for them. The executive summary of the CPTD and Entitlement Matrix in local language will be placed at construction offices/sites.

vi. Grievance Redress Mechanism (GRM) is an integral part of project implementation, operation and maintenance stage of the project. For handling grievance, Grievance Redress Committee (GRC) has been established at two places, one at the project/scheme level and another at corporate/head quarter level. The GRCs include members from AEGCL/APDCL, POWERGRID, Local Administration, Village Panchayat Members, Affected Persons representative and reputed persons from the society and representative from the autonomous districts council in case of tribal districts selected/decided on nomination basis under the chairmanship of project head. The composition of GRC disclosed in Panchayat/village council office and concerned district headquarter for wider coverage. In case of any complaint, GRC meeting shall be convened within 15 days. If project level GRC is not able to take decision it may refer the complaint to corporate GRC for solution. GRC endeavors to pronounce its decision within 30-45 days of receiving grievances. In case complainant/appellant is not satisfied with the decision of project level GRC they can make an appeal to corporate GRC for review. The proposed mechanism does not impede access to the country's judicial or administrative remedies at any stage. Further, grievance redressal is also inbuilt in the tree/crop compensation process where affected persons are given a chance to place their grievances after issuance of notice by revenue officials on the basis of assessment of actual damages. Grievances received towards compensation are generally

addressed in open forum and in the presence of many witnesses. Process of spot verification and random checking by the district collector also provides forum for raising the grievance towards any irregularity/complaint.

vii. The CPTD is based on AEGCL & APDCL's ESPPF. Being a transmission project, the relevant national laws applicable for this project are (i) The Electricity Act, 2003 and (ii) The Indian Telegraph Act, 1885 and (iii) Govt. of Assam notification on RoW Compensation dated 10th March 2017. The compensation principles adopted for the project shall comply with applicable laws and regulations of the Governments of India, AEGCL & APDCL's ESPPF as well as World Bank Safeguard Policies.

viii. APs will be entitled for compensation for temporary damages to crops/trees/structures etc. as per the Entitlement Matrix given in **E-1**. Temporary damage will occur during construction of transmission/distribution lines for which compensation is paid as per relevant norms. All APs are paid compensation for actual damages irrespective of their religion, caste and their economic status. There is one time lump sum assistance to vulnerable households on recommendation of State Authority. As an additional assistance, construction contractors are encouraged to hire local labour that has the necessary skills. AEGCL & APDCL/IA will provide compensation to all APs including non-title holders as already mentioned in the Entitlement Matrix.

E-1: Entitlement Matrix

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
1.	Land area below tower base***(#)***	Owner	100% land cost at market value as ascertained by revenue authorities or based on negotiated settlement without actual acquisition/title transfer.
2	Land coming in corridor of width of Right of Way **(#)**	Owner	15% of land cost as decided by Deputy Commissioner
3.	Loss/damage to crops and trees in line corridor	Owner/ Tenant/ sharecropper/ leaseholder	Compensation to actual cultivator at market rate for crops and 8 years income for fruit bearing trees*. APs will be given advance notice to harvest their crops. All timber* will be allowed to retain by the owner.
4.	Other damages (if applicable)	All APs	Actual cost as assessed by the concerned authority.
5.	Loss of structure		
(i)	House	Titleholders	Cash compensation at replacement cost (without deduction for salvaged material and depreciation value) plus Rs. 25,000/- assistance (based on prevailing GOI norms for weaker section housing)

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
			for construction of house plus transition benefits as per category-5 below.
(ii)	Shop/ Institutions/ Cattle shed	Individual/ Titleholders	Cash compensation plus Rs. 10000/- for construction of working shed/shop plus transition benefits as per category-5 below
(iii)	Losses during transition under (i) & (ii) above for Shifting / Transport	Family/unit	Provision of transport or equivalent cash for shifting of material/ cattle from existing place to alternate place
(iv)	Tribal/ Vulnerable APs	Vulnerable APs3	One time additional lump sum assistance not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC.

(#) Since Govt. of Assam has adopted MoP guidelines vide notification dated 10.03.17, compensation toward land compensation in respect to RoW shall be paid as per norms.

* ***Assistance/help of Forest department for timber yielding trees and Horticulture department for fruit bearing trees shall be taken for assessing the true value.***

ix. Due to inherent flexibility in routing of line, no major damages to structures or physical displacement is envisaged in transmission/distribution line. Hence, there are no adverse impacts such as permanent loss of assets, livelihood loss or physical resettlement/relocation due to project intervention. However, in case it is completely unavoidable, compensation for structures as decided by committee based on government norms and entitlement matrix shall be provided. A notice for damage is issued to APs and the joint measurement by AEGCL & APDCL/ POWERGRID and APs is to be done and verified by revenue official for actual damages. Hence, compensation is paid parallely with the construction activity of transmission/distribution line. The cost estimate for the project includes eligible compensation for loss of crops, trees, and support cost for implementation of CPTD, monitoring, other administrative cost etc. This is a tentative budget which may change during the original course of implementation. The total indicative cost is estimated to be INR 93.748 Lakhs equivalent to USD 0.128 million.

x. The implementation and monitoring are critical activities which shall be followed as per Implementation Chart/Schedule provided in Chapter-X. POWERGRID will be the Implementing Agency (IA) for the Project. For the day to day implementation of Project activities, PMC Project Implementation Units (PPIUs) located in each participating State, has been formed including members of Utility on deputation, with its personnel being distributed over work site & working in close association with the State Project Coordination Unit (SPCU) / Central Project Implementation Unit (CPIU). PPIU report to State level “Project Manager” nominated by the Project-in-Charge of IA. The IA will have a Core team stationed at the CPIU on permanent basis and other IA officers (with

[3]Vulnerable APs include scheduled tribes residing in scheduled areas/ physically handicapped/ disabled families etc.

required skills) will visit as and when required by this core team. This team shall represent IA and shall be responsible for all coordination with SPCU, PIU, within IA and MoP, GoI. CPIU shall also assist MoP, GoI in monitoring project progress and in its coordination with The Bank.

xi. Public consultation and internal monitoring will be continued in an intermittent basis for the entire duration of project. Monitoring will be the responsibility of both AEGCL/APDCL &IA. AEGCL & APDCL/ POWERGRID will submit semi-annual monitoring reports on their implementation performance and submit the reports to The World Bank. If required,

I. INTRODUCTION AND PROJECT DESCRIPTION

1.1. Project Background

1. Recognizing that intrastate T&D systems in the North Eastern States (NER) states have remained very weak and that there is a critical need to improve the performance of these networks, the Central Electricity Authority (CEA) developed a comprehensive scheme for the NER in consultation with POWERGRID and the concerned state governments. This scheme is intended to (a) augment the existing T&D infrastructure to improve the reliability of service delivery across all the NER states and (b) build institutional capacity of the power utilities and departments in the NER. This scheme is part of the GoI's wider efforts to develop energy resources in the NER for electricity supply within the region, to strengthen transmission networks, expand and strengthen sub-transmission systems, and extend last mile electricity connectivity to household.

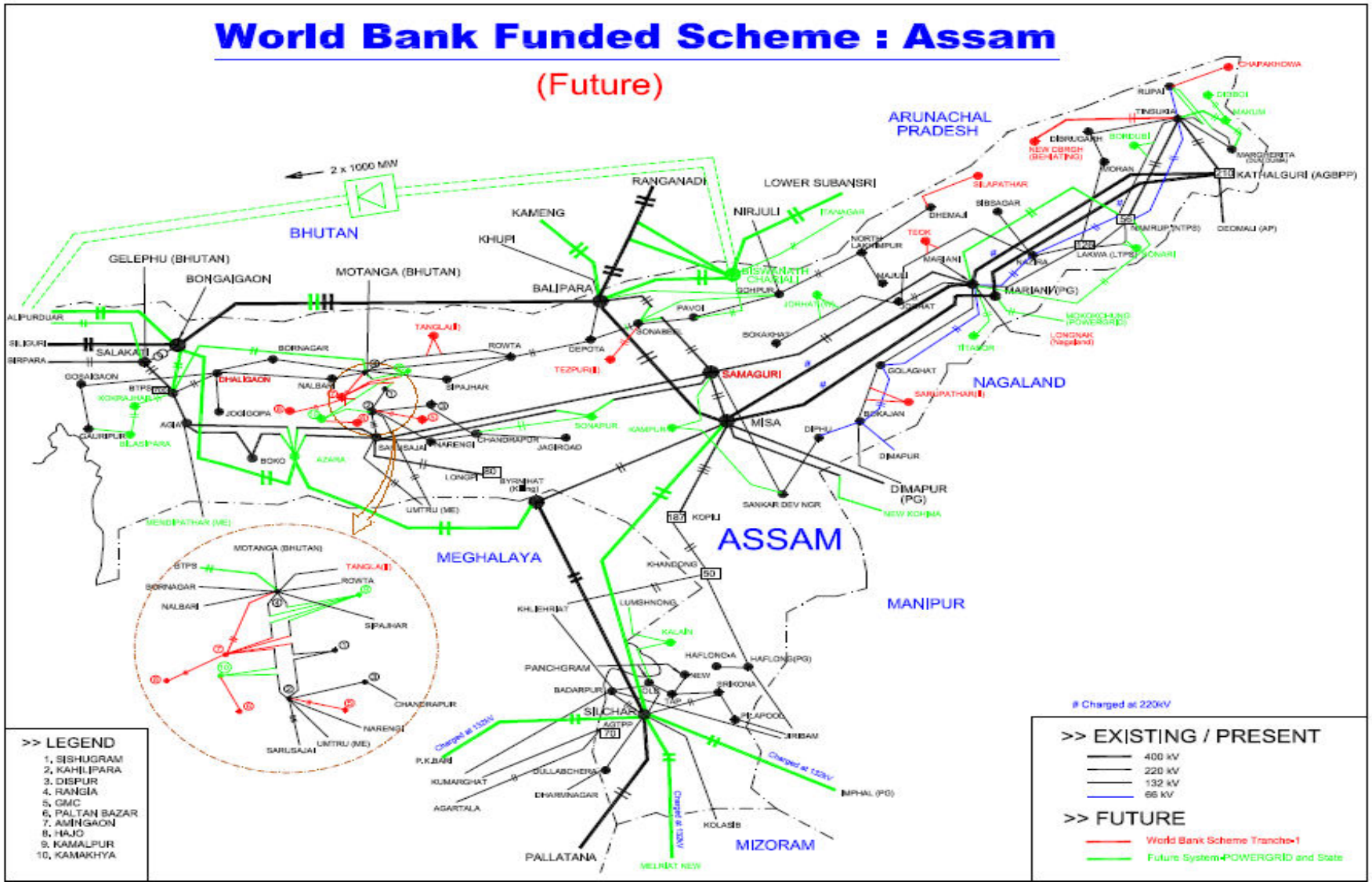
2. GoI requested for World Bank's support in implementing a set of priority investments in six NER states. In 2016, the World Bank (WB) has approved a loan (IBRD 470 USD Million) to the Government of India (GoI) for North Eastern Region Power System Improvement Project (NERPSIP) which aims to create a robust intrastate transmission and distribution network in all the six (6) North Eastern States including Assam. The project being funded on 50:50 (World Bank loan: GoI) basis except the component of capacity building for Rs. 89.00 crore, which GoI will bear entirely. The scheme is to be taken up under a new Central Sector Plan Scheme of MoP.

3. Ministry of Power, GoI has appointed POWERGRID as Implementing Agency (IA) to six North Eastern States for the said project. However, the ownership of the assets shall be with the respective State Utilities/State Government which upon progressive commissioning shall be handed over to them for taking care of Operation and Maintenance of assets.

4. The project will be implemented over a seven-year period and has two components, namely Component A: Priority Investments for Strengthening Intrastate Transmission, Sub-transmission, and Distribution Systems, and Component B: Technical Assistance for Capacity Building and Institutional Strengthening (CBIS) of Power Utilities and Departments of Participating States.

5. The scope of work under NERPSIP in state of Assam include construction of 376 km of 220/132 kV transmission lines & associated 11 nos. new substations and 479 ckm of 33 kV distribution lines & 16 nos. substation along with augmentation & strengthening of transmission and sub-transmission spread across the State. The power map of Assam indicating the existing intra-state transmission network along with proposed project under Tranche-1 of NERPSIP is presented in **Figure 1.1.**

Figure 1.1: Power Map of Assam along with proposed project



1.2. Project Components

6. The project components under the scope of present CPTD include following transmission/ distribution lines and associated Transmission & Distribution substations proposed in Golaghat, Jorhat, Nagaon, Sibsagar and Karbi Anglong district of Assam State;

A. Transmission System:

1. LILO of Golaghat – Bokajan 132 kV S/C line at Sarupathar– **0.270 km**.
2. LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C Teok – **0.932 km**.
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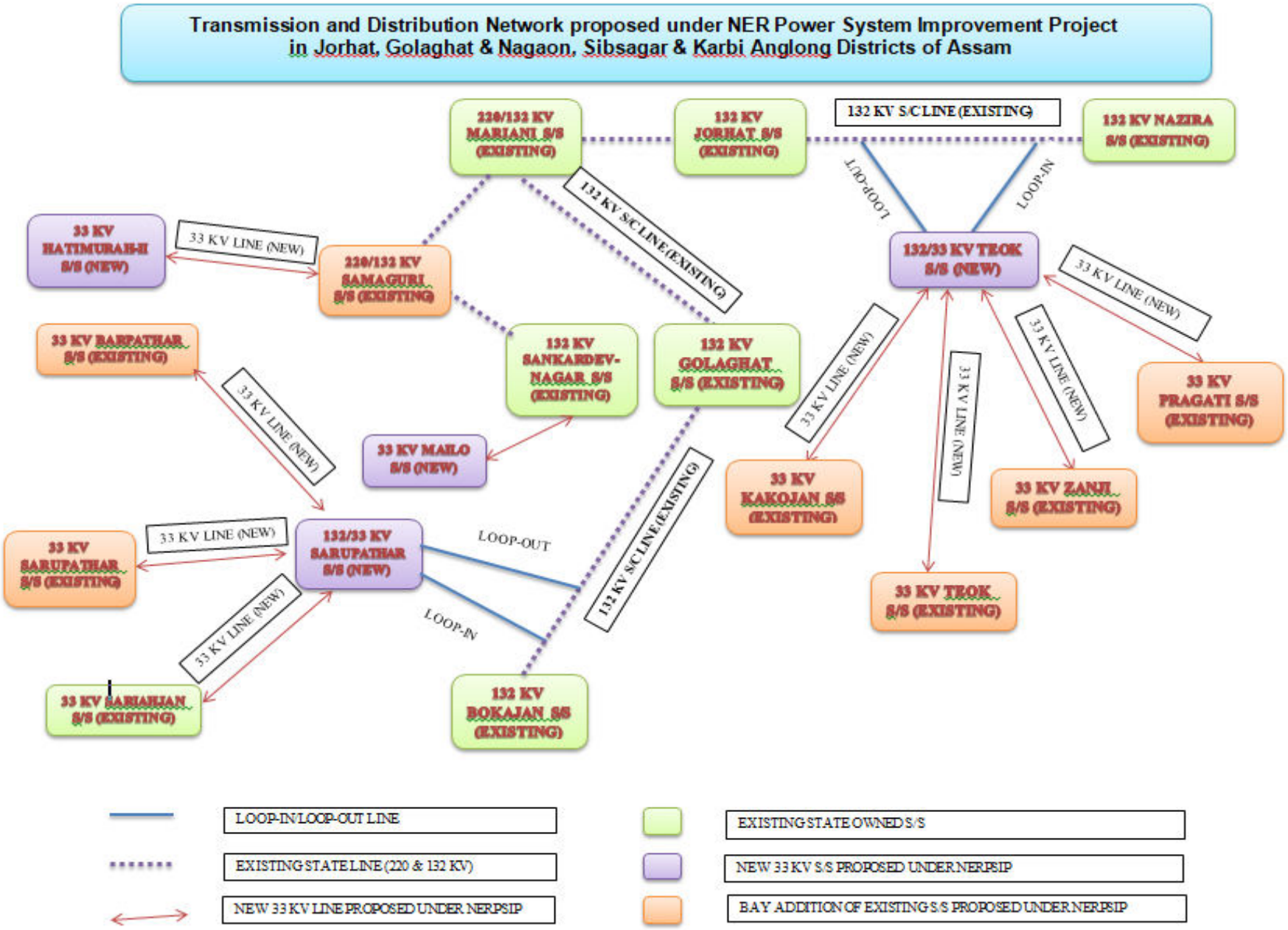
7. The schematic diagram of proposed transmission and distribution network in Golaghat, Jorhat, Nagaon, Sibsagar and Karbi Anglong District is shown below:


Transmission and Distribution Network proposed under NER Power System Improvement Project in Jorhat, Golaghat & Nagaon, Sibsagar & Karbi Anglong Districts of Assam
220/132 KV MARIANI S/S (EXISTING)
132 KV JORHAT S/S (EXISTING)
132 KV S/C LINE (EXISTING)
132 KV NAZIRA S/S (EXISTING)
33 KV HATIMURAH-II S/S (NEW)
33 KV LINE (NEW)
220/132 KV SAMAGURI S/S (EXISTING)
132 KV S/C LINE (EXISTING)
LOOP-OUT
LOOP-IN
132/33 KV TEOK S/S (NEW)
33 KV LINE (NEW)
33 KV BARPATHAR S/S (EXISTING)
132 KV SANKARDEV-NAGAR S/S (EXISTING)
132 KV GOLAGHAT S/S (EXISTING)
33 KV LINE (NEW)
33 KV LINE (NEW)
33 KV LINE (NEW)
33 KV PRAGATI S/S (EXISTING)
33 KV MAILO S/S (NEW)
33 KV KAKOJAN S/S (EXISTING)
33 KV ZANJI S/S (EXISTING)
33 KV LINE (NEW)
33 KV SARUPATHAR S/S (EXISTING)
33 KV LINE (NEW)
132/33 KV SARUPATHAR S/S (NEW)
LOOP-OUT
132 KV S/C LINE (EXISTING)
33 KV TEOK S/S (EXISTING)
33 KV LINE (NEW)
LOOP-IN
33 KV SARIAHJAN S/S (EXISTING)
132 KV BOKAJAN S/S (EXISTING)
LOOP-IN/LOOP-OUT LINE
EXISTING STATE LINE (220 & 132 KV)
NEW 33 KV LINE PROPOSED UNDER NERPSIP
EXISTING STATE OWNED S/S
NEW 33 KV S/S PROPOSED UNDER NERPSIP
BAY ADDITION OF EXISTING S/S PROPOSED UNDER NERPSIP

1.3. Objective of Compensation Plan for Temporary Damages (CPTD)

8. The primary objective of the CPTD is to identify impacts/damages and to plan measures to mitigate losses likely to be caused by the projects. The CPTD is based on the general findings of field visits, preliminary assessments and meetings with various project-affected persons in the project areas. The CPTD presents (i) introduction and project description (ii) socio-economic information and profile (iii) legal & regulatory framework (iv) project impacts,(v) entitlement, assistance and benefit (vi) information disclosure, consultation and participation (vii) institutional arrangements (viii) grievance redress mechanism (ix) budget (x) implementation schedule & (xi) monitoring and reporting.

1.4. Scope and Limitation of the CPTD

9. Based on the assessment of proposed project components and intervention, it has been established that there will be no permanent land acquisition required and the anticipated project impacts are temporary in nature in terms of impacts on land and loss of standing crops/trees only. The present CPTD has been prepared based on the detailed survey/ investigation. However, the temporary impacts on land and loss of crops/trees occurred only during the project implementation/construction. Therefore, the CPTD remains as draft, as actual temporary impacts on crop/tree including details of Affected Persons (AP) shall be ascertained during check survey and tower spotting once the construction contractor is mobilized for implementation. AEGCL/ APDCL/ POWERGRID[4]provide compensation for actual damages after assessment by revenue authority. Check survey is done progressively during the construction of the transmission/distribution line. Normally the work is done in off season when there is no standing crop. The compensation for damage is assessed in actual after construction activities of transmission/distribution lines in three stages i.e. after completion of foundation, tower erection and stringing of conductor. The payment of compensation shall be paid in three instances, if there are different damages during above all the three activities. Assessment of damages at each stage and payment of compensation is a simultaneous and continuous activity. Hence, CPTD updation will be a continuous process during construction of line for which updated semi-annual CPTD monitoring report shall be submitted by AEGCL & APDCL/POWERGRID.

[4]*For the purpose of CPTD, AEGCL/APDCL and POWERGRID may be referred as SPCU and PPIU respectively. For further details, please refer Chapter -VII - Institutional arrangements.*

1.5. Measures to Minimize Impact

10. In keeping with provisions of ESPPF and Bank's Safeguard Policies, State Utilities/ POWERGRID has selected and finalised the routes of transmission line with due consideration of the avoidance or minimization of impacts toward temporary damages on crops/ trees/ structures, if any coming in the Right of Way (RoW) during construction. Similarly, the route of all the 33 KV distribution lines are mostly selected /finalized along the existing roads (PWD roads/Village roads etc.) involving minimum habituated areas and also through agricultural and barren lands wherever possible. Further field visits and public consultations helped in developing the measures towards minimizing negative social impacts, if any.

11. For transmission/distribution line there is no permanent land acquisition involved as per applicable legal framework i.e. in exercise of the powers under Indian Telegraph Act-1885, Part 3, section 10 to 16 conferred under section 164 of the Electricity Act, 2003 through Power(Electricity) Department, Govt. of Assam vide notification dated 16th March, 2016, AEGCL/APDCL has the mandate to place and maintain transmission lines under/ over/ along or across and posts in or upon, any immoveable property. However, clause 10 (d) of same act stipulates that the user agency shall pay full compensation to all interested for any damages sustained during the execution of said work. Therefore, State Utilities/ POWERGRID have developed a procedure which is designed to minimize impacts, during the preliminary survey/ investigation (for screening & scoping of the project with at least 3 alternative route alignments), thereafter during detailed survey (spot)/design followed by foundation work, tower erection and during the stringing of conductors.

12. All tower foundations and tower footings are dug and laid, including transportation of material and land clearance, generally at the end of a crop season to avoid impacts on cultivations and need for compensation. After construction of transmission towers, farmers are allowed to continue agricultural activity below tower.

13. Because the concrete needs time to dry and settle, all towers are erected normally three weeks after casting of foundation. Thus, both foundation and erection works are generally completed in one gap between two crop seasons.

14. Given the limited time needed for the stringing, the latter can be done right after the tower construction, before the following crop season.

15. For this reason no household is significantly affected due to the project. Thus, productive loss due to construction is negligible. However, due care shall be taken to avoid damages to crop/trees by taking up the construction activities during lean period or post-harvest season. As per the prevailing norms farming activity shall be allowed after the construction work is completed. All affected farmers will be compensated for all sorts of damages during construction as per the laid down procedure.

1.6. Route Selection and Study of Alternatives

16. For selection of optimum route, the following points are taken into consideration:

(i) The route of the proposed transmission/distribution lines does not involve any human displacement/rehabilitation.
(ii) Any monument of cultural or historical importance is not affected by the route of the transmission/distribution line.
(iii) The proposed line route does not create any threat to the survival of any community with special reference to Tribal Community.
(iv) The proposed line route does not affect any public utility services like playgrounds, schools, other establishments etc.
(v) The line route does not pass through any National Parks, Sanctuaries etc.
(vi) The line route does not infringe with area of natural resources.

17. In order to achieve this, AEGCL & APDCL/POWERGRID undertakes route selection for individual line in close consultation with representatives of concerned Forest Department and the Department of Revenue. Although under the law, State Utilities have the right of eminent domain yet alternative alignments are considered, keeping in mind, the above-mentioned factors during site selection, with minor alterations often added to avoid environmentally sensitive areas and settlements at execution stage.

a. As a rule, alignments are generally cited away from major towns, whenever possible, to account for future urban expansion.
b. Similarly, forests are avoided to the extent possible, and when it is not possible, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
c. Alignments are selected to avoid wetlands and unstable areas for both financial and environmental reasons.

18. In addition, care is also taken to avoid National Parks and Wildlife Sanctuaries and any other forest area rich in wildlife. Keeping above in mind the route of proposed lines have been so aligned that it takes care of above factors. As such different alternatives were studied with the help of Govt. published data like Forest atlas, Survey of India topo maps, satellite imageries etc. to arrive at most optimum sections of the route which can be taken up for detailed survey and assessment of environmental & social impacts for their proper management.

19. The comparative details of three alternatives in respect of proposed lines are presented in **Annexure-1**.

II. SOCIOECONOMIC INFORMATION AND PROFILE

2.1. General

20. The socio-economic profile of the project area is based on general information collected from various secondary sources. As the assets of any sorts will not be acquired but for temporary damage to crops/trees or any other structures adequate compensation as per norms shall be paid to all APs. This chapter provides broad socio-economic profile in terms of demography, literacy, employment and other infrastructure etc. in the State of Assam and Golaghat, Jorhat, Nagoan, Sibsagar and Karbi-Anglong district in particular through which the various lines will traverse. Following section briefly discuss socio-economic profile.

2.2. Socio-Economic Profile

2.2.1. Land Use Pattern Assam

21. Assam has a geographic area of 7.84 million ha, which constitutes 2.39% of the country's total area. It is situated between latitude 24°07' to 28°00' N and longitude 89° 42' to 96° 02'E. Topographically, the State can be divided into three parts, viz. the Brahmaputra valley, the Surma valley and the Assam range. The first two parts are plain areas, while the Assam range is a mountainous region. The general land use pattern of the State is given in **Table 2.1**.

Table-2.1: Land Use Pattern of Assam

Land Use	Area in '000 ha	Percentage
Total geographical area	7,844	
Reporting area for land utilization	7,850	100.00
Forests	1,853	23.60
Not available for cultivation	2,620	33.37
Permanent pastures and other grazing lands	160	2.04
Land under misc. tree crops & groves	196	2.49
Culturable wasteland	78	0.99
Fallow lands other than current fallows	52	0.66
Current Fallows	81	1.03
Net area sown	2,811	35.80

Source: Land use statistics, Ministry of Agriculture, GOI, 2011-12

2.2.2 Golaghat, Jorhat, Nagaon, Sibsagar and Karbi Anglong District

22. The Golaghat district occupies an area of 3502 sq. km. The district extends from 25°50' N

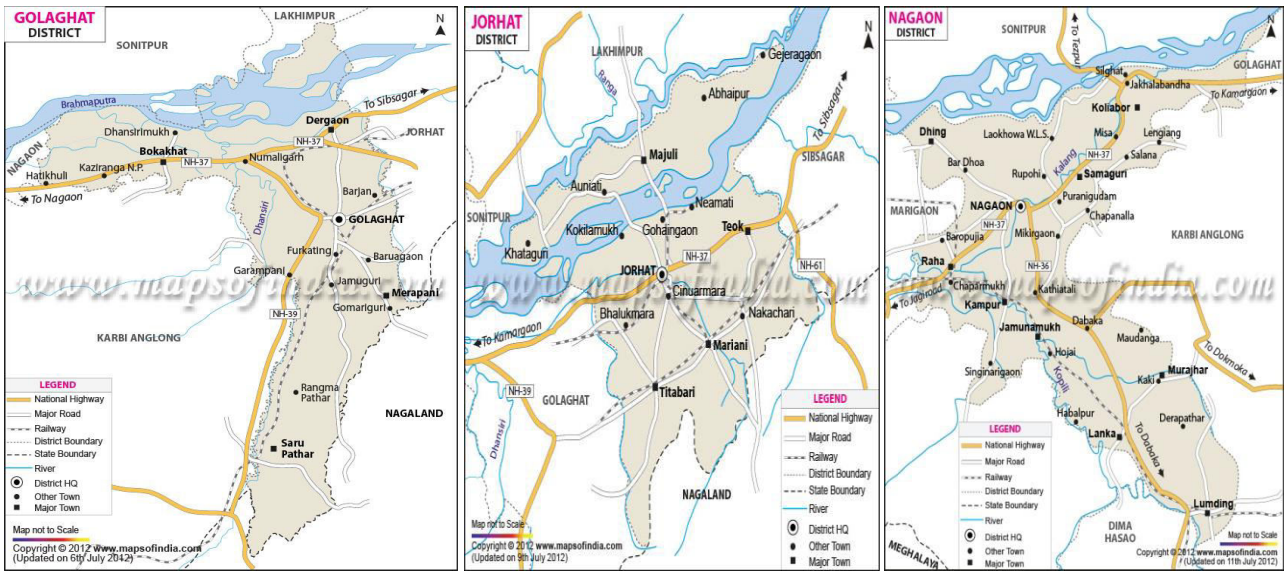
to 26° 47' N and 93°16’ E to 94°10'E. It is located in the upper region of Assam and is bounded by river Brahmaputra to the north, the state of Nagaland to the south, by Jorhat District to the east and by Karbi Anglong and Nagaon District to the north.

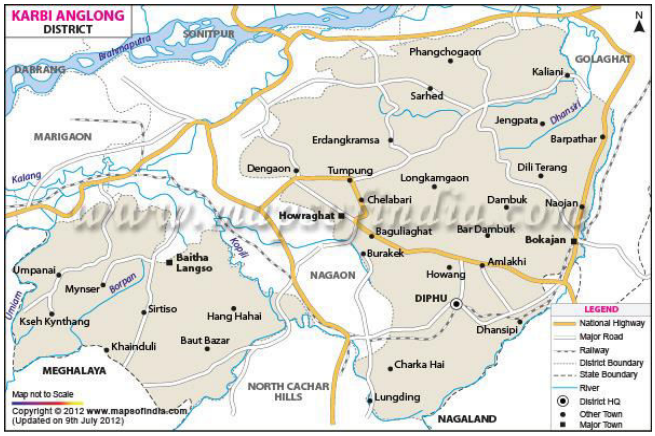
23. Jorhat district occupies an area of 2852 sq. km. The district extends from 27°15' N to 26° 30' N and 93°45'E to 94°30’E. It is located in the central part of the Brahamputra valley and bounded by Lakhimpur District on the North, Nagaland state on the South, Charaideo district district on the East and Golaghat district on the West. On the North of the district, the river Brahmaputra forms the second largest riverine island of the world, Majuli.

24. Nagaon District occupies an area of 3993 sq.km. The district extends from 25°45' N to 26° 45' N and 91°50' E to 93°20’ E. It is located in the central part of the Assam state, bounded by Sonitpur District and River Brahmaputra on the north, Karbi Anglong and North Cacher Hills district on the south, East Karbi Anglong and Golaghat to the east and Morigaon to the west.

25. Sibsagar District occupies an area of 2668 sq.km. The district extends from 21°45' N to 27° 15' N and 94°25' E to 95°25’ E. This historical city of Assam is bounded to the north by River Brahmaputra, to the east by Dibrugarh and Charaideo district, to the south by Nagaland state of India and to the west by Jorhat district.

26. Karbi Anglong district occupies an area of 10,434 sq. km. The district extends from 25°33' N to 26°35' N and 92°10' E to 93°50’ E. The district is bounded by Golaghat district on the east, Meghalaya state and Morigaon district on the west, Nagaon and Golaghat districts on the north and Dima Hasao district and Nagaland state on the south.





2.2.2.1 Climate

27. Assam has four well defined seasons in a year viz. summer, monsoon, winter and spring. Climate of Assam is sub-tropical. October to April offer a mild and moderate climate. Assam is never extremely cold or hot. Rainfall, one of the highest in the world (between 178 and 305 cm), is concentrated in 4 months, June to September. The State experiences floods and droughts. Annual rainfall varying from 1,500 mm to 3,750 mm. The average temperature in January ranges from 10°C to 23° C and in July it ranges from 26° C to 32° C.

28. The climate of the present sub-project areas districts is more or less similar with the climate of the State. The climate of Golaghat is tropical with a hot and humid weather prevailing most of the summer and monsoon months. Maximum precipitation occurs in the month of June and July. The annual average temperature and rainfall of the district is 23.1 °C and 1300 mm respectively. Jorhat district experiences a warm and temperate climate with an average annual rainfall of 2029 mm. The climate is tropical in Nagaon. The average annual temperature is 26.5 °C and rainfall is around 2401 mm. The climate in Sibsagar is mild, and generally warm and temperate. The average annual temperature and rainfall is 23.7 °C and 2432 mm respectively. Due to variation in the topography of Karbi Anglong district, it experiences different climate in different parts. The average maximum & minimum temperature of the Karbi Anglong district are 30°C & 18°C respectively. The average rainfall is 1,200 mm approximately.

2.2.2.2 Water Resources:

29. Brahmaputra Basin comprises of sub-basin of Subansiri, JiaBharali, Badeng-Pubnoi, Dhansiri, Anas, Champamati, Dholai, Buridihing, Disang, Kopili, Kalang and Meghna Basin comprises of sub - Basin of Barak River. Assam is dominated by the Brahmaputra river (length:

2900 km). Its drainage area is roughly 935,500 sq. km.

30. The major rivers flowing through sub-projects area districts are Brahmaputra, Disang, Janji, Dikhow, Darika, Dhansiri, Kakodonga, Bhogdoi and Longnit River. However, none of the lines in the instant scheme has any river crossing in its route.

2.2.2.2 Soil

31. Mainly three types of soil found in Assam State viz. Alluvial, Red Loam, and Lateritic Soil. Alluvial Soil covers entire Darrang, Kamrup, Lakhinpur, Goalpara, Sibsagar and part of Garo Hills. Red Loam Soil is found in Garo Hills, Mizo Hills, Khasi-Jaintia Hills and part of Cachar & Sibsagar district. Lateritic Soil found in part of Sibsagar, Jaintia Hills, Khasi Hills, Cachar, Nagaon area. The most typical characteristics of Assam soil is acidity, where pH of the soils generally ranges between 4.2 to 5.8. The soil found in the subproject area is mostly alluvial type.

2.2.2.4 Ecological Resources

32. The protected area found in the subproject districts are Kaziranga National Park, Hollongapar Gibbon Sanctuary, Garampani Wildlife Sanctuary, Nambor Wildlife Sanctuary, East Karbi Anglong Wildlife Sanctuary, Laokhowa Wildlife Sanctuary and Pani-Dehing Wildlife Sanctuary. However, the proposed transmission and distribution network doesn't pass through any protected area like national parks, sanctuaries, elephant reserves/corridors and biosphere reserves etc. In the instant scheme all such areas are completely avoided through careful route selection. It is also observed that there is no ecologically sensitive area within a radius of 10 Km from the transmission and distribution lines proposed under this scheme.

2.2.2.5 Crops

33. Agriculture plays the chief role of revenue earning in Assam economy. The State of Assam experiences plenty of rainfall and possesses a fertile land which is extremely advantageous for cropping. This has led to the flourishing growth in food crops and staples in Assam agriculture. Rice is the main food crop in Assam agriculture as it is the main diet in the state too. Those who are engaged in the agricultural department of Assam fully concentrates on cultivating rice as it falls under their main priority. Other food crops cultivated in Assam agriculture include jute, sugarcane, fruits, tea, pulses, coconut, potatoes, cotton, and arecanuts. More than 50 percent of the total population of the state are involved in agricultural activities of Assam.

2.2.2.6 Human and Economic Development

34. Assam is a state rich in natural resources like natural oil, natural gas, coal, rubber, tea and some minerals like granite, limestone and kaolin. The present state is much smaller than what it was forty years ago. It is still the largest economy in the North East. Although it is more industrially developed than the other North Eastern states, it is primarily an agrian economy with 63% of its population engaged in agriculture and allied activities.

35. Tea is a major industry in Assam which contributes 15 % of world's tea production and 55% of the country's tea output. A large section of the labor force of the State is employed in the tea estates of Assam. The other agricultural produce involves rice, sugarcane, pulses, potatoes and jute. The secondary sector of the economy comprises of the industries in Assam with large and medium scale productions. Agro based industries prevail in the State coupled with the tea industry that has a major contribution to the economy of the State of Assam. Assam is first State in the country where oil was struck in 1889 at Digboi. Assam has four oil refineries located at Guwahati, Digboi, Numaligarh and Bongaigaon with a total capacity of 7 MMTPA (Million Metric Tonnes per annum).The State also earns revenue from the mining industry that produces the four important industrial minerals of coal, limestone, sillimanite and oil. Important cottage industries are handloom, sericulture, manufacture of cane and bamboo articles, carpentry, smithy and manufacture of brass utensils. Assam is also the largest producer in the world of the golden colored muga silk.

36. The major large scale industries in the sub-project districts are Numaligarh Oil refinery, ONGC at Nazira, The Assam Co-operative Jute Mill in Nagaon, Bokajan Cement Factory. Apart from these, there are many medium and small scale industries in the districts. The Major exportable item from the districts in the instant scheme is tea.

2.2.3 Demography Features

2.2.3.1. Total Population

37. Total population in Assam stands at 3,12,05,576 of which 2,68,07,034 (85.90%) population belong to rural area and 43,98,542 (14.10%) population belong to urban area. Golaghat district has a total of 10,58,674 populations which is 3.39% of state population. The rural and urban population constitute 90.7% and 9.3% of total populations of this district. Jorhat district has a total of 10,91,295 populations which is 3.49% of state population, where the rural and urban population constitute 79.89% and 20.11% of total populations of the district respectively. Sibsagar district has

a total population of 11,50,253 which is 3.68% of state population. The rural and urban population constitute 90.44% and 9.56% of total populations of the district respectively. Nagaon district has a total population of 28,26,006 which is 9.05% of state population. The rural and urban population constitute 86.97% and 13.03% of total populations of the district respectively. Karbi Anglong district has a total population of 9,65,280 which is 3.09% of state population. The rural and urban population constitute 88.17% and 11.83% of total populations of the district respectively. Details are given in **Table 2.2**.

Table 2.2: Details on Total Population

Name/Particulars	Total Population	Total (Rural)	Total (Urban)	Percentage (Rural)	Percentage (Urban)
Assam	3,12,05,576	2,68,07,034	43,98,542	85.90	14.10
Golaghat	10,58,674	9,60,892	97,782	90.7	9.3
Jorhat	10,91,295	8,27,901	2,63,394	79.89	20.11
Nagaon	28,26,006	24,57,906	3,68,097	86.97	13.03
Sibsagar	11,50,253	10,40,376	1,09,877	90.44	9.56
Karbi Anglong	9,65,280	8,51,158	1,14,122	88.17	11.83

Source: Census of India, 2011

2.2.3.2 Male and Female Population

38. Out of total population 3,12,05,576 of the State, male population constitutes 15,939,443 (51.08%) and female population is 15,266,133 (48.92%). Total population in Golaghat stands at 10,58,674 of which male population stands at 5,39,949 (51%) and female population stands at 5,18,725 (49%). Total population in Jorhat stands at 10,91,295 of which male population stands at 5,57,944 (51.12%) and female population stands at 5,33,351 (48.88%). Total population in Nagaon stands at 28,26,006 of which male population stands at 14,40,307 (50.9%) and female population stands at 13,85,699 (49.1%). Total population in Sibsagar stands at 11,50,253 of which male population stands at 5,89,454 (51.24%) and female population stands at 5,60,799 (48.76%). Total population in Karbi Anglong stands at 9,65,280 of which male population stands at 4,93,482 (51.12%) and female population stands at 4,71,798 (48.88%).Details are given in **Table 2.3.**

Table 2.3: Details on Male/ Female Population

Name /Particulars	Total Population	Total Male	Total Female	Percentage (Male)	Percentage (Female)	Sex Ratio
Assam	3,12,05,576	15,939,443	15,266,133	51.08	48.92	958
Golaghat	10,58,674	5,39,949	5,18,725	51	49	961
Jorhat	10,91,295	5,57,944	5,33,351	51.12	48.88	956
Nagaon	28,26,006	14,40,307	13,85,699	50.9	49.1	962
Sibsagar	11,50,253	5,89,454	5,60,799	51.24	48.76	951
Karbi Anglong	9,65,280	4,93,482	4,71,798	51.12	48.88	956

Source: Census of India, 2011

2.2.3.3 Scheduled Caste (SC) and Scheduled Tribe (ST) Population

39. As per census 2011, the Scheduled Caste (SC) & Scheduled Tribe (ST) population of the State stands at 22,31,321 (7.15%) and 38,84,371 (12.4%) respectively. Golaghat district has a total SC population of 62,298 (5.88%) & ST population of 1,11,765 (10.55%). Total SC and ST population in Jorhat district are 88,665 (8.12%) & 1,39,971 (12.82%) respectively. Nagaon district has a total SC population of 2,66,350 (9.42%) & ST population of 1,15,153 (4.07%). Total SC and ST population in Sibsagar district are 1,12,725 (9.8%) & 78,217 (6.8%) respectively. Total SC and ST population in Karbi Anglong district are 44,961 (4.65%) & 5,38,738 (55.81%) respectively Details are given in **Table 2.4**.

Table 2.4: Details on Percentage SC/ST

Name/ Particulars	Total Population	Total SC Population	Percentage of SC Population	Total ST Population	Percentage of ST Population
Assam	3,12,05,576	22,31,321	7.15	38,84,371	12.4
Golaghat	10,58,674	62,298	5.88	1,11,765	10.55
Jorhat	10,91,295	88,665	8.12	1,39,971	12.82
Nagaon	28,26,006	2,66,350	9.42	1,15,153	4.07
Sibsagar	11,50,253	1,12,725	9.8	78,217	6.8
Karbi Anglong	9,65,280	44,961	4.65	5,38,738	55.81

Source: Census of India, 2011

2.2.3.4 Literacy

40. The literacy rate of all the districts in the instant scheme are significantly higher than that of the State. Details are given in **Table 2.5**.

Table2.5: Literate and Illiterate Population

Name/Particulars	Total Population	Total Literate	Percentage of Literate	Percentage (Male)	Percentage (Female)
Assam	3,12,05,576	19,177,977	61.46	55.11	44.89
Golaghat	10,58,674	8,19,731	77.43	83.56	71.09
Jorhat	10,91,295	9,97,335	91.39	93.63	88.99
Nagaon	28,26,006	26,40,337	93.43	98.58	88.08
Sibsagar	11,50,253	9,35,846	81.36	85.84	74.71
Karbi Anglong	9,65,280	6,68,456	69.25	64.11	52.12

Source: Census of India, 2011

2.2.3.5 Total Workers (Male and Female)

41. Total population into work in Assam stands at 1,19,69,690 of which total Male (work) population stands at 85,41,560 (71.36%) and total female (Work) population stands at 34,28,130

(28.64%). The details of working population of other project districts are given in **Table 2.6.**

Table 2.6: Details on Workers

Name/ Particulars	Total Population (Work)	Total Male (Work)	Total Female (Work)	Percentage (Male)	Percentage (Female)
Assam	1,19,69,690	85,41,560	34,28,130	71.36	28.64
Golaghat	479928	309104	170824	64.41	35.59
Jorhat	498618	320746	177872	64.33	35.67
Nagaon	979998	766728	213270	78.24	21.76
Sibsagar	485717	325071	160646	66.93	33.07
Karbi Anglong	383441	246193	137248	64.21	35.79

2.3.3.6 Households

42. Total Households in Assam stands at 64,06,471 of which 54,20,877 (84.61%) households belong to rural area and 9, 85,594 (15.39%) households belong to urban area. Tinsukia district has a total of 2,68,598 households of which 2,10,707 (78.45%) households belong to rural area and 57,891 (21.55%) households belong to urban area. Dibrugarh district has a total of 2,76,867 households of which 2,22,414 (80.33%) households belong to rural area and 54,453 (19.67%) households belong to urban area. Details are given in **Table 2.7**.

