

Environmental and Social Monitoring Report

Reporting Period: July 2023 to December 2023
(6th Monitoring Report)

Assam Intra-State Transmission System Enhancement Project

Prepared by Assam Electricity Grid Corporation Limited, Government of Assam (AEGCL) for the Asian Infrastructure Investment Bank.

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**SEMI ANNUAL ENVIRONMENTAL AND SOCIAL MONITORING
REPORT**

ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT
PROJECT

SUBMITTED TO
ASIAN INFRASTRUCTURE INVESTMENT BANK



SUBMITTED BY
ASSAM ELECTRICITY GRID CORPORATION LIMITED



TABLE OF CONTENTS

LIST OF ABBREVIATIONS.....	IV
EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	5
1.1 Brief Project Description	5
1.2 Project Progress Status and Implementation Schedule	25
1.3 Brief progress status of Project	28
2.0 COMPLIANCE WITH APPLICABLE REGULATIONS/STANDARDS	29
3.0 COMPLIANCE TO ENVIRONMENTAL AND SOCIAL COVENANTS FROM THE AIIB LOAN AGREEMENT	45
4.0 COMPLIANCE TO THE CIVIL WORK CONTRACT AGREEMENT	45
5.0 COMPLIANCE TO ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN	46
6.0 COMPLIANCE TO RESETTLEMENT ACTION PLAN AND TRIBAL PEOPLE'S PLAN (IF ANY).....	67
7.0 SUMMARY OF MONITORING RESULTS	67
7.1 ENVIRONMENTAL AND SOCIAL MONITORING	67
7.2 CAPACITY BUILDING MONITORING	79
7.3 ACCIDENT MONITORING	80
7.4 HIGHLIGHTED ACTIONS	80
8.0 IMPLEMENTATION OF GRIEVANCE REDRESSAL MECHANISM AND COMPLAINTS RECEIVED	81
9.0 CORRECTIVE ACTION PLAN.....	84
10.0 CONCLUSION AND RECOMMENDATIONS	84

List of Tables

Table Number	Particulars	Page Number
Table - 1	Details of Packages (Substation and Transmission Lines)	6
Table - 2	Details of Transmission Lines	18
Table - 3	Physical and Financial Progress Status of Project during the reporting period	24
Table - 4	Brief progress status of the project	27
Table - 5	ESIA - ESMP documentation status of each package as per approved ESMPF	28
Table - 6	Mobilisation of E&S resources at each level i.e. PMU, PMC, and contractors	32
Table - 7	Compliance with Applicable Regulations/Standards	36
Table - 8	Compliance with Environmental and Social Covenants from the AIIB Loan Agreement	44
Table - 9	Compliance with the Resettlement Action Plan and Tribal People's Plan	66
Table - 10	Package-wise Ambient Air Quality Monitoring Results (Baseline data generated for pre- monsoon season 2023)	67
Table - 11	Package wise Ambient Noise Level Monitoring Results (Baseline data generated for pre- monsoon season 2023)	67
Table - 12	Package wise Monitoring Results of Vibration (Baseline data generated for pre- monsoon season 2023)	68
Table - 13	Package wise Water Quality Monitoring Results (Baseline data generated for pre- monsoon season 2023)	68
Table - 14	Package wise Soil Quality Monitoring Results (Baseline data generated for pre- monsoon season 2023)	75
Table - 15	Details Capacity building programme	78
Table - 16	Status of Grievance Received and their Redressal	80
Table - 17	Key Issues and Corrective Action Plan	83

List of Figures

Figure Number	Particulars	Page Number
Figure – 1	Location map of Project	5

List of Appendices

Appendix Number	Particulars	Page Number
Appendix 1-A	ESIA-ESMP implementation monitoring for Sub-station component (July-December, 2023)	90
Appendix 1-B	Site visit details for Transmission lines (Jan-June, 2023)	92
Appendix 1-C	Photographs of Some of the site visits, EHS training and GRM training	93
Appendix 2	Attendance sheets for some of the consultations	106
Appendix 3	Sample copy of project site-specific Gantt chart (L2 Schedule)	112
Appendix 4	Sample copy of Consent to Establish (CTE) of Crusher	114
Appendix 5	Sample copy of Consent to Operate of Crusher	117
Appendix 6	Sample copy of Environmental Clearance of Stone Quarry	118
Appendix 7	Sample copy of Environmental Clearance of Sand Quarry	119
Appendix 8	Sample copy of Tree Cutting Permission	120
Appendix 9	Sample copy of PUC certificate	121
Appendix 10	Sample copy of Medical Tie up	122
Appendix 11	Sample certificate copy of Medical Examination	123
Appendix 12	Post Monsoon Environmental Quality Monitoring Status of all Packages under AIIB-AISTSEP Phase-I	124
Appendix 13	Forest diversion proposal of 14.28 Ha Forest Land of 400 kV S/C Silchalr Byrnihat TL for Sonapur Substation	125

LIST OF ABBREVIATIONS

AAQS	Ambient Air Quality Standards
AIIB	Asian Infrastructure Investment Bank
AEGCL	Assam Electricity Grid Corporation Limited
AISTSEP	Assam Intra-State Transmission System Enhancement Project
AGM	Assistant General Manager
ARAP	Abbreviated Resettlement Action Plan
BOCW	Building & Other Construction Workers
CGWB	Central Ground Water Board
CTE	Consent to Establish
CTO	Consent to Operate
DC or D/C	Double Circuit
EPC	Engineering, Procurement and Construction
E&S	Environment and Social
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
ESMoP	Environmental and Social Monitoring Plan
ESMPF	Environmental and Social Management Planning Framework
ESS	Environment and Social Standard
EIA	Environmental Impact Assessment
GoA	Government of Assam
GoI	Government of India
GRC	Grievance Redressal Committee
GRM	Grievance Redressal Mechanism
HSE&SMP	Health, Safety, Environment & Social Management Plan
HSE&SMoP	Health, Safety, Environment & Social Monitoring Plan
HMP	Hot Mix Plant
HTLS	High Temperature Low Sag
IA	Implementing Agency
L1	Lowest Tender or Lowest Bid
LA	Land Acquisition
N/A	Not Arises
MoEF&CC	Ministry of Environment, Forest and Climate Change
MoP	Ministry of Power
NOC	No Objection Certificate
OPGW	Optical Power Ground Wire
PAPs	Project Affected Persons
PFA	Power for All
PG	Power Grid
PGCIL	Power Grid Corporation of India Limited
PIU	Project Implementation Unit
PMC	Project Management Consultant
PMU	Project Management Unit
PUC	Pollution Under Control
ROW	Right of Way
RAP	Resettlement Action Plan
RPF	Resettlement Policy Framework
R&R	Rehabilitation and Resettlement
SPCB	State Pollution Control Board
ST	Scheduled Tribe
SC or S/C	Single Circuit

Assam Intra-State Transmission System Enhancement Project, Phase-1

SPCB	State Pollution Control Board
S/S	Substation
STU	State Transmission Utility
T/L	Transmission Line
TPP	Tribal People's Plan
T&T	Tower and Transmission
USD	United States Dollar
UTs	Union Territories

WEIGHTS AND MEASURES

Hec (hectare)	10,000 sq. mts
kV	Kilo Volt (1,000 volts)
MVA	Mega Volt Ampere

EXECUTIVE SUMMARY

This is the 6th semi-annual monitoring report prepared for the Phase 1 of the Assam Intra-State Transmission System Enhancement Project” (AISTSEP). The reporting period in this report covers July-December 2023. The report has been prepared in compliance with requirements of the approved ESMPF for the AISTSEP.

Asian Infrastructure Investment Bank (AIIB) extended financial assistance for AISTSEP to Assam Electricity Grid Corporation Limited (AEGCL), the Implementing Agency (IA), to support the implementation of Power for All (PFA) plan. PT Feedback Infra Limited, Indonesia in Association with Jade Consult Nepal and NIPSA, Spain has been engaged by AEGCL as Project Management Consultant (PMC). Phase I of the project includes the construction of 10 new substations in 400kV, 220kV and 132kV voltage level along with the associated (332.945 km) transmission lines (TL), Conversion of one no. of existing AEGCL S/S (132/33kV Gohpur) from AIS to GIS; Augmentation of 18 existing substations (replacement of old transformers with new transformers); Augmentation of 186 km of transmission line (restringing of One Single Circuit (S/C) line and two Double Circuit (D/C) line) by High Temperature Low Sag (HTLS) conductors; Replacement of ground wire to Optical Power Ground Wire (OPGW) for 636 km of transmission lines and substation equipment at substations.

The project has not been listed in the list of environmentally sensitive projects and hence, no Environmental Clearance is required, as per the Environmental Impact Assessment (EIA) Notification of 2006 and its subsequent Amendments by the Ministry of Environment, Forest and Climate Change (MoEF&CC). The project has been classified as category B, in accordance with the Environmental and Social Policy (ESP), as of now there is no protected area found within the subproject area. The sub-projects are located in different areas of Assam.

The following activities with regards to the Contract have been done during the reporting period.

- Compliance with Applicable Regulations/Standards is being done.
- Compliance to Environmental and Social Covenants from the AIIB Loan Agreement is being done.
- Compliance with the Environmental and Social Management Plan (ESMP) including the Environmental and Social Monitoring Plan (ESMoP) is being done.
- Semi-Annual monitoring report for the period January to June, 2023 updated and submitted to AIIB on 29th July, 2023 and approval received from AIIB on 8th August, 2023.
- Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to the original scope of 3 nos. Transmission Line by High-Temperature low sag (HTLS) conductor submitted to AIIB on 15th September, 2023 and approval received from AIIB on 11th October, 2023.
- Extended CESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to the original scope of 3 nos. Transmission Line by High Temperature low sag (HTLS) conductor submitted to AIIB on 15th December, 2023. Approval is awaited from AIIB.

Assam Intra-State Transmission System Enhancement Project, Phase-1

- Accident monitoring is being done as per requirement. During the reporting period, some minor incidents occurred such as slight cut in the hand, finger and knee of the labourer working in the construction activities under several Packages.
- Compliance of the CESMP is being done by EPC contractors under the direct supervision of PMC as per contract requirements.

Following are the key findings noted during the reporting period.

- Copies of permissions/consents related to the updated Erection All Risk Policy, Workmen's Compensation Policy and Labour License etc are being submitted by EPC contractors.
- Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya Transmission Line in addition to the original scope of 3 nos. Transmission Line by High-temperature low sag (HTLS) conductor submitted to AIIB on 15th September, 2023 and approval received from AIIB on 11th October 2023.
- Trees falling permission for Gohpur substation obtained from the DEPARTMENT OF ENVIRONMENT & FORESTS OFFICE OF THE DIVISIONAL FOREST OFFICER SONITPUR EAST DIVISION, BISWANATH CHARIALI on 11th of July, 2023 and execute on 05th of August, 2023.
- Forest clearance for T/L of package H (Sonapur) is under process. Meanwhile, the registration in the MOEFC portal is completed for online submission and the online application for forest clearance has been submitted vide proposal no. FP/AS/TRANS/411353/2022 on 19th Dec'22. As per the new guidelines of PARIVESH 2.0 the 1st Project Screening Committee (PSC) meeting was held by Nodal Officer (FC Act), PCCF on 25.01.2023 and some queries were received. Reply to these queries already submitted to PCCF. The 2nd PSC meeting was held by Nodal Officer (FC Act), PCCF on 2nd June, 2023 and the committee had apprised that as there are no further quarries/issues in the said proposal, hence forwarded to the DFO level (Part II) for further processing. Form-A Part-IV of the proposal will be recommended and approved by the State Secretary, Dept. of Environment and Forest, GoA after careful examination of the proposal. The proposal is under process at the State Secretary level.