Table 2.7: Details on Households

Name/ Particulars	Total Households	Total (Rural)	Total (Urban)	Percentage (Rural)	Percentage (Urban)
Assam	64,06,471	54,20,877	9,85,594	84.61	15.39
Golaghat	2,27,197	2,04,860	22,337	90.16	9.84
Jorhat	2,36,262	184642	51,620	78.15	21.85
Nagaon	5,59,340	4,80,399	78,941	85.89	14.11
Sibsagar	2,48,367	2,22,136	26,231	89.44	10.56
Karbi Anglong	177646	1,53,957	23,689	86.67	13.33

Source: Census of India, 2011

III. LEGAL & REGULATORY FRAMEWORK

3.1. Overview

43. In India, compensation for land acquisition (LA) and rehabilitation for project affected persons/families is directed by the National law i.e. "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (hereafter RFCTLARR, 2013"), effective from 1st January 2014. For transmission/distribution line project, land for tower/pole and right of way is not acquired and ownership of land remains with the owner and is allowed to continue cultivation after construction. However, as per existing laws[5] compensation for all damages are paid to the individual land owner. The relevant national laws applicable for transmission/distribution project are (i) The Electricity Act, 2003 and (ii) The Indian Telegraph Act, 1885 and (iii) Govt. of Assam notification on RoW Compensation dated 10th March 2017. The compensation principles adopted for this project shall comply with applicable laws and regulations of the GoI/ State Govt, World Bank's Safeguard Policies and AEGCL & APDCLs ESPPF.

3.2. Statutory Requirements

44. Transmission lines are constructed under the ambit of The Electricity Act, 2003. The provisions stipulated in section 67-68 of the Electricity Act, 2003 read with section 10 & 16 of the Indian Telegraph Act, 1885 governs the compensation as AEGCL/APDCL has been vested with the powers of Telegraph Authority vide Power(Electricity) Department, Govt. of Assam notification dated 16th March, 2016 under Section - 164 of the Electricity Act. As per the provision of Indian Telegraph Act, 1885 under section 10 (b), AEGCL/APDCL is not authorized to acquire any land hence land under tower is not acquired. However, compensation for all damages are paid to the individual land owner as per the provision of Section-10 (d) of Indian Telegraph Act, 1885.

45. The provisions in the Electricity Act, 2003 and Indian Telegraph Act, 1885 regarding compensation for laying of transmission lines are as follows:

3.2.1. The Electricity Act, 2003, Part-VIII, Section 67 & 68

Quote:

Section 67 (3-5):

(3) A licensee shall, in exercise of any of the powers conferred by or under this section and the rules made thereunder, cause as little damage, detriment and inconvenience as may be, and

[5] *As per the present provision in the Electricity Act, 2003 read with relevant provisions of Indian Telegraph Act, 1885 all the damages (without acquisition of subject land) accrued to person while placing the tower and line are to be compensated*

shall make full compensation for any damage, detriment or inconvenience caused by him or by any one employed by him.

(4) Where any difference or dispute [including amount of compensation under sub-section (3)] arises under this section, the matter shall be determined by the Appropriate Commission.

(5) The Appropriate Commission, while determining any difference or dispute arising under this section in addition to any compensation under sub-section (3), may impose a penalty not exceeding the amount of compensation payable under that sub-section.

Section 68 (5 & 6):

(5) Where any ***tree standing or lying near an overhead line or where any structure or other object which has been placed or has fallen near an overhead line*** *subsequent to the placing of such line, interrupts or interferes with, or is likely to interrupt or interfere with, the conveyance or transmission of electricity or to interrupt or interfere with, the conveyance or transmission of electricity or the accessibility of any works, an Executive Magistrate or authority specified by the Appropriate Government may, on the application of the licensee, cause the tree, structure or object to be removed or otherwise dealt with as he or it thinks fit.*

(6) When disposing of an application under sub-section (5), an Executive Magistrate or authority specified under that sub-section shall, in the case of any tree in existence before the placing of the overhead line, ***award to the person interested in the tree such compensation as he thinks reasonable, and such person may recover the same from the licensee.***

Explanation. - For purposes of this section, the expression "tree" shall be deemed to include any shrub, hedge, jungle growth or other plant.

Unquote.

3.2.2. The Indian Telegraph Act, 1885, Part-III, Section 10 :

Quote:

Section 10 – *The telegraph authority may, from time to time, place and maintain a telegraph line under, over, along, or across, and posts in or upon any immovable property, Provided that*

a) the telegraph authority shall not exercise the powers conferred by this section except for the purposes of a telegraph established or maintained by the [Central Government], or to be so established or maintained;

b) ***the [Central Government] shall not acquire any right other than that of user only*** *in the property under, over, along, across in or upon which the telegraph authority places any telegraph line or post; and*

c) *except as hereinafter provided, the telegraph authority shall not exercise those powers in respect of any property vested in or under the control or management of any local authority, without the permission of that authority; and*

d) *in the exercise of the powers conferred by this section, the telegraph* ***authority shall do as little damage as possible, and, when it has exercised those powers in respect of any property other than that referred to in clause (c), shall pay full compensation to all persons interested for any damage sustained by them*** *by reason of the exercise of those powers.*

Unquote.

Section 16 of the Indian Telegraph Act, 1885 which stipulates as under:

16. Exercise of powers conferred by section 10, and disputes as to compensation, in case of property other than that of a local authority:

(1) If the exercise of the powers mentioned in Section 10 in respect of property referred to in clause (d) of that section is resisted or obstructed, the District Magistrate may, in his discretion, order that the telegraph authority shall be permitted to exercise them.

(2) If, after the making of an order under sub section (1), any person resists the exercise of those powers, or, having control over the property, does not give all facilities for this being exercised, he shall be deemed to have committed an offence under section 188 of the Indian Penal Code (45 of 1860).

3.2.3. MoP guidelines dated 15th October, 2015 for payment of compensation toward damages in regard to RoW

46. Ministry of Power (MoP) vide its order No. 3/7/2015-Trans dated 15th April'15 constituted a Committee comprising of representatives of various State Govt., MoP, Central Electricity Authority (CEA) & POWERGRID under the chairmanship of Special Secretary, MoP to analysed the issues relating to Right of Way for laying of transmission lines in the country and to suggest a uniform methodology for payment of compensation on this account. Based on recommendation of the Committee, Ministry of Power, Govt. of India vide its notification dated 15th Oct'15 has issued guidelines for payment of compensation for damages in regard to RoW (**Annexure-2**). Ministry of Power (MoP) has also written to all the States for taking suitable decisions regarding adoption of these guidelines considering that acquisition of land is a State subject. The said guidelines were adopted by Govt. of Assam vide its notification dated 10th March 2017 for implementation (**Annexure-3**) which is applicable to transmission lines supported by tower base of 66 kV only and

not for sub-transmission & distribution lines below 66 kV. As per the guidelines following compensation shall be paid to all affected farmers/land owners in addition to normal tree and crop damage compensation;

i) **Tower base**: Compensation @ 85% of land value as determined by District Commissioner/Bodoland Territorial Council (BTC) or any other competent authority based on Circle rate/ Guideline value/ Stamp Act for tower base area (between four legs).
ii) **Line corridor**: Compensation @ maximum 15% of land value towards diminution of land value in the width of RoW corridor as determined by District Commissioner or any other competent authority based on Circle rate/ Guideline value/ Stamp Act.

3.3. World Bank's Environmental & Social Safeguard Policies

47. The objective of Bank's policies is to prevent and mitigate undue harm to people and their environment in the development process. Safeguard policies provide a platform for the participation of stakeholders in project design, and act as an important instrument for building ownership among local populations. Operational Policies (OP) are the statement of policy objectives and operational principles including the roles and obligations of the Borrower and the Bank, whereas Bank Procedures (BP) is the mandatory procedures to be followed by the Borrower and the Bank. Apart from these, World Bank Group Environmental, Health, and Safety (EHS) General Guidelines and EHS Guidelines for Electric Power Transmission and Distribution are also relevant for environmental protection and monitoring of transmission projects. The WB's relevant social safeguard policies and their objective are given in **Table – 3.1**.

Table 3.1: World Bank's Operational Policies for Social Safeguard

Operational Policy(OP)	Policy Objectives
OP 4.11 - Physical Cultura Resources (PCR)	To preserve PCR and in avoiding their destruction or damage. PCR includes resources of archeological, paleontological, historical, architectural, and religious (including graveyards and burial sites), aesthetic, or other cultural significance.
OP 4.12 – Involuntary Resettlement	To avoid or minimize involuntary resettlement and, where this is not feasible, assist displaced persons in improving or at least restoring their livelihoods and standards of living in real terms relative to pre-displacement levels or to levels prevailing prior to the beginning of project implementation, whichever is higher.

OP 4.10 – Indigenous Peoples	To ensure that the Indigenous Peoples receive social and economic benefits those are culturally appropriate and gender and inter generationally inclusive. The project shall ascertain broad community support for the project based on social assessment and free prior and informed consultation with the affected Tribal community, if any.

3.4. AEGCL/APDCL's ESPPF

48. To address the environmental and social issues related to its power transmission and distribution projects under NERPSIP, AEGCL/APDCL has adopted an Environmental and Social Policy & Procedures Framework (ESPPF) in 2015 based on the principles of avoidance, minimization, and mitigation. The ESPPF had been developed by POWERGRID on behalf of the State Utility based on ESPP of POWERGRID who has proven credentials in management of environmental and social issues of large number of power transmission projects both within and outside the country after a comprehensive review of Utility's existing policies/provisions and consultation with stakeholders.

49. ESPPF's outlines Utility's approach and commitment in dealing with the environmental and social issues relating to its transmission projects, lays down the management procedures and protocols for the purpose that includes the framework for identification, assessment, and management of environmental and social concerns at both organizational and project levels.

50. Specifically on social, the following criteria and approach are considered in the ESPPF:

(i) Take due precautions to minimize disturbance to human habitations, tribal areas and places of cultural significance.
(ii) Take due care of Project Affected Persons (PAP).
(iii) Involve affected people from inception stage to operation and maintenance.
(iv) Consult affected people in issues of RoW, land acquisition or loss of livelihood.
(v) Encourage consultation with communities in identifying environmental and social implications of projects.
(vi) Guarantee entitlements and compensation to affected people as per entitlement matrix.
(vii) Share information with local communities about environmental and social implications.
(viii) Always maintain highest standards of health and safety and adequately compensate affected persons in case of any eventuality.

3.5. Basic Principles for the Project

51. The basic principles adopted for the Project are:

(i) Avoid negative impacts of land acquisition and involuntary resettlement on persons affected by the Project to the extent possible.
(ii) Where negative impacts cannot be avoided, assist affected persons (AP), in improving or at least regaining their standard of living and income.
(iii) Carry out meaningful consultations with affected persons and inform all displaced persons of their entitlements and resettlement options. Ensure their participation in planning, implementation and monitoring of the Project
(iv) Disclose all information related to, and ensure AP participation in, resettlement planning and implementation.
(v) Provide compensation for acquired assets at replacement/market value in accordance with the RP/CPTD.
(vi) Ensure that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of non-land assets.
(vii) Provide resettlement assistance and income restoration to APs.
(viii) Provide for APs not present during enumeration. However, anyone moving into the project area after will not be entitled to assistance.
(ix) Develop procedures in a transparent, consistent, and equitable manner if land acquisition is through negotiated settlement to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status.
(x) Provide compensation and resettlement assistance prior to taking possession of the acquired lands and properties.
(xi) Establish grievance redress mechanisms to ensure speedy resolution of disputes.
(xii) Ensure adequate budgetary support to cover implementation costs for CPTD.
(xiii) Monitoring of the implementation of CPTD.

52. Additionally, the issues related to the Right of Way (RoW) for the transmission lines will be dealt with proper care especially for the temporary loss. For the loss of crops and trees due to construction of overhead lines, cash compensation payable by cheque/through online transfer will be provided during construction works. Further, cash compensation (by cheque/ online transfer) to the APs for the temporary loss of crop and loss of trees if occurred, during the time of maintenance and repair.

IV. PROJECT IMPACTS

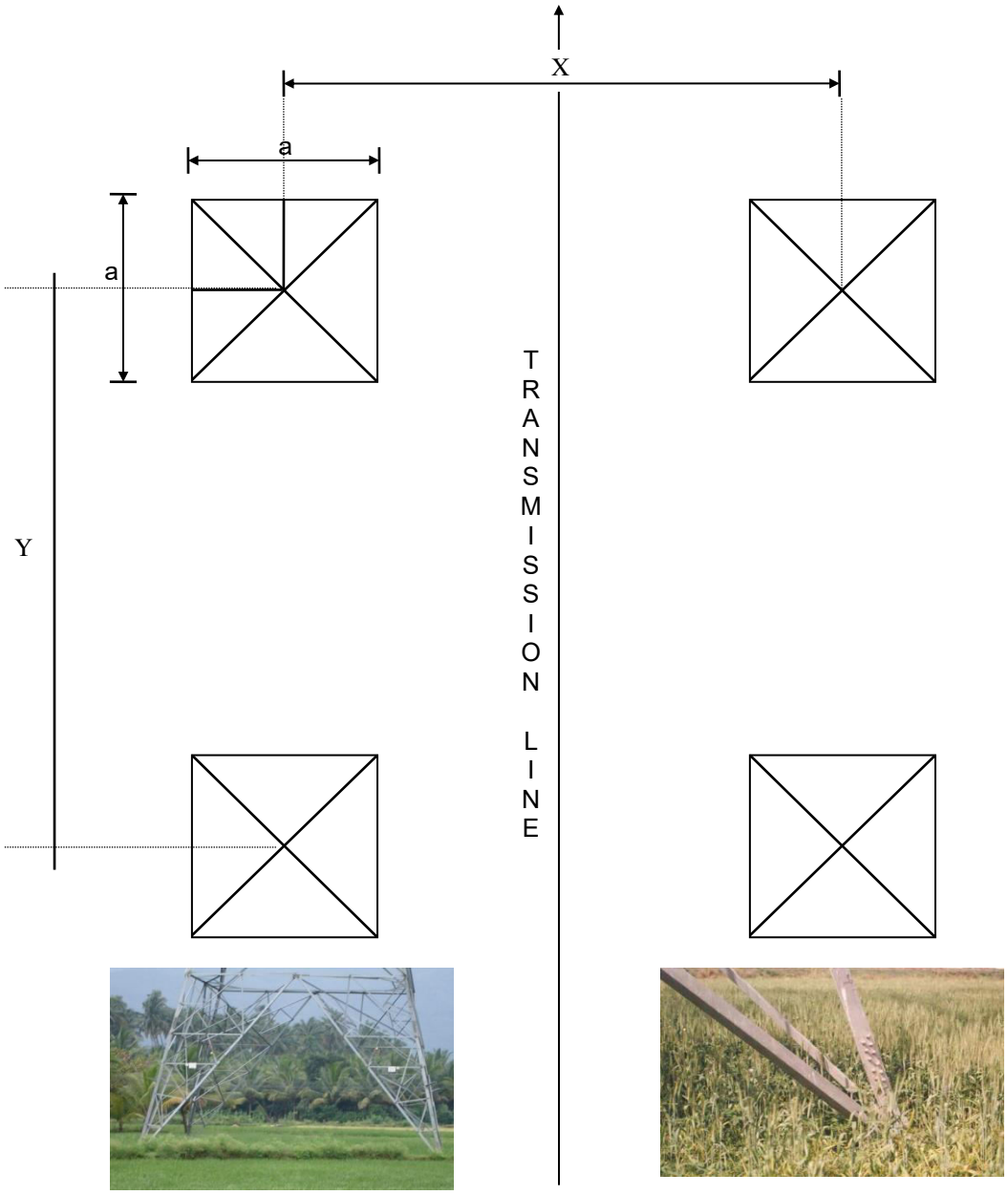
4.1. General

53. The project does not require any private land acquisition for construction of transmission/distribution lines. Due to inherent flexibility in routing of line, no major damages to structures or physical displacement is envisaged. Hence, there are no adverse impacts such as permanent loss of assets, livelihood loss or physical resettlement/relocation due to project intervention. However, there are some social impacts due to construction of lines/placing of towers & poles which are temporary in nature in terms of loss of standing crops/trees/structures in the RoW. Preliminary investigation/survey has been carried out for transmission/distribution line to estimate/arrive at the selection of one best feasible alignment route out of at least 3 alternative alignments studied, for detailed survey to be undertaken during execution of main contracts. The details of tower/pole schedule depicting location & its coordinate, land use including major crossings along proposed route alignment is placed as **Annexure-4**. Therefore, the CPTD remains as draft, as actual temporary impacts shall be known only during implementation which will be based on the detailed design and final survey once the construction contractor is mobilized for implementation. The details of land use have been gathered to have an idea about the temporary damages that might occur during construction of the transmission and distribution lines. The corridor of width (Right of Way) required for 220 kV D/C and 132 KV D/C transmission line are 35 meter and 27 meter respectively whereas, for 33 kV distribution lines it is considered as 15 meter.

54. Soil & Surface Geology: In plain areas impact on soil & geology will be almost negligible as the excavated pit material is stacked properly and back filled as well as used for resurfacing the area. On hill slopes where soil is disturbed will be prone to erosion is suitably protected by revetment, breast walls, and proper drainage. Besides extensive leg /chimney extension shall be used to avoid benching or cutting of slopes to minimize the impact on slope stability.

55. The land requirement for erection of tower legs is very small i.e. for each leg of tower actual construction is done on a small square area with side length ranging from 0.20 to 0.30 meter depending on the types of tower. Four such square pieces of land will be required to place the legs of tower. The area that becomes unavailable because of the erection of tower legs for an average 220/132 kV D/c transmission tower ranges from 0.16-0.36 sq.m. of land. Thus, the actual impact is restricted to 4 legs of the tower and agriculture can continue as clearly depicted in the **Figure-4.1.**

Figure-4.1: Typical Plan of Transmission Line Tower Footing



ACTUAL POSITION ON GROUND

INDICATIVE MEASURES

X & Y = 5-10 METERS

a = 200- 300 mm

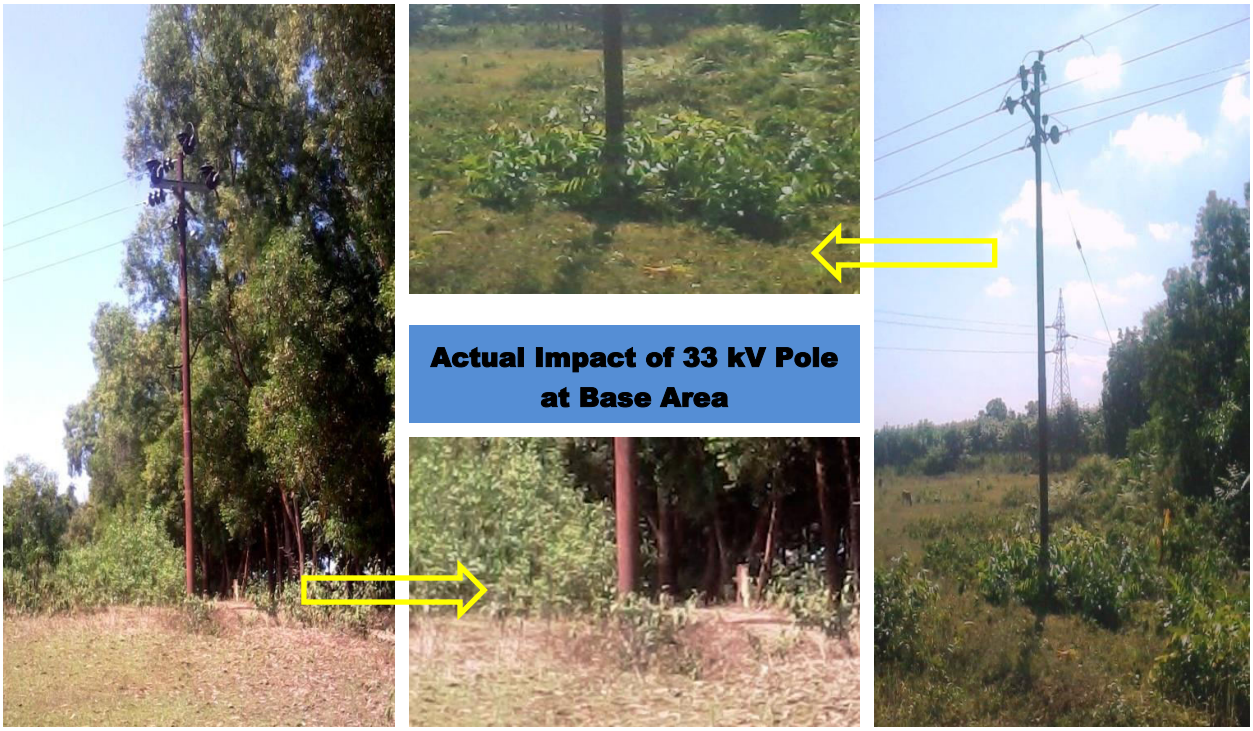
In case of 33 kV distribution line area that becomes unavailable because of the erection of pole is insignificant as approx. 1 sq. ft. land area is occupied for one pole (refer **Figure. 4.2** depicting actual base area impact). Due diligence confirms that land is either agricultural or barren, and current land use is not altered and resumed after construction. As per earlier practices, full compensation (100%) towards land value in tower base areas as decided by the district authority is paid towards damages to the affected persons/land owners. Since, Govt. of Assam vide notification dated 10th March, 2017 has adopted the MoP guidelines, land compensation toward damages in regard to RoW shall be paid as per the norms (@ 85% for tower base and 15% for corridor) in addition to normal crop and tree damages.

56. Crops: Construction of line in crop season is avoided as far as possible. In case when installation of towers/poles impacts on agricultural activity, detailed assessment/survey is conducted looking at existing crops, general crop patterns, seasonal particulars, nature and extent of yield. This data is compiled and analysed to study the extent and nature of impact. The compensation is in terms of yield/hectare and rate/quantity for prevailing crops in the area. Based on this, total compensation is calculated in consultation with revenue authorities. Compensation is paid to the owners and their acknowledgement obtained.

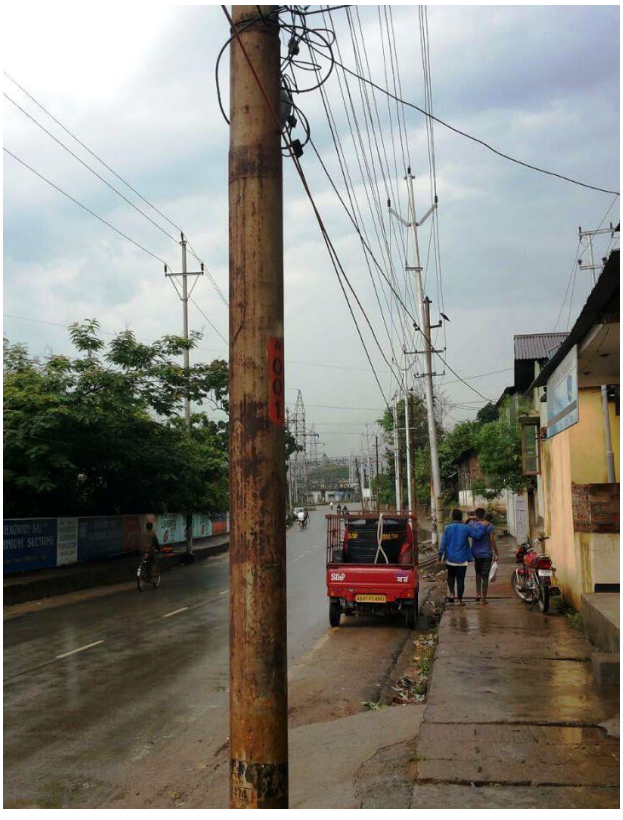
57. Trees: Construction of line in fruit bearing season is avoided as far as possible. Tree compensation is calculated on the basis of tree enumeration, tree species and an estimate of the compensation will be calculated on the basis of 8 years yield (assessed by revenue/horticulture department). Market rates of compensation are assessed by the relevant government authorities. The total estimate is submitted for approval of the competent authority. Payments are made to owners in the presence of local revenue authorities or village head/ Sarpanch and respective acknowledgements are obtained.

58. Other Damages: Like bunds, water bodies, fish ponds, approach paths, drainage and irrigation canals etc. are at best avoided. However, if damaged, the Revenue Department assesses the cost of damage as per State Govt. norms. The total estimate is submitted for approval to the competent authority. Payments are made to owners in the presence of local revenue authorities or village head/ Sarpanch and respective acknowledgements are obtained and POWERGRID/AEGCL & APDCL pays the compensation. Hindrances to power, telecom carrier & communication lines etc. shall be paid as per Govt. norms.

Figure- 4.2:33 KV lines (Single & H pole) depicting base area impact



Actual Impact of 33 kV Pole at Base Area



33 kV line inside city area of Assam

33 kV (H Pole) line inside substation

4.2. Impact due to construction of New Substation and Bay extension

59. The project component consists of establishment of 132/33 kV new substation at Sarupathar and Teok, extension of 220/132 kV Samaguri and extension of 132/33 kV Samguri and 33/11 kV new substation at Mailu and Hatimurah-II and strengthening of 33/11 kV Teok substation (existing), 33/11 kV Kakojan (existing), 33/11 kV Zanji (existing), 33/11 kV Pragati (existing), 33/11 kV Barpathar (existing) and 33/11 kV Sariahjan (existing). Land for new substations are either available with AEGCL/APDCL or purchased on negotiated rates based on "willing buyer-willing seller basis". The extensions/strengthening works at proposed transmission and distribution substations will be done within the existing substations campus and no fresh land secured for this purpose. Since no involuntary acquisition is involved, R&R will not be an issue in the instant project. The details are provided in **Table 4.1**:

Table 4.1: Details of Substation

Name of substation	Permanent Impact on Land Use	Temporary Impact on loss of crops	Impact on Loss of Trees	Details of Land			
				Land Area (acre)	No. of Land owner	Compensation (Rs. Million)	Land Type/ Securing method
132/33 kV new substation at Sarupathar	Yes	Nil	Nil	7.27	N.A.	N.A.	AEGCL existing land
132/33 kV new substation at Teok	Yes	Nil	Nil	7.27	2	52.97	Private Land purchased on negotiated rates based on "willing buyer-willing seller basis".
Augmentation of 220/132 kV substation at Samaguri (Existing)	No	Nil	Nil	N.A.	N.A.	N.A.	AEGCL existing land
Augmentation of 132/33 kV substation at Samaguri (Existing)	No	Nil	Nil	N.A.	N.A.	N.A.	AEGCL existing land
33/11 kV new substation at Mailu	Yes	Nil	Nil	1.9	N.A.	N.A.	APDCL existing land
33/11 kV new substation at Hatimurah-II	Yes	Nil	5	0.96	N.A.	N.A.	APDCL existing land

Strengthening of 33/11 kV Teok (Existing) substation	Yes	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land
Strengthening of 33/11 kV Kakojan (Existing) substation	No	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land
Strengthening of 33/11 kV Zanji (Existing) substation	No	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land
Strengthening of 33/11 kV Pragati (Existing) substation	No	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land
Strengthening of 33/11 kV Barpathar (Existing) substation	No	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land
Strengthening of 33/11 kV Sariahjan (Existing) substation	No	Nil	Nil	N.A.	N.A.	N.A.	APDCL existing land

4.3. Temporary Impacts Caused due to Transmission/Distribution Line (Right of Way)

4.3.1. Type and Use of Land within Corridor Right of Way

60. The line corridor will pass through mixed land uses which are generally agricultural land, private plantation, government land etc. The calculations are based on detailed survey/ investigation carried out along the route of transmission/distribution lines and considering the total line length of the line and its right of way. The total line length is 117.1 kilometre (km) which will impact an estimated of 437.419 acres[6] of land. These include 76.693 km of line passing through agricultural land (286.068 acre of agricultural land), 17.934 km of private plantation (66.708 acre of private plantation land) and 22.474 km of government land (84.643 acre of government land). A brief description about the type and use of land in the corridor is given in **Table 4.2.**

Table 4.2: Type and Use of Land within Corridor of RoW (in Kms/Hectares)

Sl. No.	Name of the Line	RoW (in meter)	Agricultural land	Private Plantation	Forest	Govt land	Total
A.	**Transmission Line**						
1	LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	27	Nil	Nil	Nil	0.270 km (1.80 acre)	0.270 km (1.80 acre)
2	LILO of Jorhat (Gormur) – Nazira 132 kV S/C on	27	0.637 km (4.24 acre)	0.1 km (0.66 acre)	Nil	0.195 km (1.3 acre)	0.932 km (6.21 acre)

[6] Total Line Length (kilometers) X Right of Way (meters)X1000/ 4,047= Area in Acre

	D/C at Teok						
B.	**Distribution Line**						
3	33 kV line from 132/33 kV Shankardeo Nagar to 33/11 kV (New) Mailu substation	15	18.66 km (69.17 Acre)	1.883 km (6.98 Acre)	Nil	-	20.543 km (76.15 Acre)
4	33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation		6.5 km (24.09 Acre)	5.4 km (20.01 Acre, Pvt Tea Garden)	Nil	7.29 km (27.02 Acre Govt Tea Garden)	19.19 km (71.12 Acre)
5	33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation		3.210 km (11.89 acre)	1.71 Km (6.33 acre)	Nil	0.43Km (1.59 acre)	5.35 km (19.83 acre)
6	33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation		12.142 km (44.99 acre)	2.232 km (8.25 acre)	Nil	0.822 km (3.04 acre)	15.196 km (56.28 acre)
7	33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	15	4.904 km (18.17 acre)	0.5 km (1.85 acre)	Nil	0.88 km (3.26 acre)	6.28 km (23.28 acre)
8	33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation		5.147 km (19.07 acre)	2.841 km (10.52 acre)	Nil	0.243 km (0.9 acre)	8.231 km (30.49 acre)
9	33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation		2.976 Km (11.026 acre)	1.00 Km (3.705 acre)	Nil	7.795 Km (28.88 acre)	11.771 Km (43.611 acre)
10	33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation		3.297 Km (12.215 acre)	0.4 Km (1.482 acre)	Nil	2.188 Km (8.106 acre)	5.885 Km (21.803 acre)
11	33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation		19.220 Km (71.207 acre)	1.868 Km (6.921 acre)	Nil	2.361 Km (8.747 acre)	23.449 Km (86.875 acre)
Total			**76.693 km (286.068 acre)**	**17.934 km (66.708 acre)**	**Nil**	**22.474 km (84.643 acre)**	**117.1 km (437.419 acre)**

Source: Detailed Survey

4.3.2 Total loss of crop area (RoW Corridor & Tower/Pole)

61. For the temporary loss of crops, only agricultural land and private plantation land are considered for estimation. The damages are not done in complete RoW of line but mostly restricted to tip to tip of the conductor and tower base area where average affected width/corridor

would be limited to 27 meter(m) and 20 meter (maximum) instead of RoW of 35 meter and 27 m for 220 kV and for 132 kV respectively. Whereas in 33 kV distribution lines, damages are minimal (mostly near bi-pole//quad-pole structure). However, 10 meter corridor is considered for accessing the damages. Moreover, all efforts are made to reduce the damages to crops and to minimize the impacts whatsoever. One of the reasons is that schedules of construction activities are undertaken in lean season or post-harvest periods. As the assets of any sorts will not be acquired but during construction, only temporary damages will occur for which the compensation shall be paid to affected persons as per entitlement matrix.

62. Based on the above estimation, the total land considered for crop compensation for transmission/distribution line corridor and tower/pole foundation for the entire subproject covered under the scope of above CPTD is 235.6 acre. Details of estimated impacted area for crop damages is given in **Table 4.3:**

Table 4.3: Estimation on Loss of Land for Crop Damage due to Overhead Lines

Name of the line	Width Considered for Estimation of Loss of Crops and other impacts (Meter)	Total Agricultural Land (km)	Total Private Plantation (km)	Total Line Length Considered for Crop Compensation (km)	Total Land Area considered for Crop Compensation (acre)
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	20	Nil	Nil	Nil	Nil
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	20	0.637	0.1	0.737	3.64
33 kV line from 132/33 kV (Existing) Shankardeo Nagar to 33/11 kV (New) Mailu substation	10	18.66	1.883	20.543	50.76
33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation	10	6.5	5.4	11.9	29.40
33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	10	3.210	1.71	4.92	12.15
33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan	10	12.142	2.232	14.374	35.51

(Existing) substation					
33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	10	4.904	0.5	5.404	13.35
33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	10	5.147	2.841	7.988	19.73
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation	10	2.976	1	3.976	9.82
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation	10	19.220	1.868	21.088	52.11
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	10	3.297	0.4	3.697	9.13
Total		**76.693**	**17.934**	**94.627**	**235.6**

Source: Detailed Survey

4.3.3 Actual loss of land for Tower Base & Pole

63. As already explained, the impact of transmission line is restricted to 4 legs of the tower and agriculture can continue after construction activity is over. The average land area will be unavailable for erection of one 220 kV / 132 kV T/L tower and one pole for 33 kV D/L is approx. 0.25 sq.m & 0.092 sq.m. respectively. Based on above, total land loss for construction of 1.202 km of 132 kV LILO line and 115.85 km of 33 kV distribution line proposed under the present scheme is estimated 0.072 acre respectively. However, compensation toward loss of land shall be provided to APs which is part of RoW compensation. Details of land loss for tower base & pole are given in **Table- 4.4.**

Table 4.4: Estimation of Actual Loss of Land for Tower Base & Pole

Name of the line	Line length (km)	Total Tower/Pole (Nos.)	Land loss per tower/pole base (sq.m.)	Total land loss area for tower & pole base (sq.m)
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	0.270	3	0.25	0.75
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	0.932	7	0.25	1.75
33 kV line from 132/33 kV (Existing) Shankardeo Nagar to 33/11 kV (New)	20.543	541	0.092	49.772

Mailu substation				
33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation	19.19	511	0.092	47.012
33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	5.35	264	0.092	24.288
33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation	15.187	390	0.092	35.88
33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	6.281	177	0.092	16.284
33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	8.2	197	0.092	18.124
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation	11.771	337	0.092	31.004
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation	23.449	587	0.092	54.004
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	5.885	168	0.092	15.456
Total				**294.324 ≅ 0.072 acre**

4.3.4 Land area for RoW compensation as per MoP Guidelines /Govt. of Assam notification

64. Subsequent to the notification by Govt. of Assam on adoption of MoP guidelines, compensation toward damages in regard to RoW for proposed 132kV and 220 kV line @ 85% land value for tower base & maximum 15% land value for width of RoW corridor as decided by District Magistrate or any other authority shall be paid to land owners. Details of land areas considered for such compensation is given in **Table 4.5.**

Table 4.5 Land area for RoW Compensation

Name of the line	Line length (km)	Nos. of Tower	Land area for Tower base per km (in acre)	Total land area for tower base (In acre)	*RoW Corridor area per km(In acre)	Total land area for RoW Corridor (In acre)	Total Land area (In acre)
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	0.270	3	0.036	0.00972	6.635	1.791	1.8

LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	0.932	7	0.036	0.033	6.635	6.18	6.51

* ***Effective RoW corridor area has been considered after excluding tower base area.***

4.3.5. Loss of Trees

65. Total numbers of trees likely to be affected due to construction of 1.202 km of 132 kV LILO line and 115.85 km of 33 kV distribution line is approx. 2590 and 172 trees where only branch trimming to be done. Out of 2590 trees, 1618 are private trees and 972 trees in govt. land. During construction, private trees will be compensated as per the entitlement matrix. Details on number of trees for each line are given in **Table 4.6.**

Table 4.6: Loss of Trees

Name of Line	Trees in Private Area (Numbers)	Trees in Govt. Area (Numbers)	Total Trees (Numbers)
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	Nil	Nil	Nil
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	20	Nil	20
33 kV line from 132/33 kV (Existing) Shankardeo Nagar to 33/11 kV (New) Mailu substation	Branch Trimming Only	-	0 (87 Trees as per tree enumeration, but only branch trimming)
33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation	Branch Trimming Only	-	0 (85 Trees as per tree enumeration, but only branch trimming)
33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	165	63	228
33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation	310	102	412
33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	132	17	149
33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	91	Nil	91
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation	300	200	500
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV	250	450	700

Sariahjan (Existing) substation			
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	350	140	490
Total	**1618**	**972**	**2590 + 172 nos. only branch trimming**

Source: Detailed Survey

4.3.6. Loss of Other Assets (Small Shed in Agriculture Fields)

66. It has been observed during survey that only 01 number of small structure exist along the right of way of proposed lines. These are small storage sheds/huts which are mostly temporary structure associated with the agricultural fields. People do not use these small structures/sheds for residential purpose and they use it as storage of agricultural purpose only. During construction, these will be compensated in cash as per the entitlement matrix. Details on impacts on small structures are given in **Table 4.7**

Table 4.7: Loss of Other Assets

Name of Line	No. of storage sheds/huts
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	Nil
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	Nil
33 kV line from 132/33 kV (Existing) Shankardeo Nagar to 33/11 kV (New) Mailu substation	Nil
33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation	Nil
33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	Nil
33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation	Nil
33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	Nil
33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	Nil
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation	Nil
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation	01
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	Nil
Total	**01**

Source: Detailed Survey

4.4. Details of Affected Persons

67. The total number of affected persons which may be impacted temporarily cannot be

estimated as they are yet to be identified. Till date, 15 numbers of affected persons have been identified. Details are given in **Table 4.8.** The number of APs in the table refers to the most conservative option. State Utilities/ POWERGRID will schedule civil works in such a way to minimize impacts and substantially reduce the damages to crops and therefore the number of affected persons and Agricultural Households (AHH).

Table 4.8: Number of Affected Persons

Name of Line	Total APs
LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	Nil
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	15
33 kV line from 132/33 kV (Existing) Shankardeo Nagar to 33/11 kV (New) Mailu substation	Nil
33 kV line from 132/33 kV (Existing) Samaguri to 33/11 kV (New) Hatimurah-II Substation	Nil
33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	Not yet identified
33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation	Not yet identified
33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	Not yet identified
33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	Not yet identified
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Barapathar (Existing) substation	Not yet identified
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation	Not yet identified
33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	Not yet identified

Source: Detailed Survey

4.5 Other Damages

68. As far as possible, damages to bunds, water bodies, fish ponds, approach paths, drainage and irrigation canals etc. are avoided. However, if damaged during construction activities, compensation as per practice is paid after assessment of the cost of damage by the State Govt. Revenue Department. The total estimate is submitted for approval to the competent authority. AEGCL & APDCL/POWERGRID pays the compensation to owners in the presence of local revenue authorities or Village head/ Sarpanch and respective acknowledgements are obtained. Any hindrances to power, telecom carrier & communication lines etc. shall also be paid as per Govt. norms.

4.6 Impact on Indigenous People

69. Government of India, under Article 342 of the Constitution, considers the following

characteristics to define indigenous peoples [Scheduled Tribes (ST)]:

(i) tribes' primitive traits;

(ii) distinctive culture;

(iii) shyness with the public at large;

(iv) geographical isolation; and

(v) social and economic backwardness before notifying them as a Scheduled Tribe.

70. Essentially, indigenous people have a social and cultural identity distinct from the 'mainstream' society that makes them vulnerable to being overlooked or marginalized in the development processes. STs, who have no modern means of subsistence, with distinctive culture and are characterized by socio-economic backwardness, could be identified as Indigenous Peoples. Indigenous people are also characterized by cultural continuity. Constitution of India identifies schedule areas which are predominately inhabited by such people. In Assam, special provisions also have been extended to the Tribal Areas under the 6th Schedule [Articles 244(2) and 244(A) of the constitution] in addition to basic fundamental rights. The Sixth Schedule provides for administration of tribal areas as autonomous entities. The administration of an autonomous district is vested in a District Council and of an autonomous region, in a Regional Council.

71. The instant project is being implemented in the Golaghat, Jorhat, Nagaon, Sibsagar and Karbi Anglong district, out of which Karbi Anglong is a part of the areas covered under the provisions of sixth schedule. However, it may be noted that all social issues shall be dealt separately in accordance with the provisions of Social Management Framework (SMF, A-C) placed in the AEGCL/APDCL's ESPPF.

4.7. Summary of Impacts

72. Based on the above assessment, temporary impacts on loss of crops, trees, other structures and number of APs are summarized below in **Table 4.9**.

Table 4.9: Summary of Impacts

Particulars	Details
Length in Kms (Transmission/Distribution Line)	1.202/ 115.85
Number of Towers/ Poles	10/3112
Total Area under RoW (acre)	437.419
Total APs	15
Affected Structures (Small Sheds for agricultural purpose)	01
Area of Temporary Damages for crop compensation (In acre)	235.6

Total Trees	2590 + 172 nos only branch trimming

Source: Detailed Survey

V. ENTITLEMENTS, ASSISTANCE AND BENEFITS

5.1. Entitlements

73. In the instant project, there is no involuntary acquisition of land involved, only temporary damage will occur during construction of transmission/distribution lines for which compensation is paid as per relevant regulations/norms. APs will be entitled for compensation for diminution land value and other towards temporary damages to crops/trees/structures etc. as per the Entitlement Matrix given in **Table 5.1**. Compensation towards temporary damages to all eligible APs including non-title holders is paid after assessment by relevant authorities of State Govt. In order to streamline the compensation process, a disbursement module has been developed specifying time period with respect to various process/stages which will be implemented for the instant project.

74. All APs are paid compensation for actual damages irrespective of their religion, caste and their economic status. One time additional lump sum assistance will be paid to vulnerable households not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC. As an additional assistance, construction contractors are encouraged to hire local labour that has the necessary skills.

5.2. Entitlement Matrix

75. An Entitlement Matrix for the subprojects is given in **Table 5.1**.

Table 5.1: Entitlement Matrix

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
1.	Land area below tower base ***(#)***	Owner	100% land cost at market value as ascertained by revenue authorities or based on negotiated settlement without actual acquisition/title transfer.
2	Land coming in corridor of width of Right of Way **(#)**	Owner	15% of land cost as decided by Deputy Commissioner
3.	Loss/damage to crops and trees in line corridor	Owner/ Tenant/ Sharecropper/ Leaseholder	Compensation to actual cultivator at market rate for crops and 8 years income for fruit bearing trees*. APs will be given advance notice to harvest their crops. All timber* will be allowed to retain by the owner.
4.	Other damages (if applicable)	All APs	Actual cost as assessed by the concerned authority.
5.	Loss of structure		

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
(i)	House	Titleholders	Cash compensation at replacement cost (without deduction for salvaged material and depreciation value) plus Rs. 25,000/- assistance (based on prevailing GOI norms for weaker section housing) for construction of house plus transition benefits as per category-5 below.
(ii)	Shop/ Institutions/ Cattle shed	Individual/ Titleholders	Cash compensation plus Rs. 10000/- for construction of working shed/shop plus transition benefits as per category-5 below
(iii)	Losses during transition under (i) & (ii) above for Shifting / Transport	Family/unit	Provision of transport or equivalent cash for shifting of material/ cattle from existing place to alternate place
(iv)	Tribal/ Vulnerable APs	Vulnerable APs7	One time additional lump sum assistance not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC.

(#)Since Govt. of Assam has adopted MoP guidelines vide notification dated 10.03.17, compensation toward land compensation in respect to RoW shall be paid as per norms.

* ***Assistance/help of Forest department for timber yielding trees and Horticulture department for fruit bearing trees shall be taken for assessing the true value.***

5.3. Procedure of Tree/crop compensation

76. In exercise of the powers conferred by section 164 of the Electricity Act, 2003, Power (Electricity) Department, Govt. of Assam vide notification dated 16th March, 2016 has authorized AEGCL/APDCL to exercise all the power vested in the Telegraph Authority under part-III of the Indian Telegraph Act, 1885, to place and maintain transmission lines under over along or across and posts in or upon, any immoveable property. However, the provisions of same act in Section 10 (d) stipulates that the user agency shall pay full compensation to all interested for any damages sustained during the execution of said work. Accordingly, AEGCL & APDCL/ POWERGRID shall pay compensation to land owners towards damages, if any for tree, crop etc. during implementation of project as well as during operation and maintenance phase. The procedure followed for such compensation is as follows:

77. AEGCL/APDCL follows the principle of Avoidance, Minimization and Mitigation in the construction of line in agricultural field and cropping areas due to inherent flexibility in phasing the construction activity and tries to defer construction in cropped area to facilitate crop harvesting. However, if it is unavoidable and is likely to affect project schedule, compensation is given at

[7] Vulnerable APs include scheduled tribes residing in scheduled areas/ physically handicapped/ disabled families etc.

market rate for standing crops. All efforts are also taken to minimize the crop damage to the extent possible in such cases:

78. As regard of trees coming in the Right of Way (RoW) following procedure is adopted for enumeration:

- All the trees which are coming within the clearance belt of ROW on either side of the center line are identified and marked/numbered from one AP to the other and documented.
- Type, Girth (Measured 1 m. above ground level), approximate height of the tree is also noted for each tree
- Trees belonging to Govt., Forest, Highways and other local bodies may be separately noted down or timely follow up with the concerned authorities for inspection and removal.
- Guava, Lemon, and other hybrid trees which are not of tall growing nature are not marked for cutting since these trees can be crossed using standard tower extensions if required.