*After approval from the State Secretary, Dept. of Environment and Forest, GoA, the proposal will be forwarded to the Integrated Regional Office, MoEF&CC, Guwahati office (Form A Part V) for recommendations and In-Principal approval.

The Regional Empowered Committee (REC) meeting was held at RO, MoEF&CC, Shillong. Queries (8nos) sought by IRO on 14.11.2023 to the State Govt followed by NO, FC Act, Aranya Bhawan.

All the replies by User agency (AEGCL) and NO cum PCCF have submitted on 30.11.2023 to the State Govt.

The report has been forwarded from State Govt to IRO, Guwahati, MoEF&CC on 08.12.2023. RO, MoEF&CC, Shillong organised a REC meeting on 19.12.2023 for the issuance of In-Principal Approval.

- For the RoW permission of the route passing through different villages for the construction of new LILO 400KV Silchar-Byrnihat T/L, Joint Verification in a few locations/ villages has been conducted by the Lat Mandals of Sonapur Revenue Circle to ascertain the status of the land.
- Project signboards are being displayed, PPE kits are being provided, fire extinguishers are installed and labour facility is being provided by EPC contractors for all project sites.

Assam Intra-State Transmission System Enhancement Project, Phase-1

- Physical joint verification survey of land owner identification/ tower location of 132 kV DC Khumtai-Sarupathar TL and 132 kV LILO of Jorhat West-Bokakhat at Khumtai TL under Package-D was conducted during the reporting period. However, the survey reports are awaited from all the concerned Circle Offices.
- The detailed joint survey of the 132 kV Rowta - Sipajhar (AEGCL-Existing) S/C Line at Burhigaon was conducted, adhering to the approved 132kV tower spotting data. Subsequently, the tower schedule and profile were prepared accordingly and submitted to AEGCL for approval. Additionally, the enumeration and survey of trees and Zirat were completed. Once the tower spotting data is approved, a final check survey will be conducted. Furthermore, joint surveys for landowner identification will be conducted in selected locations with the respective Circle Offices, and the details of land scheduling will be finalized. The Landowner identification report was received from Revenue Circle, Chhaygaon on 1st July 2023 for LILO of 220kV Azara – Boko line. However, the final calculation of the tower base area of Project affected persons is pending from the Circle Office, as the base area of the tower has not yet been finalized and submitted to the Circle Office.
- All EPC contractors are requested to submit all the relevant permissions/consents related to borrow earth for filling works from the competent authority (Forest/ Revenue Department). The permission for borrow earth has been submitted by respective EPC of Jakhalabandha S/s under package – A, Chhaygaon S/s under package - B and Khumtai S/s under package - D.
- Public Grievance Redressal boxes are being installed at all the substation sites for receiving written grievances from the public.
- Medical tie-up with the nearby hospital has been done by the respective EPC contractors except package - D.
- Post Monsoon Environment Quality Monitoring has been done by the respective EPC contractors of Package- A, B, C, D and E. However till the reporting period EPC contractor of Package F has not done the EQM test.

The following are the corrective actions to be taken:

- PIU/PMC needs to follow up with the District Authority to obtain permission of ROW for LILO of 220kV Samaguri (AEGCL- Existing) –Sarusajai D/C line for Nagaon 2 substation.
- Joint verification of land owner identification survey of Transmission Lines with the concerned revenue department needs to expedite to finalize the land scheduling for Bihpuria TL, Khumtai TLs Sankardevnagar TL, and Agomoni TL.
- EPC contractors to finalize the check survey as per the approved tower spotting data with utmost urgency and expedite the process and submit the comprehensive report.
- All EPC contractors to deploy the designated personnel, including the Community Consultation Officer, with immediate effect for Transmission Line works.
- all respective PIU officials of AEGCL to communicate to all stockholders/departments for providing various government rates for compensation of crop damage, plantation damage, tree cutting, trimming, utilities, etc. that will be damaged during construction works.
- PIU to communicate with the concerned departments for obtaining statutory clearance if any is required, such as Railway crossing, NHAI, PTTC Power Grid etc.

Assam Intra-State Transmission System Enhancement Project, Phase-1

- PIU/PMC is required to ensure that work-related signboard is to be displayed in all project sites, sufficient numbers of PPE kits need to be provided in all project sites and proper labour facilities are also to be provided by the EPC contractors in their respective packages.
- PIU/PMC is required to ensure the filling up of necessary work-related checklists regularly by EPC contractors in all the ongoing working sites.
- PMU/PIU/PMC is required to ensure that all EPC contractors will comply with proper housekeeping, proper drainage facilities/waste management facilities at all substation sites.
- PMC intends to impart more onsite training on EHS&S – to AEGCL and EPC contractor team members.
- PMC is required to conduct weekly project site visits to monitor Safety and Quality through Key Experts apart from regular monitoring by E&S support staff.
- PMC is required to ensure the Monthly External Safety Audits at each project site by PMC's Technical experts.
- PMC requires ensuring the Weekly / Monthly review meetings with EPCs in coordination with AEGCL to monitor project activities, and status and resolve issues.

EPC contractors are to comply with the following on a timely basis:

- Submit all updated legal/regulatory/statutory documents of relevant work within the stipulated time frame.
- Comply with the Environmental and Social Management Plan as per CESMP and ESMPF till completion of the project.
- Conduct Environmental monitoring as per CESMP and ESMPF till completion of the project.
- EPC contractors should resolve/settle minor issues that arise during the execution of the project. Based on the facts, it has been noted that compliance for most of the E&S monitoring is being done for the project. However, more efforts will be ensured for uninterrupted workflow at the site and timely completion of the project.

Assam Intra-State Transmission System Enhancement Project, Phase-1

1.0 Introduction

Asian Infrastructure Investment Bank (AIIB) extends financial assistance for the “Assam Intra-State Transmission System Enhancement Project” (AISTSEP) to Assam Electricity Grid Corporation Limited (AEGCL), the Implementing Agency (IA), to support the implementation of Power for All (PFA) plan. The loan agreement was signed on February 23, 2021, and became effective on May 19, 2021, with a closing date of April 30, 2026. PT Feedback Infra Limited, Indonesia in Association with Jade Consult Nepal and NIPSA, Spain has been engaged by AEGCL as Project Management Consultant (PMC).

1.1 Brief Project Description

Phase-I of the project includes the construction of 10 new substations in 400kV, 220kV and 132kV voltage level along with the associated (332.945 km) transmission lines (TL), Conversion of one no. of existing AEGCL S/S (132/33kV Gohpur) from AIS to GIS; Augmentation of 18 existing substations (replacement of old transformers with new transformers); Augmentation of 186 km of transmission line (restringing of One Single Circuit (S/C) line and two Double Circuit (D/C) line) by High Temperature Low Sag (HTLS) conductors.; Replacement of ground wire to Optical Power Ground Wire (OPGW) for 636 km of transmission lines and substation equipment at substations.

Moreover, one number of supplementary transmission line is added for replacement of existing conductor with new HTLS conductor as per amendment to original loan agreement with AIIB, i.e. augmentation of new 132 kV Sarusajai –Kamakhya High Temperature Low Sag (HTLS) conductors under Package-L

The sub-projects are located in different areas of Assam. The location map of sub-projects is depicted in Figure – 1.

Assam Intra-State Transmission System Enhancement Project

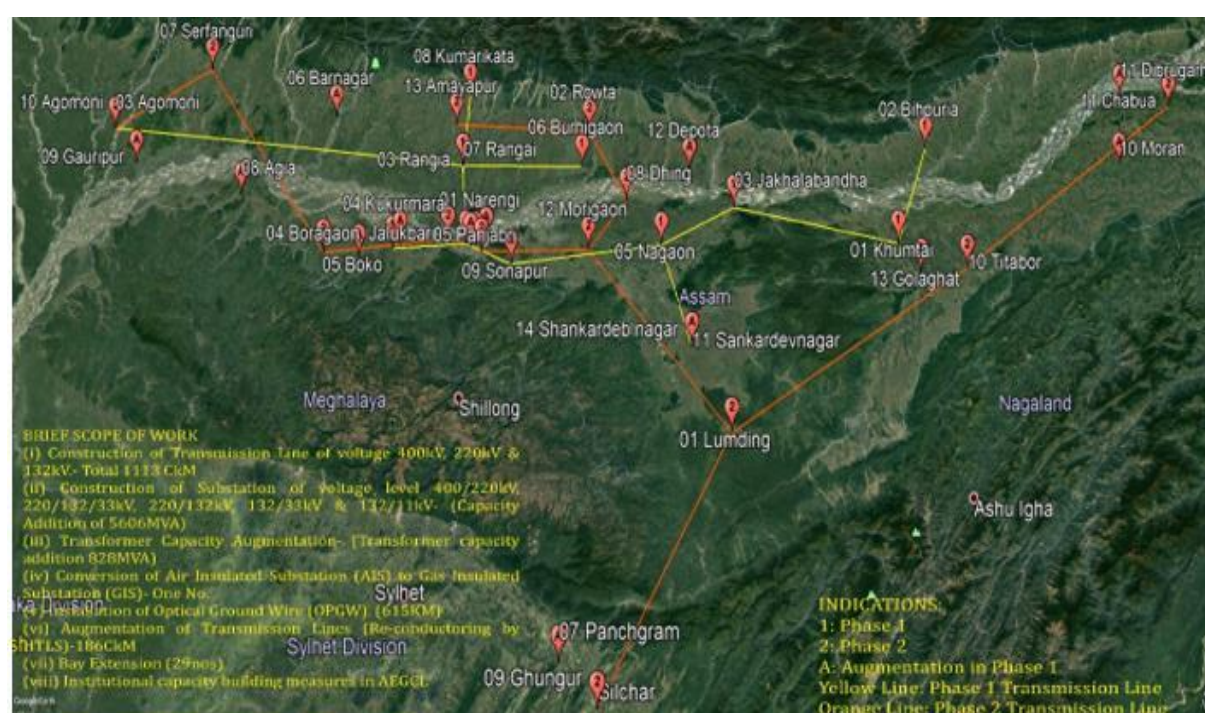


Figure – 1: Location map of Project

1.1.1 Details of Substations and Transmission Lines

Table –1: Details of Packages (Substations and Transmission Lines)

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
A	M/s Neccon Power & Infra Ltd.	Establishment of new 220/33kV (2X 100MVA), GIS substation at Bihpuria (26°59'17.975"N 93°50'14.797"E)	220 kV Bihpuria (New) - Sonabil (Existing) D/C Line – 88.324 km	26/07/2021	22/12/2021	Bihpuria / North Lakhimpur	AGM, North Lakhimpur T&T Division, AEGCL	2	2	Plain low land	Agricultural land	AEGCL (Transferred from Govt.)
		Establishment of new 220/33kV (2X100 MVA), GIS substation at Jakhlbandha (26°34'22.32"N 92°59'47.50"E)	LILO of 220 kV Samaguri - Mariani line at Jakhlbandha (New) S/C Line – 2.715 km			Jakhlbandha / Nagaon	AGM, Samaguri T&T Division, AEGCL, Samaguri	2.5	2	Plain	Barren	AEGCL (Transferred from APDCL)
B	Consortium of R.S. Infraprojects Pvt. Ltd. and M/s SIEMNS	Establishment of new 220/33kV (2X100 MVA), GIS substation at Chhaygaon (26° 2'58.10"N	LILO at Chaygaon on 220kV Azara – Boko (Existing) line			Chhaygaon / Kamrup (R)	AGM, Mirza Division AEGCL, Kukurmara	1.33	1.33	Plain	Barren	AEGCL (Transferred from IGC, AIIDC)