79. A notice under Electricity Act, 2003/ Indian Telegraph Act, 1885 is served to the landowners informing that the proposed transmission line is being routed through the property of the individual concerned. The notice shall contain the particulars of the land, ownership details and the details of the trees/crops/land inevitability likely to be damaged during the course of the construction of the proposed transmission line and acknowledgement received from land owners. A copy of said notice is further issued to the Revenue Officer/SDM, who has been authorized by the Assam Govt. for the purpose of assessment/valuation and disbursement of compensation to the affected parties.

80. The revenue officer shall further issue a notice of intimation to the concerned land owner and inspect the site to verify the documents related to the proof of ownership and a detailed Mouja list is prepared for the identified trees/ crops/ land for tower footing inevitability damaged during the course of the construction. For assessing the true value of timber yielding trees help of forest officials is taken and for fruit bearing trees help of Horticulture department is taken.

81. The Mouja list shall contain the land owner details, type of tree/crop, its present age, variety, yielding pattern etc. and the same is prepared at site in the presence of the land owner. These Mouja lists are further compiled and a random verification is conducted by the concerned DC or his authorized representative in order to ascertain the assessment carried out by the revenue office is genuine and correct. After this process the DC issues a tree cutting permit to AEGCL/APDCL to enable removal / damage to the standing tree/crop identified in the line corridor.

82. Once the tree/crop is removed / damaged, AEGCL/APDCL shall issue a tree cutting/crop damaged notice to the land owner with a copy to the Revenue Officer to process the compensation payment. Based on the above the compensation payment is generated by means of a computerized programme developed by the National Informatics Center exclusively for this purpose. The detailed Valuation statement thus generated using this programme is verified at various levels and approval of payment of compensation is accorded by the concerned District Collectors or Council Authority.

83. On approval of compensation, the revenue officer shall further intimate the amount payable to the different landowners and AEGCL& APDCL/POWERGRID will arrange the payment by way Cheque/online transfer to the affected parties. The payment is further disbursed at the local village office after due verification of the documents in presence of other witnesses. Process of tree/crop compensation is depicted in **Figure-5.1**.

5.4. Land Compensation for Tower Footing & RoW Corridor

84. Govt of Assam adopted the MoP guidelines of Oct.' 2015 on land compensation for tower footing and RoW Corridor on 10th March 2017 which provides for payment of 85% and 15% of land value towards compensation for land coming under tower base and line corridor respectively. Based on this, land compensation will be paid for the sub projects located in the state of Assam. However, actual payment will be made only after fixation of land rates by the concerned DC/DM. After fixation of rates by DC/DM and determination of land ownership details, payment of compensation will be made to the respective landowners to the extent of land area coming under tower/corridor.

5.5. Compensation for Structure

85. No physical displacement is envisaged in the proposed project. Displacement of structures is normally not envisaged due to flexibility of routing of transmission/distribution line. However, whenever it is necessary, compensation for structures as per entitlement matrix shall be provided **(refer Table 5.1)**. In the instant case, 01 number of small structures likely to be encountered in the right of way of proposed transmission/distribution lines. These are small sheds/small storage which are associated with the agricultural fields. People do not use these small structures/sheds for residential purpose. A notice for damage is issued to APs and the joint measurement by AEGCL & APDCL/POWERGRID and APs will be done and verified by revenue official for actual damages. The compensation will be paid to the APs as decided by committee based on state government norms. Hence, compensation is paid parallelly with the construction activity of line.

5.6. Compensation Disbursement Module

86. In order to streamline the compensation process, a disbursement module has been developed (**Table -5.2**) specifying time period with respect to various process/activities which will be implemented during the project execution.

Table 5.2: Compensation Disbursement Module

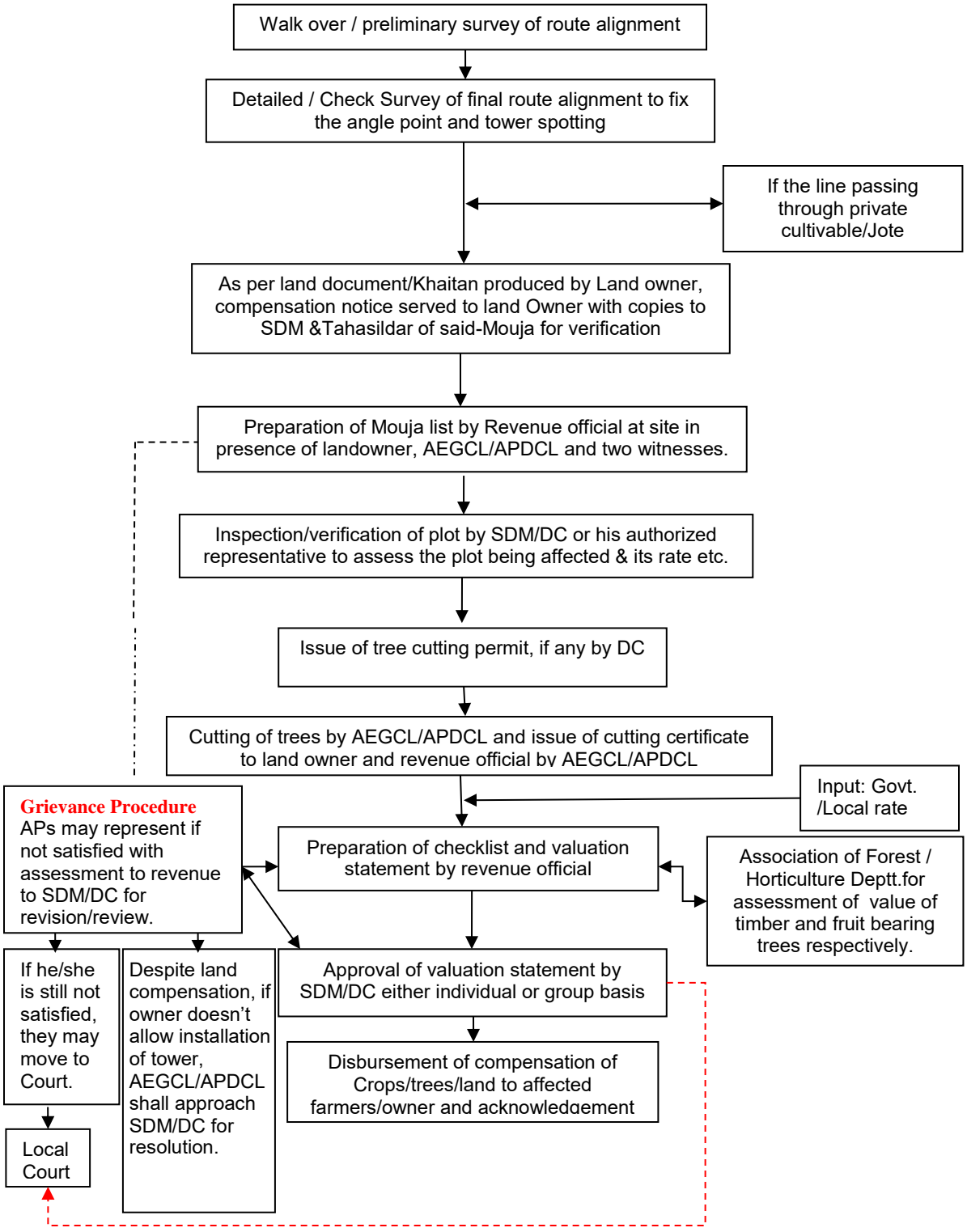
Activity/Stage	Process	Maximum Time Period from Cut-Off date
Tower Foundation/ Erection/ Stringing	Serving of Notice***(Cut-off date)***	0 date
	Verification of Ownership by Revenue Deptt.	15 days
	Assessment/Verification of damages by Revenue Deptt.	45 days
	Online disbursement*	60 days**

****Provision of advance payment up to 25% (Rs. 1 lakh maximum) of total estimated land compensation already made in the RoW guidelines of POWERGRID and may also be implemented in the NERPSIP after consent of concerned State Utilities.***

*****60 days is on maximum side. However, based on past experience it's normally concluded within 30-45 days.***

******For payment of land compensation also, the above schedule will be followed, however, the process will start only after fixation of land rates by concerned DC/DM.***

Figure-5.1: Tree / Crop Compensation Process



VI. INFORMATION DISCLOSURE, CONSULTATION & PARTICIPATION

6.1. Consultations

87. Public consultation/information is an integral part of the project implementation. Public is informed about the project at every stage of execution. During survey also AEGCL/ APDCL & POWERGRID site officials meet people and inform them about the routing of transmission and distribution lines. During the construction, every individual, on whose land tower is erected and people affected by RoW, are consulted. Apart from this, Public consultation using different technique like Public Meeting, Small Group Meeting, informal Meeting shall also be carried out during different activities of project cycle. During such consultation the public are informed about the project in general and in particular about the following;

- Complete project plan (i.e. its route and terminating point and substations, if any, in between);
- Design standards in relation to approved international standards;
- Health impacts in relation to EMF;
- Measures taken to avoid public utilities such as school, hospitals, etc.;
- Other impacts associated with transmission & distribution lines and AEGCL/ APDCL approach to minimizing and solving them;
- Trees and crop compensation process.

88. In the instant project also, group meetings were organized in all villages where the interventions are likely to happen (**Table - 6.1**). These meetings were attended by Village Panchayat members, senior/respected person of village, interested villagers/general public and representatives from AEGCL/APDCL & POWERGRID. Besides, gender issues have also been addressed to the extent possible during such consultation process (total 24 female out of 109 participants). To ensure maximum participation, prior intimation in local language was given and such notices were also displayed at prominent places/panchayat office etc. Details of above public consultation meetings including minutes of meeting, list of participants and photographs are enclosed as **Annexure -5**.

Table 6.1 Details of Consultations

Date of meeting	Venue of Meeting	No. of Persons attended	Persons Attended
Public Consultation Meeting			
18/05/2017	Jogduar Lower Primary	21	Village head, Panchayat members/

	School, Narang Pachani District - Jorhat		village headmen, project affected persons & general public etc.
27/10/2017	Naharani Lower Primary School, Sarupathar District - Golaghat	39	-Do-
16/11/2017	Hatigaon village, Misa District-Nagaon	10	-Do-
18/11/2017	Zanji Lower Primary School, Zanji District - Jorhat	18	-Do-
21/11/2017	Nora hiloidhari Lower Primary School District - Jorhat	21	-Do-

89. During consultations/interaction processes with people of the localized areas, AEGCL/ APDCL field staffs explained benefit of the project, impacts of transmission line, payment of compensation for damaged of crops, trees, huts etc. as per The Indian Electricity Act, 2003 and The Indian Telegraph Act, 1885 and measures to avoid public utilities such as schools, hospital etc. People more or less welcomed the construction of the proposed project.

90. Various issues inter alia raised by the people during public consultation and informal group meetings are as follows;

- To Involve Village headman during survey work/finalization of line corridor;
- To engage local people in various works associated with construction of line and if required proper training may be provided to engage them.
- To provide flexibility in disbursement of compensation;
- Direct payment of compensation to affected land owners and expedious disbursement of compensation.

91. AEGCL/APDCL & POWERGRID representative replied their queries satisfactorily and it was assured that compensation will be paid in time after Revenue department fixed/award the amount.

6.2. Plan for further Consultation and Community Participation during Project Implementation

92. The process of such consultation to be continued during project implementation and even during O&M stage. The progress & proposed plan for Public consultation is described in **Table 6.2**

Table 6.2: Plan for Future Consultations

S.N.	Activity	Technique	Schedule
1.	Detailed/ Check survey	Formal/Informal Meeting at different places (20-50 Km) en-route final route alignment of line	Public meeting during pre-construction stage
2.	Construction Phase	Localized group meeting, Pamphlet/Information brochures, Public display etc.	During entire construction period.
3.	O&M Phase	Information brochures, Operating field offices, Response to public enquiries, Press release etc.	Continuous process as and when required.

6.3. Information Disclosure

93. The draft/summary of CPTD will be disclosed to the affected households and other stakeholders by placing it on AEGCL & POWERGRID websites. AEGCL/APDCL & POWERGRID site officials visit construction sites frequently during construction and meet with APs and discuss about norms and practices of damages and compensation to be paid for them. A notice is also issued to APs after the detailed/ check survey and finalization of tower location during the construction. Affected persons also visit site/construction offices of AEGCL/APDCL & POWERGRID to know about the compensation norms and policies and to discuss their grievances. The executive summary of the CPTD/ Entitlement Matrix in local language will be placed at construction offices/ sites. The CPTD will be disclosed on website of World Bank, AEGCL/APDCL & POWERGRID. AEGCL/APDCL & POWERGRID will organize further public consultation meetings with the stakeholders to share the views of public and all possible clarifications. This consultation process will continue throughout the project implementation period.

VII. INSTITUTIONAL ARRANGEMENTS

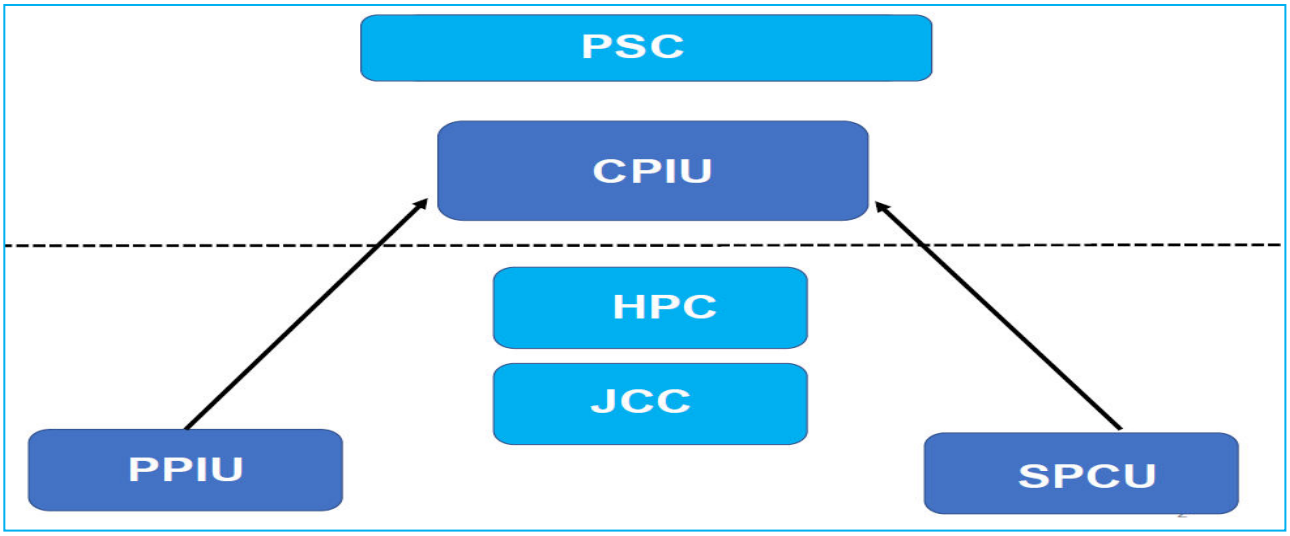
7.1 Administrative Arrangement for Project Implementation

94. Ministry of Power (MoP), GoI has appointed POWERGRID as Implementing Agency (IA) to implement the project in close coordination with the respective state power utilities and departments. POWERGRID will implement the project based on the Implementation/Participation agreements that were signed separately between POWERGRID and the power utilities. However, the ownership of the assets shall be with respective State government or State Utilities, which upon progressive commissioning shall be handed over to them for taking care of Operation and Maintenance of assets. The arrangement for monitoring and reviewing of project from the perspective of environment and social management will form part of overall arrangements for project management and implementation environment. Following implementation arrangement has been proposed at different levels for smooth implementation of this project;

Central Project Implementation Unit (CPIU) - A body responsible for coordinating the preparation and implementation of the project and shall be housed within the IA's offices at Guwahati. The "Project-In-Charge" of IA & Head of each of the SPCU shall be a member of CPIU.

State Project Coordination Unit (SPCU) – A body formed by the Utility and responsible for coordinating with IA in preparing and implementing the project at the State level. It consist of experts across different areas from the Utility and shall be headed by an officer of the rank not below Chief Engineer, from the Utility.

PMC Project Implementation Unit (PPIU) – A body formed by the IA, including members of Utility on deputation, and responsible for implementing the Project across the State, with its personnel being distributed over work site & working in close association with the SPCU/ CPIU. PIU report to State level "Project Manager" nominated by the Project-in-Charge of IA. The IA will have a Core team stationed at the CPIU on permanent basis and other IA officers (with required skills) will visit as and when required by this core team. This team shall represent IA and shall be responsible for all coordination with SPCU, PIU, within IA and MoP, GoI. CPIU shall also assist MoP, GoI in monitoring project progress and in its coordination with The Bank.



7.2. Review of Project Implementation Progress:

95. To enable timely implementation of the project/subprojects, following committee has been setup to review the progress;

A. **Joint Co-ordination Committee (JCC):** IA and SPCU nominate their representatives in a body called JCC to review the project. IA shall specify quarterly milestones or targets, which shall be reviewed by JCC through a formal monthly review meeting. This meeting forum shall be called as Joint Co-ordination Committee Meeting (JCCM). The IA shall convene & keep a record of every meeting. MoP, GoI and The Bank may join as and when needed. Minutes of the meeting will be shared with all concerned and if required, with GoI and The Bank.

B. **High Power Committee (HPC):** The Utility in consultation with its State Government shall arrange to constitute a High Power Committee (HPC) consisting of high level officials from the Utility, State/ District Administration, Law enforcement agencies, Forest Department. etc. so that various permission/ approvals/ consents/ clearances etc. are processed expeditiously so as to reach the benefits of the Project to the end consumers. HPC shall meet on bimonthly basis or earlier, as per requirement. This forum shall be called as High Power Committee Meeting (HPCM) and the SPCU shall keep a record of every meeting. Minutes of the meeting will be shared with all concerned and if required, with GoI and The Bank.

C. **Contractor's Review Meeting (CRM):** Periodic Review Meeting will be held by officials of PIU with Contractors at field offices, State Head Quarters (PIU location) and if required with core team of IA at Guwahati. These shall be called "Contractor's Review Meeting" (CRM). PIU shall

keep a record of all CRMs, which shall be shared with all concerned and if required, with GoI and The Bank.

D. A review will be held among MoP, GoI, The Bank, State Government., Utility and IA, at four (4) months interval or earlier if needed, primarily to maintain oversight at the top level and also to the bottleneck issues that require intervention at GoI/ State Government level. Minutes of the meeting shall be prepared by IA and shared with all concerned.

7.3. Arrangement for Safeguard Implementation

96. At the central project implementation level (CPIU) based at Guwahati, POWERGRID has set up an Environmental and Social Management cell (ESMC) which is headed by Senior General Manager (Sr. GM) to oversee Environmental and Social issues of the projects and to coordinate the SPCU & Site Offices.

97. At the State level, POWERGRID has already set up PPIU at the capital of each participating State. The PPIU is staffed with dedicated multidisciplinary team headed by Project Manager who is also responsible for overseeing and implementing the environmental and social aspects of project in their respective state. The PPIU team is assisted by a dedicated Field Officer (Environment & Social Management) who has been specifically recruited for this purpose by POWERGRID. Moreover, State Utilities have constituted State Project Coordination Unit (SPCU) at each state and also designated their Environmental & Social Officer within SPCU to work in close co-ordination with the PMC Project Implementation Unit of POWERGRID and CPIU team at Guwahati. Major responsibilities of Environment and Social team at State level are conducting surveys on environmental and social aspects to finalize the route/substation land, implementation Environment Management Plan (EMP)/CPTD, co-ordination with the various statutory departments, monitoring EMP/CPTD implementation and producing periodic progress reports to CPIU.

98. In the instant subprojects, POWERGRID will implement the CPTD in close co-ordination with AEGCL/APDCL which includes overall coordination, planning, implementation, financing and maintaining all databases & also work closely with APs and other stakeholders. A central database will also be maintained for regular updation of social assessment & compensation data. State Utilities & POWERGRID will ensure that local governments are involved in the CPTD implementation to facilitate smooth settlement of compensation related activities. Roles and responsibilities of various agencies for CPTD implementation are presented in **Table 7.1.**

Table 7.1: Agencies Responsible for CPTD Implementation

Activity	Agency Responsible	
	Primary	Secondary
Implementing CPTD	Field staffs of POWERGRID & AEGCL/APDCL	
Updating the CPTD	POWERGRID	AEGCL /APDCL
Review and Approval of CPTD	AEGCL /APDCL	POWERGRID
Verification survey for identification of APs	POWERGRID, AEGCL & APDCL field staffs	Revenue Officials
Survey for identification of plots for Crop/Tree/ other damages Compensation	POWERGRID, AEGCL /APDCL	Revenue Officials
Consultation and disclosure of CPTD to APs	POWERGRID, AEGCL /APDCL	Revenue officials
Compensation award and payment of compensation	Revenue Deptt / Competent Authority	POWERGRID, AEGCL /APDCL
Fixing of replace cost and assistance	Revenue Dept / Competent Authority	POWERGRID, AEGCL /APDCL
Payment of replacement cost compensation	POWERGRID, AEGCL /APDCL	Revenue Department
Takeover temporary possession of land/houses	POWERGRID, AEGCL /APDCL	Revenue Department
Hand over temporary possession land to contractors for construction	POWERGRID & AEGCL /APDCL	Contractor
Notify construction starting date to APs	POWERGRID & AEGCL /APDCL Field Staff	Contractor
Restoration of temporarily acquired land to its original state including restoration of private or common property resources	Contractor	POWERGRID, AEGCL /APDCL
Development, maintenance and updating of Compensation database	POWERGRID & AEGCL /APDCL	
Internal monitoring	POWERGRID & AEGCL /APDCL	
External monitoring, if required	POWERGRID & AEGCL /APDCL	

7.4. Responsibility Matrix to manage RoW Compensation

In order to manage the RoW compensation effectively, a Work Time Breakdown (WTB) matrix depicting sequence of activities, timing, agencies responsible have been drawn both for Tree/Crop and Land compensation which will be implemented during project execution.

a) WTB for Tree/Crop Compensation

Activities	Responsibility		Time Schedule
	Primary	Secondary	
Identification of APs (During Tower spotting & Check Survey)	Contractor	POWERGRID & AEGCL/APDCL field staffs	In 3 different Stages i.e. before start of Foundation, Erection & Stringing Works
Serving Notice to APs	POWERGRID & AEGCL/APDCL field staffs	Revenue Dept.,	0 date
Verification of ownership	POWERGRID & AEGCL/APDCL Revenue Dept.	ADC/BTC (if applicable)	0-15 days
Joint Assessment of damages	Revenue Dept. & APs	POWERGRID & AEGCL/APDCL	16-45 days
Payment (online/DD) of compensation to AP*	POWERGRID & AEGCL/APDCL		46-60 days

a) WTB for Land Compensation

Activities	Responsibility		Time Schedule
	Primary	Secondary	
Identification of APs (During Tower spotting and Check Survey)	Contractors	POWERGRID& AEGCL/APDCL field staffs	Before start of Foundation/ Erection & Stringing Works
Fixation of land rate	DC, ADC/BTC (if applicable)	POWERGRID & AEGCL/APDCL	0 date
Serving Notice to APs	POWERGRID & AEGCL/APDCL field staffs	Revenue Dept.,	0-7 days
Assessment of compensation/ Verification of ownership	Revenue Dept./ ADC/BTC,	POWERGRID& AEGCL/APDCL	8-15 days
Payment (online/DD) of compensation to AP*	POWERGRID & AEGCL/APDCL		16-30 days

**** AP can approach to DC for any grievance on compensation.***

***** Discussion for release of certain % as advance is also under progress with Utilities.***

Note: Both a and b activities shall run parallely

VIII. GRIEVANCE REDRESS MECHANISM

99. Grievance Redress Mechanism (GRM) is an integral and important mechanism for addressing/resolving the concern and grievances in a transparent and swift manner. Many minor concerns of peoples are addressed during public consultation process initiated at the beginning of the project. For handling grievance, a two tier GRM consisting of Grievance Redress Committee (GRC) have been constituted i.e. project/scheme level and Corporate/HQ level.The project level GRCs include members from AEGCL/APDCL, POWERGRID, Local Administration, Village Council/Panchayat Members, Affected Persons representative and reputed persons from the society and representative from the autonomous districts council in case of tribal districts selected/decided on nomination basis under the chairmanship of project head. The composition of GRC also disclosed in Panchayat/Village council offices and concerned district headquarter for wider coverage.

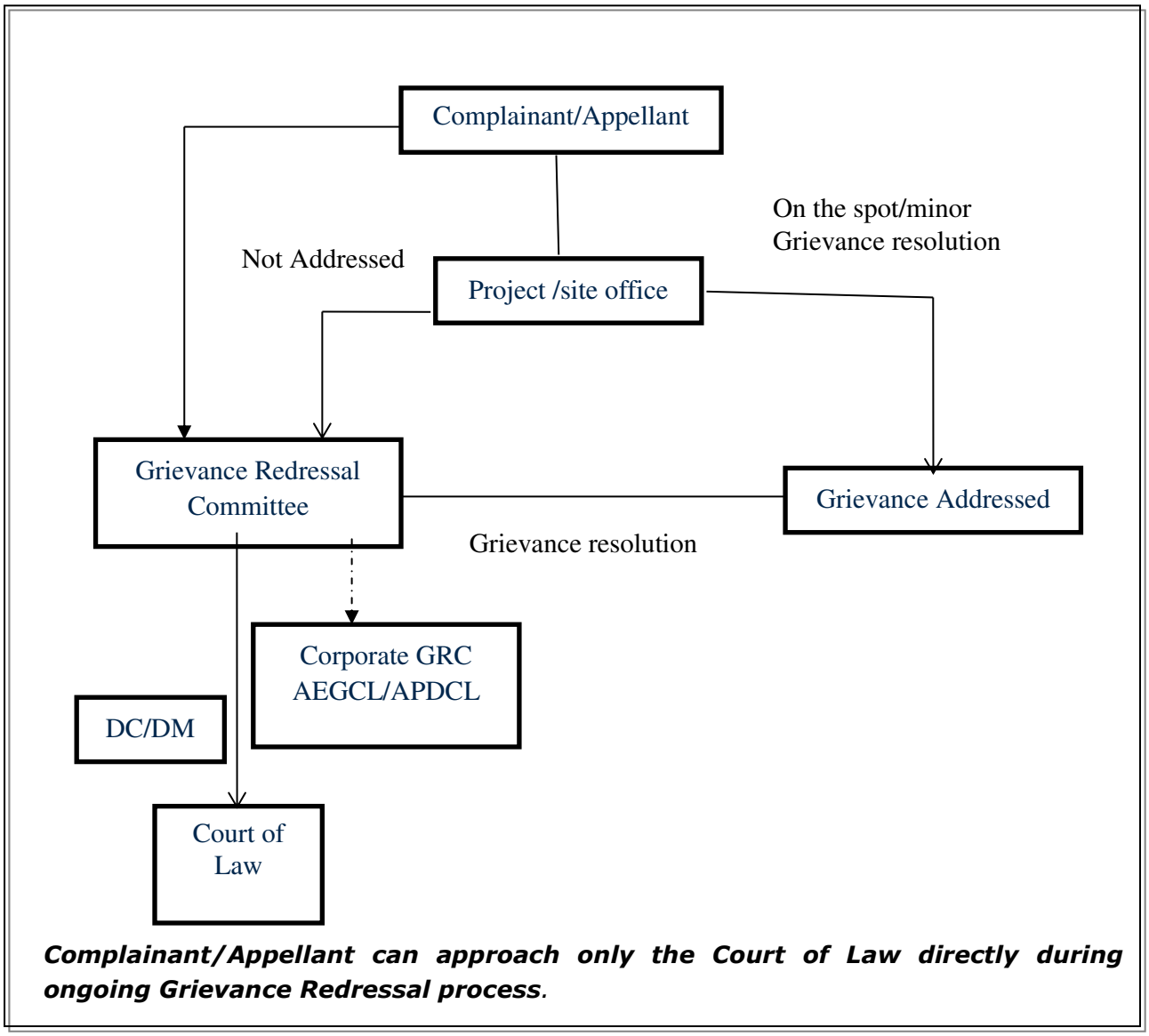
100. The complainant will also be allowed to submit its complaint to local project official who will pass it to GRC immediately but not more than 5 days of receiving such complaint. The first meeting of GRC will be organized within 15 days of its constitution/disclosure to formulate procedure and frequency of meeting. In case of any complaint, GRC meeting shall be convened within 15 days. If Project level GRC is not able to take decision it may refer the complaint to corporate GRC for solution. GRC endeavours to pronounce its decision within 30-45 days of receiving grievances. In case complainant/appellant is not satisfied with the decision of project level GRC they can make an appeal to corporate GRC for review. The proposed mechanism does not impede access to the country's judicial or administrative remedies at any stage.

101. The corporate level GRC function under the chairmanship of Director (PMU) who nominated other members of GRC including one representative from corporate ESMC conversant with the environment & social issues. The meeting of Corporate GRC shall be convened within 7-10 days of receiving the reference from project GRC or complainant directly and pronounce its decision within next 15 days.

102. Apart from above, grievance redressal is in built in crop/tree compensation process where affected persons are given a chance to place their grievances after issuance of notice by revenue officials on the basis of assessment of actual damages. Grievances received towards compensation are generally addressed in open forum and in the presence of many witnesses.

Process of spot verification and random checking by the district collector/ its authorised representative also provides forum for raising the grievance towards any irregularity/complain. Moreover, AEGCL/APDCL & POWERGRID officials also address to the complaints of affected farmers and the same are forwarded to revenue official for doing the needful. Details are depicted below in **Figure-8.1**:

Figure-8.1: Flow Chart of Grievance Redress Mechanism



Complainant/Appellant can approach only the Court of Law directly during ongoing Grievance Redressal process.

IX. BUDGET

103. The CPTD Implementation cost estimate for the project includes eligible compensation for loss of crops/ trees/ huts and support cost for implementation of CPTD, monitoring, other administrative cost etc. A budget provision has also been made for compensation for Tower Base (85% of the land cost) and RoW Corridor (15% of the land cost) as per MoP guidelines and subsequent State Govt. order. Accordingly, the cost has been estimated for proposed 220/132 kV lines only in the budget by including these provisions. However, this is a tentative budget which may change during the original course of implementation. The unit cost for the loss of crop has been derived through rapid field appraisal and based on AEGCL/APDCL & POWERGRID's previous experience of similar project implementation. Contingency provision equivalent to 3% of the total cost has also been made to accommodate any variations from this estimate. Sufficient Budget has been provided to cover all compensation towards land use restriction, crops losses, other damages etc. As per AEGCL/APDCL & POWERGRID's previous projects and with strategy for minimization of impacts, an average of 50-60% of the affected land area is expected for compensation for crops and other damages. Structure will be avoided to the extent possible. However, if any structure is affected, budget provisions are available to cover all damages as per entitlement matrix. As detailed in above paras, initial study has confirmed that no residential structure shall be affected. Therefore, provisions of budget expenditure for implementation of CPTD for the subprojects considering corridor 27 meter, 20 meter & 10 meter maximum for 220 kV, 132 kV & 33 kV line respectively.

9.1. Compensation for Land under Tower Base and along RoW Corridor

104. The land area for 132 kV tower base is estimated as 0.042 acre. Similarly, for RoW corridor the area is estimated as 7.971 acre. The cost of land is estimated @ Rs. 15 lakh/acre considering the land use type as agriculture land in rural setting. Accordingly the cost of land compensation towards tower base & RoW corridor for overhead line is thus estimated as Rs. 18.48 Lakhs. A detail of cost is given below in **Table 9.1**.

Table 9.1: Cost of Land Compensation for Tower Base & RoW Corridor

Name of Line	Line Length (Km)	Land Area for Tower Base (acre)	Land Area for RoW Corridor* (acre)	Avg. Cost of Land (Lakhs / acre)	Total in Lakhs (Tower base @ 85% & Corridor@15%)
LILO of Golaghat-Bokajan 132 kV S/C line	0.270	0.00972	1.791	15.00	4.15

at Sarupathar					
LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	0.932	0.033	6.18	15.00	14.33

**** Effective RoW corridor has been considered after excluding tower base area***

9.2. Compensation for Crops and Trees

105. The crop compensation is estimated in consultation with revenue authorities in terms of yield/hectare and rate/quantity for prevailing crops in the area. Similarly, tree compensation is calculated on basis of tree enumeration, tree species and an estimate of the yield. In case of fruit bearing trees compensation will be calculated on the basis of 8 years yield (assessed by revenue/horticulture department). Market rates of compensation are assessed by the relevant government authorities. The estimation of crop and tree damages are based on preliminary investigation and accordingly budgetary provisions are made which will be updated during implementation. Details of line wise cost is given in **Table 9.2** below.

Table 9.2: Cost of Compensation for Crops and Trees

Sl. No.	Name of the Line	Total Length (Km)	Compensation /Km (In Lakh)	Total compensation cost for Crops & trees (Lakh)
1	LILO of Golaghat-Bokajan 132 kV S/C line at Sarupathar	0.270	5.0	1.35
2	LILO of Jorhat (Gormur) – Nazira 132 kV S/C on D/C at Teok	0.932	5.0	4.66
3	33 kV line from 132/33 kV Shankardeo Nagar to 33/11 kV (New) Mailu substation	20.543	0.5	10.271
4	33 kV line from 132/33 kV Samaguri to 33/11 kV (New) Hatimurah-II Substation	19.19	0.5	9.6
5	33 kV line from 132/33 kV Teok (New) to 33/11 kV Teok (Existing) substation	5.35	0.5	2.675
6	33 kV line from 132/33 kV Teok (New) to 33/11 kV Kakojaan (Existing) substation	15.187	0.5	7.6
7	33 kV line from 132/33 kV Teok (New) to 33/11 kV Zangi (Existing) substation	6.281	0.5	3.14
8	33kV line from 132/33 kV Teok (New) to 33/11 kV Amguri (Existing) Substation	8.2	0.5	4.1
9	33 kV line from 132/33 kV	11.771	0.5	5.88

	Sarupathar (New) to 33/11 kV Barapathar (Existing) substation			
10	33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sariahjan (Existing) substation	23.449	0.5	11.72
11	33 kV line from 132/33 kV Sarupathar (New) to 33/11 kV Sarupathar (Existing) substation	5.885	0.5	2.942
Total				**63.938**

9.3. Summary of Budget

106. The total indicative cost is estimated to be **INR 93.748 Lakhs** equivalent to **USD 0.128**. Details are given in **Table 9.3**. The following estimated budget is part of complete project cost as on date. However, actual updation of the estimated cost shall be updated during execution.

Table 9.3: Summary of Budget

Item	Amount in Lakh (INR)	Amount in (Million USD)
A. Compensation		
A-1: Loss of Crops and Trees	63.938	0.087
A-2: Land Compensation for Tower Base and RoW Corridor	18.48	0.025
Sub Total-A	**82.418**	**0.112**
B: Implementation Support Cost		
B-1: Man-power involved for CPTD Implem. & Monitoring	3.60	0.005
B-2: External Monitoring, if required	5.00	0.007
Sub Total- B	**8.60**	**0.012**
Total (A+B)	**91.018**	**0.124**
Contingency (3%)	**2.73**	**0.004**
Grand Total	**93.748**	**0.128**

X. IMPLEMENTATION SCHEDULE

107. Following work schedule has been drawn for implementation of CPTD considering letter of award for execution of work placed in end of 2016. Tentative implementation schedule for project including various sub tasks presented in **Table 10.1**.

Table 10.1 Tentative Implementation Schedule

Sl. No.	Activity	1st Year				2nd Year				3rd Year			
		Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
1.	**Initial CPTD Matrix disclosure**												
2.	**Detailed Survey**												
3.	**Public Consultation**												
4.	**Compensation Plan Implementation**												
i)	Compilation of land record, ownership,												
ii)	Finalization of list of APs, fixing rate by DC												
iii)	Serving of Notice to APs												
iv)	Joint assessment &acknowledgement by APs												
v)	Validation of Compensation amount												
vi)	Compensation Payment												
5.	**Civil Works**												
6.	**Review/ Activity Monitoring**												
i)	Monthly												
ii)	Quarterly												
iii)	Half yearly												
iv)	Annual												
7.	**Grievance redress**												
8.	**CPTD Documentation**												
9.	**External Monitoring, if required**												

XI. MONITORING AND REPORTING

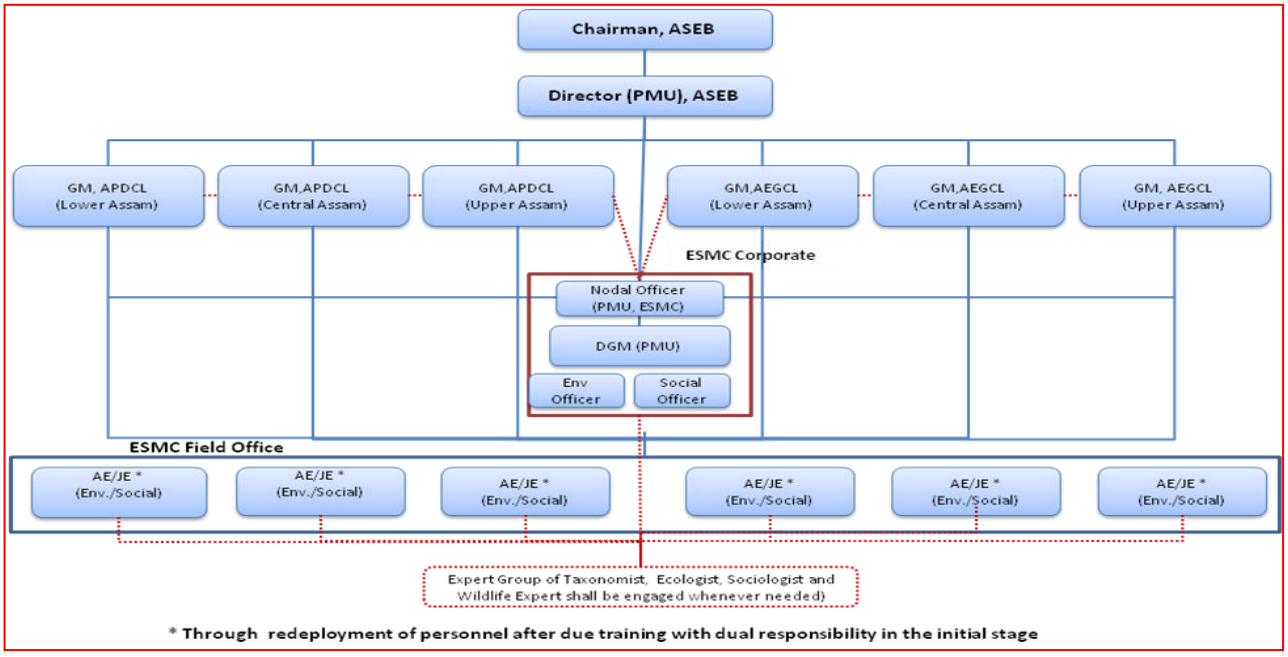
108. Monitoring is a continuous process at all stages of project. Monitoring of CPTD implementation will be the responsibility of POWERGRID as well as the State Utility.

109. Internal monitoring will include: (i) administrative monitoring: daily planning, implementation, feedback and trouble shooting, maintenance, and progress reports and (ii) socio-economic monitoring: compensation for land/crops/trees or any other damages, demolition if any, salvaging materials, dates for consultations and number of grievance/complaints received etc.. Monitoring and reports documenting progress on compensation/ implementation of CPTD will be provided by POWERGRID to World Bank for review semi-annually.

110. If required, POWERGRID/State Utility will engage the services of an independent agency/External monitoring and provisions for the same have been made in the budget component.

111. AEGCL/APDCL is well equipped to implement and monitor its environment and social management plan including CPTD. Organizational Support Structure of AEGCL/APDCL for monitoring of above is given in **Figure-11.1**.

Figure – 11.1: AEGCL/APDCL Support Structure for Safeguard Monitoring



11.1 Status of Compensation (Tree/ Crop / Land / Structures)

112. As explained in previous chapters, compensation for the loss of crops, trees, land, structure etc. are paid to Affected Persons (APs) based on actual damages in 3 different stages i.e. during foundation work, tower erection & stringing as per norms. Till Oct, 2020, works in 4 locations out of total of 10 tower locations have been completed and assessment of compensation for the same is under progress.

11.2 Status of Grievances

113. No minor or major complaints including court case has been registered till date against any of the subprojects covered under present CPTD.

ANNEXURE – 1

EVALUATION OF ALTERNATIVES ROUTE ALIGNMENT

EVALUATION OF ALTERNATIVES ROUTE ALIGNMENT

Three different alignments were studied with the help of Google Maps / published data such as Forest Atlas, Survey of India topographic sheets, etc. and walkover survey to arrive at the most optimum route to be considered for detailed survey. The comparative details of these three alternatives in respect of the proposed line are as follows;

1. Loop-in/Loop-out arrangement of existing 132 kV state owned transmission lines at Teok and Sarupathar

Since it is proposed to make Loop-In- Loop-Out (LILO) arrangement of the existing 132 kV State owned transmission lines at Teok and Sarupathar to cater the load demand in the surrounding areas and the length of LILO is also not more than 1 km, therefore, no alternative route have been explored in the instant case.

2. Shankardeonagar (existing) to Mailu (new) 33 kV Line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	**Route particulars**			
i.	Route Length (km)	20.543	19.56	18.48
ii.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	**Environmental impact**			
i.	Name of District through which the line passes	Nagaon & Karbi Anglong	Nagaon & Karbi Anglong	Nagaon & Karbi Anglong
ii.	Town in alignment	No major towns. Lanka & Sankarnagar are nearby semi-urban areas	No major towns. Lanka & Sankarnagar are nearby semi-urban areas	No major towns. Lanka & Sankarnagar are nearby semi-urban areas
iii.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
iv.	Forest involvement (km)	Nil	Nil	Nil
v.	Type of Forest (RF/PF/Mangrove)and whether part of Wildlife Area/ Elephant corridor / Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
vi.	Density of Forest	NA	NA	NA
vii.	Type of flora	Tea(*Camellia sinensis*), Bamboo (*Bambusa balcooa*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)

S.N	Description	Alternative-I	Alternative-II	Alternative-III
viii.	Type of fauna	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found
ix.	Endangered species, if any	Nil	Nil	Nil
x.	Historical/cultural Monuments, if any	Nil	Nil	Nil
3	**Compensation Cost**			
i.	Crop (Non Forest)	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km
ii.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	**Major Crossings:**			
i.	Highway (NH/SH)	2	3	3
ii.	Power Line (Nos.)	Nil	Nil	Nil
iii.	Railway Line (Nos.)	Nil	Nil	Nil
iv.	River Crossing (Nos.)	Nil	Nil	Nil
5.	**Overall remarks**	Although the line length is more than Alt-II & III, this route preferred due to good accessibility through NH 54 and Lanka-Mailu PWD road	Shortest in line length but not easily accessible due to route is little away existing roads.	Relatively more line length as compared as Alt-II

From the above comparison of the three different alternatives, it is evident that although the route length of Alt.-I is more than Alt.-II & III, the route is preferred for better accessibility as the major portion of line is passing along NH 54 up to Lanka town and remaining part is routed along the Lanka-Mailu PWD road. As lesser degree of environmental impacts as well as construction and O&M problems is anticipated as compared to other alternatives, **Alternative-I** is considered as the most optimized route and recommended for detailed survey.