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
	Ltd.	91°16'33.09"E)	– 1.61 km									
		Establishment of new 220/33kV (2X100 MVA), GIS substation at Nagaon-2 (26°22'43.31"N 92°41'45.98"E)	Samaguri – Sarusajai (Existing) 220kV D/C Line – 1.56 km	28/07/2021	02/02/2022	Nagaon Town/ Nagaon	AGM, Nagaon T&T Division, AEGCL, Nagaon	2.63	2.003	Plain low land	Barren	AEGCL (Transferred from APDCL)
C	M/s Siddhartha Engineering Ltd JV with M/s New Modern Technomech Ltd.	Establishment of new 132/33kV (2X50MVA), GIS substation at Burhigaon (26°32'39.84"N 92°10'40.71"E)	LILO of 132 kV Rowta - Sipajhar (AEGCL-Existing) S/C Line at Burhigaon (AEGCL-New) - 11.85 km	30/07/2021	06/12/2021	Burhigaon / Darrang	AGM 132kV (GSS) Grid Substation, Depota, AEGCL Tezpur.	0.79	0.79	Plain	Barren	AEGCL (Transferred from APDCL)
D	M/s R.S Infra Projects Pvt. Ltd. JV with Parth Electricals Pvt. Ltd.	Establishment of new 220/132kV (2X160MVA), GIS substation at Khumtai (26°34'9.414"N 93° 47'10.23"E)	i. LILO of 220 kV Samaguri - Mariani line 1 at Khumtai – 10.167 km.	04/05/2022	01/07/2022	Khumtai / Golaghat	AGM, 220kV Mariani GSS, AEGCL. And AGM, T&T Division,	6.8	6.83	Slope	Tea Garden land	AEGCL (purchased from Tea Garden)

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
			ii. LILO of 132 kV Jorhat (W) - Bokakhat (Existing) at Khumtai (New) S/C Line – 10.198 km ii. 132 kV Khumtai (New) - Sarupathar (Existing) S/C Line – 61.205 km				Golaghat, AEGCL					
E	M/s Godrej & Boyce Mfg. Co. Ltd.	Establishment of new 220/132kV (2X160MVA), GIS substation at Agomoni (26°28'8.16"N 90° 0'40.55"E)	LILO of 220 kV Alipurduar (PGCIL) - Bongaigaon (PGCIL) D/C line at Agomoni (New) Loop In- 2.640	10/01/2022	09/04/2022	Agomoni / Kokrajhar	AGM, 132kV Dhaligaon GSS, AEGCL	3.6	3.6	Plain	Barren	AEGCL

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
			km and Loop Out- 2.215 km									
		Establishment of new 220/132kV (2X160 MVA), GIS substation at Shankardevnagar (25°59'13.70"N 92°55'31.56"E)	220 kV Sankardevnagar (New)-Misa D/C Line- 26.487 km			Shankardevnagar / Hojai	AGM, 220kV Samaguri GSS, AEGCL	2	2	Plain	Barren	AEGCL
F	M/s Sumaja Electroinfra Pvt. Ltd.	Conversion of one existing AEGCL substation (132/33kV) Gohpur From AIS to GIS (26052'.12.3" N 93035'.41.2" E)	Not Applicable	07/11/2022 (Contract agreement signed)	08/04/2023	Gohpur / Biswanath	AGM, Nalkata Division, N. Lakhimpur	6.72	6.72	Plain	Existing AEGCL S/S	AEGCL
G	To be awarded	Establishment of new 400/220kV (2X500MVA), GIS substation	i. LILO of both circuits of 400kV Balipara (PG)	Bidding documents floated on the AEGCL	-	Tamulpur / Baksa	AGM, Rangia, AEGCL	7.47	8.34	Plain	Agricultural Land	AEGCL (purchased from Private)

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
		at Rangia and 132/33kV GIS substation (2X50MVA Transformers) at Kumarikata(26°38'27.86"N 91°36'22.52"E)	Bongaigaon (PG) DC line with twin Moose ACSR at 400kV Rangia GIS Loop In - 1.595 km Loop Out- 0.552km ii. D/C LILO of 220kV Amingaon-Rangia at Rangia GIS Loop In - 31.947km Loop Out- 35.323km iii. Kumarikata (AEGCL-New) - Nalbari (AEGCL-Existing)	website on 12/12/2023								Owner)

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
			132 kV S/C Line on D/C Tower at Kumarikata GIS 36.271 km									
H	To be awarded	Establishment of new 400/220 kV (2X500 MVA), GIS substation at Sonapur (26° 7'55.78"N 91°59'56.80"E)	LILO of 1 ckt of 400 kV Silchar (PGCIL) - Byrnihat (Meghalaya) Line at Sonapur GIS (AEGCL-New) -19.606km	Bidding documents floated on the AEGCL website on 22/12/2023	-	Sonapur / Kamrup (M)	AGM, Kahilipara, AEGCL	1.2	1.2	Plain low land	Barren	AEGCL
H1	M/s High-Tech Green Contractors LLP	Construction of Approach Road for 400/220/132kV Substation at Sonapur including the construction of CD works, RCC	N/A	Contract agreement yet to be signed)	-	Sonapur / Kamrup (M)	AGM, Kahilipara, AEGCL	-	2.62	Plain low-lying land	Barren and Swampy	AEGCL. (Land acquisition is under process).