3. Samaguri (existing) to Hathimurah-II (new) 33 kv line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	**Route particulars**			
i.	Route Length (km)	19.19	20.62	21.24
ii.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	**Environmental impact**			
i.	Name of District through which the line passes	Nagaon	Nagaon	Nagaon

S.N	Description	Alternative-I	Alternative-II	Alternative-III
ii.	Town in alignment	No major towns Samaguri, Misa are nearby semi-urban areas	No major towns Samaguri, Misa are nearby semi-urban areas	No major towns Samaguri, Misa are nearby semi-urban areas
iii.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
iv.	Forest involvement (km)	Nil	Nil	Nil
v.	Type of Forest (RF/PF)and whether part of Wildlife Area/ Elephant corridor/ Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
vi.	Density of Forest	NA	NA	NA
vii.	Type of flora	Tea(*Camellia sinensis*), Bamboo (*Bambusa balcooa*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)
viii.	Type of fauna	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found
ix.	Endangered species, if any	Nil	Nil	Nil
x.	Historical/cultural Monuments, if any	Nil	Nil	Nil
xi.	Any other relevant information	Route is mostly passing along with the NH- 37	50 % route is passing through Tea Gardens	50 % route is passing through Tea Gardens
3	**Compensation Cost**			
i.	Crop (Non Forest)	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km
ii.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	**Major Crossings:**			
i.	Highway (NH/SH)	3	2	3
ii.	Power Line (Nos.)	Nil	Nil	Nil
iii.	Railway Line (Nos.)	Nil	Nil	Nil

S.N	Description	Alternative-I	Alternative-II	Alternative-III
iv.	River Crossing (Nos.)	Nil	Nil	Nil
5.	**Overall remarks**	Shorter in length and easier access as it is routed along NH- 37.	Relatively more line length and difficulty in accessibility as compared to Alt-1.	Line length is longer than Alt.-I & II

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- I is found to be shortest route involving minimum tree felling and is easily accessible due to its proximity to existing village/state roads as compared to other two alternatives. As lesser degree of environmental impacts as well as construction and O&M problems is anticipated, **Alternative-I** is considered as the most optimized route and recommended for detailed survey.

4. Sarupathar(new) to Sariajhan (existing) 33 kV Line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	**Route particulars**			
i.	Route Length (km)	23.449	25.64	24.46
ii.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	**Environmental impact**			
i.	Name of District through which the line passes	Golaghat	Golaghat	Golaghat
ii.	Town in alignment	No major towns Sariajhan and Sarupathar are nearby semi urban areas	No major towns Sariajhan and Sarupathar are nearby semi urban areas	No major towns Sariajhan and Sarupathar are nearby semi urban areas
iii.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
iv.	Forest involvement (km)	Nil	Nil	Nil
v.	Type of Forest (RF/PF)and whether part of Wildlife Area/ Elephant corridor /Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
vi.	Density of Forest	NA	NA	NA
vii.	Type of flora	Tea(*Camellia sinensis*), Bamboo (*Bambusa balcooa*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)	Tea(*Camellia sinensis*), Bamboo (*Bambusa vulgaris*), Paddy(*Oryza sativa)* Banana (*Musa acuminate*), Pineapple (*Ananas comosus*), & Betel nut (*Areca catechu*)

S.N	Description	Alternative-I	Alternative-II	Alternative-III
viii.	Type of fauna	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found	Assamese Macaque (*Macaca assamensis*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Asian Toad(*Bufo melanostictus) and common fauna like* Fox, Monkey also found
ix.	Endangered species, if any	Nil	Nil	Nil
x.	Historical/cultural Monuments, if any	Nil	Nil	Nil
3	**Compensation Cost**			
i.	Crop (Non Forest)	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km	Provision @ 0.5 Lakhs/km
ii.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	**Major Crossings:**			
i.	Highway (NH/SH)	Nil	Nil	Nil
ii.	Power Line (Nos.)	Nil	Nil	Nil
iii.	Railway Line (Nos.)	Nil	Nil	Nil
iv.	River Crossing (Nos.)	1	1	1
5.	**Overall remarks**	Shortest in line length and easier in accessibility as it is routed along existing state/ village roads	Line length is longest and not easily accessible as the route away from existing roads	Relatively more line length and difficulty in accessibility as compared to Alt-1.

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- I is found to be shortest route and is easily accessible due to its proximity to existing approach roads as compared to other two alternatives. Hence, lesser degree of environmental impacts like minimum tree felling and construction and operational problems are anticipated. Hence, **Alternative - I** is considered as the most optimized route and recommended for detailed survey.

ANNEXURE – 2

MOP GUIDELINES DATED 15TH OCT.'15 FOR PAYMENT OF COMPENSATION FOR TRANS LINE

No.3/7/2015-Trans
Government of India
Ministry of Power
Shram Shakti Bhawan
Rafi Marg, New Delhi – 110001

Dated, 15th October, 2015

To

1. Chief Secretaries/Administrators of all the States/UTs
   (As per list attached)
2. Chairperson, CEA, New Delhi with the request to disseminate the above guidelines to all the stakeholders.
3. CMD, PGCIL, Gurgaon.
4. CEO, POSOCO, New Delhi.
5. Secretary, CERC, New Delhi.
6. CMD of State Power Utilities/SEBs

Subject: Guidelines for payment of compensation towards damages in regard to Right of Way for transmission lines.

During the Power Ministers Conference held on April 9-10, 2015 at Guwahati with States/UTs, it has, *inter alia*, been decided to constitute a Committee under the chairmanship of Special Secretary, Ministry of Power to analyse the issues related to Right of Way for laying of transmission lines in the country and to suggest a uniform methodology for payment of compensation on this count. Subsequently, this Ministry had constituted a Committee with representatives from various State Governments and others. The Committee held several meetings to obtain the views of State Governments on the issue and submitted its Report along with the recommendations (copy of the Report is at **Annex-1**).

2. The Recommendations made by the Committee are hereby formulated in the form of following guidelines for determining the compensation towards "damages" as stipulated in section 67 and 68 of the Electricity Act, 2003 read with Section 10 and 16 of Indian Telegraph Act, 1885 which will be in addition to the compensation towards normal crop and tree damages. This amount will be payable only for transmission lines supported by a tower base of 66 KV and above, and not for sub-transmission and distribution lines below 66 KV:-

(i) Compensation @ 85% of land value as determined by District Magistrate or any other authority based on Circle rate/ Guideline value/ Stamp Act rates for tower base area (between four legs) impacted severely due to installation of tower/pylon structure;

(ii) Compensation towards diminution of land value in the width of Right of Way (RoW) Corridor due to laying of transmission line and imposing certain restriction would be decided by the States as per categorization/type of land in different places of States, subject to a maximum of 15% of land value as determined based on Circle rate/ Guideline value/ Stamp Act rates;

(iii) In areas where land owner/owners have been offered/ accepted alternate mode of compensation by concerned corporation/ Municipality under Transfer Development Rights (TDR) policy of State, the licensee /Utility shall deposit compensation amount as per (i) & (ii) above with the concerned Corporation/ Municipality/ Local Body or the State Government.

(iv) For this purpose, the width of RoW corridor shall not be more than that prescribed in the table at **Annex-2**and shall not be less than the width directly below the conductors.

3. Necessary action may kindly be taken accordingly. These guidelines may not only facilitate an early resolution of RoW issues and also facilitate completion of the vital transmission lines through active support of State/ UT administration.

4. All the States/UTs etc. are requested to take suitable decision regarding adoption of the guidelinesconsidering that acquisition of land is a State subject.

Yours faithfully,

Jyoti Arora.

(Jyoti Arora)
Joint Secretary (Trans.)
Tele: 011-2371 0389

Copy, along with enclosure, forwarded to the following:

1. Secretaries of Government of India (Infrastructure Ministries/Deptt including MoEF - As per attached list)
2. Prime Minister's Office (Kind Attn: Shri Nripendra Mishra, Principal Secretary to PM).
3. Technical Director, NIC, Ministry of Power with the request to host on the website of Ministry of Power.

Copy to PS to Hon'ble MoSP (IC) / Secretary (Power) / AS (BNS) / AS (BPP) / All Joint Secretaries/EA/ All Directors/DSs, Ministry of Power.

ANNEXURE – 3

GOVT. OF ASSAM NOTIFICATION DATED 16TH MARCH 2016 ON ROW COMPENSATION

GOVERNMENT OF ASSAM
POWER (ELECTRICITY) DEPARTMENT
DISPUR, GUWAHATI - 6

NOTIFICATION

Dated Dispur the 10th March, 2017

No. PEL.219/2015/91 : The Governor of Assam is pleased to notify the following rates for payment of compensation towards damages in regard to Right of Way for transmission lines. In accordance with the Guidelines of Ministry of Power, Govt. of India, vide Ref. No. 03/07/2015-Trans, dtd. 15.10.2015 for maintaining uniformity in compensation payment to the affected land owners during construction of transmission lines, it has been decided that a similar payment methodology towards compensation shall also be adopted in the State of Assam. These guidelines of payment methodology of compensation towards "damages" as stipulated in Section 67 & 68 of the Electricity Act, 2003 read with Section 10 and 16 of Indian Telegraph Act 1885 shall be in addition to the compensation towards normal crop and tree damages. This amount will be payable only for transmission lines supported by tower base of 66 KV and above, and not for sub-transmission and distribution lines below 66KV.

- Compensation @85% of land value as determined by Deputy Commissioner / BTC or any other competent authority based on Circle rate / Guideline value / Stamp Act rates for tower base area (between four legs at ground level) impacted severely due to installation of tower / pylon structure.

- Compensation towards diminution of land value in the width of Right of Way (ROW) corridor due to laying of transmission line and imposing certain restriction at a maximum rate of 15% of land value as determined by Deputy Commissioner or any other competent authority based on Circle rate / Guideline value / Stamp Act rates.

  For this purpose, the width of ROW corridor shall not be more than that prescribed in table at Annexure-I and shall not be less than the width directly below the conductors.

- In areas where land owner / owners have been offered / accepted alternate mode of compensation by concerned corporation / Municipality under Transfer Development Rights (TDR) policy of State, the licensee/utility shall deposit compensation amount as per (i) & (ii) above with the concerned Corporation / Municipality / Local Body or the State Government.

The above guidelines shall be effective from the date of issuance of the above mentioned Government of India guidelines and shall be applicable for only those new transmission line / projects where construction have started after this date, i.e. 15.10.2015. This guideline shall not be applicable for existing transmission lines which are already in service or under construction before the aforesaid date, or for maintenance of any existing transmission line.

Annexure -I

ROW width for different voltage line*

Transmission Voltage	Width of Right of Way (in Meters)
66KV	18
110 KV	22
132KV	27
220 KV	35
400KV S/C	46
400KV D/C	46
+/-500KV HVDC	52
765 KV S/C (with delta configuration)	64
765 KV D/C	67
+/-800KV HVDC	69
1200 KV	89

* Width of Right of Way is as per Ministry of Environment & Forests (MoEF) guidelines dtd. 05.05.2014.

This issues with the concurrence of Revenue & Disaster Management Department, Govt. of Assam, as well as the Finance Department, Govt. of Assam.

-Sd/-

(Sri. Rajiv Kr. Bora, I.A.S.)
Additional Chief Secretary to the Govt. of Assam,
Power (Electricity), etc. Department

Memo No.PEL.219/2015/91-A Dated Dispur the 10th March, 2017

Copy to:

(1) The Managing Director, Assam Electricity Grid Corp. Ltd. (AEGCL), Bijulee Bhawan, Guwahati – 1
(2) The Executive Director, Power Grid Corp. of India Ltd. (PGCIL), Monal Tower, Dispur, Guwahati - 6
(3) P.S. to Hon'ble Chief Minister, Assam, Dispur, Guwahati - 6
(4) P.S. to Hon'ble Minister of State, Assam, Power, etc., Dispur, Guwahati - 6
(5) P.S. to the Addl. Chief Secretary to the Govt. of Assam, Revenue & Disaster Management Department, Department, Dispur, Guwahati - 6
(6) P.S. to the Chairman, APDCL, AEGCL, APGCL, Bijulee Bhawan, Guwahati – 1
(7) P.S. to Secretary to the Govt. of Assam, Power (Elect.), etc. Department, Dispur, Guwahati-6
(8) The Director, Assam Government Press, Bamunimaidam, Guwahati-21, Assam, for necessary action.

By order etc.,

Joint Secretary to the Govt. of Assam,
Power (Elect.) Deptt.

ANNEXURE – 4

DETAILS OF TOWER/POLE SCHEDULE OF PROPOSED LINES ROUTE ALIGNMENT

POWER GRID CORPORATION OF INDIA LTD.
LILO 132 KV S/C GOLAGHAT -BOKAJAN AT SARUPATHAR T/L
M/s SIMPLEX INFRASTRUCTURES LIMITED
DETAILS SURVEY TOWER SCHEDULE FOR THE SECTION - AP-1 (ONLINE TOWER)TO GANTRY(0.270KM)

Sl.No.	AP NO.	LOCATION NO.	TOWER TYPE	EXT	Angle of Deviation	Span Length (m)	Section Length (m)	Reduced Level (m)	ADJ. SPAN (m)	Wind Span (m)	Hot Weight Span (m)			Cold Weight Span (m)			UTM COORDINATE		VILLAGE NAME	REMARKS
											Left	Right	Total	Left	Right	Total	latitude	Longitude		
1	AP-1/0 ONLINE TOWER	AP-1/0	DD+03	3	00°00'00"			117.59	65.00			117.00	117.00		194.00	194.00	26°11'41.84"N	93°54'4.94"E	IKARANI	ONLINE AUX-BOX CROSS ARM TOWER
						65.00														U/C 33 KV LINE
2	AP-2/0(D/E)	2/0	DD+00	0	83°34'22"LT		65.00	117.59	225.00	112.50	-52.00	81.00	29.00	-129.00	84.00	-45.00	26°11'41.70"N	93°54'7.46"E	IKARANI	AUX-BOX CROSS ARM TOWER
						160.00														
3	AP-3/0 (D/E)	3/0	DD+00	0	2°6'13"(LT)		160.00	117.324	205.00	102.50	75.00	34.00	109.00	72.00	44.00	116.00	26°11'46.53"N	93°54'8.65"E	IKARANI	
						45.00														
4	GANTRY	GANTRY		0	00°00'00"		45.00	117.61	40.00		11.00	-	11.00	1.00	-	1.00	26°11'47.83"N	93°54'8.84"E	IKARANI	
									TOTAL LENGTH= 0.270KM											

TOWER ABSTRACT

TOWER TYPE	±0m	+3m	+6m	+9m	+18m	+25m	TOTAL
DA	0	0	0	0	0	0	0
DB	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0
DD	2	1	0	0	0	0	3
TOTAL							3

SIMPLEX INFRASTRUCTURES LIMITED		
SURVEYED BY	CHECKED BY	SUBMITTED BY
S. Bera	S. Bera	Mohan Kr. Pandit Project Manager Simplex Infrastructures Ltd. TW07, PGCIL, Guwahati- 781007

POWER GRID CORPORATION OF INDIA LTD.		
CHECKED BY	RECOMMENDED BY	APPROVED BY
	Checked and found in order. Recommend for approval. 02/04/19 दि. दास / D. Das अभियंता / Engineer एन.इ.आर.पि.एस.आइ.पि./NERPSIP पावरग्रिड/POWERGRID	Approved 02/04/19 दि.दि. मिश्र / D. D. Misra ब. उप महाप्रबंधक/Sr. Dy. Gen. Manager एन.इ.आर.पि.एस.आइ.पि./NERPSIP पावरग्रिड/POWERGRID सरूपथार / Sarupathar

SIMPLEX INFRASTRUCTURES LIMITED * C-3269

POWER GRID CORPORATION OF INDIA LTD.
LILO 132 KV S/C JHORHAT -NAZIRA AT TEOK T/L
M/s SIMPLEX INFRASTRUCTURES LIMITED
TOWER SCHEDULE FOR THE SECTION - TAPPING TOWER(AP-108) TO GANTRY(0.932KM) (DETAILS SURVEY)

Sl.No.	AP NO.	LOCATION NO.	TOWER TYPE	EXT	Angle of Deviation	Span Length (m)	Section Length (m)	Reduced Level (m)	ADJ. SPAN (m)	Wind Span (m)	Hot Weight Span (m)			Cold Weight Span (m)			UTM COORDINATE		VILLAGE NAME	REMARKS
											Left	Right	Total	Left	Right	Total	latitude	Longitude		
1	TAPPING TOWER NO-108	TAPPING TOWER NO - 108		0	00°00'00"			93.89	42.00	21.00		-87.00	-87.00		-185.00	-185.00	26°50'5.70"	94°28'0.04"	KALIYAPANI	
						42.00														NALA
2	AP-1/0(D/E)	1/0	DD+03	3	18°52'15" (RT)		42.00	93.36	331.00	165.50	129.00	104.00	233.00	227.00	66.00	293.00	26°50'7.00"	94°28'0.02"	KALIYAPANI	
						289.00														5NOS NALA, 33 KV LINE, TEA GARDEN
3	AP-2/0	2/0	DD+09	9	10°56'40" (LT)		289.00	93.8	492.00	246.00	185.00	129.00	314.00	223.00	154.00	377.00	26°50'16.44"	94°28'1.26"	KALIYAPANI	
						203.00														POND, 2NOS 11KVLINE&LT LINE, NH-37(JHORAT TO SHIBSAGAR), NALA, TEA
4	AP-3/0	3/0	DD+06	6	6°15'55" (LT)		203.00	93.75	346.00	173.00	74.00	155.00	229.00	49.00	232.00	281.00	26°50'22.98"	94°28'0.51"	KALIYAPANI	
						143.00														NALA
5	AP-4/0	4/0	DD+00	0	56°32'30" (LT)		143.00	93.21	202.00	101.00	-12.00	-110.00	-122.00	-89.00	-237.00	-326.00	26°50'27.28"	94°27'59.55"	KALIYAPANI	
						59.00														NALA, LOW LAND AREA
6	AP-5/0	5/0	DD+06	6	51°49'21" (LT)		59.00	91.70	140.00	70.00	169.00	145.00	314.00	296.00	241.00	537.00	26°50'28.18"	94°27'57.43"	KALIYAPANI	PROPOSED SHALLOW FOUNDATION
						81.00														POND, LOW LAND AREA
7	AP-6/0	6/0	DD+00	0	54°59'55" (LT)		81.00	93.08	156.00	78.00	-64.00	27.00	-37.00	-160.00	17.00	-143.00	26°50'26.90"	94°27'55.02"	KALIYAPANI	
						75.00														TEA GARDEN
8	AP-7/0 (D/E)	7/0	DD+00	0	13°52'55" (LT)		75.00	93.51	115.00	57.50	48.00	-57.00	-9.00	58.00	-128.00	-70.00	26°50'24.73"	94°27'54.96"	KALIYAPANI	
						40.00														S/S BOUNDARY WALL
9	GANTRY	GANTRY	GANTRY	0	00°00'00"		40.00	95.20			97.00		97.00	168.00		168.00	26°50'23.39"	94°27'55.27"	KALIYAPANI	
									TOTAL LENGTH= 0.932 KM											

TOWER ABSTRACT

TOWER TYPE	±0m	+3m	+6m	+9m	+18m	+25m	TOTAL
DA	0	0	0	0	0	0	0
DB	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0
DD	3	1	2	1	0	0	7
TOTAL							7

SIMPLEX INFRASTRUCTURES LIMITED

SURVEYED BY	CHECKED BY	SUBMITTED BY
Biswajit Shit, Surveyor	(Soumik Bagchi) (Engineer)	Mohan Kr Pandit, Project Manager, Simplex Infrastructures Ltd. TW07, PGCIL, Guwahati- 781007

Asstt. General Manager T&T Division, AEGCL Garamur, Jorhat-7
20/12/2018

POWER GRID CORPORATION OF INDIA LTD.

CHECKED BY	RECOMMENDED BY	APPROVED BY
(Ganesh Swaroop) Asst. Manager	19.12.18	S. N. DEY DGM- TEOK 19.12.18

ANNEXURE - 2

Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Teok Substation. Route-1 (Final)

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
1	GANTRY	FP-1	42 m	Existing 33/11kV Teok S/s	
2	FP-1	DP-1	47 m	Paddy Land	
3	DP-1	DP-2	49 m	Paddy Land	
4	DP-2	DP-3	46 m	Paddy Land	
5	DP-3	DP-4	47 m	Paddy Land	
6	DP-4	DP-5	45 m	Paddy Land	
7	DP-5	DP-6	45 m	Paddy Land	
8	DP-6	DP-7	47 m	Paddy Land	
9	DP-7	DP-8	43 m	Paddy Land	
10	DP-8	DP-9	35 m	Paddy Land	
11	DP-9	DP-10	50 m	Paddy Land	
12	DP-10	DP-11	50 m	Paddy Land	
13	DP-11	DP-12	46 m	Paddy Land	
14	DP-12	DP-13	46 m	Paddy Land	
15	DP-13	DP-14	49 m	Paddy Land	
16	DP-14	DP-15	50 m	Paddy Land	
17	DP-15	DP-16	46 m	Paddy Land	
18	DP-16	DP-17	49 m	Paddy Land	
19	DP-17	DP-18	46 m	Paddy Land	
20	DP-18	DP-19	50 m	Paddy Land	
21	DP-19	DP-20	46 m	Paddy Land	
22	DP-20	DP-21	43 m	Paddy Land	
23	DP-21	DP-22	43 m	Paddy Land	
24	DP-22	DP-23	37 m	Paddy Land	
25	DP-23	DP-24	42 m	Paddy Land	
26	DP-24	DP-25	49 m	Paddy Land	
27	DP-25	DP-26	45 m	Paddy Land	
28	DP-26	DP-27	50 m	Paddy Land	
29	DP-27	DP-28	46 m	Paddy Land	
30	DP-28	DP-29	47 m	Paddy Land	
31	DP-29	DP-30	52 m	Paddy Land	
32	DP-30	DP-31	50 m	Paddy Land	
33	DP-31	DP-32	50 m	Tea Garden Area	
34	DP-32	DP-33	47 m	Tea Garden Area	
35	DP-33	DP-34	47 m	Tea Garden Area	
36	DP-34	DP-35	47 m	Tea Garden Area	
37	DP-35	DP-36	50 m	Tea Garden Area	
38	DP-36	DP-37	50 m	Tea Garden Area	
39	DP-37	DP-38	50 m	Tea Garden Area	
40	DP-38	DP-39	47 m	Tea Garden Area	
41	DP-39	DP-40	36 m	Tea Garden Area	
42	DP-40	DP-41	36 m	Existing 33/11kV Teok S/s	
43	DP-41	DP-42	20 m	Paddy Land	
44	DP-42	DP-43	50 m	Paddy Land	
45	DP-43	DP-44	47 m	Paddy Land	
46	DP-44	DP-45	47 m	Paddy Land	
47	DP-45	DP-46	44 m	Paddy Land	
48	DP-46	DP-47	44 m	Paddy Land	
49	DP-47	DP-48	47 m	Paddy Land	
50	DP-48	DP-49	49 m	Paddy Land	

Sett. General Manager
Teok Electrical Division
APDCL, Teok

जि. गणेश स्वामी
G. GANESH SWA
पावरग्रिड

जि. नि. ८४५५

29/7/17

सम्भु नारायण दे
S.N. DEY, CHIEF MANAGER

Sub-Divisional Engineer
Teok Electrical Sub-Division

ANNEXURE - 2

Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Teok Substation

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
51	DP-49	DP-50	47 m	Paddy Land	
52	DP-50	DP-51	49 m	Paddy Land	
53	DP-51	DP-52	47 m	Paddy Land	
54	DP-52	DP-53	49 m	Paddy Land	
55	DP-53	DP-54	43 m	Paddy Land	
56	DP-54	DP-55	49 m	Paddy Land	
57	DP-55	DP-56	49 m	Paddy Land	
58	DP-56	DP-57	47 m	Paddy Land	
59	DP-57	DP-58	46 m	Paddy Land	
60	DP-58	DP-59	49 m	Paddy Land	
61	DP-59	DP-60	49 m	Paddy Land	
62	DP-60	DP-61	49 m	Paddy Land	
63	DP-61	DP-62	48 m	Paddy Land	
64	DP-62	DP-63	49 m	Paddy Land	
65	DP-63	DP-64	49 m	Paddy Land	
66	DP-64	DP-65	43 m	Paddy Land	
67	DP-65	DP-66	44 m	Paddy Land	
68	DP-66	DP-67	44 m	Paddy Land	
69	DP-67	DP-68	38 m	Paddy Land	
70	DP-68	DP-69	39 m	Paddy Land	
71	DP-69	DP-70	49 m	Paddy Land	
72	DP-70	DP-71	48 m	Paddy Land	
73	DP-71	DP-72	46 m	Paddy Land	
74	DP-72	DP-73	48 m	Tea Garden Area	
75	DP-73	DP-74	48 m	Tea Garden Area	
76	DP-74	DP-75	47 m	Tea Garden Area	
77	DP-75	DP-76	48 m	Tea Garden Area	
78	DP-76	DP-77	48 m	Tea Garden Area	
79	DP-77	DP-78	49 m	Tea Garden Area	
80	DP-78	DP-79	55 m	Tea Garden Area	
81	DP-79	DP-80	50 m	Paddy Land	
82	DP-80	DP-81	43 m	**Road Crossing**	
83	DP-81	DP-82	44 m	Tea Garden Area	
84	DP-82	DP-83	45 m	Tea Garden Area	
85	DP-83	DP-84	45 m	Paddy Land	
86	DP-84	DP-85	44 m	Paddy Land	
87	DP-85	DP-86	44 m	Paddy Land	
88	DP-86	DP-87	44 m	Paddy Land	
89	DP-87	DP-88	46 m	Paddy Land	
90	DP-88	DP-89	45 m	Paddy Land	
91	DP-89	DP-90	22 m	**Road Crossing**	
92	DP-90	DP-91	40 m	Private Land	**Tree Cutting Required**
93	DP-91	DP-92	26 m	Private Land	
94	DP-92	DP-93	37 m	Private Land	
95	DP-93	DP-94	41 m	Private Land	
96	DP-94	DP-95	47 m	Private Land	
97	DP-95	DP-96	49 m	Private Land	
98	DP-96	DP-97	42 m	Private Land	
99	DP-97	DP-98	41 m	Private Land	

Asstt. General Manager
Teok Electrical Division
APDCL, Teok

G. GANESH SWAROOP, ASST. MANAGER
पावरग्रिड, एन.ई.आर.पी.एम.आर.
POWERGRID, NERPSIP

S.N. DEY, CHIEF MANAGER
पावरग्रिड, एन.ई.आर.पी.एम.आर.पी.ग्रिड

Sub-Divisional Engineer
Teok Electrical Sub-Division
APDCL, Teok

Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Teok Substation

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
100	DP-98	DP-99	41 m	Private Land	
101	DP-99	DP-100	35 m	Private Land	
102	DP-100	DP-101	49 m	Private Land	
103	DP-101	DP-102	39 m	Private Land	
104	DP-102	FP-2	33 m	Private Land	
105	FP-2	DP-103	34 m	Private Land	
106	DP-103	DP-104	38 m	Private Land	
107	DP-104	DP-105	31 m	Private Land	
108	DP-105	DP-106	50 m	Private Land	
109	DP-106	DP-107	44 m	Private Land	
110	DP-107	DP-108	48 m	Private Land	
111	DP-108	DP-109	44 m	Private Land	
112	DP-109	DP-110	46 m	Private Land	
113	DP-110	DP-111	30 m	Substation Area	
114	DP-111	DP-112	30 m	Substation Area	
115	DP-112	FP-3	31 m	Substation Area	
116	FP-3	DP-113	36 m	Substation Area	
117	DP-113	DP-114	41 m	Substation Area	
118	DP-114	DP-115	43 m	Substation Area	
119	DP-115	FP-4	39 m	Substation Area	
120	FP-4	DP-116	28 m	Substation Area	
121	DP-116	FP-5	30 m	Substation Area	
122	FP-5	GANTRY	16 m	Proposed 132/33KV S/s	

जि.गणेश स्वरूप, सहायक अभियन्ता
G. GANESH SWAROOP, ASSTT. ENGINEER
पावरग्रिड, एन.ई.आर.पि.एस.आइ.पि.टीयक
POWERGRID, NERPSIP, TEOK

29/7/17
सम्भु नारायण दे, मुख्य प्रबंधक
S.N. DEY, CHIEF MANAGER
पावरग्रिड, एन.ई.आर.पि.एस.आइ.पि.टीयक
POWERGRID, NERPSIP, TEOK

Sub-Divisional Engineer
Teok Electrical Sub-Division
APDCL, Teok

C/S

Dy. General Manager
Teok Electrical Division
APDCL, Teok

Annexure-1

POLE SCHEDULE

132kV S/S TEOK TO Kakojan (EXSISTING) LINE

CLIENT: POWR GRID CORPORATION OF INDIA LIMITED

CONTRACTOR: M/S STERLING AND WILSON PVT. LTD.KOLKATA.WEST

LOA Ref. No.: 1.CC-CS/94-NER/REW-3081/1/G10/CA-I/7117 -Supply
2.CC-CS/94-NER/REW-3081/1/G10/CA-II/7118 -Services

PACKAGE: ASM-DMS-02

PACKAGE:ASM- ASM-DMS-02

SL. No.	Angle Point	Loc. No	Pole Type	Extn.	Angle of Deviation	Span Length (m)	Cumm. Span (m)	Co-Ordinates		Descriptionof Land	Crossing Details	Village Name	Remarks
								Latitude	Longitude				
1		GANTRY	GANTRY					26 47 17.2	94 19 27.7	Paddy Field/Private Land			
2						9							
3	AP-1	FP-1	Four Pole		88°27'39"		9	26 47 17.0	94 19 27.4	Paddy Field/Private Land			
4						50	9						
5	AP-2	DP-1	Double Pole		38°64'45"		59	26 47 15.6	94 19 28.2	Paddy Field/Private Land			
6						49	59						
7	AP-2/1	SP-1	Single Pole				108	26 47 14.7	94 19 29.7	Paddy Field/Private Land			
8						49	108						
9	AP-3	FP-2	Four Pole		79°36'25"		157	26 47 13.8	94 19 31.2	Paddy Field/Private Land			
10						41	157						
11	AP-3/1	SP-2	Single Pole				198	26 47 14.4	94 19 32.5	Paddy Field/Private Land			
12						39	198						
13	AP-3/2	SP-3	Single Pole				237	26 47 14.9	94 19 33.8	Paddy Field/Private Land			
14						32	237						
15	AP-4	DP-2	Double Pole		24°38'08"		269	26 47 15.4	94 19 34.8	Paddy Field/Private Land			
16						48	269						
17	AP-4/1	SP-4	Single Pole				317	26 47 15.5	94 19 36.5	Paddy Field/Private Land			
18						49	317						
19	AP-4/2	SP-5	Single Pole				366	26 47 15.7	94 19 38.3	Paddy Field/Private Land			
20						50	366						
21	AP-4/3	SP-6	Single Pole				416	26 47 15.9	94 19 40.1	Paddy Field/Private Land			
22						50	416						
23	AP-4/4	SP-7	Single Pole				466	26 47 16.1	94 19 41.9	Paddy Field/Private Land			
24						49	466						
25	AP-4/5	SP-8	Single Pole				515	26 47 16.2	94 19 43.6	Paddy Field/Private Land			
26						49	515						
27	AP-4/6	SP-9	Single Pole				564	26 47 16.4	94 19 45.4	Paddy Field/Private Land			
28						49	564						
29	AP-4/7	SP-10	Single Pole				613	26 47 16.6	94 19 47.2	Paddy Field/Private Land			
30						50	613						
31	AP-4/8	SP-11	Single Pole				663	26 47 16.8	94 19 49.0	Paddy Field/Private Land			
32						50	663						
33	AP-5	DP-3	Double Pole		46°61'51"		713	26 47 17.0	94 19 50.8	Paddy Field/Private Land			
34						32	713						
35	AP-5/1	SP-12	Single Pole				745	26 47 17.6	94 19 51.7	**Road Crossing**			
36						30	745						
37	AP-5/2	SP-13	Single Pole				775	26 47 18.2	94 19 52.6	Paddy Field/Private Land			
38						48	775						
39	AP-5/3	SP-14	Single Pole				823	26 47 19.1	94 19 54.0	Paddy Field/Private Land			
40						49	823						
41	AP-5/4	SP-15	Single Pole				872	26 47 20.1	94 19 55.4	Paddy Field/Private Land			
42						43	872						
43	AP-5/5	SP-16	Single Pole				915	26 47 20.9	94 19 56.6	Paddy Field/Private Land			
44						46	915						
45	AP-6	DP-4	Double Pole		58°35'62"		961	26 47 21.8	94 19 58.0	Paddy Field/Private Land			
46						50	961						
47	AP-6/1	SP-17	Single Pole				1011	26 47 23.3	94 19 58.7	Paddy Field/Private Land			
48						48	1011						
49	AP-6/2	SP-18	Single Pole				1059	26 47 24.7	94 19 59.3	Paddy Field/Private Land			
50						47	1059						
51	AP-6/3	SP-19	Single Pole				1106	26 47 26.1	94 20 00.0	Paddy Field/Private Land			
52						50	1106						
53	AP-6/4	SP-20	Single Pole				1156	26 47 27.6	94 20 00.7	Paddy Field/Private Land			
54						49	1156						
55	AP-6/5	SP-21	Single Pole				1205	26 47 29.1	94 20 01.4	Paddy Field/Private Land			
56						50	1205						
57	AP-6/6	SP-22	Single Pole				1255	26 47 30.6	94 20 02.1	Paddy Field/Private Land			
58						50	1255						
59	AP-6/7	SP-23	Single Pole				1305	26 47 32.1	94 20 02.8	Paddy Field/Private Land			
60						49	1305						
61	AP-6/8	SP-24	Single Pole				1354	26 47 33.6	94 20 03.5	Paddy Field/Private Land			
62						50	1354						

जि.गणेश स्वरुप, सहायक अभियन्ता
G. GANESH SWAROOP, ASSTT. ENGINEER
पावरग्रिड, एन.ई.आर.पि.एस.आइ.पि.टीयक
POWERGRID, NERPSIP, TEOK

STERLING AND WILSON PVT. LTD. Kolkata

63	AP-7	FP-3	Four Pole		77°31'47"		1404	26 47 35.1	94 20 04.2	Road Crossing				
64						43	1404							
65	AP-7/1	SP-25	Single Pole				1447	26 47 34.9	94 20 05.8	Tea Garden				
66						48	1447							
67	AP-7/2	SP-26	Single Pole				1495	26 47 34.7	94 20 07.5	Tea Garden				
68						48	1495							
69	AP-7/3	SP-27	Single Pole				1543	26 47 34.5	94 20 09.2	Tea Garden				
70						50	1543							
71	AP-7/4	SP-28	Single Pole				1593	26 47 34.2	94 20 11.0	Tea Garden				
72						50	1593							
73	AP-7/5	SP-29	Single Pole				1643	26 47 34.0	94 20 12.8	Tea Garden				
74						49	1643							
75	AP-7/6	SP-30	Single Pole				1692	26 47 33.8	94 20 14.6	Tea Garden				
76						50	1692							
77	AP-7/7	SP-31	Single Pole				1742	26 47 33.6	94 20 16.3	Tea Garden				
78						50	1742							
79	AP-7/8	SP-32	Single Pole				1792	26 47 33.4	94 20 18.1	Tea Garden				
80						50	1792							
81	AP-7/9	SP-33	Single Pole				1842	26 47 33.2	94 20 20.0	Tea Garden				
82						49	1842							
83	AP-7/10	SP-34	Single Pole				1891	26 47 32.9	94 20 21.7	Paddy Field/Private Land				
84						50	1891							
85	AP-7/11	SP-35	Single Pole				1941	26 47 32.7	94 20 23.5	Paddy Field/Private Land				
86						50	1941							
87	AP-7/12	SP-36	Single Pole				1991	26 47 32.5	94 20 25.3	Paddy Field/Private Land				
88						50	1991							
89	AP-7/13	SP-37	Single Pole				2041	26 47 32.3	94 20 27.1	Paddy Field/Private Land				
90						50	2041							
91	AP-8	FP-4	Four Pole		68°31'28"		2091	26 47 32.1	94 20 28.9	Village Road				
92						42	2091							
93	AP-8/1	SP-38	Single Pole				2133	26 47 30.8	94 20 29.6	Village Road				
94						43	2133							
95	AP-8/2	SP-39	Single Pole				2176	26 47 29.6	94 20 30.2	Village Road				
96						40	2176							
97	AP-8/3	SP-40	Single Pole				2216	26 47 28.4	94 20 30.9	Village Road				
98						43	2216							
99	AP-9	FP-5	Four Pole		94°46'48"		2259	26 47 27.2	94 20 31.6	Road Crossing				
100						33	2259							
101	AP-9/1	SP-41	Single Pole				2292	26 47 27.7	94 20 32.6	Paddy Field/Private Land				
102						38	2292							
103	AP-9/2	SP-42	Single Pole				2330	26 47 28.3	94 20 33.8	Paddy Field/Private Land				
104						36	2330							
105	AP-10	DP-5	Double Pole		45°38'51"		2366	26 47 28.9	94 20 35.0	Paddy Field/Private Land				
106						48	2366							
107	AP-10/1	SP-43	Single Pole				2414	26 47 28.6	94 20 36.7	Paddy Field/Private Land				
108						49	2414							
109	AP-10/2	SP-44	Single Pole				2463	26 47 28.4	94 20 38.4	Paddy Field/Private Land				
110						50	2463							
111	AP-10/3	SP-45	Single Pole				2513	26 47 28.1	94 20 40.2	Paddy Field/Private Land				
112						49	2513							
113	AP-10/4	SP-46	Single Pole				2562	26 47 27.9	94 20 42.0	Paddy Field/Private Land				
114						49	2562							
115	AP-10/5	SP-47	Single Pole				2611	26 47 27.6	94 20 43.7	Paddy Field/Private Land				
116						49	2611							
117	AP-10/6	SP-48	Single Pole				2660	26 47 27.4	94 20 45.5	Paddy Field/Private Land				
118						50	2660							
119	AP-10/7	SP-49	Single Pole				2710	26 47 27.1	94 20 47.2	Paddy Field/Private Land				
120						50	2710							
121	AP-10/8	SP-50	Single Pole				2760	26 47 26.9	94 20 49.0	Paddy Field/Private Land				
122						49	2760							
123	AP-10/9	SP-51	Single Pole				2809	26 47 26.6	94 20 50.8	Paddy Field/Private Land				
124						49	2809							
125	AP-10/10	SP-52	Single Pole				2858	26 47 26.4	94 20 52.5	Paddy Field/Private Land				
126						49	2858							
127	AP-10/11	SP-53	Single Pole				2907	26 47 26.2	94 20 54.3	Paddy Field/Private Land				
128						50	2907							
129	AP-10/12	SP-54	Single Pole				2957	26 47 25.9	94 20 56.1	Paddy Field/Private Land				
130						50	2957							
131	AP-11	DP-6	Double Pole		32°46'19"		3007	26 47 25.7	94 20 57.9	Paddy Field/Private Land				
132						47	3007							
133	AP-11/1	SP-55	Single Pole				3054	26 47 24.8	94 20 59.3	Paddy Field/Private Land				
134						49	3054							
135	AP-12	DP-7	Double Pole		59°63'37"		3103	26 47 23.9	94 21 00.7	Paddy Field/Private Land				

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136						44	3103							
137	AP-12/1	SP-56	Single Pole				3147	26 47 24.6	94 21 02.2	Paddy Field/Private Land				
138						45	3147							
139	AP-12/2	SP-57	Single Pole				3192	26 47 25.2	94 21 03.6	Paddy Field/Private Land				
140						46	3192							
141	AP-13	DP-8	Double Pole		12°71'23"		3238	26 47 25.9	94 21 05.1	Road Crossing				
142						43	3238							
143	AP-13/1	SP-58	Single Pole				3281	26 47 26.9	94 21 06.3	Paddy Field/Private Land				
144						49	3281							
145	AP-13/2	SP-59	Single Pole				3330	26 47 27.9	94 21 07.6	Paddy Field/Private Land				
146						47	3330							
147	AP-13/3	SP-60	Single Pole				3377	26 47 28.9	94 21 08.9	Paddy Field/Private Land				
148						47	3377							
149	AP-13/4	SP-61	Single Pole				3424	26 47 29.9	94 21 10.2	Paddy Field/Private Land				
150						45	3424							
151	AP-13/5	SP-62	Single Pole				3469	26 47 30.9	94 21 11.4	Paddy Field/Private Land				
152						49	3469							
153	AP-13/6	SP-63	Single Pole				3518	26 47 31.9	94 21 12.7	Paddy Field/Private Land				
154						49	3518							
155	AP-13/7	SP-64	Single Pole				3567	26 47 32.9	94 21 14.1	Paddy Field/Private Land				
156						47	3567							
157	AP-14	DP-9	Double Pole		26°32'41"		3614	26 47 33.9	94 21 15.4	Paddy Field/Private Land				
158						51	3614							
159	AP-14/1	SP-65	Single Pole				3665	26 47 34.5	94 21 17.1	Paddy Field/Private Land				
160						48	3665							
161	AP-14/2	SP-66	Single Pole				3713	26 47 35.1	94 21 18.7	Paddy Field/Private Land				
162						48	3713							
163	AP-14/3	SP-67	Single Pole				3761	26 47 35.7	94 21 20.3	Paddy Field/Private Land				
164						48	3761							
165	AP-14/4	SP-68	Single Pole				3809	26 47 36.3	94 21 22.0	Paddy Field/Private Land				
166						49	3809							
167	AP-14/5	SP-69	Single Pole				3858	26 47 36.8	94 21 23.6	Paddy Field/Private Land				
168						49	3858							
169	AP-14/6	SP-70	Single Pole				3907	26 47 37.4	94 21 25.2	Paddy Field/Private Land				
170						48	3907							
171	AP-14/7	SP-71	Single Pole				3955	26 47 38.0	94 21 26.9	Paddy Field/Private Land				
172						48	3955							
173	AP-14/8	SP-72	Single Pole				4003	26 47 38.6	94 21 28.5	Paddy Field/Private Land				
174						48	4003							
175	AP-14/9	SP-73	Single Pole				4051	26 47 39.1	94 21 30.1	Paddy Field/Private Land				
176						49	4051							
177	AP-14/10	SP-74	Single Pole				4100	26 47 39.7	94 21 31.8	Paddy Field/Private Land				
178						49	4100							
179	AP-14/11	SP-75	Single Pole				4149	26 47 40.3	94 21 33.4	Paddy Field/Private Land				
180						49	4149							
181	AP-14/12	SP-76	Single Pole				4198	26 47 40.9	94 21 35.0	Paddy Field/Private Land				
182						49	4198							
183	AP-14/13	SP-77	Single Pole				4247	26 47 41.4	94 21 36.7	Paddy Field/Private Land				
184						49	4247							
185	AP-14/14	SP-78	Single Pole				4296	26 47 42.0	94 21 38.3	Paddy Field/Private Land				
186						48	4296							
187	AP-14/15	SP-79	Single Pole				4344	26 47 42.6	94 21 40.0	Paddy Field/Private Land				
188						48	4344							
189	AP-15	DP-10	Double Pole		18°62'52"		4392	26 47 43.2	94 21 41.6	Paddy Field/Private Land				
190						46	4392							
191	AP-15/1	SP-80	Single Pole				4438	26 47 44.2	94 21 42.8	Paddy Field/Private Land				
192						45	4438							
193	AP-16	DP-11	Double Pole		41°46'29"		4483	26 47 45.2	94 21 43.9	Paddy Field/Private Land				
194						48	4483							
195	AP-16/1	SP-81	Single Pole				4531	26 47 45.4	94 21 45.6	Tea Garden				
196						50	4531							
197	AP-16/2	SP-82	Single Pole				4581	26 47 45.7	94 21 47.4	Tea Garden				
198						46	4581							
199	AP-17	FP-6	Four Pole				4627	26 47 45.9	94 21 49.1	Road Crossing				
200						36	4627							
201	AP-18	DP-12	Double Pole		08°83'35"		4663	26 47 47.0	94 21 49.5	Road				
202						27	4663							
203	AP-19	FP-7	Four Pole		91°26'14"		4690	26 47 47.8	94 21 49.5	Katcha Road				
204						47	4690							
205	AP-19/1	SP-83	Single Pole				4737	26 47 47.8	94 21 51.2	Katcha Road				
206						49	4737							
207	AP-19/2	SP-84	Single Pole				4786	26 47 47.8	94 21 53.0	Katcha Road				
208						46	4786							

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209	AP-20	FP-8	Four Pole		78°43'56"		4832	26 47 47.8	94 21 54.7	Paddy Field/Private Land				
210						41	4832							
211	AP-20/1	SP-85	Single Pole				4873	26 47 48.9	94 21 55.5	Paddy Field/Private Land				
212						49	4873							
213	AP-20/2	SP-86	Single Pole				4922	26 47 50.2	94 21 56.4	Paddy Field/Private Land				
214						49	4922							
215	AP-20/3	SP-87	Single Pole				4971	26 47 51.6	94 21 57.4	Paddy Field/Private Land				
216						50	4971							
217	AP-20/4	SP-88	Single Pole				5021	26 47 52.9	94 21 58.4	Paddy Field/Private Land				
218						50	5021							
219	AP-20/5	SP-89	Single Pole				5071	26 47 54.3	94 21 59.3	Paddy Field/Private Land				
220						49	5071							
221	AP-20/6	SP-90	Single Pole				5120	26 47 55.6	94 22 00.3	Paddy Field/Private Land				
222						49	5120							
223	AP-20/7	SP-91	Single Pole				5169	26 47 57.0	94 22 01.3	Paddy Field/Private Land				
224						50	5169							
225	AP-20/8	SP-92	Single Pole				5219	26 47 58.3	94 22 02.2	Paddy Field/Private Land				
226						49	5219							
227	AP-20/9	SP-93	Single Pole				5268	26 47 59.6	94 22 03.2	Paddy Field/Private Land				
228						50	5268							
229	AP-20/10	SP-94	Single Pole				5318	26 48 01.0	94 22 04.2	Paddy Field/Private Land				
230						49	5318							
231	AP-20/11	SP-95	Single Pole				5367	26 48 02.3	94 22 05.1	Paddy Field/Private Land				
232						49	5367							
233	AP-20/12	SP-96	Single Pole				5416	26 48 03.7	94 22 06.1	Paddy Field/Private Land				
234						50	5416							
235	AP-20/13	SP-97	Single Pole				5466	26 48 05.0	94 22 07.1	Paddy Field/Private Land				
236						49	5466							
237	AP-20/14	SP-98	Single Pole				5515	26 48 06.4	94 22 08.0	Paddy Field/Private Land				
238						49	5515							
239	AP-20/15	SP-99	Single Pole				5564	26 48 07.7	94 22 09.0	Paddy Field/Private Land				
240						50	5564							
241	AP-20/16	SP-100	Single Pole				5614	26 48 09.0	94 22 10.0	Paddy Field/Private Land				
242						49	5614							
243	AP-20/17	SP-101	Single Pole				5663	26 48 10.4	94 22 10.9	Paddy Field/Private Land				
244						49	5663							
245	AP-21	DP-13	Double Pole		52°71'29"		5712	26 48 11.7	94 22 11.9	Paddy Field/Private Land				
246						42	5712							
247	AP-21/1	SP-102	Single Pole				5754	26 48 11.8	94 22 13.4	Paddy Field/Private Land				
248						50	5754							
249	AP-21/2	SP-103	Single Pole				5804	26 48 11.9	94 22 15.2	Paddy Field/Private Land				
250						47	5804							
251	AP-22	DP-14	Double Pole		06°46'38"		5851	26 48 11.9	94 22 16.9	Paddy Field/Private Land				
252						42	5851							
253	AP-22/1	SP-104	Single Pole				5893	26 48 11.8	94 22 18.4	Paddy Field/Private Land				
254						48	5893							
255	AP-22/2	SP-105	Single Pole				5941	26 48 11.6	94 22 20.2	Paddy Field/Private Land				
256						46	5941							
257	AP-22/3	SP-106	Single Pole				5987	26 48 11.4	94 22 21.8	Paddy Field/Private Land				
258						49	5987							
259	AP-22/4	SP-107	Single Pole				6036	26 48 11.2	94 22 23.6	Paddy Field/Private Land				
260						50	6036							
261	AP-22/5	SP-108	Single Pole				6086	26 48 11.0	94 22 25.4	Paddy Field/Private Land				
262						49	6086							
263	AP-22/6	SP-109	Single Pole				6135	26 48 10.8	94 22 27.1	Paddy Field/Private Land				
264						49	6135							
265	AP-22/7	SP-110	Single Pole				6184	26 48 10.6	94 22 28.9	Paddy Field/Private Land				
266						49	6184							
267	AP-22/8	SP-111	Single Pole				6233	26 48 10.4	94 22 30.7	Paddy Field/Private Land				
268						49	6233							
269	AP-22/9	SP-112	Single Pole				6282	26 48 10.2	94 22 32.4	Paddy Field/Private Land				
270						49	6282							
271	AP-22/10	SP-113	Single Pole				6331	26 48 10.0	94 22 34.2	Paddy Field/Private Land				
272						49	6331							
273	AP-22/11	DP-15	Double Pole				6380	26 48 09.8	94 22 36.0	Village Road				
274						50	6380							
275	AP-22/12	SP-114	Single Pole				6430	26 48 09.6	94 22 37.7	Paddy Field/Private Land				
276						49	6430							
277	AP-22/13	SP-115	Single Pole				6479	26 48 09.3	94 22 39.5	Paddy Field/Private Land				
278						49	6479							
279	AP-22/14	SP-116	Single Pole				6528	26 48 09.1	94 22 41.3	Paddy Field/Private Land				
280						49	6528							
281	AP-22/15	SP-117	Single Pole				6577	26 48 08.9	94 22 43.0	Paddy Field/Private Land				

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282						49	6577							
283	AP-22/16	SP-118	Single Pole				6626	26 48 08.7	94 22 44.8	Paddy Field/Private Land				
284						49	6626							
285	AP-22/17	SP-119	Single Pole				6675	26 48 08.5	94 22 46.6	Paddy Field/Private Land				
286						48	6675							
287	AP-22/18	SP-120	Single Pole				6723	26 48 08.3	94 22 48.3	Paddy Field/Private Land				
288						49	6723							
289	AP-22/19	SP-121	Single Pole				6772	26 48 08.1	94 22 50.0	Paddy Field/Private Land				
290						49	6772							
291	AP-22/20	SP-122	Single Pole				6821	26 48 07.9	94 22 51.8	Paddy Field/Private Land				
292						48	6821							
293	AP-22/21	SP-123	Single Pole				6869	26 48 07.7	94 22 53.5	Paddy Field/Private Land				
294						49	6869							
295	AP-22/22	SP-124	Single Pole				6918	26 48 07.5	94 22 55.3	Paddy Field/Private Land				
296						50	6918							
297	AP-23	DP-16	Double Pole		45°34'42"		6968	26 48 07.3	94 22 57.1	Paddy Field/Private Land				
298						51	6968							
299	AP-23/1	SP-125	Single Pole				7019	26 48 08.1	94 22 58.8	Paddy Field/Private Land				
300						50	7019							
301	AP-23/2	SP-126	Single Pole				7069	26 48 08.8	94 23 00.4	Paddy Field/Private Land				
302						50	7069							
303	AP-23/3	SP-127	Single Pole				7119	26 48 09.5	94 23 02.0	Paddy Field/Private Land				
304						50	7119							
305	AP-24	FP-9	Four Pole		81°62'18"		7169	26 48 10.3	94 23 03.6	Village Road				
306						42	7169							
307	AP-24/1	SP-128	Single Pole				7211	26 48 11.6	94 23 03.5	Paddy Field/Private Land				
308						40	7211							
309	AP-24/2	DP-17	Double Pole				7251	26 48 12.9	94 23 03.3	Paddy Field/Private Land				
310						40	7251							
311	AP-24/3	SP-129	Single Pole				7291	26 48 14.2	94 23 03.2	Paddy Field/Private Land				
312						41	7291							
313	AP-24/4	SP-130	Single Pole				7332	26 48 15.5	94 23 03.1	Paddy Field/Private Land				
314						42	7332							
315	AP-24/5	SP-131	Single Pole				7374	26 48 16.8	94 23 03.0	Katcha Road				
316						41	7374							
317	AP-25	FP-10	Four Pole		84°09'57"		7415	26 48 18.2	94 23 02.9	Paddy Field/Private Land				
318						50	7415							
319	AP-25/1	SP-132	Single Pole				7465	26 48 18.9	94 23 04.4	Paddy Field/Private Land				
320						48	7465							
321	AP-25/2	SP-133	Single Pole				7513	26 48 19.7	94 23 06.0	Paddy Field/Private Land				
322						50	7513							
323	AP-25/3	SP-134	Single Pole				7563	26 48 20.4	94 23 07.6	Paddy Field/Private Land				
324						50	7563							
325	AP-25/4	SP-135	Single Pole				7613	26 48 21.2	94 23 09.2	Paddy Field/Private Land				
326						50	7613							
327	AP-25/5	SP-136	Single Pole				7663	26 48 22.0	94 23 10.7	Paddy Field/Private Land				
328						50	7663							
329	AP-25/6	SP-137	Single Pole				7713	26 48 22.8	94 23 12.3	Paddy Field/Private Land				
330						50	7713							
331	AP-26	DP-18	Double Pole		03°37'48"		7763	26 48 23.5	94 23 13.9	Road Crossing				
332						42	7763							
333	AP-26/1	SP-138	Single Pole				7805	26 48 24.1	94 23 15.3	Tea Garden				
334						45	7805							
335	AP-26/2	SP-139	Single Pole				7850	26 48 24.6	94 23 16.8	Paddy Field/Private Land				
336						49	7850							
337	AP-26/3	SP-140	Single Pole				7899	26 48 25.2	94 23 18.4	Paddy Field/Private Land				
338						48	7899							
339	AP-27	DP-19	Double Pole		14°73'68"		7947	26 48 25.8	94 23 20.0	Paddy Field/Private Land				
340						45	7947							
341	AP-27/1	SP-141	Single Pole				7992	26 48 26.8	94 23 21.2	Paddy Field/Private Land				
342						46	7992							
343	AP-27/2	SP-142	Single Pole				8038	26 48 27.8	94 23 22.4	Paddy Field/Private Land				
344						48	8038							
345	AP-27/3	SP-143	Single Pole				8086	26 48 28.9	94 23 23.7	Paddy Field/Private Land				
346						49	8086							
347	AP-27/4	SP-144	Single Pole				8135	26 48 29.9	94 23 25.0	Paddy Field/Private Land				
348						48	8135							
349	AP-27/5	SP-145	Single Pole				8183	26 48 31.0	94 23 26.3	Paddy Field/Private Land				
350						48	8183							
351	AP-27/6	SP-146	Single Pole				8231	26 48 32.0	94 23 27.6	Paddy Field/Private Land				
352						49	8231							
353	AP-27/7	SP-147	Single Pole				8280	26 48 33.1	94 23 28.9	Paddy Field/Private Land				
354						49	8280							

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355	AP-27/8	SP-148	Single Pole				8329	26 48 34.2	94 23 30.2	Paddy Field/Private Land			
356						49	8329						
357	AP-27/9	SP-149	Single Pole				8378	26 48 35.2	94 23 31.5	Paddy Field/Private Land			
358						50	8378						
359	AP-27/10	SP-150	Single Pole				8428	26 48 36.3	94 23 32.9	Paddy Field/Private Land			
360						50	8428						
361	AP-27/11	DP-20	Double Pole				8478	26 48 37.4	94 23 34.2	Paddy Field/Private Land			
362						49	8478						
363	AP-27/12	SP-151	Single Pole				8527	26 48 38.5	94 23 35.5	Paddy Field/Private Land			
364						49	8527						
365	AP-27/13	SP-152	Single Pole				8576	26 48 39.6	94 23 36.8	Paddy Field/Private Land			
366						49	8576						
367	AP-27/14	SP-153	Single Pole				8625	26 48 40.7	94 23 38.2	Paddy Field/Private Land			
368						49	8625						
369	AP-27/15	SP-154	Single Pole				8674	26 48 41.7	94 23 39.5	Paddy Field/Private Land			
370						49	8674						
371	AP-27/16	SP-155	Single Pole				8723	26 48 42.8	94 23 40.8	Paddy Field/Private Land			
372						49	8723						
373	AP-27/17	SP-156	Single Pole				8772	26 48 43.9	94 23 42.1	Paddy Field/Private Land			
374						50	8772						
375	AP-27/18	SP-157	Single Pole				8822	26 48 45.0	94 23 43.4	Paddy Field/Private Land			
376						48	8822						
377	AP-28	DP-21	Double Pole		44°37'28"		8870	26 48 46.0	94 23 44.7	**Katcha Road**			
378						42	8870						
379	AP-28/1	SP-158	Single Pole				8912	26 48 46.0	94 23 46.2	Paddy Field/Private Land			
380						42	8912						
381	AP-28/2	SP-159	Single Pole				8954	26 48 46.0	94 23 47.8	Paddy Field/Private Land			
382						47	8954						
383	AP-28/3	SP-160	Single Pole				9001	26 48 45.9	94 23 49.5	Paddy Field/Private Land			
384						47	9001						
385	AP-29	DP-22	Double Pole		45°34'55"		9048	26 48 45.9	94 23 51.2	Paddy Field/Private Land			
386						32	9048						
387	AP-29/1	SP-161	Single Pole				9080	26 48 45.0	94 23 51.8	Paddy Field/Private Land			
388						36	9080						
389	AP-29/2	SP-162	Single Pole				9116	26 48 44.1	94 23 52.6	Paddy Field/Private Land			
390						36	9116						
391	AP-30	DP-23	Double Pole		44°22'13"		9152	26 48 43.1	94 23 53.3	Paddy Field/Private Land			
392						40	9152						
393	AP-30/1	SP-163	Single Pole				9192	26 48 43.1	94 23 54.7	Paddy Field/Private Land			
394						42	9192						
395	AP-30/2	SP-164	Single Pole				9234	26 48 43.1	94 23 56.3	Paddy Field/Private Land			
396						40	9234						
397	AP-30/3	SP-165	Single Pole				9274	26 48 43.0	94 23 57.7	Paddy Field/Private Land			
398						41	9274						
399	AP-30/4	SP-166	Single Pole				9315	26 48 43.0	94 23 59.2	Paddy Field/Private Land			
400						47	9315						
401	AP-30/5	DP-24	Double Pole				9362	26 48 42.9	94 24 00.9	Paddy Field/Private Land			
402						49	9362						
403	AP-30/6	SP-167	Single Pole				9411	26 48 42.9	94 24 02.7	Paddy Field/Private Land			
404						45	9411						
405	AP-30/7	SP-168	Single Pole				9456	26 48 42.8	94 24 04.3	Paddy Field/Private Land			
406						47	9456						
407	AP-30/8	SP-169	Single Pole				9503	26 48 42.7	94 24 06.0	Paddy Field/Private Land			
408						43	9503						
409	AP-30/9	SP-170	Single Pole				9546	26 48 42.7	94 24 07.5	Paddy Field/Private Land			
410						50	9546						
411	AP-30/10	SP-171	Single Pole				9596	26 48 42.6	94 24 09.3	Paddy Field/Private Land			
412						47	9596						
413	AP-30/11	SP-172	Single Pole				9643	26 48 42.6	94 24 11.1	Paddy Field/Private Land			
414						46	9643						
415	AP-30/12	SP-173	Single Pole				9689	26 48 42.5	94 24 12.7	Paddy Field/Private Land			
416						46	9689						
417	AP-30/13	DP-25	Double Pole				9735	26 48 42.5	94 24 14.4	Paddy Field/Private Land			
418						49	9735						
419	AP-30/14	SP-174	Single Pole				9784	26 48 42.4	94 24 16.2	Paddy Field/Private Land			
420						47	9784						
421	AP-31	DP-26	Double Pole		02°41'61"		9831	26 48 42.3	94 24 17.9	**Nallah Crossing**			
422						43	9831						
423	AP-31/1	DP-27	Double Pole				9874	26 48 42.1	94 24 19.4	Paddy Field/Private Land			
424						47	9874						
425	AP-31/2	SP-175	Single Pole				9921	26 48 41.9	94 24 21.1	Paddy Field/Private Land			
426						46	9921						
427	AP-31/3	SP-176	Single Pole				9967	26 48 41.7	94 24 22.8	Paddy Field/Private Land			

जी.जी.स्वरूप

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428						49	9967								
429	AP-31/4	SP-177	Single Pole				10016	26 48 41.5	94 24 24.5	Paddy Field/Private Land					
430						49	10016								
431	AP-31/5	SP-178	Single Pole				10065	26 48 41.3	94 24 26.3	Paddy Field/Private Land					
432						49	10065								
433	AP-31/6	SP-179	Single Pole				10114	26 48 41.1	94 24 28.0	Paddy Field/Private Land					
434						49	10114								
435	AP-31/7	SP-180	Single Pole				10163	26 48 40.9	94 24 29.8	Paddy Field/Private Land					
436						49	10163								
437	AP-31/8	SP-181	Single Pole				10212	26 48 40.7	94 24 31.6	Paddy Field/Private Land					
438						49	10212								
439	AP-31/9	SP-182	Single Pole				10261	26 48 40.5	94 24 33.3	Paddy Field/Private Land					
440						50	10261								
441	AP-31/10	SP-183	Single Pole				10311	26 48 40.2	94 24 35.1	Paddy Field/Private Land					
442						50	10311								
443	AP-31/11	SP-184	Single Pole				10361	26 48 40.0	94 24 36.9	Paddy Field/Private Land					
444						49	10361								
445	AP-31/12	SP-185	Single Pole				10410	26 48 39.8	94 24 38.6	Paddy Field/Private Land					
446						50	10410								
447	AP-31/13	DP-28	Double Pole				10460	26 48 39.6	94 24 40.4	Paddy Field/Private Land					
448						50	10460								
449	AP-31/14	SP-186	Single Pole				10510	26 48 39.4	94 24 42.2	Paddy Field/Private Land					
450						50	10510								
451	AP-31/15	SP-187	Single Pole				10560	26 48 39.2	94 24 44.0	Paddy Field/Private Land					
452						50	10560								
453	AP-31/16	SP-188	Single Pole				10610	26 48 38.9	94 24 45.8	Paddy Field/Private Land					
454						50	10610								
455	AP-31/17	SP-189	Single Pole				10660	26 48 38.7	94 24 47.6	Paddy Field/Private Land					
456						50	10660								
457	AP-31/18	SP-190	Single Pole				10710	26 48 38.5	94 24 49.4	Paddy Field/Private Land					
458						50	10710								
459	AP-31/19	SP-191	Single Pole				10760	26 48 38.3	94 24 51.2	Paddy Field/Private Land					
460						49	10760								
461	AP-31/20	SP-192	Single Pole				10809	26 48 38.1	94 24 53.0	Paddy Field/Private Land					
462						49	10809								
463	AP-31/21	SP-193	Single Pole				10858	26 48 37.9	94 24 54.7	Paddy Field/Private Land					
464						50	10858								
465	AP-31/22	SP-194	Single Pole				10908	26 48 37.7	94 24 56.5	Paddy Field/Private Land					
466						50	10908								
467	AP-32	DP-29	Double Pole		04°28'44"		10958	26 48 37.4	94 24 58.3	Paddy Field/Private Land					
468						49	10958								
469	AP-32/1	SP-195	Single Pole				11007	26 48 37.2	94 25 00.1	Paddy Field/Private Land					
470						49	11007								
471	AP-32/2	SP-196	Single Pole				11056	26 48 37.0	94 25 01.9	Paddy Field/Private Land					
472						49	11056								
473	AP-32/3	SP-197	Single Pole				11105	26 48 36.8	94 25 03.6	Paddy Field/Private Land					
474						50	11105								
475	AP-33	DP-30	Double Pole		18°25'53"		11155	26 48 36.6	94 25 05.4	Paddy Field/Private Land					
476						36	11155								
477	AP-33/1	SP-198	Single Pole				11191	26 48 36.6	94 25 06.7	Paddy Field/Private Land					
478						38	11191								
479	AP-33/2	SP-199	Single Pole				11229	26 48 36.7	94 25 08.1	**Road Crossing**					
480						42	11229								
481	AP-33/3	SP-200	Single Pole				11271	26 48 36.9	94 25 09.6	Paddy Field/Private Land					
482						41	11271								
483	AP-33/4	SP-201	Single Pole				11312	26 48 37.0	94 25 11.1	Paddy Field/Private Land					
484						39	11312								
485	AP-34	DP-31	Double Pole		54°35'41"		11351	26 48 37.0	94 25 12.5	Paddy Field/Private Land					
486						48	11351								
487	AP-34/1	SP-202	Single Pole				11399	26 48 38.1	94 25 13.7	Paddy Field/Private Land					
488						48	11399								
489	AP-34/2	SP-203	Single Pole				11447	26 48 39.2	94 25 15.0	Paddy Field/Private Land					
490						50	11447								
491	AP-34/3	SP-204	Single Pole				11497	26 48 40.3	94 25 16.3	Paddy Field/Private Land					
492						49	11497								
493	AP-34/4	SP-205	Single Pole				11546	26 48 41.4	94 25 17.6	Paddy Field/Private Land					
494						50	11546								
495	AP-34/5	SP-206	Single Pole				11596	26 48 42.5	94 25 18.9	Paddy Field/Private Land					
496						49	11596								
497	AP-34/6	SP-207	Single Pole				11645	26 48 43.6	94 25 20.2	Paddy Field/Private Land					
498						48	11645								
499	AP-34/7	SP-208	Single Pole				11693	26 48 44.6	94 25 21.4	Paddy Field/Private Land					
500						47	11693								

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501	AP-34/8	SP-209	Single Pole				11740	26 48 45.7	94 25 22.7	Paddy Field/Private Land			
502						50	11740						
503	AP-34/9	SP-210	Single Pole				11790	26 48 46.8	94 25 24.0	Paddy Field/Private Land			
504						48	11790						
505	AP-34/10	SP-211	Single Pole				11838	26 48 47.9	94 25 25.2	Paddy Field/Private Land			
506						49	11838						
507	AP-34/11	SP-212	Single Pole				11887	26 48 49.0	94 25 26.5	Paddy Field/Private Land			
508						49	11887						
509	AP-34/12	SP-213	Single Pole				11936	26 48 50.0	94 25 27.8	Paddy Field/Private Land			
510						50	11936						
511	AP-34/13	SP-214	Single Pole				11986	26 48 51.1	94 25 29.1	Paddy Field/Private Land			
512						49	11986						
513	AP-34/14	SP-215	Single Pole				12035	26 48 52.2	94 25 30.4	Paddy Field/Private Land			
514						47	12035						
515	AP-34/15	SP-216	Single Pole				12082	26 48 53.3	94 25 31.7	Paddy Field/Private Land			
516						49	12082						
517	AP-34/16	SP-217	Single Pole				12131	26 48 54.4	94 25 32.9	Paddy Field/Private Land			
518						49	12131						
519	AP-34/17	SP-218	Single Pole				12180	26 48 55.5	94 25 34.2	Paddy Field/Private Land			
520						49	12180						
521	AP-34/18	SP-219	Single Pole				12229	26 48 56.6	94 25 35.5	Paddy Field/Private Land			
522						48	12229						
523	AP-34/19	SP-220	Single Pole				12277	26 48 57.7	94 25 36.8	Paddy Field/Private Land			
524						50	12277						
525	AP-35	DP-32	Double Pole		01°32'28"		12327	26 48 58.8	94 25 38.1	Paddy Field/Private Land			
526						49	12327						
527	AP-35/1	SP-221	Single Pole				12376	26 48 59.9	94 25 39.4	Paddy Field/Private Land			
528						49	12376						
529	AP-35/2	SP-222	Single Pole				12425	26 49 01.0	94 25 40.7	Paddy Field/Private Land			
530						50	12425						
531	AP-35/3	SP-223	Single Pole				12475	26 49 02.1	94 25 42.0	Paddy Field/Private Land			
532						50	12475						
533	AP-35/4	SP-224	Single Pole				12525	26 49 03.2	94 25 43.3	Paddy Field/Private Land			
534						50	12525						
535	AP-35/5	SP-225	Single Pole				12575	26 49 04.3	94 25 44.6	Paddy Field/Private Land			
536						48	12575						
537	AP-35/6	SP-226	Single Pole				12623	26 49 05.4	94 25 45.9	Paddy Field/Private Land			
538						49	12623						
539	AP-35/7	SP-227	Single Pole				12672	26 49 06.5	94 25 47.2	Paddy Field/Private Land			
540						50	12672						
541	AP-35/8	SP-228	Single Pole				12722	26 49 07.6	94 25 48.5	Paddy Field/Private Land			
542						50	12722						
543	AP-35/9	SP-229	Single Pole				12772	26 49 08.7	94 25 49.8	Paddy Field/Private Land			
544						49	12772						
545	AP-35/10	SP-230	Single Pole				12821	26 49 09.8	94 25 51.1	Paddy Field/Private Land			
546						50	12821						
547	AP-35/11	SP-231	Single Pole				12871	26 49 10.9	94 25 52.4	Paddy Field/Private Land			
548						50	12871						
549	AP-35/12	SP-232	Single Pole				12921	26 49 12.0	94 25 53.7	Paddy Field/Private Land			
550						50	12921						
551	AP-35/13	SP-233	Single Pole				12971	26 49 13.1	94 25 55.0	Paddy Field/Private Land			
552						50	12971						
553	AP-35/14	SP-234	Single Pole				13021	26 49 14.2	94 25 56.3	Paddy Field/Private Land			
554						50	13021						
555	AP-35/15	SP-235	Single Pole				13071	26 49 15.3	94 25 57.7	Paddy Field/Private Land			
556						50	13071						
557	AP-35/16	SP-236	Single Pole				13121	26 49 16.5	94 25 59.0	Paddy Field/Private Land			
558						50	13121						
559	AP-35/17	SP-237	Single Pole				13171	26 49 17.6	94 26 00.3	Paddy Field/Private Land			
560						50	13171						
561	AP-35/18	SP-238	Single Pole				13221	26 49 18.7	94 26 01.6	Paddy Field/Private Land			
562						49	13221						
563	AP-35/19	SP-239	Single Pole				13270	26 49 19.8	94 26 02.9	Paddy Field/Private Land			
564						50	13270						
565	AP-35/20	SP-240	Single Pole				13320	26 49 20.9	94 26 04.2	Paddy Field/Private Land			
566						49	13320						
567	AP-35/21	SP-241	Single Pole				13369	26 49 22.0	94 26 05.5	Tea Garden			
568						46	13369						
569	AP-36	DP-33	Double Pole		25°12'62"		13415	26 49 23.3	94 26 06.3	Tea Garden			
570						48	13415						
571	AP-36/1	SP-242	Single Pole				13463	26 49 24.6	94 26 07.2	Tea Garden			
572						49	13463						
573	AP-36/2	SP-243	Single Pole				13512	26 49 26.0	94 26 08.1	Tea Garden			

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574						50	13512							
575	AP-36/3	SP-244	Single Pole				13562	26 49 27.4	94 26 09.0	Tea Garden				
576						50	13562							
577	AP-36/4	SP-245	Single Pole				13612	26 49 28.8	94 26 09.9	Tea Garden				
578						49	13612							
579	AP-36/5	SP-246	Single Pole				13661	26 49 30.2	94 26 10.8	Tea Garden				
580						50	13661							
581	AP-36/6	SP-247	Single Pole				13711	26 49 31.6	94 26 11.7	Tea Garden				
582						50	13711							
583	AP-36/7	SP-248	Single Pole				13761	26 49 33.0	94 26 12.6	**Road Crossing**				
584						43	13761							
585	AP-36/8	DP-34	Double Pole				13804	26 49 34.2	94 26 13.4	Tea Garden				
586						49	13804							
587	AP-36/9	SP-249	Single Pole				13853	26 49 35.6	94 26 14.3	Tea Garden				
588						48	13853							
589	AP-36/10	SP-250	Single Pole				13901	26 49 36.9	94 26 15.1	Tea Garden				
590						45	13901							
591	AP-36/11	SP-251	Single Pole				13946	26 49 38.2	94 26 15.9	Tea Garden				
592						46	13946							
593	AP-36/12	SP-252	Single Pole				13992	26 49 39.5	94 26 16.8	Tea Garden				
594						45	13992							
595	AP-36/13	SP-253	Single Pole				14037	26 49 40.7	94 26 17.6	**Road Crossing**				
596						47	14037							
597	AP-36/14	SP-254	Single Pole				14084	26 49 42.1	94 26 18.4	Tea Garden				
598						47	14084							
599	AP-36/15	SP-255	Single Pole				14131	26 49 43.4	94 26 19.3	Tea Garden				
600						46	14131							
601	AP-37	DP-35	Double Pole		48°58'51"		14177	26 49 44.8	94 26 19.1	Tea Garden				
602						47	14177							
603	AP-37/1	SP-256	Single Pole				14224	26 49 46.4	94 26 19.0	Tea Garden				
604						49	14224							
605	AP-37/2	SP-257	Single Pole				14273	26 49 47.9	94 26 18.8	Tea Garden				
606						50	14273							
607	AP-37/3	SP-258	Single Pole				14323	26 49 49.6	94 26 18.6	Tea Garden				
608						49	14323							
609	AP-37/4	SP-259	Single Pole				14372	26 49 51.1	94 26 18.4	**Katcha Road**				
610						50	14372							
611	AP-37/5	SP-260	Single Pole				14422	26 49 52.7	94 26 18.3	Tea Garden				
612						49	14422							
613	AP-37/6	SP-261	Single Pole				14471	26 49 54.3	94 26 18.1	Tea Garden				
614						50	14471							
615	AP-37/7	SP-262	Single Pole				14521	26 49 55.9	94 26 17.9	Tea Garden				
616						50	14521							
617	AP-37/8	SP-263	Single Pole				14571	26 49 57.5	94 26 17.7	Tea Garden				
618						49	14571							
619	AP-37/9	SP-264	Single Pole				14620	26 49 59.1	94 26 17.6	Tea Garden				
620						50	14620							
621	AP-37/10	SP-265	Single Pole				14670	26 50 00.7	94 26 17.4	Tea Garden				
622						50	14670							
623	AP-37/11	SP-266	Single Pole				14720	26 50 02.3	94 26 17.2	Tea Garden				
624						50	14720							
625	AP-38	DP-36	Double Pole		02°69'33"		14770	26 50 03.9	94 26 17.0	Tea Garden				
626						43	14770							
627	AP-38/1	SP-267	Single Pole				14813	26 50 05.3	94 26 17.0	Tea Garden				
628						46	14813							
629	AP-38/2	SP-268	Single Pole				14859	26 50 06.8	94 26 17.0	Tea Garden				
630						41	14859							
631	AP-38/3	SP-269	Single Pole				14900	26 50 08.1	94 26 17.0	Tea Garden				
632						43	14900							
633	AP-38/4	SP-270	Single Pole				14943	26 50 09.5	94 26 17.0	Tea Garden				
634						41	14943							
635	AP-39	DP-37	Double Pole		12°21'54"		14984	26 50 10.8	94 26 17.0	**NH Crossing with UG Cabling**				
636						34	14984							
637	AP-40	DP-38	Double Pole		08°19'22"		15018	26 50 11.9	94 26 16.7	Substation land				
638						42	15018							
639	AP-40/1	SP-271	Single Pole				15060	26 50 13.1	94 26 16.1	Substation land				
640						44	15060							
641	AP-40/2	SP-272	Single Pole				15104	26 50 14.4	94 26 15.4	Substation land				
642						43	15104							
643	AP-40/3	SP-273	Single Pole				15147	26 50 15.7	94 26 14.8	Substation land				
644						44	15147							
645	AP-40/4	SP-274	Single Pole				15191	26 50 17.0	94 26 14.2	**Existing 33/11KV Teok S/s**				
646						39	15191							

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647	AP-41	FP-11	Four Pole		95°14'12"		15230	26 50 18.2	94 26 13.6	Paddy Land			
648						47	15230						
649	AP-42	DP-39	Double Pole		22°19'56"		15277	26 50 19.6	94 26 12.9	Paddy Land			
650						49	15277						
651	AP-43	DP-40	Double Pole(Double Circuit)		16°11'21"		15326	26 50 20.7	94 26 11.6	Paddy Land			
652						46	15326						
653	AP-44	DP-41	Double Pole(Double Circuit)		28°23'65"		15372	26 50 22.0	94 26 10.8	Paddy Land			
654						47	15372						
655	AP-44/1	DP-42	Double Pole(Double Circuit)				15419	26 50 23.0	94 26 09.5	Paddy Land			
656						45	15419						
657	AP-44/2	DP-43	Double Pole(Double Circuit)				15464	26 50 24.0	94 26 08.3	Paddy Land			
658						45	15464						
659	AP-44/3	DP-44	Double Pole(Double Circuit)				15509	26 50 25.0	94 26 07.1	Paddy Land			
660						47	15509						
661	AP-44/4	DP-45	Double Pole(Double Circuit)				15556	26 50 26.0	94 26 05.8	Paddy Land			
662						43	15556						
663	AP-44/5	DP-46	Double Pole(Double Circuit)				15599	26 50 27.0	94 26 04.7	Paddy Land			
664						35	15599						
665	AP-45	DP-47	Double Pole(Double Circuit)		52°51'06"		15634	26 50 27.7	94 26 03.7	Paddy Land			
666						50	15634						
667	AP-45/1	DP-48	Double Pole(Double Circuit)				15684	26 50 29.3	94 26 03.8	Paddy Land			
668						50	15684						
669	AP-45/2	DP-49	Double Pole(Double Circuit)				15734	26 50 30.9	94 26 03.9	Paddy Land			
670						46	15734						
671	AP-45/3	DP-50	Double Pole				15780	26 50 32.4	94 26 03.9	Paddy Land			
672						46	15780						
673	AP-45/4	DP-51	Double Pole(Double Circuit)				15826	26 50 33.9	94 26 04.0	Paddy Land			
674						49	15826						
675	AP-45/5	DP-52	Double Pole(Double Circuit)				15875	26 50 35.5	94 26 04.0	Paddy Land			
676						50	15875						
677	AP-45/6	DP-53	Double Pole(Double Circuit)				15925	26 50 37.1	94 26 04.1	Paddy Land			
678						46	15925						
679	AP-45/7	DP-54	Double Pole(Double Circuit)				15971	26 50 38.6	94 26 04.2	Paddy Land			
680						49	15971						
681	AP-45/8	DP-55	Double Pole(Double Circuit)				16020	26 50 40.2	94 26 04.2	Paddy Land			
682						46	16020						
683	AP-45/9	DP-56	Double Pole(Double Circuit)				16066	26 50 41.7	94 26 04.3	Paddy Land			
684						50	16066						
685	AP-45/10	DP-57	Double Pole(Double Circuit)				16116	26 50 43.3	94 26 04.4	Paddy Land			
686						46	16116						
687	AP-45/11	DP-58	Double Pole(Double Circuit)				16162	26 50 44.8	94 26 04.4	Paddy Land			
688						43	16162						
689	AP-45/12	DP-59	Double Pole(Double Circuit)				16205	26 50 46.2	94 26 04.5	Paddy Land			
690						43	16205						
691	AP-45/13	DP-60	Double Pole(Double Circuit)				16248	26 50 47.6	94 26 04.5	Paddy Land			
692						37	16248						
693	AP-46	DP-61	Double Pole(Double Circuit)		30°24'41"		16285	26 50 48.8	94 26 04.6	Paddy Land			
694						42	16285						
695	AP-46/1	DP-62	Double Pole(Double Circuit)				16327	26 50 50.1	94 26 04.1	Paddy Land			
696						49	16327						
697	AP-47	DP-63	Double Pole(Double Circuit)		14°01'54"		16376	26 50 51.5	94 26 03.3	Paddy Land			
698						45	16376						
699	AP-47/1	DP-64	Double Pole(Double Circuit)				16421	26 50 52.9	94 26 02.8	Paddy Land			
700						50	16421						
701	AP-48	DP-65	Double Pole(Double Circuit)		11°19'63"		16471	26 50 54.5	94 26 02.5	Paddy Land			
702						46	16471						
703	AP-49	DP-66	Double Pole(Double Circuit)		87°21'32"		16517	26 50 56.0	94 26 02.6	Paddy Land			
704						47	16517						
705	AP-50	DP-67	Double Pole(Double Circuit)		08°61'22"		16564	26 50 55.9	94 26 04.3	Paddy Land			
706						52	16564						
707	AP-51	DP-68	Double Pole(Double Circuit)		05°63'45"		16616	26 50 55.4	94 26 06.1	Paddy Land			
708						50	16616						
709	AP-52	DP-69	Double Pole(Double Circuit)		16°17'38"		16666	26 50 55.3	94 26 07.9	Tea Garden Area			
710						50	16666						
711	AP-53	DP-70	Double Pole(Double Circuit)		09°19'22"		16716	26 50 54.7	94 26 09.6	Tea Garden Area			
712						47	16716						
713	AP-53/1	DP-71	Double Pole(Double Circuit)				16763	26 50 54.7	94 26 11.3	Tea Garden Area			
714						47	16763						
715	AP-53/2	DP-72	Double Pole(Double Circuit)				16810	26 50 54.7	94 26 13.0	Tea Garden Area			
716						47	16810						
717	AP-53/3	DP-73	Double Pole(Double Circuit)				16857	26 50 54.7	94 26 14.7	Tea Garden Area			
718						50	16857						
719	AP-53/4	DP-74	Double Pole(Double Circuit)				16907	26 50 54.8	94 26 16.5	Tea Garden Area			

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720						50	16907								
721	AP-53/5	DP-75	Double Pole(Double Circuit)				16957	26 50 54.8	94 26 18.3	Tea Garden Area					
722						50	16957								
723	AP-53/6	DP-76	Double Pole(Double Circuit)				17007	26 50 54.8	94 26 20.1	Tea Garden Area					
724						47	17007								
725	AP-53/7	DP-77	Double Pole(Double Circuit)				17054	26 50 54.8	94 26 21.8	Tea Garden Area					
726						36	17054								
727	AP-53/8	DP-78	Double Pole(Double Circuit)				17090	26 50 54.9	94 26 23.1	Tea Garden Area					
728						36	17090								
729	AP-54	DP-79	Double Pole(Double Circuit)		07°52'05"		17126	26 50 54.9	94 26 24.4	Road Crossing					
730						20	17126								
731	AP-54/1	DP-80	Double Pole(Double Circuit)				17146	26 50 54.8	94 26 25.1	Paddy Land					
732						50	17146								
733	AP-54/2	DP-81	Double Pole(Double Circuit)				17196	26 50 54.9	94 26 26.9	Paddy Land					
734						47	17196								
735	AP-54/3	DP-82	Double Pole(Double Circuit)				17243	26 50 55.0	94 26 28.6	Paddy Land					
736						47	17243								
737	AP-54/4	DP-83	Double Pole(Double Circuit)				17290	26 50 55.1	94 26 30.3	Paddy Land					
738						44	17290								
739	AP-54/5	DP-84	Double Pole(Double Circuit)				17334	26 50 55.1	94 26 31.9	Paddy Land					
740						44	17334								
741	AP-55	DP-85	Double Pole(Double Circuit)		48°47'33"		17378	26 50 55.2	94 26 33.5	Paddy Land					
742						47	17378								
743	AP-55/1	DP-86	Double Pole(Double Circuit)				17425	26 50 54.2	94 26 34.8	Paddy Land					
744						49	17425								
745	AP-55/2	DP-87	Double Pole(Double Circuit)				17474	26 50 53.2	94 26 36.2	Paddy Land					
746						47	17474								
747	AP-55/3	DP-88	Double Pole(Double Circuit)				17521	26 50 52.2	94 26 37.5	Paddy Land					
748						49	17521								
749	AP-55/4	DP-89	Double Pole(Double Circuit)				17570	26 50 51.2	94 26 38.9	Paddy Land					
750						47	17570								
751	AP-55/5	DP-90	Double Pole(Double Circuit)				17617	26 50 50.2	94 26 40.2	Paddy Land					
752						49	17617								
753	AP-55/6	DP-91	Double Pole(Double Circuit)				17666	26 50 49.2	94 26 41.6	Paddy Land					
754						43	17666								
755	AP-56	DP-92	Double Pole(Double Circuit)		28°25'14"		17709	26 50 48.3	94 26 42.8	Paddy Land					
756						49	17709								
757	AP-56/1	DP-93	Double Pole(Double Circuit)				17758	26 50 47.8	94 26 44.5	Paddy Land					
758						49	17758								
759	AP-56/2	DP-94	Double Pole(Double Circuit)				17807	26 50 47.3	94 26 46.2	Paddy Land					
760						47	17807								
761	AP-56/3	DP-95	Double Pole(Double Circuit)				17854	26 50 46.8	94 26 47.8	Paddy Land					
762						46	17854								
763	AP-57	FP-12	Four Pole(Double Circuit)		44°25'35"		17900	26 50 46.0	94 26 49.2	Paddy Land					
764						49	17900								
765	AP-57/1	DP-96	Double Pole(Double Circuit)				17949	26 50 46.4	94 26 50.9	Paddy Land					
766						49	17949								
767	AP-57/2	DP-97	Double Pole(Double Circuit)				17998	26 50 46.9	94 26 52.6	Paddy Land					
768						49	17998								
769	AP-57/3	DP-98	Double Pole(Double Circuit)				18047	26 50 47.3	94 26 54.3	Paddy Land					
770						48	18047								
771	AP-57/4	DP-99	Double Pole(Double Circuit)				18095	26 50 47.7	94 26 56.0	Paddy Land					
772						49	18095								
773	AP-57/5	DP-100	Double Pole(Double Circuit)				18144	26 50 48.1	94 26 57.7	Paddy Land					
774						49	18144								
775	AP-57/6	DP-101	Double Pole(Double Circuit)				18193	26 50 48.5	94 26 59.4	Paddy Land					
776						43	18193								
777	AP-58	DP-102	Double Pole(Double Circuit)		45°56'21"		18236	26 50 48.9	94 27 00.9	Paddy Land					
778						44	18236								
779	AP-58/1	DP-103	Double Pole(Double Circuit)				18280	26 50 48.4	94 27 02.4	Paddy Land					
780						44	18280								
781	AP-58/2	DP-104	Double Pole(Double Circuit)				18324	26 50 47.9	94 27 03.9	Paddy Land					
782						38	18324								
783	AP-58/3	DP-105	Double Pole(Double Circuit)				18362	26 50 47.5	94 27 05.2	Paddy Land					
784						39	18362								
785	AP-59	DP-106	Double Pole(Double Circuit)		32°18'42"		18401	26 50 47.0	94 27 06.5	Paddy Land					
786						49	18401								
787	AP-59/1	DP-107	Double Pole(Double Circuit)				18450	26 50 45.8	94 27 07.6	Paddy Land					
788						48	18450								
789	AP-59/2	DP-108	Double Pole(Double Circuit)				18498	26 50 44.6	94 27 08.8	Paddy Land					
790						46	18498								
791	AP-59/3	DP-109	Double Pole(Double Circuit)				18544	26 50 43.4	94 27 09.8	Tea Garden Area					
792						48	18544								

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	793	AP-59/4	DP-110	Double Pole(Double Circuit)				18592	26 50 42.2	94 27 10.9	Tea Garden Area			
	794						48	18592						