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
		drain cum FP, RCC toe wall etc.										
I	M/s BLUE STAR Ltd.	Narengi: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers Kahilipara: 3X50MVA, in place of 1X31.5MVA + 2X30MVA 132/33 kV, Transformers (as per ESMPF: Kahilipara: 3x50 MVA, in place of 2x31.5 MVA & 1x30 MVA, 132/33kV) Rangia: 2X50MVA, in	Not Applicable	06/09/2021	06/12/2021							

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
		place of 2X25MVA, 132/33kV, Transformers Kukurmara, 2X50MVA, in place of place of 1X25MVA + 1X16MVA, 132/33kV Transformers Boko: 1X160MVA + 1X100MVA in place of old 1X50MVA, 220/132kV Transformers {as per supply & dismantling: 1X100MVA is not available in Bill Of Quantities (BOQ)}										

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
J	M/s BLUE STAR Ltd.	Bornagar: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers Panchgram, 2X50MVA, in place of 2X25MVA, 132/33kV Transformers Agia: 1X160MVA + 1X100MVA in place of 1X50MVA + 1X100MVA, 220/132kV Transformers Gauripur: 2X50MVA, in place of 2X25MVA,	Not Applicable	19/07/2021	06/12/2021							

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
		132/33kV Transformers										
K	M/s Siddhartha Engineering Ltd JV with M/s New Modern Technomech Ltd.	Moran: 2X50MVA, in place of 2X16MVA, 132/33 kV Transformers Dibrugarh: 2X50 MVA, in place of 2X31.5 MVA, 132/33kV Transformers Depota: 2X50MVA, in place of 2X31.5MVA, 132/33kV, Transformers Golaghat: 2X50MVA in place of 2X25MVA, 132/33kV	Not Applicable	30/09/2021	06/12/2021							

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
		Transformers Shankardevnagar: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers										
L	M/s APAR Industries Ltd.	Not Applicable	Augmentation of 161 km of transmission line (restringing of One Single Circuit (S/C) line and two Double Circuit (D/C) lines) by High Temperature Low Sag (HTLS) conductors	23/07/2021	14/08/2021							
M	M/s Sterlite Power Transmissi	Not Applicable	Replacement of ground wire to Optical	30/10/2021	17/01/2022							

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Name of EPC Contractor	Scope of Work		Contract Award	Contract Effective Date	Location / Village / Town / Tehsil / District	Consignee / Concerned Division Official	Area as per Appendix-11 of ESMPF (in Hectare)	Area at present (In Hectare)	Slope/ Plain	Type of Land	Ownership
		S/S Details	Transmission line details in (km)									
	on Ltd.		Power Ground Wire (OPGW) for 636 km of transmission lines									

Assam Intra-State Transmission System Enhancement Project, Phase-1

1.1.2 Details of Transmission Lines

Details of transmission lines are given in the Table below.

Table 2: Details of Transmission Lines

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
A1. Bihpuria (AEGCL-New) – Sonabil (AEGCL-Existing) 220kV D/C Line					
88.324	88.324	293	35	49	1) Pabhoi 2) Gereki 3) Bapujar 4) Kala Pani 5) 3 No. Pulisomani 6) 1 No. Pulisomani 7) Gingia 8) Uttar Gingia 9) Solmari 10) Bargang 11) SeherliaKuhier Bari 12) Hatimara 13) Sialmari 14) KulaguriJarani 15) BihmariJarani 16) Madhupur 17) Rakhalkuthi 18) Gosala 19) Halibari 20) Singlijan 21) Toton Bari 22) 1 No. Jogi Bari 23) Itapara 24) Jalauk Bari 25) Gupsar 26) Bholaguri 27) Magani Kochari 28) Prub Bari 29) Dalhoushe 30) Mohanigaon 31) Kumar Kata 32) 2 No. Kumar Kata 33) 1 No. KolikaGuri 34) Kumar Kata 35) 2 No. Kumar Kata 36) 3 No. Kumar Kata 37) Changmara 38) ChangmaraGuri 39) Major Dolani 40) Khalihamari 41) 1 No. Khalihamari 42) 2 No. Khalihamari 43) PetwaGusani Than 44) Dhalpur 45) KhanaPichona 46) Sarai Dholani 47) Derguwa 48) 3 No. Tatibahar 49) Jarabari

Assam Intra-State Transmission System Enhancement Project, Phase-1

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
A2. LILO of 220kV Samaguri –Mariani line1 (AEGCL-Existing) at Jakhlabandha (AEGCL-New) S/C line					
2.715	2.715	11	35	3	1) SeconeePathar 2) SeconeeBorhola 3) Barholagaon
B1. LILO of 220kV Azara – Boko (AEGCL-Existing) D/C Line at Chhaygaon					
1.619	1.61	9	35	2	1) 2 No. Jambari 2) Paneri
B2. LILO of Samaguri (AEGCL- Existing) –Sarusajai (AEGCL-Existing) 220kV D/C Line at Nagaon-2 (AEGCL-New)					
1.565	1.56	6	35	2	1) Holmare 2) Laogaon
C. LILO of 132 kV Rowta – Sipajhar (AEGCL-Existing) S/C Line at Burhigaon (AEGCL-New)					
11.858	11.85	45	27	10	1) Barbari 2) Warpara 3) Barduwaneja 4) Punia 5) Nijnoakujan 6) Paschimkamarpara 7) Kamarpara 8) Baruipara 9) Mandalpara 10) Burhigaon
D1. LILO of 220kV Samaguri – Mariani(AEGCL-Existing) S/C Line 1 at Khumtai (AEGCL-New) – Samaguri (AEGCL-Existing) – S/C Line					
10.167	10.167	34	35	8	1) Bangoan 2) Helochai Gaon 3) Khumtai 4) Leteku Chapori 5) Dhansiri Sapori 6) Marangi Grant 7) Marangi Tea State 8) Letekujan Tea State
D2. LILO of 132 kV Jorhat (W)-Bokakhat (AEGCL-Existing) at Khumtai (AEGCL- New) S/C Line					
10.198	10.198	32	27	7	1) Letekujan Grant 2) Marangi Tea State 3) Letekujan Tea State 4) Bangoan 5) Khumtai 6) Songkola 7) Borgoria Chupri
D3. Khumtai (AEGCL-New) – Sarupathar (AEGCL-Existing) 132 kV S/C Line					
61.205	61.205			31	1) Ikorani