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795	AP-59/5	DP-111	Double Pole(Double Circuit)				18640	26 50 41.0	94 27 12.1	Tea Garden Area			
796						47	18640						
797	AP-59/6	DP-112	Double Pole(Double Circuit)				18687	26 50 39.9	94 27 13.1	Tea Garden Area			
798						48	18687						
799	AP-59/7	DP-113	Double Pole(Double Circuit)				18735	26 50 38.7	94 27 14.2	Tea Garden Area			
800						48	18735						
801	AP-59/8	DP-114	Double Pole(Double Circuit)				18783	26 50 37.5	94 27 15.3	Tea Garden Area			
802						49	18783						
803	AP-60	DP-115	Double Pole(Double Circuit)		78°71'39"		18832	26 50 36.3	94 27 16.5	Tea Garden Area			
804						55	18832						
805	AP-60/1	DP-116	Double Pole(Double Circuit)				18887	26 50 36.9	94 27 18.3	Paddy Land			
806						50	18887						
807	AP-61	DP-117	Double Pole(Double Circuit)		28°23'43"		18937	26 50 37.5	94 27 20.0	**Road Crossing**			
808						43	18937						
809	AP-61/1	DP-118	Double Pole(Double Circuit)				18980	26 50 37.5	94 27 21.6	Tea Garden Area			
810						44	18980						
811	AP-61/2	DP-119	Double Pole(Double Circuit)				19024	26 50 37.5	94 27 23.2	Tea Garden Area			
812						45	19024						
813	AP-61/3	DP-120	Double Pole(Double Circuit)				19069	26 50 37.5	94 27 24.8	Paddy Land			
814						45	19069						
815	AP-61/4	DP-121	Double Pole(Double Circuit)				19114	26 50 37.5	94 27 26.4	Paddy Land			
816						44	19114						
817	AP-61/5	DP-122	Double Pole(Double Circuit)				19158	26 50 37.5	94 27 28.0	Paddy Land			
818						44	19158						
819	AP-61/6	DP-123	Double Pole(Double Circuit)				19202	26 50 37.3	94 27 29.6	Paddy Land			
820						44	19202						
821	AP-61/7	DP-124	Double Pole(Double Circuit)				19246	26 50 37.2	94 27 31.2	Paddy Land			
822						46	19246						
823	AP-61/8	DP-125	Double Pole(Double Circuit)				19292	26 50 37.1	94 27 32.9	Paddy Land			
824						45	19292						
825	AP-62	DP-126	Double Pole(Double Circuit)		26°31'56"		19337	26 50 37.0	94 27 34.5	**Road Crossing**			
826						22	19337						
827	AP-62/1	DP-127	Double Pole(Double Circuit)				19359	26 50 36.5	94 27 35.1	Private Land			
828						40	19359						
829	AP-62/2	DP-128	Double Pole(Double Circuit)				19399	26 50 35.9	94 27 36.4	Private Land			
830						26	19399						
831	AP-62/3	DP-129	Double Pole(Double Circuit)				19425	26 50 35.5	94 27 37.2	Private Land			
832						37	19425						
833	AP-63	DP-130	Double Pole(Double Circuit)		46°42'35"		19462	26 50 34.8	94 27 38.3	Private Land			
834						41	19462						
835	AP-63/1	DP-131	Double Pole(Double Circuit)				19503	26 50 35.2	94 27 39.7	Private Land			
836						47	19503						
837	AP-63/2	DP-132	Double Pole(Double Circuit)				19550	26 50 35.7	94 27 41.3	Private Land			
838						49	19550						
839	AP-64	DP-133	Double Pole(Double Circuit)		22°32'12"		19599	26 50 36.2	94 27 43.0	Private Land			
840						42	19599						
841	AP-64/1	DP-134	Double Pole(Double Circuit)				19641	26 50 36.0	94 27 44.5	Private Land			
842						41	19641						
843	AP-64/2	DP-135	Double Pole(Double Circuit)				19682	26 50 36.0	94 27 46.0	Private Land			
844						41	19682						
845	AP-65	DP-136	Double Pole(Double Circuit)		18°58'64"		19723	26 50 36.0	94 27 47.5	Private Land			
846						35	19723						
847	AP-66	DP-137	Double Pole(Double Circuit)		19°41'63"		19758	26 50 35.6	94 27 48.7	Private Land			
848						49	19758						
849	AP-67	DP-138	Double Pole(Double Circuit)		15°84'09"		19807	26 50 36.0	94 27 50.4	Private Land			
850						39	19807						
851	AP-67/1	DP-139	Double Pole(Double Circuit)				19846	26 50 36.8	94 27 51.5	Private Land			
852						33	19846						
853	AP-68	DP-140	Double Pole(Double Circuit)		89°61'28"		19879	26 50 37.5	94 27 52.4	Private Land			
854						34	19879						
855	AP-68/1	DP-141	Double Pole(Double Circuit)				19913	26 50 36.5	94 27 52.9	Private Land			
856						38	19913						
857	AP-69	DP-142	Double Pole(Double Circuit)		21°56'15"		19951	26 50 35.4	94 27 53.5	Private Land			
858						31	19951						
859	AP-70	DP-143	Double Pole(Double Circuit)		06°24'45"		19982	26 50 34.4	94 27 53.4	Private Land			
860						50	19982						
861	AP-70/1	DP-144	Double Pole(Double Circuit)				20032	26 50 32.8	94 27 53.7	Private Land			
862						44	20032						
863	AP-70/2	DP-145	Double Pole(Double Circuit)				20076	26 50 31.4	94 27 54.0	Private Land			
864						48	20076						
865	AP-70/3	DP-146	Double Pole(Double Circuit)				20124	26 50 29.9	94 27 54.5	Private Land			
866						44	20124						
867	AP-70/4	DP-147	Double Pole(Double Circuit)				20168	26 50 28.5	94 27 54.8	Private Land			

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868						46	20168							
869	AP-71	DP-148	Double Pole(Double Circuit)		35°19'34"		20214	26 50 27.0	94 27 54.8	Substation Area				
870						30	29214							
871	AP-72	DP-149	Double Pole(Double Circuit)		42°63'15"		20244	26 50 26.3	94 27 55.5	Substation Area				
872						30	20244							
873	AP-72/1	DP-150	Double Pole(Double Circuit)				20274	26 50 26.2	94 27 56.6	Substation Area				
874						31	20274							
875	AP-73	FP-13	Four Pole(Double Circuit)		91°56'36"		20305	26 50 26.1	94 27 57.7	Substation Area				
876						36	20305							
877	AP-73/1	DP-151	Double Pole(Double Circuit)				20341	26 50 25.0	94 27 57.8	Substation Area				
878						41	20341							
879	AP-73/2	DP-152	Double Pole(Double Circuit)				20382	26 50 23.7	94 27 57.8	Substation Area				
880						43	20382							
881	AP-73/3	DP-153	Double Pole(Double Circuit)				20425	26 50 22.3	94 27 57.9	Substation Area				
882						39	20425							
883	AP-74	FP-14	Four Pole(Double Circuit)		94°68'33"		20464	26 50 21.0	94 27 58.0	Substation Area				
884						28	20464							
885	AP-74/1	DP-154	Double Pole(Double Circuit)				20492	26 50 21.0	94 27 57.0	Substation Area				
886						30	20492							
887	AP-75	FP-15	Four Pole(Double Circuit)		86°44'18"		20522	26 50 21.0	94 27 55.9	Substation Area				
888						16	20522							
889		GANTRY	GANTRY				20538	26 50 21.5	94 27 55.8	Proposed 132/33KV S/s				
890														

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ANNEXURE - 2

Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Zangi Substation

Route 1

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
1	GANTRY	FP-1	8 m	Proposed 132/33KV Teok S/s	
2	FP-1	FP-2	17 m	Substation Area	
3	FP-2	FP-3	35 m	Substation Area	
4	FP-3	SP-1	43 m	Substation Area	
5	SP-1	SP-2	46 m	Substation Area	
6	SP-2	SP-3	44 m	Substation Area	
7	SP-3	SP-4	45 m	Substation Area	
8	SP-4	SP-5	46 m	Substation Area	
9	SP-5	SP-6	45 m	Substation Area	
10	SP-6	SP-7	45 m	Substation Area	
11	SP-7	SP-8	46 m	Private Land	
12	SP-8	DP-1	47 m	Private Land	
13	DP-1	SP-9	42 m	Private Land	
14	SP-9	SP-10	45 m	Private Land	
15	SP-10	SP-11	46 m	Private Land	
16	SP-11	SP-12	45 m	Private Land	
17	SP-12	SP-13	46 m	Private Land	
18	SP-13	SP-14	47 m	Private Land	
19	SP-14	SP-15	46 m	Private Land	
20	SP-15	SP-16	46 m	Private Land	
21	SP-16	SP-17	46 m	Private Land	
22	SP-17	SP-18	44 m	Paddy Field/Private Land	
23	SP-18	DP-2	46 m	Paddy Field/Private Land	
24	DP-2	DP-3	46 m	Paddy Field/Private Land	
25	DP-3	SP-19	44 m	Paddy Field/Private Land	
26	SP-19	SP-20	45 m	Paddy Field/Private Land	
27	SP-20	SP-21	46 m	Paddy Field	
28	SP-21	SP-22	45 m	Paddy Field	
29	SP-22	SP-23	45 m	Paddy Field	
30	SP-23	SP-24	46 m	Paddy Field	
31	SP-24	SP-25	45 m	Paddy Field	
32	SP-25	SP-26	47 m	Paddy Field	
33	SP-26	SP-27	45 m	Paddy Field	
34	SP-27	SP-28	45 m	Paddy Field	
35	SP-28	SP-29	46 m	Paddy Field	
36	SP-29	FP-4	43 m	Paddy Field	
37	FP-4	SP-30	46 m	Paddy Field	
38	SP-30	SP-31	46 m	Paddy Field	
39	SP-31	SP-32	46 m	Paddy Field	
40	SP-32	DP-4	46 m	Paddy Field	
41	DP-4	SP-33	47 m	Paddy Field	
42	SP-33	SP-34	46 m	Paddy Field	
43	SP-34	SP-35	45 m	Paddy Field	
44	SP-35	SP-36	46 m	Paddy Field	
45	SP-36	SP-37	46 m	Paddy Field	
46	SP-37	SP-38	46 m	Paddy Field	
47	SP-38	SP-39	46 m	Paddy Field	
48	SP-39	SP-40	45 m	Paddy Field	

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SIBSAGAR ELECT. DIVN.
DCL (UAR) SIBSAGAR

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Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Zangi Substation

Route 1

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
49	SP-40	DP-5	47 m	Paddy Field	
50	DP-5	SP-41	45 m	Paddy Field	
51	SP-41	SP-42	45 m	Paddy Field	
52	SP-42	SP-43	45 m	Paddy Field	
53	SP-43	SP-44	45 m	Paddy Field	
54	SP-44	SP-45	46 m	Paddy Field	
55	SP-45	SP-46	47 m	Paddy Field	
56	SP-46	SP-47	45 m	Paddy Field	
57	SP-47	SP-48	45 m	Paddy Field	
58	SP-48	SP-49	46 m	Paddy Field	
59	SP-49	SP-50	46 m	Paddy Field	
60	SP-50	SP-51	45 m	Paddy Field	
61	SP-51	SP-52	45 m	Paddy Field	
62	SP-52	SP-53	46 m	Paddy Field	
63	SP-53	SP-54	45 m	Paddy Field	
64	SP-54	SP-55	47 m	Paddy Field	
65	SP-55	SP-56	45 m	Paddy Field	
66	SP-56	DP-6	46 m	Paddy Field	
67	DP-6	SP-57	45 m	Paddy Field	
68	SP-57	SP-58	45 m	Paddy Field	
69	SP-58	SP-59	45 m	Paddy Field	
70	SP-59	SP-60	46 m	Paddy Field	
71	SP-60	SP-61	46 m	Paddy Field	
72	SP-61	SP-62	45 m	Paddy Field	
73	SP-62	SP-63	46 m	Paddy Field	
74	SP-63	SP-64	45 m	Paddy Field	
75	SP-64	SP-65	45 m	Paddy Field	
76	SP-65	SP-66	46 m	Paddy Field	
77	SP-66	SP-67	46 m	Paddy Field	
78	SP-67	SP-68	46 m	Paddy Field	
79	SP-68	SP-69	46 m	Paddy Field	
80	SP-69	DP-7	44 m	Paddy Field	
81	**DP-7**	**DP-8**	**45 m**	**Nallah Crossing**	
82	DP-8	SP-70	45 m	Paddy Field/Private Land	
83	SP-70	SP-71	45 m	Paddy Field/Private Land	**Tree Cutting Required**
84	SP-71	FP-5	43 m	Paddy Field/Private Land	
85	FP-5	SP-72	45 m	Paddy Field	
86	SP-72	SP-73	45 m	Paddy Field	
87	SP-73	SP-74	45 m	Paddy Field	
88	SP-74	FP-6	45 m	Paddy Field	
89	FP-6	SP-75	45 m	Road	
90	SP-75	SP-76	46 m	Road	**Tree Cutting may be required**
91	SP-76	DP-9	46 m	Road	
92	DP-9	SP-77	40 m	Paddy Field/Private Land	
93	SP-77	SP-78	48 m	Paddy Field/Private Land	
94	SP-78	SP-79	47 m	Paddy Field/Private Land	
95	SP-79	SP-80	48 m	Paddy Field/Private Land	
96	SP-80	SP-81	48 m	Paddy Field	

गि. गणेश स्वरूप, सहायक अभियन्ता
G. GANESH SWAROOP, ASST. ENGINEER
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Sub-Divisional Engineer
Gaurisagar Electrical Sub-Division
DCL, Gaurisagar

ASSTT. GENERAL MANAGER
SIBSAGAR ELECT. DIVN
APDCL (UAR) SIBSAGAR

STERLING AND WILSON PVT. LTD.
Kolkata

Name of Package:	ASM-DMS-02
Name of Work:	33kV New Line from Proposed 132kV/33kV Teok Substation to Existing 33/11kV Zangi Substation

Route 1

SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
97	SP-81	SP-82	48 m	Paddy Field	
98	SP-82	DP-10	48 m	Paddy Field	
99	DP-10	SP-83	48 m	Paddy Field	
100	SP-83	SP-84	49 m	Paddy Field	
101	SP-84	SP-85	49 m	Paddy Field	
102	SP-85	SP-86	49 m	Paddy Field	
103	SP-86	DP-11	49 m	Paddy Field	
104	DP-11	DP-12	42 m	Paddy Field	
105	DP-12	SP-87	49 m	Paddy Field	
106	SP-87	DP-13	49 m	Paddy Field	
107	DP-13	SP-88	53 m	Paddy Field	
108	SP-88	SP-89	50 m	Paddy Field	
109	SP-89	SP-90	50 m	Paddy Field	
110	SP-90	DP-14	50 m	Paddy Field	
111	DP-14	SP-91	50 m	Village Road	Dense Bamboo Trees
112	SP-91	SP-92	50 m	Village Road	
113	SP-92	SP-93	49 m	Village Road	
114	SP-93	SP-94	50 m	Village Road	
115	SP-94	SP-95	50 m	Village Road	
116	SP-95	DP-15	50 m	Paddy Field	
117	DP-15	SP-96	44 m	Paddy Field	
118	SP-96	SP-97	43 m	Paddy Field	
119	SP-97	SP-98	48 m	Paddy Field	
120	SP-98	SP-99	47 m	Paddy Field	
121	SP-99	SP-100	48 m	Paddy Field	
122	SP-100	SP-101	48 m	Paddy Field	
123	SP-101	SP-102	48 m	Paddy Field	
124	SP-102	SP-103	48 m	Paddy Field	
125	SP-103	SP-104	48 m	Paddy Field	
126	SP-104	SP-105	48 m	Paddy Field	
127	SP-105	SP-106	47 m	Paddy Field	
128	SP-106	SP-107	48 m	Paddy Field	
129	SP-107	SP-108	48 m	Paddy Field	
130	SP-108	SP-109	48 m	Paddy Field	
131	SP-109	DP-16	46 m	Paddy Field	
132	DP-16	SP-110	44 m	Road Crossing	Road Crossing
133	SP-110	SP-111	45 m	Paddy Field	
134	SP-111	SP-112	46 m	Paddy Field	
135	SP-112	SP-113	44 m	Paddy Field	
136	SP-113	DP-17	45 m	Paddy Field	
137	DP-17	DP-18	26 m	Substation Area	
138	DP-18	FP-7	43 m	Substation Area	
139	FP-7	GANTRY	11 m	Existing 33KV Jhanji S/s	

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Sub-Divisional Engineer
Gaurisagar Electrical Sub-Division
DCL, Gaurisagar

KOLKATA AND WILSON PVT. LTD.

POLE SCHEDULE | Annexure-1

132kV S/S TEOK TO AMGURI (EXSISTING) LINE

CLIENT: POWER GRID CORPORATION OF INDIA LIMITED

LOA Ref. No.: 1.CC-CS/94-NER/REW-3081/1/G10/CA-I/7117 -Supply
2.CC-CS/94-NER/REW-3081/1/G10/CA-II/7118 -Services
DMS-02 **PACKAGE: ASM-**

CONTRACTOR: M/S STERLING AND WILSON PVT.

PACKAGE:ASM- ASM-DMS-02

SL. No.	Angle Point	Loc. No	Pole Type	Extn.	Angle of Deviation	Span Length (m)	Cumm. Span (m)	Co-Ordinates		Description of Land	Crossing Details	Village Name	Remarks
								Latitude	Longitude				
		GANTRY	GANTRY					26 50 21.2	94 27 57.4	Teok S/s			
1	AP-1	SP-1	Single Pole			31		26 50 21.2	94 27 56.5	Substation Area			
2	AP-2	DP-1	Double pole		11°15'35"	63	31	26 50 20.2	94 27 56.5	NH Crossing			
3	AP-3	DP-2	Double Pole		83°18'41"	50	94	26 50 18.2	94 27 56.6	Private Land			UG Cable
4	AP-3/1	SP-2	Single Pole			50	144	26 50 18.1	94 27 58.4	Private Land			
5	AP-3/2	SP-3	Single Pole			50	194	26 50 17.9	942800.2	Private Land	Nala Crossing	Koliapani	
6	AP-3/2	SP-4	Single Pole			50	244	26 50 17.8	94 28 02.0	Paddy Field			
7	AP-3/3	SP-5	Single Pole			50	294	26 50 17..7	94 28 03.8	Paddy Field			
8	AP-3/4	SP-6	Single Pole			50	344	26 50 17.6	94 28 05.6	Paddy Field			
9	AP-3/5	SP-7	Single Pole			50	394	26 50 27.5	94 28 07.4	**Village Road** Paddy Field			
10	AP-3/6	SP-8	Single Pole			50	444	26 50 17.5	94 28 09.2	Private Land			
11	AP-3/7	SP-9	Single Pole			52	496	26 50 17.3	94 28 11.1	**Pond** Private Land/Residential			
12	AP-3/8	SP-10	Single Pole			52	548	26 50 17.1	94 28 13.0	Private Land/Residential			
13	AP-4	DP-3	Double Pole		12°33'05"	52	600	26 50 17.2	94 28 14.9	Private Land/Residential			
14	AP-4/1	SP-11	Single Pole			48	648	26 50 16.7	94 28 16.6	**Village Road** Private Land/Residential			
15	AP-4/2	SP-12	Single Pole			50	698	26 50 16.3	94 28 18.3	Tea Garden			
16	AP-4/3	SP-13	Single Pole			45	743	26 50 16.7	94 28 16.6	Tea Garden			
17	AP-4/4	SP-14	Single Pole			50	793	26 50 15.8	94 28 21.7	Tea Garden			
18	AP-5	DP-4	Double Pole		20°23'15"	48	841	26 50 15.5	94 28 23.4	Tea Garden			
19	AP-5/1	SP-15	Single Pole			50	891	26 50 15.5	94 28 25.2	Tea Garden			
20	AP-5/2	SP-16	Single Pole			50	941	26 50 15.5	94 28 27.0	Tea Garden			
21	AP-6	DP-5	Double Pole		13°18'10"	48	989	26 50 15.5	94 28 28.5	**Village Road** Paddy Field/Private Land			
22	AP-6/1	SP-17	Single Pole			50	1039	26 50 15.8	94 28 30.6	Paddy Field/Private Land			
23	AP-6/2	SP-18	Single Pole			50	1089	26 50 16.1	94 28 32.3	Paddy Field/Private Land			
24	AP-6/3	SP-19	Single Pole			50	1139	26 50 16.4	94 28 34.1	**Village Road** Paddy Field/Private Land			
25	AP-6/4	SP-20	Single Pole			50	1189	26 50 16.8	94 28 35.9	Paddy Field/Private Land			
26	AP-6/5	SP-21	Single Pole			50	1239	26 50 17.1	94 28 37.1	Residential area	11KV Line Crossing	Hanhchara village	SP76 Pole
27	AP-6/6	SP-22	Single Pole			50	1289	26 50 17.4	94 28 39.4	Residential area			SP76 Pole
28	AP-6/7	SP-23	Single Pole			50	1339	26 50 517.8	94 28 41.2	Residential area			
29	AP-6/8	SP-24	Single Pole			50	1389	26 50 18.1	94 28 43.0	Residential area			
30	AP-7	DP-6	Double Pole		16°33'05"	28	1417	26 50 18.3	94 28 44.0	**Road Crossing** Residential area			
31	AP-7/1	SP-25	Single Pole			50	1467	26 50 18.7	94 28 45.7	Residential area			
32	AP-7/2	SP-26	Single Pole			50	1517	26 50 19.1	94 28 47.5	Residential area			
33	AP-7/3	SP-27	Single Pole			50	1567	26 50 19.5	94 28 49.2	Residential area			
34	AP-7/4	SP-28	Single Pole			50	1617	26 50 19.9	94 28 51.0	Residential area			
35	AP-7/5	SP-29	Single Pole			50	1667	26 50 20.3	94 28 52.7	**Pond** Temple/Residential Area			
36	AP-7/6	SP-30	Single Pole			45	1712	26 50 20.6	94 28 44.3	Residential area			
37	AP-7/7	SP-31	Single Pole			50	1762	26 50 21.0	94 28 56.1	**Road crossing** Residential area			
38	AP-8	DP-7	Double Pole		35°51'00"	54	1816	26 50 21.4	94 28 58.0	Paddy Field			
39	AP-8/1	SP-32	Single Pole			54	1870	26 50 22.6	94 28 59.4	Paddy Field			
40	AP-8/2	SP-33	Double Pole			54	1924	26 50 23.9	94 29 00.8	Paddy Field			

Amit Raj
Site In-Charge
STERLING & WILSON (P) LTD.
ASM-DMS-02

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CHANDRA SHEKHAR BHATT, ENGINEER
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17.6.20

Asst. General Manager
NAZIRA ELECT-DIVISION
APDCL-ASEe-NAZIRA

17.6.20

सत्यु नारायन दे, उप महा प्रब
S. N. DEY, DY. GENERAL M
पावरग्रिड, एन. ई. आर. पि. एस. आ
POWERGRID, NERPSIP,

PROFESSIONAL ENGINEER
SUB DIVISION
AMGURI ELECTRICAL SUB DIVISION
APDCL AMGURI

41	AP-8/3	SP-34	Single Pole					1978	26 50 25.1	94 29 02.2	Paddy Field				
42	AP-8/4	SP-35	Single Pole			54		2032	26 50 26.4	94 29 03.6	Paddy Field				
43	AP-8/5	SP-36	Single Pole			55		2087	26 50 27.6	94 29 05.0	Paddy Field				
44	AP-8/6	SP-37	Single Pole			55		2133	26 50 28.9	94 29 06.4	Paddy Field				
45	AP-8/7	SP-38	Single Pole			55		2188	26 50 30.1	94 29 07.8	Paddy Field				
46	AP-9	DP-8	Double Pole		15°11'51"	55		2243	26 50 31.4	94 29 09.2	Paddy Field				
47	AP-9/1	SP-39	Single Pole			51		2294	26 50 32.6	94 29 10.5	Paddy Field	11KV Line Crossing	Hanhchara village/Jhanji		SP76 Pole
48	AP-9/2	SP-40	Single Pole			51		2345	26 50 33.8	94 29 11.8	Paddy Field				SP76 Pole
49	AP-9/3	SP-41	Single Pole			50		2395	26 50 34.9	94 29 13.1	Paddy Field				
50	AP-10	DP-9	Double Pole		14°19'03"	51		2446	26 50 36.1	94 29 14.4	Paddy Field				
51	AP-10/1	SP-42	Single Pole			56		2502	26 50 37.1	94 29 14.4	Paddy Field				
52	AP-10/2	SP-43	Single Pole			55		2557	26 50 38.2	94 29 17.6	Paddy Field				
53	AP-10/3	SP-44	Single Pole			56		2613	26 50 39.3	94 29 19.2	Paddy Field				
54	AP-10/4	SP-45	Single Pole			56		2669	26 50 40.3	94 29 20.9	Paddy Field				
55	AP-11	FP-1	Four pole		89°35'21"	56		2725	26 50 41.4	94 29 22.5	Paddy Field				
56	AP-11/1	SP-46	Single Pole			51		2776	26 50 40.6	94 29 24.2	Paddy Field				
57	AP-11/2	SP-47	Single Pole			51		2827	26 50 39.8	94 29 25.7	Paddy Field				
58	AP-12	DP-10	Double Pole		05°19'03"	51		2878	26 50 38.9	94 29 27.3					
59	AP-13	DP-11	Double Pole		02°10'06"	112		2990	26 50 36.8	94 29 30.6	River Crossing	Jhanji River	Jhanji		SP76 Pole
60	AP-13/1	SP-48	Single Pole			50+		3040	26 50 35.7	94 29 32.0	Paddy Field				SP76 Pole
61	AP-13/2	SP-49	Single Pole			50		3090	26 50 34.6	94 29 33.3	Pond Paddy Field				
62	AP-13/3	SP-50	Single Pole			51		3141	26 50 33.5	94 29 34.7	Paddy Field				
63	AP-13/4	SP-51	Single Pole			51		3192	26 50 32.5	94 29 36.1	Paddy Field				
64	AP-13/5	SP-52	Single Pole			51		3243	26 50 31.4	94 29 37.5	Paddy Field				
65	AP-13/6	SP-53	Single Pole			50		3293	26 50 30.4	94 29 38.9	Paddy Field				
66	AP-13/7	SP-54	Single Pole			50		3343	26 50 29.4	94 29 40.3	Paddy Field				
67	AP-13/8	SP-55	Single Pole			50		3393	26 50 28.3	94 29 41.7	Paddy Field				
68	AP-14	DP-12	Double Pole		26°32'25"	50		3443	26 50 27.3	94 28 43.1	Paddy Field				
69	AP-14/1	SP-56	Single Pole			52		3495	26 50 25.9	94 28 44.2	Paddy Field				
70	AP-14/2	SP-57	Single Pole			52		3547	26 50 24.5	94 29 45.3	Paddy Field				
71	AP-14/3	SP-58	Single Pole			52		3599	26 50 23.2	94 29 46.5	Stone crusher plant	Road crossing/11 KV line	Cheuni Ali		SP76 Pole
72	AP-14/4	SP-59	Single Pole			53		3652	26 50 21.7	94 29 47.5	Paddy Field				SP76 Pole
73	AP-14/5	SP-60	Single Pole			50		3702	26 50 20.4	94 29 48.6	Paddy Field				
74	AP-14/6	SP-61	Single Pole			52		3754	26 50 19.0	94 29 49.7	Paddy Field				
75	AP-14/7	SP-62	Single Pole			52		3806	26 50 17.7	94 29 50.8	Paddy Field				
76	AP-14/8	SP-63	Single Pole			52		3858	26 50 16.3	94 29 51.9	Paddy Field				
77	AP-15	DP-13	Double Pole		16°19'05"	52		3910	26 50 15.0	94 29 53.1	Paddy Field				
78	AP-15/1	SP-64	Single Pole			52		3962	26 50 13.6	94 29 44.1	Paddy Field				
79	AP-15/2	SP-65	Single Pole			52		4014	26 50 12.2	94 29 55.2	Paddy Field				
80	AP-15/3	SP-66	Single Pole			52		4066	26 50 10.8	94 29 56.3	Paddy Field				
81	AP-15/4	SP-67	Single Pole			52		4118	26 50 09.4	94 29 57.4	Village Road Crossing Paddy Field				
82	AP-15/5	SP-68	Single Pole			52		4170	26 50 08.1	94 29 58.5	Paddy Field				
83	AP-15/6	SP-69	Single Pole			52		4222	26 50 06.7	94 29 59.6	Paddy Field	132 KV HT line	Gadhali Bazar		
84	AP-15/7	SP-70	Single Pole			45		4267	26 50 05.5	94 30 00.6	Paddy Field				SP76 Pole
85	AP-15/8	SP-71	Single Pole			53		4320	26 50 04.1	94 30 01.7	Paddy Field	11 KV Line Crossing	Gadhali Bazar		SP76 Pole
86	AP-16	DP-14	Double Pole		10°59'22"	55		4375	26 50 02.7	94 30 02.9	Paddy Field				
87	AP-16/1	SP-72	Single Pole			52		4427	26 50 01.4	94 30 04.1	Pond Paddy Field				
88	AP-16/2	SP-73	Single Pole			52		4479	26 50 00.0	94 30 05.62	Paddy Field				
89	AP-16/3	SP-74	Single Pole			52		4531	26 49 58.6	94 30 06.3	Paddy Field				

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NDMS-02

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APDCL-ASEe-NAZIRA

90	AP-16/4	SP-75	Single Pole			52	4583	26 49 57.3	94 30 07.4	Paddy Field				
91	AP-16/5	SP-76	Single Pole			49	4632	26 49 56.0	94 30 08.5	Paddy Field				
92	AP-16/6	SP-77	Single Pole			50	4682	26 49 54.7	94 30 09.6	132 KV HT line Private Land	132 KV HT line	Gadhali Bazar chawdang		
93	AP-16/7	SP-78	Single Pole			52	4734	26 49 53.4	94 30 10.7	Private Land				
94	AP-16/8	SP-79	Single Pole			52	4786	26 49 52.0	94 30 11.8	Road Crossing Private Land				
95	AP-17	DP-15	Double Pole	23°42'33"		52	4838	26 49 50.6	94 30 12.9					
96	AP-17/1	SP-80	Single Pole			52	4890	26 49 49.4	94 30 14.3	Paddy Field/Private Land				
97	AP-17/2	SP-81	Single Pole			52	4942	26 49 48.2	94 30 15.6	Paddy Field				
98	AP-17/3	SP-82	Single Pole			52	4994	26 49 47.0	94 30 16.9	Paddy Field				
99	AP-17/4	SP-83	Single Pole			52	5046	26 49 45.7	94 30 18.2	Paddy Field	11 Kv Line Crossing	Gadhali Bazar chawdang	SP76 Pole	
100	AP-17/5	SP-84	Single Pole			52	5098	26 49 44.5	94 30 19.6	Paddy Field			SP76 Pole	
101	AP-17/6	SP-85	Single Pole			55	5153	26 49 43.3	94 30 20.9	Paddy Field				
102	AP-17/7	SP-86	Single Pole			55	5208	26 49 42.0	94 30 22.3	Paddy Field				
103	AP-17/8	SP-87	Single Pole			55	5263	26 49 40.7	94 30 22.6	Paddy Field	400 KV HT Line	Gadhali Bazar chawdang		
104	AP-18	DP-16	Double Pole	13°56'63"		49	5312	26 49 39.7	94 30 24..9	Paddy Field				
105	AP-18/1	SP-88	Double Pole			52	5364	26 49 40..7	94 30 23.7	Paddy Field				
106	AP-18/2	SP-89	Single Pole			52	5416	26 49 36.7	94 30 26.9	Paddy Field				
107	AP-18/3	SP-90	Single Pole			52	5468	26 49 35.3	94 30 27.9	Paddy Field				
108	AP-18/3	SP-91	Single Pole			53	5521	26 49 33..8	94 30 28.9	Paddy Field				
109	AP-18/4	SP-92	Single Pole			53	5574	26 49 32.4	94 30 29.9	Paddy Field				
110	AP-18/5	SP-93	Single Pole			53	5627	26 49 30.9	94 30 30.9	Road Crossing Paddy Field				
111	AP-18/6	SP-94	Single Pole			52	5679	26 49 29.4	94 30 31.9	Paddy Field				
112	AP-18/7	SP-95	Single Pole			52	5731	26 49 28.0	94 30 32.8	Paddy Field				
113	AP-19	DP-17	Double Pole	11°06'13"		52	5783	26 49 26.5	94 30 33.8	Paddy Field				
114	AP-19/1	SP-96	Double Pole			52	5835	26 49 25.1	94 30 34.8	Paddy Field				
115	AP-19/2	SP-97	Single Pole			52	5887	26 49 23.6	94 30 35.7	Paddy Field				
116	AP-19/3	SP-98	Single Pole			54	5941	26 49 22.1	94 30 36.7	Paddy Field	Road/11KV Line Crossing	Bhuyan Hat	SP76 Pole	
117	AP-19/4	SP-99	Single Pole			55	5996	26 49 20.6	94 30 37.8	Paddy Field			SP76 Pole	
118	AP-19/5	SP-100	Single Pole			55	6051	26 49 19.5	94 30 39.6	Paddy Field				
119	AP-19/6	SP-101	Single Pole			52	6103	26 49 17.5	94 30 39.6	Paddy Field				
120	AP-19/7	SP-102	Single Pole			52	6155	26 49 16.0	94 30 40.0	Paddy Field				
121	AP-19/8	SP-103	Single Pole			52	6207	26 49 14.6	94 30 41.5	Paddy Field				
122	AP-20	DP-18	Double Pole	19°27'65"		52	6259	26 49 13.2.0	94 30 42.5	Paddy Field				
123	AP-20/1	SP-104	Single Pole			52	6311	26 49 11.7	94 30 43.4	Paddy Field				
124	AP-20/2	SP-105	Single Pole			52	6363	26 49 10.2.	94 30 44.3	Cannal Crossing Paddy Field				
125	AP-20/3	SP-106	Single Pole			52	6415	26 49 08.7	94 30 45.2	Paddy Field				
126	AP-20/4	SP-107	Single Pole			52	6467	26 49 07.2	94 30 46.1	Paddy Field				
127	AP-20/5	SP-108	Single Pole			52	6519	26 49 05.70	94 30 46.9	Paddy Field				
128	AP-20/6	SP-109	Single Pole			52	6571	26 49 04.2	94 30 47.9	Paddy Field				
129	AP-20/7	SP-110	Double Pole			52	6623	26 49 02.8	94 30 48.7	Paddy Field				
130	AP-20/8	SP-111	Single Pole			53	6676	26 49 01.2	94 30 49.7	Paddy Field	11 KV Line Crossing	Roidongia	SP76 Pole	
131	AP-21	DP-19	Double Pole	32°47'36"		55	6731	26 48 59.7	94 30 50.7	Paddy Field			SP76 Pole	
132	AP-21/1	SP-112	Single Pole			54	6785	26 48 58.5	94 30 52.1	Paddy Field				
133	AP-21/2	SP-113	Single Pole			55	6840	26 48 57.3	94 30 53.5	Paddy Field				
134	AP-22	FP-2	Four Pole	75°22'42"		54	6894	26 48 56.0	94 30 54.9	Residential Area				
135	AP-22/1	SP-114	Single Pole			50	6944	26 48 56.7	94 30 56.5	Residential Area				
136	AP-22/2	SP-115	Single Pole			50	6994	26 48 57.4	94 30 58.2	Amguri By Lane Residential Area				
137	AP-22/3	SP-116	Single Pole			50	7044	26 48 57.9	94 30 59.9	Residential Area				

Amit Raj
Site In-Charge
STERLING & WILSON (P) LTD.
ASM-DMS-02

MANISH B. KHARADI, ENGINEER
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POWERGRID, NERPSIP, TEOK

चन्द्र शेखर भट्ट, अभियन्ता
CHANDRA SHEKHAR BHATT, ENGINEER
पावरग्रिड, एन. ई. आर. पी. एस. आई. पी, टियक
POWERGRID, NERPSIP, TEOK

SUB DIVISIONAL ENGINEER
AMGURI ELECTRICAL SUB DIVISION
APDCL, AMGURI

17.6.20
साम्बु नारायण दे, उप महा प्रबंधक
S.N. DEY, DY. GENERAL MAN
पावरग्रिड, एन. ई. आर. पी. एस. आइ.
POWERGRID, NERPSIP, TE

Asstt. General Manager
NAZIRA ELECT.DIVISION
APDCL-ASEG-NAZIRA

138	AP-22/4	SP-117	Single Pole				7094	26 48 58.5	94 31 01.6	Residential Area				
139	AP-23	DP-20	Double Pole	09°45'31"		37	7131	26 48 59.0	94 31 02.8	Residential Area				
140	AP-24	DP-21	Double Pole	02°63'01"		14	7145	26 48 59.2	94 31 03.3	Residential Area	Highway Crossing	Amguri Honda Motor		SP76 Pole
141	AP-24/1	SP-118	Single Pole			42	7187	26 48 59.7	94 31 04.6	sidential Area/Honda Motor				SP76 Pole
142	AP-25	DP-22	Double Pole	29°48'42"		50	7237	26 49 00.4	94 31 06.3	Residential Area				
143	AP-25/1	SP-119	Single Pole			50	7287	26 49 00.4	94 31 08.1	Residential Area				
144	AP-25/2	SP-120	Single Pole			50	7337	26 49 00.8	94 31 09.9	Paddy Field				
145	AP-25/3	SP-121	Single Pole			53	7390	26 49 01.1	94 31 11.8	Paddy Field	11 KV Line Crossing	Amguri		SP76 Pole
146	AP-25/4	SP-122	Single Pole			50	7440	26 49 01.3	94 31 13.6	Paddy Field				SP76 Pole
147	AP-26	DP-23	Double Pole	35°18'48"		50	7490	26 49 02.7	94 31 15.1	Paddy Field				
148	AP-26/1	SP-123	Single Pole			48	7538	26 49 01.1	94 31 17.0	Paddy Field	132 KV HT line	Amguri		
149	AP-27	DP-24	Double Pole	29°38'25"		48	7586	26 49 00.7	94 31 18.7	Paddy Field				
150	AP-27/1	SP-124	Single Pole			45	7631	26 49 00.9	94 31 20.3	Paddy Field				
151	AP-27/2	SP-125	Single Pole			50+	7681	26 49 02.2	94 31 22.1	Paddy Field	11 KV Line Crossing	Amguri		SP76 Pole
152	AP-27/3	SP-126	Single Pole			45	7726	26 49 01.5	94 31 23.7	Paddy Field				SP76 Pole
153	AP-27/4	SP-127	Single Pole			45	7771	26 49 01.8	94 31 25.3	Paddy Field				
154	AP-28	DP-25	Double Pole	19°23'42"		50	7821	26 49 02.1	94 31 26.9	Road Crossing Residential Area				
155	AP-28/1	SP-128	Single Pole			56	7877	26 49 01.9	94 31 28.9	Residential Area	11 KV Line Crossing/Roa	Amguri		SP76 Pole
156	AP-28/2	SP-129	Single Pole			57	7934	26 49 01.7	94 31 30.9	Residential Area				SP76 Pole
157	AP-29	DP-26	Double Pole	25°20'56"		56	7990	26 49 01.5	94 31 32.9	Residential Area				
158	AP-29/1	SP-130	Single Pole			48	8038	26 49 01.3	94 31 34.4	Residential Area				
159	AP-30	DP-27	Double Pole	22°47'32"		50	8088	26 49 01.0	94 31 35.8	Field				
160	AP-31	DP-28	Double Pole	10°02'42"		42	8130	26 49 00.3	94 31 37.1	Field	Railway Crossing	Amguri		UG Cable
161	AP-31/1	SP-131	Single Pole			51	8181	26 48 59.6	94 31 38.8	Residential Area	Road Crossing	Amguri		SP76 Pole
162	AP-32	DP-29	Double Pole	08°14'01"		50	8231	26 49 59.0	94 31 40.5	Sub-station Area				SP76 Pole

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मनीष बी. खराड़ी, अभियन्ता
MANISH B. KHARADI, ENGINEER
पावरग्रिड, एन. ई. आर. पी. एस. आई. पी, टियक
POWERGRID, NERPSIP, TEOK

15/06/2020
चन्द्र शेखर भट्ट, अभियन्ता
CHANDRA SHEKHAR BHATT, ENGINEER
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POWERGRID, NERPSIP, TEOK

17.6.20
सम्भु नारायन दे, उप महा प्रबंधक
S. N. DEY, DY. GENERAL MANAGER
पावरग्रिड, एन. ई. आर. पि. एस. आइ. पि., टीयक
POWERGRID, NERPSIP, TEOK

SUB-DIVISIONAL ENGINEER
AMGURI ELECTRICAL SUB DIVISION
APDCL AMGURI

ASSTT. MANAGER
NAZIRA ELECT DIVISION
APDCL-ASE&C NAZIRA

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
1	GANTRY			26 11 50.9	93 54 09.7					
			49							
2	SP-1	Single Pole		26 11 52.5	93 54 09.7			1		
			49							
3	SP-2	Single Pole		26 11 54.1	93 54 09.7			1		
			53							
4	DP-1	Double Pole		26 11 55.8	93 54 09.7				2	
			47			33KV,11KV,ROAD	7.8			
5	SP-3	Single Pole		26 11 57.1	93 54 10.6				1	
			49							
6	SP-4	Single Pole		26 11 58.5	93 54 11.4			1		
			47							
7	SP-5	Single Pole		26 11 59.8	93 54 12.3			1		
			49							
8	SP-6	Single Pole		26 12 01.2	93 54 13.1			1		
			49							
9	SP-7	Single Pole		26 12 02.6	93 54 13.9			1		
			50							
10	DP-2	Double Pole		26 12 04.0	93 54 14.8			2		
			50							
11	DP-3	Double Pole		26 12 05.6	93 54 15.0				2	
			50			11KV	6.1			
12	DP-4	Double Pole		26 12 06.6	93 54 16.4				2	
			39							
13	SP-8	Single Pole		26 12 07.7	93 54 17.1			1		
			32							
14	DP-5	Double Pole		26 12 08.6	93 54 17.7			2		
			47							
15	SP-9	Single Pole		26 12 10.1	93 54 17.9			1		
			50							
16	SP-10	Single Pole		26 12 11.7	93 54 18.0			1		
			43							
17	SP-11	Single Pole		26 12 13.1	93 54 18.1			1		
			53							
18	SP-12	Single Pole		26 12 14.8	93 54 18.2			1		
			48							
19	SP-13	Single Pole		26 12 16.3	93 54 18.6			1		
			44							
20	SP-14	Single Pole		26 12 17.7	93 54 18.8			1		
			38							
21	DP-6	Double Pole		26 12 18.9	93 54 19.0			2		
			51							
22	SP-15	Single Pole		26 12 20.5	93 54 19.4			1		
			48							
23	SP-16	Single Pole		26 12 22.0	93 54 19.9			1		
			48							

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
24	SP-17	Single Pole		26 12 23.5	93 54 20.3			1		
			45							
25	SP-18	Single Pole		26 12 24.9	93 54 20.7			1		
			45							
26	SP-19	Single Pole		26 12 26.3	93 54 21.1			1		
			53							
27	SP-20	Single Pole		26 12 27.8	93 54 22.0			1		
			45							
28	SP-21	Single Pole		26 12 29.2	93 54 22.5			1		
			48							
29	SP-22	Single Pole		26 12 30.7	93 54 23.0			1		
			48							
30	SP-23	Single Pole		26 12 32.2	93 54 23.5			1		
			48							
31	SP-24	Single Pole		26 12 33.7	93 54 24.0			1		
			45							
32	SP-25	Single Pole		26 12 35.1	93 54 24.5			1		
			48							
33	SP-26	Single Pole		26 12 36.6	93 54 25.0			1		
			49							
34	DP-7	Double Pole		26 12 38.1	93 54 25.6			2		
			50							
35	SP-27	Single Pole		26 12 39.7	93 54 25.8			1		
			44							
36	SP-28	Single Pole		26 12 41.1	93 54 26.1			1		
			50							
37	SP-29	Single Pole		26 12 42.7	93 54 26.3			1		
			47							
38	SP-30	Single Pole		26 12 44.2	93 54 26.6			1		
			40							
39	SP-31	Single Pole		26 12 45.5	93 54 26.7			1		
			37			LT	5.7			
40	SP-32	Single Pole		26 12 46.7	93 54 26.7			1		
			37							
41	SP-33	Single Pole		26 12 47.9	93 54 26.8			1		
			34							
42	SP-34	Single Pole		26 12 49.0	93 54 26.9			1		
			47							
43	SP-35	Single Pole		26 12 50.5	93 54 27.1			1		
			47			11KV,ROAD	8.9			70
44	SP-36	Single Pole		26 12 52.0	93 54 27.3			1		
			47							
45	DP-8	Double Pole		26 12 53.5	93 54 27.5			2		
			46							
46	SP-37	Single Pole		26 12 55.0	93 54 27.5			1		
			49							
47	SP-38	Single Pole		26 12 56.6	93 54 27.5			1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
			46							
48	SP-39	Single Pole		26 12 58.1	93 54 27.4			1		
			46							
49	SP-40	Single Pole		26 12 59.6	93 54 27.4			1		
			47							
50	SP-41	Single Pole		26 13 01.1	93 54 27.1			1		
			49							
51	SP-42	Single Pole		26 13 02.7	93 54 27.1				1	
			34			11KV	7.5			
52	SP-43	Single Pole		26 13 03.8	93 54 27.0				1	
			40							
53	DP-9	Double Pole		26 13 05.1	93 54 27.1			2		
			40			ROAD				
54	SP-44	Single Pole		26 13 06.4	93 54 27.1			1		
			47							
55	SP-45	Single Pole		26 13 07.9	93 54 26.9			1		
			47							
56	SP-46	Single Pole		26 13 09.4	93 54 26.7			1		
			50							
57	SP-47	Single Pole		26 13 11.0	93 54 26.6			1		
			47			LT	5			
58	SP-48	Single Pole		26 13 12.5	93 54 26.4			1		
			46							
59	SP-49	Single Pole		26 13 14.0	93 54 26.3			1		
			37							
60	DP-10	Double Pole		26 13 15.2	93 54 26.2			2		
			36							
61	DP-11	Double Pole		26 13 16.3	93 54 25.8			2		
			50							
62	SP-50	Single Pole		26 13 17.9	93 54 26.1			1		
			46			ROAD				
63	SP-51	Single Pole		26 13 19.4	93 54 26.2			1		
			46							
64	SP-52	Single Pole		26 13 20.9	93 54 26.3			1		
			49							
65	SP-53	Single Pole		26 13 22.5	93 54 26.3			1		
			46							
66	SP-54	Single Pole		26 13 24.0	93 54 26.3			1		
			50							
67	SP-55	Single Pole		26 13 25.6	93 54 26.4			1		
			44							
68	SP-56	Single Pole		26 13 27.0	93 54 26.2				1	
			41			11KV	7.1			
69	DP-12	Double Pole		26 13 28.3	93 54 26.4				2	
			50							
70	SP-57	Single Pole		26 13 29.9	93 54 26.5				1	
			38			11KV,ROAD	7.5			

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
71	SP-58	Single Pole		26 13 31.1	93 54 26.8				1	
			34							
72	DP-13	Double Pole		26 13 32.1	93 54 27.3			2		
			45							
73	SP-59	Single Pole		26 13 33.5	93 54 27.8			1		
			48							
74	SP-60	Single Pole		26 13 35.0	93 54 28.2			1		
			45							
75	SP-61	Single Pole		26 13 36.4	93 54 28.7			1		
			51			LT	5.7			
76	SP-62	Single Pole		26 13 38.0	93 54 29.2			1		
			48							
77	SP-63	Single Pole		26 13 39.5	93 54 29.6			1		
			45							
78	SP-64	Single Pole		26 13 40.9	93 54 30.1			1		
			51							
79	SP-65	Single Pole		26 13 42.5	93 54 30.6			1		
			45							
80	SP-66	Single Pole		26 13 43.9	93 54 31.0			1		
			36							
81	DP-14	Double Pole		26 13 45.0	93 54 31.4			2		
			50							
82	SP-67	Single Pole		26 13 46.6	93 54 31.6				1	
			47			11KV	6.8			
83	SP-68	Single Pole		26 13 48.1	93 54 31.8				1	
			50			LT	5.1			
84	SP-69	Single Pole		26 13 49.7	93 54 32.0			1		
			50							
85	SP-70	Single Pole		26 13 51.3	93 54 32.1			1		
			46							
86	SP-71	Single Pole		26 13 52.8	93 54 32.0			1		
			53							
87	SP-72	Single Pole		26 13 54.5	93 54 31.8			1		
			44							
88	SP-73	Single Pole		26 13 55.9	93 54 31.5			1		
			51							
89	SP-74	Single Pole		26 13 57.5	93 54 31.1			1		
			51							
90	SP-75	Single Pole		26 13 59.1	93 54 30.7			1		
			44							
91	SP-76	Single Pole		26 14 00.5	93 54 30.4			1		
			42							
92	SP-77	Single Pole		26 14 01.8	93 54 30.0			1		
			41							
93	DP-15	Double Pole		26 14 03.0	93 54 29.4			2		
			48							
94	SP-78	Single Pole		26 14 04.5	93 54 28.9			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
			44							
95	SP-79	Single Pole		26 14 05.9	93 54 28.6			1		
			39							
96	SP-80	Single Pole		26 14 07.1	93 54 28.2			1		
			39							
97	SP-81	Single Pole		26 14 08.3	93 54 27.8			1		
			32			LT	6.3			
98	SP-82	Single Pole		26 14 09.3	93 54 27.5			1		
			19							
99	SP-83	Single Pole		26 14 09.9	93 54 27.3			1		
			43							
100	SP-84	Single Pole		26 14 11.2	93 54 26.8			1		
			47							
101	SP-85	Single Pole		26 14 12.7	93 54 26.6			1		
			45			400KV	25			
102	SP-86	Single Pole		26 14 14.1	93 54 26.1			1		
			42							
103	SP-87	Single Pole		26 14 15.4	93 54 25.7				1	
			49			11KV	7.5			
104	SP-88	Single Pole		26 14 16.9	93 54 25.1				1	
			51							
105	SP-89	Single Pole		26 14 18.4	93 54 24.3			1		
			48							
106	DP-16	Double Pole		26 14 19.9	93 54 23.8			2		
			50							
107	SP-90	Single Pole		26 14 21.3	93 54 22.9			1		
			44							
108	SP-91	Single Pole		26 14 22.6	93 54 22.3			1		
			50							
109	SP-92	Single Pole		26 14 23.9	93 54 21.2			1		
			45							
110	SP-93	Single Pole		26 14 25.2	93 54 20.5			1		
			50							
111	SP-94	Single Pole		26 14 26.6	93 54 19.6			1		
			46							
112	SP-95	Single Pole		26 14 27.8	93 54 18.6			1		
			30							
113	SP-96	Single Pole		26 14 28.7	93 54 18.2			1		
			46							
114	SP-97	Single Pole		26 14 30.0	93 54 17.4			1		
			47							
115	SP-98	Single Pole		26 14 31.4	93 54 16.7			1		
			46							
116	SP-99	Single Pole		26 14 32.8	93 54 16.1			1		
			39			LT,ROAD	5.6			
117	SP-100	Single Pole		26 14 33.9	93 54 15.4			1		
			46							

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Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
118	SP-101	Single Pole		26 14 35.2	93 54 14.6			1		
			53							
119	SP-102	Single Pole		26 14 36.7	93 54 13.7			1		
			42							
120	SP-103	Single Pole		26 14 38.0	93 54 13.3			1		
			49							
121	SP-104	Single Pole		26 14 39.4	93 54 12.5			1		
			46							
122	SP-105	Single Pole		26 14 40.7	93 54 11.7			1		
			49							
123	SP-106	Single Pole		26 14 42.1	93 54 10.9			1		
			49							
124	SP-107	Single Pole		26 14 43.5	93 54 10.1			1		
			45							
125	SP-108	Single Pole		26 14 44.8	93 54 09.4			1		
			49			11KV,ROAD	8.2			70
126	SP-109	Single Pole		26 14 46.1	93 54 08.4			1		
			47							
127	SP-110	Single Pole		26 14 47.5	93 54 07.7			1		
			44							
128	SP-111	Single Pole		26 14 48.8	93 54 07.1			1		
			42							
129	DP-17	Double Pole		26 14 49.9	93 54 06.2			2		
			47							
130	SP-112	Single Pole		26 14 51.2	93 54 05.3			1		
			47							
131	SP-113	Single Pole		26 14 52.5	93 54 04.4			1		
			46							
132	SP-114	Single Pole		26 14 53.7	93 54 03.4			1		
			51							
133	SP-115	Single Pole		26 14 55.2	93 54 02.6			1		
			44							
134	SP-116	Single Pole		26 14 56.5	93 54 02.0			1		
			49							
135	DP-18	Double Pole		26 14 57.8	93 54 01.0			2		
			47							
136	DP-19	Double Pole		26 14 59.2	93 54 00.3			2		
			50							
137	SP-117	Single Pole		26 15 00.4	93 53 59.1			1		
			47			ROAD				
138	SP-118	Single Pole		26 15 01.7	93 53 58.2			1		
			47							
139	SP-119	Single Pole		26 15 03.0	93 53 57.3			1		
			50							
140	SP-120	Single Pole		26 15 04.3	93 53 56.2			1		
			45							

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
141	SP-121	Single Pole		26 15 05.5	93 53 55.3			1		
			55							
142	SP-122	Single Pole		26 15 06.9	93 53 54.1			1		
			42							
143	SP-123	Single Pole		26 15 08.0	93 53 53.2			1		
			51							
144	SP-124	Single Pole		26 15 09.4	93 53 52.2			1		
			43							
145	SP-125	Single Pole		26 15 10.6	93 53 51.4			1		
			50							
146	SP-126	Single Pole		26 15 12.0	93 53 50.5			1		
			42							
147	SP-127	Single Pole		26 15 13.2	93 53 49.8			1		
			50							
148	SP-128	Single Pole		26 15 14.6	93 53 48.9			1		
			53							
149	SP-129	Single Pole		26 15 16.1	93 53 48.0			1		
			44							
150	DP-20	Double Pole		26 15 17.4	93 53 47.4			2		
			49							
151	SP-130	Single Pole		26 15 19.0	93 53 47.4			1		
			48							
152	SP-131	Single Pole		26 15 20.5	93 53 47.8			1		
			47							
153	SP-132	Single Pole		26 15 22.0	93 53 48.0			1		
			48							
154	SP-133	Single Pole		26 15 23.5	93 53 48.4			1		
			49							
155	SP-134	Single Pole		26 15 25.0	93 53 49.0			1		
			50							
156	SP-135	Single Pole		26 15 26.6	93 53 49.3			1		
			54							
157	DP-21	Double Pole		26 15 28.3	93 53 49.8			2		
			46							
158	DP-22	Double Pole		26 15 29.7	93 53 50.4			2		
			47							
159	SP-136	Single Pole		26 15 31.1	93 53 51.1			1		
			51			ROAD				
160	SP-137	Single Pole		26 15 32.7	93 53 51.6			1		
			47							
161	SP-138	Single Pole		26 15 34.1	93 53 52.3			1		
			50							
162	SP-139	Single Pole		26 15 35.6	93 53 53.0			1		
			51							
163	SP-140	Single Pole		26 15 37.1	93 53 53.8			1		
			34							
164	DP-23	Double Pole		26 15 38.1	93 53 54.3			2		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
			45							
165	DP- 24	Double Pole		26 15 32.7	93 53 51.6			2		
			45							
166	DP- 25	Double Pole		26 15 43.2	93 53 56.1			2		
			44							
167	SP-141	Single Pole		26 15 39.4	93 53 54.9			1		
			47			LT	4.6			
169	SP-142	Single Pole		26 15 42.2	93 53 55.8			1		
			47							
170	DP-26	Double Pole		26 15 23.5	93 53 48.4			2		
			32			LT,ROAD	6.3			
170	SP-143	Single Pole		26 15 43.2	93 53 56.1			1		
			36							
172	SP-144	Single Pole		26 15 45.5	93 53 57.5				1	
			47			LT,ROAD	6.6			
173	SP-145	Single Pole		26 15 46.8	93 53 58.4			1		
			38							
174	DP-27	Double Pole		26 16 01.3	93 53 56.6			2		
			38							
175	SP-146	Single Pole		26 15 47.8	93 53 59.2			1		
			31							
176	SP-147	Single Pole		26 15 50.1	93 54 00.2			1		
			47							
177	FP 1	Four Pole		26 16 14.9	93 53 50.8			4		
			46			LT,ROAD	6.8			
178	SP-148	Single Pole		26 15 51.6	93 54 00.2				1	
			44			11KV,LT	7.8			
179	SP-149	Single Pole		26 15 53.0	93 54 00.0				1	
			50							
180	SP-150	Single Pole		26 15 54.6	93 53 59.7			1		
			50							
181	SP-151	Single Pole		26 15 56.1	93 53 59.7				1	
			46			11KV,	7.9			
182	SP-152	Single Pole		26 15 57.6	93 53 59.7				1	
			46							
183	SP-153	Single Pole		26 15 59.0	93 53 59.6			1		
			46							
184	DP-28	Double Pole		26 16 00.4	93 53 59.5			2		
			43							
185	SP-154	Single Pole		26 16 00.7	93 53 58.2			1		
			37							
186	SP-155	Single Pole		26 16 01.3	93 53 56.6			1		
			48			132KV	11.83			
187	SP-156	Single Pole		26 16 01.8	93 53 55.1			1		
			44							
188	SP-157	Single Pole		26 16 02.4	93 53 53.5			1		
			46							

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
189	DP-29	Double Pole		26 16 04.7	93 53 47.3			2		
			47							
190	DP-30	Double Pole		26 16 05.3	93 53 46.0			2		
			41							
191	SP-158	Single Pole		26 16 03.0	93 53 51.9			1		
			48							
192	SP-159	Single Pole		26 16 03.6	93 53 50.4			1		
			46							
193	SP-160	Single Pole		26 16 04.2	93 53 48.9			1		
			50							
194	DP-31	Double Pole		26 15 48.6	93 53 59.9			2		
			0							
195	SP-161	Single Pole		26 16 06.7	93 53 46.7			1		
			47			RAILWAY				160
196	SP-162	Single Pole		26 16 08.0	93 53 47.3			1		
			44							
197	SP-163	Single Pole		26 16 09.4	93 53 48.0			1		
			47							
198	SP-164	Single Pole		26 16 10.7	93 53 48.7			1		
			45							
199	SP-165	Single Pole		26 16 12.1	93 53 49.4			1		
			47							
200	SP-166	Single Pole		26 16 13.5	93 53 50.1			1		
			47							
201	SP-167	Single Pole		26 16 14.9	93 53 50.8			1		
			47							
202	SP-168	Single Pole		26 16 16.3	93 53 51.5			1		
			47							
203	SP-169	Single Pole		26 16 17.6	93 53 52.2			1		
			45							
204	SP-170	Single Pole		26 16 19.1	93 53 52.9			1		
			50							
205	SP-171	Single Pole		26 16 20.5	93 53 53.6			1		
			47							
206	SP-172	Single Pole		26 16 21.7	93 53 54.2			1		
			45							
207	DP-32	Double Pole		26 16 28.1	93 53 55.3			2		
			43							
208	DP-33	Double Pole		26 16 34.6	93 53 57.3			2		
			41							
209	SP-173	Single Pole		26 16 22.9	93 53 54.9			1		
			42							
210	SP-174	Single Pole		26 16 25.3	93 53 55.4			1		
			43							
211	FP-2	Four Pole		26 16 26.7	93 53 55.3			4		
			43							
212	SP-175	Single Pole		26 16 32.0	93 53 57.0			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
			40							
213	SP-176	Single Pole		26 16 33.2	93 53 57.5			1		
			45							
214	SP-177	Single Pole		26 16 14.9	93 53 50.8			1		
			45							
217	SP-178	Single Pole		26 16 34.6	93 53 57.3			1		
			22							
218	SP-179	Single Pole		26 16 35.3	93 53 55.7			1		
			49							
219	SP-180	Single Pole		26 16 36.1	93 53 54.1			1		
			45							
220	DP-34	Double Pole		26 16 23.9	93 53 55.4			2		
			51							
221	SP-181	Single Pole		26 16 36.9	93 53 52.7			1		
			46							
222	SP-182	Single Pole		26 16 37.7	93 53 51.2			1		
			48							
223	SP-183	Single Pole		26 16 38.5	93 53 49.8			1		
			46							
224	SP-184	Single Pole		26 16 39.4	93 53 48.4			1		
			48							
225	SP-185	Single Pole		26 16 40.2	93 53 46.9			1		
			48							
226	SP-186	Single Pole		26 16 41.0	93 53 45.8			1		
			39							
227	SP-187	Single Pole		26 16 41.9	93 53 44.3			1		
			50							
228	SP-188	Single Pole		26 16 42.5	93 53 43.1			1		
			38			11KV	8.5			70
230	SP-189	Single Pole		26 16 42.4	93 53 40.3			1		
			47							
232	SP-190	Single Pole		26 16 40.1	93 53 38.3			1		
			47							
233	SP-191	Single Pole		26 16 39.2	93 53 37.5			1		
			36			66KV	12			
235	SP-192	Single Pole		26 16 38.2	93 53 34.8			1		
			47							
236	SP-193	Single Pole		26 16 38.3	93 53 33.1			1		
			47							
237	SP-194	Single Pole		26 16 38.5	93 53 31.3			1		
			50							
238	SP-195	Single Pole		26 16 38.6	93 53 29.6			1		
			47							
239	SP-196	Single Pole		26 16 38.7	93 53 27.9			1		
			48							
240	DP-35	Double Pole		26 16 38.9	93 53 20.2			2		
			47							

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Barpathar 33/11KV (existing) SS**

SL NO	Pole From	Pole Details	Span (Meter)	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
241	SP-197	Single Pole		26 16 38.8	93 53 26.2			1		
			49							
242	DP-36	Double Pole		26 16 38.8	93 53 19.1			2		
			49							
243	SP-198	Single Pole		26 16 38.8	93 53 24.4			1		
			50							
244	FP-3	Four Pole		26 16 38.9	93 53 17.7			4		
			50							
245	DP-37	Double Pole		26 16 38.8	93 53 22.7			2		
			47							
246	SP-199	Single Pole		26 16 38.8	93 53 21.3			1		
			39							
247	FP-4	Four Pole		26 16 38.5	93 53 16.0			4		
			31							
248	SP-200	Single Pole		26 16 38.8	93 53 19.1			1		
			31							
249	DP-38	Double Pole		26 16 37.8	93 53 16.9			2		
			39							
250	SP-201	Single Pole		26 16 38.2	93 53 17.3			1		
			24							
251	DP-39	Double Pole		26 16 38.9	93 53 17.7			2		
			11.022					**272**	**23**	

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS**

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
1	GANTRY	GANTRY	5	26 11 50.8	93 54 08.2					
2	FP-1	Four Pole	25	26 11 51.0	93 54 08.2			4		
3	FP-2	Four Pole	46	26 11 50.8	93 54 07.3			4		
4	SP-1	Single Pole	45	26 11 49.4	93 54 07.1			1		
5	SP-2	Single Pole	74	26 11 47.9	93 54 07.0			1		
6	DP-1	Double Pole	46	26 11 45.6	93 54 06.5			2		
7	SP-3	Single Pole	45	26 11 44.1	93 54 06.2			1		
8	SP-4	Single Pole	92	26 11 42.7	93 54 05.8			1		
9	SP-5	Single Pole	47	26 11 39.8	93 54 05.1			1		
10	SP-6	Single Pole	47	26 11 38.3	93 54 04.7			1		
						132 KV	12.86			
11	SP-7	Single Pole	46	26 11 36.8	93 54 04.3			1		
12	SP-8	Single Pole	45	26 11 35.4	93 54 03.9			1		
13	SP-9	Single Pole	47	26 11 34.0	93 54 03.6			1		
14	SP-10	Single Pole	46	26 11 32.5	93 54 03.2			1		
15	SP-11	Single Pole	48	26 11 31.0	93 54 02.8				1	
						11KV	7.2			
16	SP-12	Single Pole	45	26 11 29.5	93 54 02.5				1	
17	SP-13	Single Pole	46	26 11 28.1	93 54 02.1			1		
18	SP-14	Single Pole	46	26 11 26.6	93 54 01.7			1		
19	SP-15	Single Pole	50	26 11 25.2	93 54 01.4			1		
20	SP-16	Single Pole	46	26 11 23.6	93 54 01.0			1		
21	SP-17	Single Pole	46	26 11 22.2	93 54 00.6			1		
22	SP-18	Single Pole	47	26 11 20.7	93 54 00.2			1		
23	SP-19	Single Pole	45	26 11 19.2	93 53 59.9			1		
24	DP-2	Double Pole	46	26 11 17.8	93 53 59.5			2		
25	SP-20	Single Pole	47	26 11 16.3	93 53 59.2			1		
26	SP-21	Single Pole	47	26 11 14.8	93 53 58.8			1		
27	SP-22	Single Pole	47	26 11 13.4	93 53 58.4			1		
28	SP-23	Single Pole	45	26 11 11.9	93 53 58.0			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
29	SP-24	Single Pole	46	26 11 10.4	93 53 57.7			1		
30	SP-25	Single Pole	47	26 11 09.0	93 53 57.3			1		
31	SP-26	Single Pole	46	26 11 07.5	93 53 56.9			1		
32	SP-27	Single Pole	45	26 11 06.1	93 53 56.6			1		
33	SP-28	Single Pole	47	26 11 04.6	93 53 56.2			1		
34	SP-29	Single Pole	48	26 11 03.2	93 53 55.8			1		
35	SP-30	Single Pole	48	26 11 01.6	93 53 55.5			1		
36	SP-31	Single Pole	47	26 11 00.1	93 53 55.1			1		
37	SP-32	Single Pole	48	26 10 58.7	93 53 54.7			1		
38	SP-33	Single Pole	48	26 10 57.2	93 53 54.3			1		
39	SP-34	Single Pole	46	26 10 55.7	93 53 53.9			1		
40	SP-35	Single Pole	34	26 10 54.2	93 53 53.6			1		
41	DP-3	Double Pole	46	26 10 53.1	93 53 53.5			2		
						LT,ROAD	4.1			
42	SP-36	Single Pole	46	26 10 51.8	93 53 52.8			1		
43	SP-37	Single Pole	46	26 10 50.5	93 53 52.0			1		
44	SP-38	Single Pole	46	26 10 49.1	93 53 51.3				1	
						11KV	6.5			
45	SP-39	Single Pole	46	26 10 47.8	93 53 50.6				1	
46	SP-40	Single Pole	43	26 10 46.5	93 53 49.8			1		
47	SP-41	Single Pole	44	26 10 45.2	93 53 49.2			1		
48	SP-42	Single Pole	46	26 10 44.0	93 53 48.4			1		
49	SP-43	Single Pole	46	26 10 42.6	93 53 47.7			1		
50	SP-44	Single Pole	46	26 10 41.3	93 53 47.0			1		
51	SP-45	Single Pole	46	26 10 40.0	93 53 46.2			1		
52	SP-46	Single Pole	47	26 10 38.6	93 53 45.5			1		
53	SP-47	Single Pole	48	26 10 37.3	93 53 44.8			1		
54	SP-48	Single Pole	44	26 10 35.9	93 53 44.0			1		
55	DP-4	Double Pole	46	26 10 34.6	93 53 43.2			2		
56	SP-49	Single Pole	45	26 10 33.9	93 53 41.8			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
57	SP-50	Single Pole	46	26 10 33.1	93 53 40.4			1		
58	SP-51	Single Pole	47	26 10 32.4	93 53 38.9			1		
59	SP-52	Single Pole	47	26 10 31.6	93 53 37.5			1		
60	SP-53	Single Pole	46	26 10 30.8	93 53 36.1			1		
61	DP-5	Double Pole	48	26 10 30.0	93 53 34.7			2		
						LT	4.7			
62	SP-54	Single Pole	93	26 10 29.6	93 53 33.0			1		
						LT,ROAD	5			
63	SP-55	Single Pole	46	26 10 29.0	93 53 31.4			1		
64	SP-56	Single Pole	92	26 10 28.5	93 53 29.9			1		
65	SP-57	Single Pole	45	26 10 27.9	93 53 28.4			1		
66	SP-58	Single Pole	46	26 10 27.3	93 53 26.9			1		
67	SP-59	Single Pole	45	26 10 26.7	93 53 25.4			1		
						132KV	12.63			
68	SP-60	Single Pole	46	26 10 26.2	93 53 23.9			1		
69	SP-61	Single Pole	46	26 10 25.6	93 53 22.3			1		
70	SP-62	Single Pole	45	26 10 25.0	93 53 20.8			1		
71	SP-63	Single Pole	46	26 10 24.5	93 53 19.3			1		
72	SP-64	Single Pole	45	26 10 23.9	93 53 17.8			1		
73	SP-65	Single Pole	46	26 10 23.3	93 53 16.3			1		
74	SP-66	Single Pole	44	26 10 22.8	93 53 14.7			1		
75	DP-6	Double Pole	45	26 10 22.2	93 53 13.3				2	
						11KV	6.5			
76	SP-67	Single Pole	46	26 10 21.3	93 53 12.1				1	
						ROAD				
77	SP-68	Single Pole	45	26 10 20.3	93 53 10.8			1		
78	SP-69	Single Pole	46	26 10 19.3	93 53 09.6			1		
79	SP-70	Single Pole	45	26 10 18.4	93 53 08.3			1		
80	SP-71	Single Pole	45	26 10 17.4	93 53 07.1			1		
81	SP-72	Single Pole	45	26 10 16.4	93 53 05.9			1		
82	SP-73	Single Pole	46	26 10 15.5	93 53 04.6			1		
83	SP-74	Single Pole	45	26 10 14.5	93 53 03.4			1		
84	SP-75	Single Pole	45	26 10 13.6	93 53 02.2			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
85	SP-76	Single Pole	46	26 10 12.6	93 53 00.9			1		
86	SP-77	Single Pole	48	26 10 11.6	93 52 59.7			1		
87	DP-7	Double Pole	45	26 10 10.6	93 52 58.4			2		
88	SP-78	Single Pole	45	26 10 09.2	93 52 58.6			1		
						132KV	12.56			
89	DP-8	Double Pole	44	26 10 07.7	93 52 58.9			2		
90	SP-79	Single Pole	46	26 10 06.3	93 52 58.7			1		
91	FP-3	Four Pole	45	26 10 04.8	93 52 58.5			4		
92	SP-80	Single Pole	46	26 10 04.7	93 52 56.9				1	
						11KV,ROAD	7.8			
93	SP-81	Single Pole	46	26 10 04.4	93 52 55.3				1	
94	SP-82	Single Pole	49	26 10 04.2	93 52 53.7			1		
95	SP-83	Single Pole	47	26 10 03.9	93 52 51.9			1		
96	SP-84	Single Pole	45	26 10 03.6	93 52 50.3			1		
						LT,ROAD	6.4			
97	SP-85	Single Pole	47	26 10 03.2	93 52 48.7			1		
98	SP-86	Single Pole	46	26 10 02.9	93 52 47.1			1		
99	SP-87	Single Pole	46	26 10 02.5	93 52 45.5			1		
100	SP-88	Single Pole	47	26 10 02.2	93 52 43.9			1		
101	SP-89	Single Pole	46	26 10 01.9	93 52 42.2			1		
102	SP-90	Single Pole	47	26 10 01.7	93 52 40.6			1		
103	SP-91	Single Pole	46	26 10 01.5	93 52 38.9			1		
						132KV	10.02			
104	SP-92	Single Pole	44	26 10 01.2	93 52 37.2			1		
105	SP-93	Single Pole	45	26 10 01.0	93 52 35.7			1		
106	DP-9	Double Pole	47	26 10 00.8	93 52 34.1				2	
						11KV,ROAD	6.1			
107	SP-94	Single Pole	46	26 10 00.9	93 52 32.4				1	
108	SP-95	Single Pole	45	26 10 01.1	93 52 30.7				1	
						11KV	7.2			
109	SP-96	Single Pole	47	26 10 01.2	93 52 29.1					
110	SP-97	Single Pole	45	26 10 01.4	93 52 27.5			1		
111	SP-98	Single Pole	45	26 10 01.5	93 52 25.8			1		
112	SP-99	Single Pole	46	26 10 01.7	93 52 24.2			1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS**

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
113	SP-100	Single Pole	45	26 10 01.8	93 52 22.6			1		
114	SP-101	Single Pole	46	26 10 02.0	93 52 21.0			1		
115	SP-102	Single Pole	43	26 10 02.1	93 52 19.3			1		
116	SP-103	Single Pole	44	26 10 02.3	93 52 17.8			1		
117	FP-4	Four Pole	47	26 10 02.5	93 52 16.2			4		
118	SP-104	Single Pole	46	26 10 01.0	93 52 15.6			1		
						LT,ROAD	6.1			
119	SP-105	Single Pole	45	26 09 59.6	93 52 15.0			1		
120	SP-106	Single Pole	45	26 09 58.3	93 52 14.4			1		
121	SP-107	Single Pole	46	26 09 56.9	93 52 13.8			1		
122	SP-108	Single Pole	45	26 09 55.5	93 52 13.2			1		
123	SP-109	Single Pole	46	26 09 54.2	93 52 12.7			1		
124	SP-110	Single Pole	46	26 09 52.8	93 52 12.1			1		
125	SP-111	Single Pole	46	26 09 51.4	93 52 11.5			1		
126	SP-112	Single Pole	46	26 09 50.0	93 52 10.9			1		
127	SP-113	Single Pole	45	26 09 48.6	93 52 10.3			1		
						132KV	10.13			
128	SP-114	Single Pole	45	26 09 47.3	93 52 09.7			1		
129	SP-115	Single Pole	45	26 09 45.9	93 52 09.1			1		
130	SP-116	Single Pole	47	26 09 44.5	93 52 08.6			1		
131	SP-117	Single Pole	44	26 09 43.1	93 52 08.0			1		
132	SP-118	Single Pole	46	26 09 41.8	93 52 07.4			1		
133	SP-119	Single Pole	45	26 09 40.4	93 52 06.8			1		
134	SP-120	Single Pole	46	26 09 39.0	93 52 06.2			1		
135	SP-121	Single Pole	47	26 09 37.7	93 52 05.6			1		
136	SP-122	Single Pole	46	26 09 36.3	93 52 05.0			1		
137	SP-123	Single Pole	46	26 09 34.9	93 52 04.5			1		
138	SP-124	Single Pole	45	26 09 33.5	93 52 03.9			1		
139	SP-125	Single Pole	47	26 09 32.1	93 52 03.3			1		
140	SP-126	Single Pole	91	26 09 30.7	93 52 02.7			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
141	SP-127	Single Pole	46	26 09 29.3	93 52 02.1			1		
142	DP-10	Double Pole	87	26 09 27.9	93 52 01.5			2		
143	SP-128	Single Pole	47	26 09 27.1	93 52 00.1			1		
144	SP-129	Single Pole	47	26 09 26.0	93 51 58.9			1		
						ROAD				
145	SP-130	Single Pole	47	26 09 25.2	93 51 57.4			1		
146	SP-131	Single Pole	45	26 09 24.4	93 51 56.0			1		
147	SP-132	Single Pole	47	26 09 23.5	93 51 54.7			1		
148	SP-133	Single Pole	46	26 09 22.6	93 51 53.4			1		
149	SP-134	Single Pole	45	26 09 21.7	93 51 52.0			1		
150	DP-11	Double Pole	46	26 09 20.9	93 51 50.7			2		
151	SP-135	Single Pole	46	26 09 20.9	93 51 49.0				1	
						LT,ROAD	6			
152	SP-136	Single Pole	45	26 09 20.9	93 51 47.4				1	
153	SP-137	Single Pole	46	26 09 20.8	93 51 45.8			1		
154	SP-138	Single Pole	47	26 09 20.8	93 51 44.1			1		
155	SP-139	Single Pole	46	26 09 20.8	93 51 42.4			1		
156	SP-140	Single Pole	46	26 09 20.8	93 51 40.7			1		
157	SP-141	Single Pole	46	26 09 20.8	93 51 39.1			1		
158	SP-142	Single Pole	46	26 09 20.7	93 51 37.5			1		
159	SP-143	Single Pole	45	26 09 20.7	93 51 35.8			1		
160	SP-144	Single Pole	47	26 09 20.7	93 51 34.2			1		
161	SP-145	Single Pole	47	26 09 20.7	93 51 32.5			1		
						132KV	12			
162	SP-146	Single Pole	46	26 09 20.7	93 51 30.8			1		
163	SP-147	Single Pole	47	26 09 20.6	93 51 29.1			1		
164	SP-148	Single Pole	46	26 09 20.6	93 51 27.4			1		
165	SP-149	Single Pole	46	26 09 20.6	93 51 25.8			1		
166	SP-150	Single Pole	45	26 09 20.6	93 51 24.1			1		
167	SP-151	Single Pole	47	26 09 20.6	93 51 22.5			1		
168	SP-152	Single Pole	47	26 09 20.5	93 51 20.8			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
169	SP-153	Single Pole	46	26 09 20.5	93 51 19.1			1		
170	SP-154	Single Pole	46	26 09 20.5	93 51 17.4			1		
171	SP-155	Single Pole	47	26 09 20.5	93 51 15.8			1		
172	SP-156	Single Pole	46	26 09 20.5	93 51 14.1			1		
173	SP-157	Single Pole	46	26 09 20.5	93 51 12.4			1		
174	SP-158	Single Pole	46	26 09 20.4	93 51 10.8			1		
175	SP-159	Single Pole	48	26 09 20.4	93 51 09.1			1		
176	SP-160	Single Pole	46	26 09 20.4	93 51 07.4			1		
177	SP-161	Single Pole	48	26 09 20.4	93 51 05.7			1		
178	FP-5	Four Pole	47	26 09 18.9	93 51 05.7			4		
179	SP-162	Single Pole	45	26 09 17.3	93 51 05.6			1		
180	SP-163	Single Pole	47	26 09 15.9	93 51 05.5			1		
181	SP-164	Single Pole	46	26 09 14.4	93 51 05.5			1		
						LT,ROAD	5.5			
182	SP-165	Single Pole	47	26 09 12.9	93 51 05.4			1		
183	SP-166	Single Pole	45	26 09 11.4	93 51 05.3			1		
184	SP-167	Single Pole	46	26 09 09.9	93 51 05.5			1		
185	SP-168	Single Pole	45	26 09 08.5	93 51 05.7				1	
						11KV,ROAD	7.6			
186	SP-169	Single Pole	47	26 09 07.0	93 51 05.9				1	
						LT,ROAD	7.4			
187	SP-170	Single Pole	43	26 09 05.5	93 51 06.0			1		
188	FP-6	Four Pole	**47**	26 09 04.1	93 51 06.2			4		
189	SP-171	Single Pole	46	26 09 04.1	93 51 04.5			1		
190	SP-172	Single Pole	45	26 09 04.1	93 51 02.8			1		
										170
191	SP-173	Single Pole	47	26 09 04.2	93 51 01.2			1		
192	SP-174	Single Pole	45	26 09 04.2	93 50 59.5			1		
193	SP-175	Single Pole	47	26 09 04.2	93 50 57.9			1		
194	SP-176	Single Pole	47	26 09 04.2	93 50 56.2			1		
195	SP-177	Single Pole	47	26 09 04.3	93 50 54.5			1		
196	SP-178	Single Pole	47	26 09 04.3	93 50 52.8			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
197	SP-179	Single Pole	46	26 09 04.3	93 50 51.2			1		
198	SP-180	Single Pole	44	26 09 04.4	93 50 49.5			1		
199	DP-12	Double Pole	47	26 09 04.3	93 50 47.9			2		
200	SP-181	Single Pole	46	26 09 04.7	93 50 46.3			1		
201	SP-182	Single Pole	46	26 09 05.0	93 50 44.7			1		
202	SP-183	Single Pole	47	26 09 05.3	93 50 43.0				1	
						11KV,ROAD	6.5			
203	SP-184	Single Pole	45	26 09 05.7	93 50 41.4				1	
204	SP-185	Single Pole	47	26 09 06.0	93 50 39.8			1		
205	SP-186	Single Pole	46	26 09 06.3	93 50 38.2			1		
206	SP-187	Single Pole	45	26 09 06.6	93 50 36.6			1		
207	SP-188	Single Pole	45	26 09 07.0	93 50 35.0			1		
208	SP-189	Single Pole	46	26 09 07.3	93 50 33.4			1		
209	SP-190	Single Pole	45	26 09 07.6	93 50 31.8			1		
210	SP-191	Single Pole	46	26 09 07.9	93 50 30.2			1		
211	SP-192	Single Pole	46	26 09 08.3	93 50 28.6			1		
212	SP-193	Single Pole	46	26 09 08.6	93 50 27.0			1		
213	SP-194	Single Pole	49	26 09 08.9	93 50 25.3			1		
214	DP-13	Double Pole	46	26 09 09.3	93 50 23.6			2		
215	SP-195	Single Pole	46	26 09 09.4	93 50 21.9			1		
						400KV	14.6			
216	SP-196	Single Pole	46	26 09 09.5	93 50 20.3			1		
217	SP-197	Single Pole	47	26 09 09.6	93 50 18.6			1		
218	SP-198	Single Pole	45	26 09 09.6	93 50 16.9			1		
219	SP-199	Single Pole	46	26 09 09.7	93 50 15.3			1		
220	SP-200	Single Pole	47	26 09 09.8	93 50 13.6			1		
221	SP-201	Single Pole	46	26 09 09.9	93 50 11.9			1		
222	SP-202	Single Pole	46	26 09 10.0	93 50 10.2			1		
223	SP-203	Single Pole	46	26 09 10.1	93 50 08.6			1		
224	SP-204	Single Pole	45	26 09 10.1	93 50 06.9			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
225	SP-205	Single Pole	46	26 09 10.2	93 50 05.3			1		
226	SP-206	Single Pole	47	26 09 10.3	93 50 03.6			1		
227	SP-207	Single Pole	45	26 09 10.4	93 50 01.9			1		
228	SP-208	Single Pole	49	26 09 10.5	93 50 00.3			1		
229	FP-7	Four Pole	47	26 09 10.6	93 49 58.6			4		
230	SP-209	Single Pole	46	26 09 09.7	93 49 57.2			1		
231	SP-210	Single Pole	45	26 09 08.7	93 49 55.9			1		
232	SP-211	Single Pole	46	26 09 07.9	93 49 54.5			1		
233	SP-212	Single Pole	46	26 09 06.7	93 49 53.4			1		
234	SP-213	Single Pole	45	26 09 06.0	93 49 52.0			1		
235	SP-214	Single Pole	46	26 09 05.1	93 49 50.8			1		
236	SP-215	Single Pole	43	26 09 04.2	93 49 49.5			1		
237	DP-14	Double Pole	46	26 09 03.3	93 49 48.2			2		
238	SP-216	Single Pole	45	26 09 03.1	93 49 46.6			1		
239	SP-217	Single Pole	45	26 09 02.8	93 49 45.0			1		
240	SP-218	Single Pole	46	26 09 02.5	93 49 43.4			1		
241	SP-219	Single Pole	46	26 09 02.2	93 49 41.8			1		
242	SP-220	Single Pole	48	26 09 01.9	93 49 40.1			1		
243	DP-15	Double Pole	46	26 09 01.7	93 49 38.4			2		
244	DP-16	Double Pole	45	26 09 02.9	93 49 36.6			2		
245	SP-221	Single Pole	46	26 09 03.5	93 49 35.9			1		
246	SP-222	Single Pole	47	26 09 04.4	93 49 34.6			1		
247	SP-223	Single Pole	45	26 09 05.3	93 49 33.3			1		
248	SP-224	Single Pole	46	26 09 06.2	93 49 32.0			1		
249	SP-225	Single Pole	45	26 09 07.2	93 49 30.7			1		
250	SP-226	Single Pole	46	26 09 08.1	93 49 29.4			1		
251	SP-227	Single Pole	46	26 09 09.0	93 49 28.1			1		
252	SP-228	Single Pole	46	26 09 09.9	93 49 26.8			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
253	SP-229	Single Pole	48	26 09 10.8	93 49 25.5			1		
254	DP-17	Double Pole	45	26 09 11.8	93 49 24.1			2		
255	SP-230	Single Pole	45	26 09 12.2	93 49 22.5			1		
256	SP-231	Single Pole	47	26 09 12.5	93 49 21.0			1		
257	SP-232	Single Pole	45	26 09 12.9	93 49 19.4			1		
258	SP-233	Single Pole	46	26 09 13.2	93 49 17.8			1		
259	SP-234	Single Pole	46	26 09 13.6	93 49 16.2			1		
260	SP-235	Single Pole	47	26 09 14.0	93 49 14.6			1		
261	SP-236	Single Pole	47	26 09 14.3	93 49 12.9			1		
262	SP-237	Single Pole	45	26 09 14.7	93 49 11.3			1		
263	SP-238	Single Pole	47	26 09 15.0	93 49 09.7			1		
264	FP-8	Four Pole	45	26 09 15.4	93 49 08.1			4		
265	SP-239	Single Pole	47	26 09 14.4	93 49 07.0			1		
266	SP-240	Single Pole	46	26 09 13.3	93 49 05.8			1		
267	SP-241	Single Pole	46	26 09 12.2	93 49 04.6			1		
268	SP-242	Single Pole	46	26 09 11.1	93 49 03.5			1		
269	SP-243	Single Pole	46	26 09 10.0	93 49 02.3			1		
270	SP-244	Single Pole	47	26 09 09.0	93 49 01.2			1		
271	SP-245	Single Pole	45	26 09 07.9	93 49 00.0			1		
272	SP-246	Single Pole	46	26 09 06.8	93 48 58.9			1		
273	SP-247	Single Pole	47	26 09 05.8	93 48 57.8			1		
274	SP-248	Single Pole	47	26 09 04.7	93 48 56.6			1		
275	SP-249	Single Pole	46	26 09 03.6	93 48 55.4			1		
276	SP-250	Single Pole	46	26 09 02.4	93 48 54.4			1		
277	SP-251	Single Pole	46	26 09 01.3	93 48 53.3			1		
278	SP-252	Single Pole	45	26 09 00.2	93 48 52.2			1		
279	DP-18	Double Pole	46	26 08 59.1	93 48 51.2			2		
280	SP-253	Single Pole	45	26 08 58.3	93 48 49.8			1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS**