Assam Intra-State Transmission System Enhancement Project, Phase-1

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
		198	27		2) Premhora 3) No-1 tengrajan 4) No-2 Tengrajan 5) Rongagarh 6) Kharua 7) Nahor Bari 8) Baramukhia 9) Borchapori 10) Chakali 11) Dapathar 12) Basapathar 13) 1 No Herhari 14) 2 No Herhari 15) Jamuguri 16) Kochari 17) Sipaibari 18) Dayang 19) Oating 20) Garigaon 21) Borpothorua 22) Daehomua 23) Kathkotia 24) Rangajan 25) Sarargaon 26) Telia Gaon 27) Prajabasti 28) 1 Long Sesabil 29) 2No Doigrang 30) Pankagaon 31) Khumtai
E1. Shankardevnagar (AEGCL-New) – Misa (AEGCL-Existing) 220 kV D/C Line					
26.457	26.487	95	35	19	1) Hojai 2) Pam Gaon 3) Tetultala 4) Dhanuhar Basti 5) Telibasti 6) Dimrupar 7) Sholmari 8) Pub-Solmarijan 9) Nikharimukh 10) Bhedeoati 11) Bheloguri Pather 12) Fakira Basti 13) Alinagar

Assam Intra-State Transmission System Enhancement Project, Phase-1

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
					14) Fatehpur 15) Kathalpur 16) Solmarianpacchim 17) DakhinBhedeoati 18) Changmaji 19) Dighaljar
E2. LILO of 220 kV both ckt of Alipurduar (PGCIL) – Bongaigaon (PGCIL) D/C Line at Agomoni (AEGCL- New)					
2.216	Loop In-2.640 km and Loop Out- 2.215 km	20	35	3	1) Kadamguri – II 2) Anthaibari 3) Dhauliguri
G1. LILO of both circuits of 400kV Balipara (PG) – Bongaigaon (PG) DC line with twin Moose ACSR at 400kV Rangia GIS					
21	Loop In -1.595	6	52	1	1) Kachubari
	Loop Out- 0.552	4	52	2	1) Kachubari 2) Geruapar
G2. D/C LILO of 220kV Amingaon- Rangia at Rangia GIS					
20	Loop In -31.947	113	35	14	1) Khairbari 2) 2No Nokul 3) GokhaiHolmari 4) Hiragata 5) Deulkuchi 6) Dhapergaon 7) Matikata 8) Borghuli 9) Gohaigoan 10) Dongpara 11) Jugmary 12) Sherampara 13) Gandibari 14) Kachukata
	Loop Out- 35.323	126	35	14	1) Kachukata 2) Singibari 3) Uttar Gandhibari 4) Gandhibari 5) Halonbari 6) Gurmou 7) Paschim Chandamari 8) Bhehbari 9) Deulkuchi 10) Uttar Bardal 11) Hiragata 12) North Bardal 13) 2No Nokul

Assam Intra-State Transmission System Enhancement Project, Phase-1

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
					14) Khairbari
G3. Kumarikata (AEGCL-New) – Nalbari (AEGCL-Existing) 132 kV S/C Line on D/C Tower at Kumarikata GIS					
40	36.271	131	27	20	1) Ramechubari 2) Hauli 3) Pubhawly 2 No 4) Sarangbari 5) Dighelipar 6) Dimilapar 7) PurbaDimilapar 8) Puneya 9) Bhakatpara 10) Borbil 11) Uttar Barshiyal 12) Bherbheri 13) Dham Dhma 14) Azanpur 15) Vhalamari 16) Rangafali 17) Ahudhali 18) Kachimpur 19) Sariahtali 20) Nalbari
H. LILO of 1 ckt of 400 kV Silchar (PGCIL) – Byrnihat (Meghalaya) Line at Sonapur GIS (AEGCL-New)					
25	19.500	62	52	13	1. BoroThondo 2. Moupur 3. Ghamal 4. Langurighat 5. Rahuri 6. Nartap 7. Bhung Gaon 8. Tetelia 9. Boda Gaon 10. Borkusil 11. Horikota 12. Momora 13. Sonapur
L1. Transmission Capacity Augmentation					
Kukurmara – Sarusajai 220kV D/C line HTLS RESTRINGING					
48					
L2. Gossaigaon – Gauripur 132kV S/C line HTLS RESTRINGING					
62					
L3. M.BTPS (Salakati) – Dhaligaon 132kV D/C Line HTLS RESTRINGING					
76					

Assam Intra-State Transmission System Enhancement Project, Phase-1

Line length (in km) as per ESMPF	Line length (in km) as per Survey Report	No. of Towers	Right of Way (ROW in mts)	No. of Affected Villages	Names of the Affected Village
L4. New 132 kV Sarusajai-Kamakhya Line HTLS RESTRINGING					
9					
M. Replacement of Ground Wire to OPGW					
636					

1.2 Project Progress Status and Implementation Schedule

Table 3: Physical and financial progress status of the project during the reporting period