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
281	SP-254	Single Pole	46	26 08 57.6	93 48 48.4			1		
282	SP-255	Single Pole	46	26 08 56.9	93 48 46.9			1		
283	SP-256	Single Pole	46	26 08 56.2	93 48 45.5			1		
						LT,ROAD	4.2			
284	SP-257	Single Pole	47	26 08 55.5	93 48 44.1			1		
285	SP-258	Single Pole	46	26 08 54.7	93 48 42.6			1		
286	SP-259	Single Pole	47	26 08 54.0	93 48 41.2			1		
287	SP-260	Single Pole	45	26 08 53.2	93 48 39.7			1		
288	SP-261	Single Pole	46	26 08 52.5	93 48 38.3			1		
289	SP-262	Single Pole	45	26 08 51.8	93 48 36.8			1		
290	SP-263	Single Pole	46	26 08 51.1	93 48 35.4			1		
291	SP-264	Single Pole	46	26 08 50.3	93 48 34.0			1		
292	SP-265	Single Pole	46	26 08 49.6	93 48 32.5			1		
293	SP-266	Single Pole	46	26 08 48.9	93 48 31.1			1		
294	SP-267	Single Pole	47	26 08 48.2	93 48 29.6			1		
295	SP-268	Single Pole	46	26 08 47.4	93 48 28.2			1		
296	SP-269	Single Pole	47	26 08 46.7	93 48 26.7			1		
297	SP-270	Single Pole	46	26 08 45.9	93 48 25.2			1		
298	SP-271	Single Pole	47	26 08 45.2	93 48 23.8			1		
299	SP-272	Single Pole	46	26 08 44.4	93 48 22.3			1		
300	SP-273	Single Pole	48	26 08 43.7	93 48 20.8			1		
301	SP-274	Single Pole	46	26 08 42.9	93 48 19.3			1		
302	SP-275	Single Pole	45	26 08 42.2	93 48 17.9			1		
303	DP-19	Double Pole	45	26 08 41.5	93 48 16.5				2	
						11KV	6.6			
304	SP-276	Single Pole	46	26 08 41.2	93 48 14.9				1	
305	SP-277	Single Pole	46	26 08 40.9	93 48 13.2			1		
306	SP-278	Single Pole	46	26 08 40.6	93 48 11.6			1		
307	SP-279	Single Pole	47	26 08 40.3	93 48 10.0			1		
						LT,ROAD	5.6			
308	SP-280	Single Pole	46	26 08 39.9	93 48 08.3			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
309	SP-281	Single Pole	46	26 08 39.6	93 48 06.7				1	
						66KV,11KV	7.8			
310	SP-282	Single Pole	46	26 08 39.3	93 48 05.1				1	
311	SP-283	Single Pole	45	26 08 39.0	93 48 03.4			1		
312	SP-284	Single Pole	45	26 08 38.7	93 48 01.8			1		
313	SP-285	Single Pole	46	26 08 38.4	93 48 00.3			1		
314	SP-286	Single Pole	45	26 08 38.1	93 47 58.6				1	
						11KV	7.7			
315	SP-287	Single Pole	46	26 08 37.8	93 47 57.0				1	
316	SP-288	Single Pole	45	26 08 37.5	93 47 55.4			1		
317	DP-20	Double Pole	47	26 08 37.2	93 47 53.8			2		
318	SP-289	Single Pole	46	26 08 37.1	93 47 52.1			1		
319	SP-290	Single Pole	47	26 08 37.0	93 47 50.5			1		
320	SP-291	Single Pole	47	26 08 36.9	93 47 48.8			1		
						ROAD	6			
321	SP-292	Single Pole	47	26 08 36.8	93 47 47.1			1		
						LT	6.9			
322	SP-293	Single Pole	47	26 08 36.7	93 47 45.4			1		
323	SP-294	Single Pole	47	26 08 36.7	93 47 43.7			1		
324	SP-295	Single Pole	47	26 08 36.6	93 47 42.0			1		
325	SP-296	Single Pole	47	26 08 36.5	93 47 40.4			1		
326	SP-297	Single Pole	47	26 08 36.4	93 47 38.7			1		
327	SP-298	Single Pole	47	26 08 36.3	93 47 37.0			1		
328	SP-299	Single Pole	46	26 08 36.2	93 47 35.3			1		
329	SP-300	Single Pole	47	26 08 36.2	93 47 33.7			1		
330	SP-301	Single Pole	46	26 08 36.1	93 47 32.0			1		
331	SP-302	Single Pole	47	26 08 36.0	93 47 30.3			1		
332	SP-303	Single Pole	46	26 08 35.9	93 47 28.6			1		
333	SP-304	Single Pole	43	26 08 35.8	93 47 26.9			1		
334	FP-9	Four Pole	45	26 08 35.7	93 47 25.4			4		
335	SP-305	Single Pole	46	26 08 34.3	93 47 25.0			1		
336	SP-306	Single Pole	47	26 08 32.9	93 47 24.7			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
337	SP-307	Single Pole	46	26 08 31.4	93 47 24.4			1		
										170
338	SP-308	Single Pole	46	26 08 29.9	93 47 24.1			1		
339	SP-309	Single Pole	46	26 08 28.4	93 47 23.8			1		
340	SP-310	Single Pole	46	26 08 27.0	93 47 23.6			1		
341	SP-311	Single Pole	46	26 08 25.5	93 47 23.3			1		
342	SP-312	Single Pole	47	26 08 24.0	93 47 23.0				1	
						11KV	6.2			
343	SP-313	Single Pole	46	26 08 22.6	93 47 22.7				1	
344	SP-314	Single Pole	45	26 08 21.1	93 47 22.5			1		
345	SP-315	Single Pole	45	26 08 19.6	93 47 22.2				1	
						LT	6.7			
346	SP-316	Single Pole	46	26 08 18.2	93 47 21.9				1	
347	SP-317	Single Pole	47	26 08 16.7	93 47 21.6			1		
348	SP-318	Single Pole	47	26 08 15.2	93 47 21.3			1		
349	SP-319	Single Pole	46	26 08 13.7	93 47 21.1			1		
350	DP-21	Double Pole	44	26 08 12.2	93 47 20.8			2		
351	SP-320	Single Pole	46	26 08 10.8	93 47 20.5			1		
352	SP-321	Single Pole	47	26 08 09.3	93 47 20.3			1		
353	SP-322	Single Pole	47	26 08 07.8	93 47 20.0			1		
354	SP-323	Single Pole	46	26 08 06.3	93 47 19.7			1		
355	SP-324	Single Pole	46	26 08 04.8	93 47 19.4			1		
356	SP-325	Single Pole	47	26 08 03.4	93 47 19.2			1		
357	SP-326	Single Pole	46	26 08 01.9	93 47 18.9			1		
358	SP-327	Single Pole	47	26 08 00.4	93 47 18.6				1	
						LT	6.5			
359	SP-328	Single Pole	46	26 07 58.9	93 47 18.3				1	
360	SP-329	Single Pole	46	26 07 57.5	93 47 18.1				1	
						LT	6.1			
361	SP-330	Single Pole	45	26 07 56.0	93 47 17.8				1	
362	SP-331	Single Pole	46	26 07 54.5	93 47 17.5			1		
363	SP-332	Single Pole	46	26 07 53.1	93 47 17.3			1		
364	SP-333	Single Pole	46	26 07 51.6	93 47 17.0			1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
365	SP-334	Single Pole	47	26 07 50.1	93 47 16.7			1		
366	SP-335	Single Pole	46	26 07 48.6	93 47 16.4			1		
367	SP-336	Single Pole	46	26 07 47.2	93 47 16.2				1	
						11KV	6.3			
368	DP-22	Double Pole	45	26 07 45.7	93 47 15.9				2	
369	SP-337	Single Pole	46	26 07 44.3	93 47 15.6			1		
370	SP-338	Single Pole	45	26 07 42.8	93 47 15.4			1		
371	SP-339	Single Pole	46	26 07 41.4	93 47 15.1			1		
								2		
372	SP-340	Single Pole	45	26 07 39.9	93 47 14.8			1		
								1		
373	SP-341	Single Pole	45	26 07 38.5	93 47 14.5			1		
								1		
374	SP-342	Single Pole	48	26 07 37.1	93 47 14.2			1		
								1		
375	SP-343	Single Pole	46	26 07 35.6	93 47 13.9	66KV,ROAD	13.94	1		
								1		
376	SP-344	Single Pole	45	26 07 34.1	93 47 13.6			1		
								1		
377	SP-345	Single Pole	46	26 07 32.7	93 47 13.3			1		
								1		
378	SP-346	Single Pole	46	26 07 31.2	93 47 12.9			1		
								1		
379	SP-347	Single Pole	48	26 07 29.7	93 47 12.6			1		
								1		
380	SP-348	Single Pole	47	26 07 28.2	93 47 12.3			1		
								1		
381	SP-349	Single Pole	47	26 07 26.7	93 47 12.0			1		
								1		
382	SP-350	Single Pole	47	26 07 25.2	93 47 11.7			1		
								1		
383	DP-23	Double Pole	47	26 07 23.7	93 47 11.3			2		
								1		
384	SP-351	Single Pole	45	26 07 22.2	93 47 11.0			1		
								1		
385	SP-352	Single Pole	45	26 07 20.8	93 47 10.7			1		
								1		
386	SP-353	Single Pole	45	26 07 19.3	93 47 10.4			1		
								2		
387	SP-354	Single Pole	45	26 07 17.9	93 47 10.1			1		
								1		
388	SP-355	Single Pole	46	26 07 16.5	93 47 09.8			1		
								1		
389	SP-356	Single Pole	45	26 07 15.0	93 47 09.5			1		
								1		
390	SP-357	Single Pole	45	26 07 13.6	93 47 09.2			1		
								1		
391	SP-358	Single Pole	45	26 07 12.1	93 47 08.9					
								1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
392	SP-359	Single Pole	45	26 07 10.7	93 47 08.6	33KV	8.7			70
									1	
393	SP-360	Single Pole	47	26 07 09.3	93 47 08.4	11KV	7.4		1	
									1	
394	SP-361	Single Pole	47	26 07 07.8	93 47 08.1			1		
								1		
395	SP-362	Single Pole	45	26 07 06.3	93 47 07.8			1		
								1		
396	SP-363	Single Pole	46	26 07 04.8	93 47 07.5			1		
								1		
397	SP-364	Single Pole	47	26 07 03.4	93 47 07.3			1		
								1		
398	SP-365	Single Pole	47	26 07 01.9	93 47 07.0	11KV	8.4			70
								1		
399	SP-366	Single Pole	46	26 07 00.4	93 47 06.7			1		
								1		
400	SP-367	Single Pole	47	26 06 58.9	93 47 06.4			1		
								1		
401	SP-368	Single Pole	46	26 06 57.4	93 47 06.1			1		
								1		
402	SP-369	Single Pole	46	26 06 55.9	93 47 05.9			1		
								1		
403	SP-370	Single Pole	46	26 06 54.4	93 47 05.6			1		
								1		
404	SP-371	Single Pole	44	26 06 53.0	93 47 05.3			1		
								1		
405	DP-24	Double Pole	46	26 06 51.6	93 47 05.1			2		
								1		
406	SP-372	Single Pole	47	26 06 50.1	93 47 05.1			1		
								1		
407	SP-373	Single Pole	46	26 06 48.6	93 47 05.1			1		
								1		
408	SP-374	Single Pole	47	26 06 47.1	93 47 05.1			1		
								2		
409	SP-375	Single Pole	47	26 06 45.6	93 47 05.1			1		
								1		
410	SP-376	Single Pole	47	26 06 44.0	93 47 05.1			1		
								1		
411	SP-377	Single Pole	47	26 06 42.5	93 47 05.1			1		
								1		
412	SP-378	Single Pole	46	26 06 41.0	93 47 05.2			1		
								1		
413	SP-379	Single Pole	47	26 06 39.5	93 47 05.2			1		
								1		
414	SP-380	Single Pole	47	26 06 38.0	93 47 05.2			1		
								1		
415	SP-381	Single Pole	46	26 06 36.5	93 47 05.2			1		
								1		
416	SP-382	Single Pole	47	26 06 35.0	93 47 05.2			1		
								1		
417	SP-383	Single Pole	46	26 06 33.5	93 47 05.2			1		
								1		
418	SP-384	Single Pole	46	26 06 32.0	93 47 05.2			1		
								1		
419	SP-385	Single Pole	46	26 06 30.5	93 47 05.2			1		
								1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
420	SP-386	Single Pole	46	26 06 29.0	93 47 05.2			1		
								1		
421	SP-387	Single Pole	46	26 06 27.5	93 47 05.2			1		
								1		
422	SP-388	Single Pole	46	26 06 26.1	93 47 05.3			1		
								1		
423	SP-389	Single Pole	47	26 06 24.6	93 47 05.3			1		
								1		
424	SP-390	Single Pole	47	26 06 23.1	93 47 05.3			1		
								1		
425	SP-391	Single Pole	47	26 06 21.6	93 47 05.3			1		
								1		
426	SP-392	Single Pole	46	26 06 20.0	93 47 05.3			1		
								1		
427	DP-25	Double Pole	46	26 06 18.6	93 47 05.2			2		
								1		
428	SP-393	Single Pole	46	26 06 17.1	93 47 04.9			1		
								1		
429	SP-394	Single Pole	47	26 06 15.6	93 47 04.7			1		
								1		
430	SP-395	Single Pole	47	26 06 14.1	93 47 04.5			1		
								2		
431	SP-396	Single Pole	47	26 06 12.6	93 47 04.2			1		
								1		
432	SP-397	Single Pole	47	26 06 11.1	93 47 04.0			1		
								1		
433	SP-398	Single Pole	45	26 06 09.6	93 47 03.8			1		
								1		
434	SP-399	Single Pole	47	26 06 08.2	93 47 03.5			1		
								1		
435	SP-400	Single Pole	47	26 06 06.7	93 47 03.3			1		
								1		
436	SP-401	Single Pole	47	26 06 05.2	93 47 03.1			1		
								1		
437	SP-402	Single Pole	46	26 06 03.6	93 47 02.8			1		
								1		
438	SP-403	Single Pole	47	26 06 02.2	93 47 02.6			1		
								1		
439	SP-404	Single Pole	45	26 06 00.7	93 47 02.4			1		
								1		
440	SP-405	Single Pole	50	26 05 59.2	93 47 02.1			1		
								1		
441	DP-26	Double Pole	46	26 05 57.6	93 47 01.8			2		
								1		
442	SP-406	Single Pole	46	26 05 56.2	93 47 01.4			1		
								1		
443	SP-407	Single Pole	45	26 05 54.8	93 47 00.9			1		
								1		
444	SP-408	Single Pole	48	26 05 53.4	93 47 00.5			1		
								2		
445	SP-409	Single Pole	46	26 05 51.9	93 47 00.0			1		
								1		
446	SP-410	Single Pole	46	26 05 50.5	93 46 59.5			1		
								1		
447	SP-411	Single Pole	47	26 05 49.0	93 46 59.0			1		
								1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
448	SP-412	Single Pole	46	26 05 47.6	93 46 58.6			1		
								1		
449	SP-413	Single Pole	45	26 05 46.2	93 46 58.0			1		
								1		
450	SP-414	Single Pole	45	26 05 44.8	93 46 57.5			1		
								1		
451	SP-415	Single Pole	47	26 05 43.4	93 46 57.0			1		
									1	
452	SP-416	Single Pole	47	26 05 42.0	93 46 56.5	11KV	6.2		1	
									1	
453	SP-417	Single Pole	47	26 05 40.5	93 46 55.9			1		
								1		
454	SP-418	Single Pole	46	26 05 39.1	93 46 55.4			1		
								1		
455	SP-419	Single Pole	46	26 05 37.6	93 46 54.9			1		
								1		
456	SP-420	Single Pole	46	26 05 36.2	93 46 54.4			1		
								1		
457	SP-421	Single Pole	47	26 05 34.8	93 46 53.9			1		
								1		
458	SP-422	Single Pole	46	26 05 33.4	93 46 53.3			1		
								1		
459	SP-423	Single Pole	46	26 05 32.0	93 46 52.8			1		
								1		
460	SP-424	Single Pole	45	26 05 30.6	93 46 52.3			1		
								1		
461	SP-425	Single Pole	47	26 05 29.2	93 46 51.8			1		
								1		
462	SP-426	Single Pole	47	26 05 27.7	93 46 51.2			1		
								1		
463	SP-427	Single Pole	46	26 05 26.3	93 46 50.7			1		
								1		
464	SP-428	Single Pole	47	26 05 24.9	93 46 50.2			1		
								1		
465	DP-27	Double Pole	49	26 05 23.5	93 46 49.7			2		
								1		
466	SP-429	Single Pole	47	26 05 21.9	93 46 49.1			1		
								1		
467	SP-430	Single Pole	46	26 05 20.5	93 46 48.5			1		
								1		
468	SP-431	Single Pole	46	26 05 19.1	93 46 48.0			1		
								2		
469	SP-432	Single Pole	46	26 05 17.7	93 46 47.4			1		
								2		
470	SP-433	Single Pole	46	26 05 16.3	93 46 46.9	11KV	8.4			70
								1		
471	SP-434	Single Pole	45	26 05 14.9	93 46 46.3			1		
								1		
472	SP-435	Single Pole	46	26 05 13.6	93 46 45.8			1		
								1		
473	SP-436	Single Pole	45	26 05 12.2	93 46 45.3			1		
								1		
474	SP-437	Single Pole	46	26 05 10.8	93 46 44.7			1		
								1		
475	SP-438	Single Pole	45	26 05 09.4	93 46 44.3			1		
								1		

Name of Package:	Assam DMS-02 Package for Assam State associated with NERPSIP
Name of Work:	Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
476	SP-439	Single Pole	46	26 05 08.0	93 46 43.8			1		
								1		
477	SP-440	Single Pole	46	26 05 06.5	93 46 43.4			1		
								1		
478	SP-441	Single Pole	47	26 05 05.1	93 46 43.0			1		
								1		
479	SP-442	Single Pole	46	26 05 03.6	93 46 42.5			1		
								1		
480	SP-443	Single Pole	47	26 05 02.2	93 46 42.1			1		
								1		
481	SP-444	Single Pole	47	26 05 00.7	93 46 41.6			1		
								1		
482	SP-445	Single Pole	46	26 04 59.3	93 46 41.2			1		
								1		
483	SP-446	Single Pole	45	26 04 57.8	93 46 40.7			1		
								1		
484	SP-447	Single Pole	45	26 04 56.4	93 46 40.3			1		
								1		
485	SP-448	Single Pole	45	26 04 55.0	93 46 39.8			1		
								1		
486	SP-449	Single Pole	48	26 04 53.6	93 46 39.4			1		
								1		
487	DP-28	Double Pole	47	26 04 52.1	93 46 39.0			2		
								1		
488	SP-450	Single Pole	47	26 04 50.6	93 46 39.0			1		
								1		
489	SP-451	Single Pole	46	26 04 49.1	93 46 39.1			1		
								1		
490	SP-452	Single Pole	47	26 04 47.6	93 46 39.1			1		
								2		
491	SP-453	Single Pole	47	26 04 46.1	93 46 39.2			1		
								1		
492	DP-29	Double Pole	46	26 04 44.6	93 46 39.2			2		
								1		
493	SP-454	Single Pole	45	26 04 43.2	93 46 39.7			1		
								1		
494	SP-455	Single Pole	45	26 04 41.8	93 46 40.2	11KV	8.2	1		70
								1		
495	SP-456	Single Pole	45	26 04 40.4	93 46 40.7			1		
								2		
496	SP-457	Single Pole	47	26 04 39.0	93 46 41.1			1		
								1		
497	SP-458	Single Pole	39	26 04 37.5	93 46 41.5			1		
								1		
498	SP-459	Single Pole	51	26 04 36.3	93 46 41.8			1		
									1	
499	SP-460	Single Pole	47	26 04 34.7	93 46 42.4	LT.ROAD	6.5	1		
									1	
500	SP-461	Single Pole	48	26 04 33.3	93 46 42.9			1		
								1		
501	DP-30	Double Pole	46	26 04 31.8	93 46 43.4			2		
									1	
502	SP-462	Single Pole	45	26 04 30.3	93 46 43.1	11KV,	5.4	1		
									1	
503	SP-463	Single Pole	48	26 04 28.9	93 46 42.7			1		
								1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarihajan 33/11KV (existing) SS**

SL NO	Pole From	POLE TYPE	Span (Meter)	Latitude	Longitude	Type Of Crossing	Hight of Ext Pole (Mtr)	SP 64	SP 76	UG
504	DP-31	Double Pole	46	26 04 27.4	93 46 42.3			2		
									2	
505	SP-464	Single Pole	44	26 04 26.1	93 46 41.4	33KV,11KV	7.1	1		
									1	
506	SP-465	Single Pole	47	26 04 24.9	93 46 40.7			1		
								1		
507	SP-466	Single Pole	25	26 04 23.5	93 46 39.9			1		
									2	
508	FP-10	Four Pole	9	26 04 22.7	93 46 39.9			4		
									1	
509	GANTRY			26 04 22.7	93 46 40.2					
			23.527							

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
1	GANTRY			26 11 50.8	93 54 07.1					
		50								
2	SP-1		Single Pole	26 11 52.4	93 54 07.0			1		
		40								
3	SP-2		Single Pole	26 11 53.7	93 54 07.0			1		
		37								
4	FP-1		Four Pole	26 11 54.9	93 54 06.9			4		
		48				132 KV	8.3			
5	SP-3		Single Pole	26 11 54.7	93 54 05.2			1		
		47								
6	SP-4		Single Pole	26 11 54.6	93 54 03.5			1		
		48								
7	SP-5		Single Pole	26 11 54.4	93 54 01.8			1		
		50								
8	SP-6		Single Pole	26 11 54.2	93 54 00.0			1		
		47								
9	SP-7		Single Pole	26 11 54.1	93 53 58.3			1		
		48								
10	SP-8		Single Pole	26 11 53.9	93 53 56.6			1		
		47								
11	SP-9		Single Pole	26 11 53.8	93 53 54.9			1		
		50								
12	SP-10		Single Pole	26 11 53.6	93 53 53.1			1		
		47								
13	SP-11		Single Pole	26 11 53.5	93 53 51.4			1		
		50								
14	SP-12		Single Pole	26 11 53.3	93 53 49.6			1		
		47								
15	SP-13		Single Pole	26 11 53.2	93 53 47.9			1		
		48								
16	SP-14		Single Pole	26 11 53.0	93 53 46.2			1		
		47								
17	SP-15		Single Pole	26 11 52.9	93 53 44.5			1		
		45								
18	SP-16		Single Pole	26 11 52.7	93 53 42.9			1		
		50								
19	SP-17		Single Pole	26 11 52.6	93 53 41.1			1		
		48								
20	SP-18		Single Pole	26 11 52.4	93 53 39.4			1		
		48								
21	SP-19		Single Pole	26 11 52.2	93 53 37.7			1		
		50								
22	SP-20		Single Pole	26 11 52.1	93 53 35.9			1		
		48								
23	SP-21		Single Pole	26 11 51.9	93 53 34.2			1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
		47								
24	SP-22		Single Pole	26 11 51.8	93 53 32.5				1	
		48				11 KV	7.1			
25	DP-1		Double Pole	26 11 51.6	93 53 30.8				2	
		47								
26	SP-23		Single Pole	26 11 51.5	93 53 29.1			1		
		50								
27	SP-24		Single Pole	26 11 51.3	93 53 27.3			1		
		44								
28	SP-25		Single Pole	26 11 51.2	93 53 25.7			1		
		48								
29	SP-26		Single Pole	26 11 51.0	93 53 24.0			1		
		50								
30	SP-27		Single Pole	26 11 50.9	93 53 22.2			1		
		48								
31	SP-28		Single Pole	26 11 50.7	93 53 20.5			1		
		50				11 KV , LT	8.1			70
32	SP-29		Single Pole	26 11 50.5	93 53 18.7			1		
		47								
33	SP-30		Single Pole	26 11 50.4	93 53 17.0			1		
		48				11KV	9.1			70
34	SP-31		Single Pole	26 11 50.2	93 53 15.3			1		
		50								
35	SP-32		Single Pole	26 11 50.1	93 53 13.5			1		
		48								
36	SP-33		Single Pole	26 11 49.9	93 53 11.8			1		
		47								
37	SP-34		Single Pole	26 11 49.8	93 53 10.1			1		
		48								
38	SP-35		Single Pole	26 11 49.6	93 53 08.4			1		
		50								
39	SP-36		Single Pole	26 11 49.5	93 53 06.6			1		
		48				LT , ROAD	7.3			
40	SP-37		Single Pole	26 11 49.3	93 53 04.9			1		
		48								
41	SP-38		Single Pole	26 11 49.1	93 53 03.2			1		
		47								
42	SP-39		Single Pole	26 11 49.0	93 53 01.5			1		
		48								
43	SP-40		Single Pole	26 11 48.8	93 52 59.8			1		
		44				400KV	20.24			
44	SP-41		Single Pole	26 11 48.7	93 52 58.2			1		
		33								
45	SP-42		Single Pole	26 11 48.6	93 52 57.0				1	
		39				11KV , ROAD	6.9			

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
46	SP-43		Single Pole	26 11 48.5	93 52 55.6				1	
		42								
47	FP-2		Four Pole	26 11 48.3	93 52 54.1				4	
		47				11KV , ROAD	7			
48	SP-44		Single Pole	26 11 49.8	93 52 54.4				1	
		47								
49	SP-45		Single Pole	26 11 51.3	93 52 54.6			1		
		50								
50	DP-2		Double Pole	26 11 52.9	93 52 54.9			2		
		49				ROAD, LT	6.1			
51	SP-46		Single Pole	26 11 54.37	93 52 54.23			1		
		50								
52	SP-47		Single Pole	26 11 55.86	93 52 53.55			1		
		49								
53	SP-48		Single Pole	26 11 57.33	93 52 52.88			1		
		49								
54	SP-49		Single Pole	26 11 58.81	93 52 52.20			1		
		50								
55	SP-50		Single Pole	26 12 00.30	93 52 51.52			1		
		50								
56	SP-51		Single Pole	26 12 01.78	93 52 50.84			1		
		50								
57	SP-52		Single Pole	26 12 03.26	93 52 50.16			1		
		49								
58	SP-53		Single Pole	26 12 04.74	93 52 49.48			1		
		50								
59	SP-54		Single Pole	26 12 06.23	93 52 48.80			1		
		50								
60	SP-55		Single Pole	26 12 07.71	93 52 48.12			1		
		50								
61	SP-56		Single Pole	26 12 09.20	93 52 47.44			1		
		50								
62	SP-57		Single Pole	26 12 10.69	93 52 46.76			1		
		49								
63	SP-58		Single Pole	26 12 12.17	93 52 46.09			1		
		49								
64	SP-59		Single Pole	26 12 13.65	93 52 45.41			1		
		49								
65	SP-60		Single Pole	26 12 15.12	93 52 44.74			1		
		50								
66	SP-61		Single Pole	26 12 16.60	93 52 44.06			1		
		46								
67	SP-62		Single Pole	26 12 17.99	93 52 43.43			1		
		35								
68	SP-63		Single Pole	26 12 19.04	93 52 42.95			1		

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
		25								
69	DP-3		Double Pole	26 12 19.8	93 52 42.6			2		
		49								
70	DP-4		Double Pole	26 12 20.1	93 52 40.9			2		
		50								
71	DP-5		Double Pole	26 12 19.7	93 52 39.1			2		
		48								
72	SP-64		Single Pole	26 12 20.3	93 52 37.5			1		
		50								
73	DP-6		Double Pole	26 12 20.9	93 52 35.7			2		
		49				11KV, 33KV	9			70
74	DP-7		Double Pole	26 12 22.1	93 52 34.6			2		
		49								
75	SP-65		Single Pole	26 12 22.7	93 52 33.0			1		
		49								
76	SP-66		Single Pole	26 12 23.3	93 52 31.4			1		
		42				LT, ROAD	5.6			
77	SP-67		Single Pole	26 12 23.8	93 52 30.0			1		
		37								
78	SP-68		Single Pole	26 12 24.3	93 52 28.8			1		
		37								
79	DP-8		Double Pole	26 12 24.8	93 52 27.6			2		
		46								
80	SP-69		Single Pole	26 12 25.9	93 52 26.5			1		
		46								
81	SP-70		Single Pole	26 12 27.0	93 52 25.4			1		
		48								
82	SP-71		Single Pole	26 12 28.2	93 52 24.3			1		
		50								
83	SP-72		Single Pole	26 12 29.4	93 52 23.1			1		
		42								
84	DP-9		Double Pole	26 12 30.4	93 52 22.1			2		
		49								
85	SP-73		Single Pole	26 12 31.9	93 52 22.7			1		
		46								
86	SP-74		Single Pole	26 12 33.3	93 52 23.3			1		
		48								
87	SP-75		Single Pole	26 12 34.8	93 52 23.8			1		
		44								
88	SP-76		Single Pole	26 12 36.1	93 52 24.4			1		
		45								
89	SP-77		Single Pole	26 12 37.5	93 52 24.9			1		
		46								
90	SP-78		Single Pole	26 12 38.9	93 52 25.5			1		
		39								

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
91	SP-79		Single Pole	26 12 40.1	93 52 25.9			1		
		36								
92	FP-3		Four Pole	26 12 41.2	93 52 26.3				4	
		43				11KV	6.5			
93	SP-80		Single Pole	26 12 41.8	93 52 24.9				1	
		46								
94	SP-81		Single Pole	26 12 42.4	93 52 23.4			1		
		49								
95	SP-82		Single Pole	26 12 43.1	93 52 21.8			1		
		46								
96	SP-83		Single Pole	26 12 43.7	93 52 20.3			1		
		37								
97	SP-84		Single Pole	26 12 44.2	93 52 19.1			1		
		32								
98	FP-4		Four Pole	26 12 44.7	93 52 18.1			4		
		46				ROAD, 11KV	8.3			70
99	SP-85		Single Pole	26 12 43.3	93 52 17.5			1		
		50								
100	SP-86		Single Pole	26 12 41.8	93 52 16.8			1		
		44				ROAD,LT	6.8			
101	SP-87		Single Pole	26 12 40.5	93 52 16.2			1		
		49								
102	FP-5		Four Pole	26 12 39.0	93 52 15.6			4		
		49				33KV, ROAD, 11KV	8.3			70
103	SP-88		Single Pole	26 12 39.7	93 52 14.0			1		
		51								
104	SP-89		Single Pole	26 12 40.3	93 52 12.3			1		
		47								
105	SP-90		Single Pole	26 12 40.8	93 52 10.7			1		
		41				11KV , ROAD	8.5			70
106	SP-91		Single Pole	26 12 41.2	93 52 09.3			1		
		36								
107	SP-92		Single Pole	26 12 41.6	93 52 08.1			1		
		32								
108	DP-10		Double Pole	26 12 41.9	93 52 07.0			2		
		40								
109	SP-93		Single Pole	26 12 42.2	93 52 05.6			1		
		40								
110	SP-94		Single Pole	26 12 42.5	93 52 04.2			1		
		31								
111	DP-11		Double Pole	26 12 42.7	93 52 03.1			2		
		31								170
112	DP-12		Double Pole	26 12 42.6	93 52 02.0			2		
		49								

Name of Package:	**Assam DMS-02 Package for Assam State associated with NERPSIP**
Name of Work:	**Sarupathar 132/33KV (New) SS to Sarupathar 33/11KV (existing) SS**

SL NO	Pole From	Span (Meter)	Pole Details	Latitude	Longitude	Type of crossing	Hight Of Ext Conductor (MTR)	SP 64	SP76	UG
113	SP-95		Single Pole	26 12 43.0	93 52 00.3			1		
		35								
114	SP-96		Single Pole	26 12 43.3	93 51 59.1				1	
		35				11KV, ROAD	6.8			
115	SP-97		Single Pole	26 12 43.5	93 51 57.9				1	
		50				LT	6.1			
116	SP-98		Single Pole	26 12 44.1	93 51 56.2			1		
		49								
117	DP-13		Double Pole	26 12 44.6	93 51 54.4			2		
		46								
118	SP-99		Single Pole	26 12 45.6	93 51 53.3			1		
		45				11KV	9			70
119	SP-100		Single Pole	26 12 46.6	93 51 52.1				1	
		37				11KV	6.1			
120	SP-101		Single Pole	26 12 47.5	93 51 51.2				1	
		31				11KV	7.5			
121	DP-14		Double Pole	26 12 48.2	93 51 50.4				2	
		48								
122	SP-102		Single Pole	26 12 48.5	93 51 48.7			1		
		42								
123	SP-103		Single Pole	26 12 48.7	93 51 47.2				1	
		33				11KV,ROAD	6.3			
124	FP-6		Four Pole	26 12 48.8	93 51 46.0				4	
		47				LT,11KV	6.7			
125	SP-104		Single Pole	26 12 47.3	93 51 45.7				1	
		35								
126	SP-105		Single Pole	26 12 46.2	93 51 45.4			1		
		41								
127	SP-106		Single Pole	26 12 44.9	93 51 45.2				1	
		25				11KV	7			
128	FP-7		Four Pole	26 12 44.1	93 51 45.2				4	
		28								
129	GANTRY		GANTRY	26 12 44.1	93 51 46.2					
		5.713						**130**	**32**	**660**

ANNEXURE – 5

DETAILS OF PUBLIC CONSULTATION

DETAILS OF PUBLIC CONSULATIONS

Public Awareness Meeting For 33 KV Line From 132 KV Sarupathar (New) Sub Station to Sarupathar 33 KV (Exist) Sub- Station Under NERPSIP

Venue - Naharani Lower Primary School, Sarupathar

Date And Time - 27/10/2017, 2:30 PM

List of Participants -

19) Pradipta Chetia
20) Bimal Saikia.
21) Samaltam Deka
22) Sri Kulal Saikia
23) deep Topno.
24) [illegible]
25) Jyotishman Baruah
26) Pranjeet Gogoi
27) Barman Ghosh. [Field Engineer, Powergrid]
28) Gunin Chikang Dutta [Field Engineer, Civil, POWERGRID]
29) Dipankar Das [AE, POWERGRID]
30) [illegible]
31) Mousumi Gogoi (H.M Teacher)
32) Santana Baishya (FO(ESM), POWERGRID)
33) [illegible] (ward. 10)
34) Bina Ganju.
35) Udit Kishan Barah.
36) Phanindra Sarmah
37) [illegible]
38) [illegible]
39) [illegible]

Public Awareness Meeting For 33 KV Line From 132 KV Sarupathar (New) Sub Station to Sarupathar 33 KV (Exist) Sub- Station Under NERPSIP

Venue :- Naharani Lower Primary School, Sarupathar

Date And Time :- 27/10/2017, 2:30 PM

List of Participants :-

1) Rajesh Agarwal
2) [illegible]
3) [illegible]
4) [illegible]
5) [illegible]
6) [illegible]
7) [illegible]
8) Mayashree Bania
9) Surabhi Kalita
10) Jaya Tamuli Bonbaruah. (Naharani A.L.P.S.)
11) [illegible]
12) [illegible]
13) [illegible]
14) [illegible]
15) Lakshya Barua
16) Pranjal Saikia
17) Mukul Kalita
18) Sri Pradip Dutta

PUBLIC AWARENESS MEETING

Minutes of Meeting held at Sarupathar for Consultation with Public against Construction of 33 kV Transmission Line from 132 kV Sarupathar S/S (New) to 33/11 kV Sarupathar (existing) S/S and33/11 kVBarpathar S/S (existing) under North Eastern Region Power System Improvement Project (NERPSIP), a World Bank funded scheme.

Venue: -Naharani Primary School,Sarupathar

Date & Time: -27/10/2017, 2:30 P.M.

A public awareness meeting has been organized at Naharani Primary School near Sarupathar College, Sarupathar, Dist.- Golaghat,Assam on 27th October,2017 from 2.30 p.m. onwards to apprise the public about Construction of new 33 kV Lines from 132/33 kV Sarupathar Sub-Station (New) to Sarupathar 33/11 kV(Existing) Sub-Station and from Sarupathar 132/33 kV Sub-Station (New) to 33/11 kV Barpathar(Existing) Sub-Station. Both the proposed alignment of 33KV Transmission lines pass through the area of Naharani Village.

The meeting was held with local people and some public well aware of the project are also present there. The main objective of the meeting was to discuss about the various issues pertaining to the construction of proposed 33 kV Lines.

The meeting was presided over by the head mistress of Naharani Primary School, Sarupathar and started with a cordial environment.

The meeting commenced with anintroduction from the POWEWRGRID Officials to explain the detail of the Project and also the benefits of it, various environmental and socio- economic issues, compensation related issues etc.

The attendees of the meeting was provided with a Leaflet titled "PROJECT SUMMARY". Subsequently, after the introduction from POWERGRID official, it was requested to discuss about the project related issues, so that appropriate clarification can be providedfrom the project proponent.

In this regards, various issue were raised by the public for proper execution of the project in their locality. The issues discussed were:

1) The public present there in the meeting express their satisfaction for taking up of the project, which will solve power related problems faced by people of Sarupathar area.
2) The public have also assured to establish a mutual co-operation and covenant upon giving full support and assistance in respect of successful implementation of the project.
3) POWERGRID have assured that clear intimation to respective land owners will begiven prior to constructional activities.
4) Systemicpayment of compensation will be given as per rule to the affected people whose land is under effect during the construction of the transmission lines.

Officials from Power Grid Corporation of India Limited assured that all the genuine issues raised by the public will be given considerable importance during the project period and also suitable compensation will be paid for any damages incurred during the execution of the project.

Contd...P/2

In context to this, all the attendees have welcomed this project with great pleasure considering the power deficiency at the local areas.

The meeting was concluded with a vote of thanks from the official of Powergrid Corporation of India Ltd to the public and other personalities present at the meeting.

Officials of POWERGRID Present at the meeting.

1) D.D Mishra, Asst. General Manager, POWERGRID, Sarupathar.
2) Santana Baishya, FO (ESM), POWERGRID, Guwahati.
3) Dipankar Das, Asst. Engineer, POWERGRID, Sarupathar.
4) Chandan Bikash Dutta, Field Engineer (Civil), POWERGRID, Sarupathar.
5) Suman Ghosh,Field Engineer (Electrical), POWERGRID, Sarupathar.

D.D Mishra
सहा. महा प्रबंधक / Asst. General Manager
पा.ग्रि.आर.सि.एस.आइ.पि. / NERPSIP
पावरग्रीड / Powergrid
सरुपथार / Sarupathar

List of Public participant with signature s enclosed herewith.

PUBLIC CONSULTATION MEETING

A public awareness meeting has been Organised on 16-11-2017 at Vill- Hatigaon, GP- Hatigaon, P.O - Misa, Nagaon to discuss about construction of 33 KV New Line - connecting From 33/11 KV Hatimurah- II new substation to 220/132/33 KV Samaguri existing Grid Substation under NERPSIP Assam funded by World Bank.

The following participants were present in the meeting.

Signature of Villagers

1. [signature] Arif Lahar
2. Uttom Sobor
3. Gautam Bahera
4. Moby Das
5. Amrit
6. Sunderlal Gour
7. Uttom Poodhan
8. Sitesh Lahare
9. Sri Naresh Pujari
10. Sri Ganesh Lohar

Signature of APDCL

1) Bhagaban Barman
B. Barman

Signature of NECCON

1. Randhir Sarma Randhir Sharma.
2. Girdaharilal Parieek G.L.Parieek
3. Pranjit Gogoi. Pranjit Gogoi

Signature of POWERGRID.

1. U. Hoque, Sr. Engr
2. M.K. Naik, DTE


Public Consultation Meeting on
16/11/2017 for construction of 33kV line
from Samaguri 220 kV GSS to Hatimura 33
kV New S/S

MINUTES OF MEETING

A PUBLIC CONSULTATION HAS BEEN ORGANISED AT NORAHILOIDARI LP SCHOOL IN PRESENCE OF FOLLOWING PARTICIPANS TO DISCUSS/ AWARE ABOUT THE CONSTRUCTION OF 33 KV NEW DISTRIBUTICY LINE CONNECTING 132/33 KV (NEW) SUB-STATION AT TEOK TO 33/11 KV SUB-STATION AT ~~TEOK~~ ~~to~~ KOKAJAN, ON 21.11.2017 UNDER NERPSIP FUNDED BY WORLDBANK

PARTICIPANTS

APDCL/POWERGRID

1) Ranjan Jyoti Borah: SDE; Kakojan ESD
2) Ghanashyam Bhagawati, AM(AT) Kaj-ESD
3) Ankita Gogoi, JM, Kakojan ESD
4) S. N. Dey. Chief Manager NERPSIP - Teok
5) [illegible] Asstt. Eng. NERPSIP-Teok
6) B.C. Borgohain.

REPRESENTATION OF GP & VILLAGERS

1) [illegible]
2) Sree Pallab Saikia,
3) [illegible]
4) Prabanta Saikia.
5) Sri Birin Saikia
6) Sri Rochilim Rungsa Dutta.
7) Sri Bisaajit Kalita.
8) Sri Nolin Saikia.
9) Sri Abhijit Kalita.
10) " Lolit Kalita.
11) " Ajit Kalita.
12) " Pranjal Saikia.
13) " Bhaajal Saikia.
14) " Narayan Doley
15) Sri Gajarum Saikia,
16) Bijan Kalita.
17) Ampy Saikia.
18) [illegible] Saikia
19) Asha Saikia
20) ANISHA Saikia

PUBLIC CONSULTATION MEETING FOR 33KV DISTRIBUTION LINE
FROM 132KV TEOK NEW SUB-STATION TO 33KV KAKOJAN EXISTING SUB-STATION

MINUTES OF MEETING

A PUBLIC CONSULTATION MEETING HAS BEEN ORGANISED AT ZANJI PURONIMOTIA L.P. SCHOOL ZANJI, DIST- JORHAT ASSAM. IN PRESENCE OF FOLLOWING PARTICIPANTS TO DISCUSS/AWARE ABOUT CONSTRUCTION OF 33 K.V (NEW) DISTRIBUTION LINE CONNECTING 132/33 KV (NEW) SUB-STATION AT TEOK TO 33/11 K.V. SUB-STATION (EXISTING) AT ZANJI ON 18.11.2017 UNDER NERPSIP FUNDED BY WORLD BANK.

PARTICIPANT -

1. [signature] Arunjyoti Nath, SDE Gaurisagar ESD.
2. [signature] Kirti Chandra ok, FME Garisagar ESD
3. Prasanta Hazarika Sahayak
4/ Lorench Dutta.
5) B.C. Bargohain
6) [signature]
7) Md Sayid Ahmed
8) S. N. Dey [signature] Ch. Mgr TEOK

REPRESENTATIVE OF VILLAGERS

1. Sri Horen Dutta
2. Sri Bonti Boruah
3. [illegible]
4. Sri Dibyalata Dutta
5. Sri Chitram Juli Dutta.
6. " Runu Dutta.
7. " Dip Moni Dutta
8. Ratul Deka.
9. Jibok Dutta.
10. [illegible]
11. [illegible] Dutta
12. Jogen Dutta.
13. [signature] 18/11/17
14. [illegible]
15. [illegible]
16. [illegible]
17/ MD: Mozzol Amin
18/ Md. Mizanul Amin [illegible]

PUBLIC CONSULTATION MEETING FOR 33 Kv DISTRIBUTION LINE FROM 132 Kv TEOK NEW SUB-STATION TO 33 Kv EXISTING ZANGI SUB-STATION

MINUTES OF MEETING

A PUBLIC CONSULTATION MEETING HAS BEEN ORGANISED AT 232 NO. JOGIDUAR L.P. SCHOOL, VILL.- NARANG PACHANI, UNDER EAST TEOK G.P. IN PRESENCE OF FOLLOWING PARTICIPANT TO DISCUSS/AWARE ABOUT CONSTRUCTION OF 33 K.V. (NEW) DISTRIBUTION LINE CONNECTING 132/33 K.V.(NEW) SUB-STATION AT TEOK TO 33/11 K.V. SUB-STATION(EXISTING) AT TEOK & KAKOJAN ON 18.05.2017 UNDER NERPSIP FUNDED BY WORL BANK.

PARTICIPENT -

APDCL - TEOK

1/ Mukut ch. Saw, AGM, Teok
2/ Cinmoy Bhattacharyya SDE Teok Elect Building
3/ Sri Amarita Pd. Borthakur Gr.
4/ Sri Bradip kr. Dutta (Asstt)
5/ Sri Bijit Tasildar.

POWER GRID - TEOK

1) S. N. Dey, chief Manager RTHS
2)
3) Bharat ch. Borgohain (JE)

REPRESENTATIVE OF VILLAGERS

1/ Rafique Ch Baman Chairman, Teok Town Committee
2/ Nirmalendu p-tech president Teok press club,
3/
4/ Rajeev N.E.O.S. H/A. T.T.C.
5/
6/
7/ Malamoni Daveah
8/ Sri Dhrubajyoti Kakoti
9/ Lakhimi Bardoloi
10/ Ranjit Gogoi
12/ B. Borah
13/ Ritup Parna Sharma.
14/ Amit Jaiswal.
15/ Ratul Das
16/
17/
18/ Nirmal Kakoti.
19/ Pradip Dutta
20/ Gobinda Dutta
21/ P. L. Kalita.

PUBLIC CONSULTATION MEETING FOR 33KV DISTRIBUTION LINE FROM 132KV TEOK NEW SUB-STATION TO 33KV TEOK EXISTING SUB-STATION