Sl. No.	Pkg No.	Effective/ Schedule Completion date	Agency	Order Value (INR Cr.)	Sub Station/ Transmission Line Name	Overall Progress	Financial Progress till 31 st December, 2023 in %
1	Pkg- A	Effective Date of Contract– 22.12.2021 Scheduled Completion Date- 22.12.2024	M/s Neccon Power and Infra Ltd	228.13	Construction of 220/33kV, 2X100MVA GIS at Bihpuria	12.09%	8.70%
					Construction of 220/33kV, 2X100MVA GIS at Jakhalabandha	21.90%	
					220kV D/C Pabhoi - Bihpuria Transmission Line – 88 Km	9.5%	
					220kV LILO from Samaguri- Mariani (Line-1) Transmission Line at Jakhalabandha GIS– 2.71Km	9.5%	
2	Pkg- B	Effective Date of Contract– 02.02.2022 Scheduled Completion Date- 02.02.2025	Consortium of M/s R.S Infra Projects Pvt. Ltd. & M/s Siemens Ltd	133.98	Construction of 220/33kV, 2X100MVA GIS at Chaygaon	18.86%	11.0%
					220kV LILO from Mirza - Boko Transmission Line at Chaygaon GIS – 1.61 Km	8.10%	
					Construction of 220/33kV, 2X100MVA GIS Nagaon-2.	19.13%	
					220kV LILO from Jawahar Nagar - Samaguri Transmission Line at Nagaon 2 – 1.56 Km	8%	
3	Pkg- C	Effective Date of Contract– 06.12.2021 Scheduled Completion Date- 06.12.2024	M/s Siddhartha Engineering Limited JV with M/s New Modern Technomech Pvt. Ltd	47.64	Construction of 132/33kV, 2X50 MVA GIS at location (Burhigaon)	33.29%	30.29%
					132 kV LILO of Siphajhar - Rowta Transmission Line at Burhigaon GIS– 11.85 km	25.32%	
4	Pkg- D	Effective Date of Contract– 01.07.2022 Scheduled Completion Date- 01.07.2025	M/s R.S Infra Projects Pvt. Ltd. JV with Parth Electricals Pvt. Ltd.	200.65	Construction of 220/132kV, 2X160 MVA; 132/33kV, 2X50 MVA GIS at location (Khumtai)	11.84%	8.50%
					LILO of 220kV Samaguri - Mariani line 1 at Khumtai – 10.16 km.	8.27%	
					LILO of 132 kV Jorhat (W) - Bokakhat (Existing) at Khumtai (New) S/C Line – 10.19 km	11.16%	
					132 kV Khumtai (New) - Sarupathar (Existing) S/C Line – 61.20 km	12.41%	
5	Pkg- E	Effective Date of Contract–	M/s Godrej & Boyce Mfg. Co. Ltd	223.48	Construction of 220/132kV, 2X160 MVA GIS at Shankardevnagar	19.91%	17.55%

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Pkg No.	Effective/ Schedule Completion date	Agency	Order Value (INR Cr.)	Sub Station/ Transmission Line Name	Overall Progress	Financial Progress till 31 st December, 2023 in %
		09.04.2022 Scheduled Completion Date- 08.04.2025			220kV D/C Transmission Line from Shankardevnagar - Misa S/S -26.45 km	12%	
					Construction of 220/132kV, 2X160 MVA GIS at Agomoni	27.89%	
					220kV LILO of both Circuit of Alipurduar – Bongaigaon (PGCIL) D/C Line at Agomoni GIS– 3 Km	12%	
6	Pkg- F	Effective Date of Contract– 08.04.2023 Scheduled Completion Date- 07.04.2026	M/s Sumaja Electro Infra Pvt. Ltd.	46.56	Conversion of existing 132 kV Gohpur AIS to GIS Substation	9.55%	9%
7	Pkg- G	----	----	----	Construction of 400/220kV, 2X500 MVA GIS; 220/132kV 1X160 MVA GIS; 132/33kV, 2X50 MVA AIS (Kumarikata) at one location (Rangia) and its associated lines.	---	---
8	Pkg- H	----	----	----	Construction of 400/220kV, 2X500 MVA GIS at location (Sonapur) and its associated lines.	---	----
9	Pkg- I	Effective Date of Contract– 06.12.2021 Scheduled Completion Date- 06.12.2023	M/s Blue Star Limited	61.27	Augmentation / Upgradation of 132/33 kV Substations at: i. Narengi ii. Kahilipara iii. Rangia iv. Kukurmara v. Boko vi. Nalbari	69.25%	76%
10	Pkg- J	Effective Date of Contract– 06.12.2021 Scheduled Completion Date- 06.12.2023	M/s Hi-Tech Corporation JV with M/s Technical Associates Ltd (JV Partner)	42.7	Augmentation / Upgradation of 132/33 kV Substations at: i. Bornagar ii. Panchgram iii. Gauripur iv. Hailakandi Augmentation / Upgradation of 220/33 kV Substation at Agia	94.35%	96%

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Pkg No.	Effective/ Schedule Completion date	Agency	Order Value (INR Cr.)	Sub Station/ Transmission Line Name	Overall Progress	Financial Progress till 31 st December, 2023 in %
11	Pkg- K	Effective Date of Contract– 06.12.2021 Scheduled Completion Date- 06.12.2023	M/s Siddhartha Engineering Private Ltd.	43.98	Augmentation / Upgradation of 132/33 kV Substations at:	98%	91.19%
					i. Dibrugarh		
					ii. Depota		
					iii. Golaghat		
					iv. Rowta		
					v. Moran		
					vi. Samaguri		
					vii. Sarusajai		
13	Pkg- L	Effective Date of Contract– 14.08.2021 Scheduled Completion Date- 14.08.2023	M/s Apar Industries Ltd	97.82	Augmentation of Transmission Line Capacity (Three Lines) (HTLS) (148 Ckm)	96.01%	87.27%
					i. 220kV Sarusajai - Mirza Transmission line		
					ii. 132 kV Salakati - Dhaligaon Transmission line		
					iii. 132 kV Gossaigaon - Gauripur Transmission Line		
14	Pkg- M	Effective Date of Contract– 17.01.2022 Scheduled Completion Date- 16.01.2025	M/s Sterlite Power Transmission Ltd.	43.08	iv. New 132 kV Sarusajai-Kamakhya Line	61.59%	43.18%
					Augmentation of the communication backbone - Replacement of existing ground wire by OPGW (636 km)		
					i. 220kV Mariani to Samaguri Circuit -1 (LILO at Khumtai and Jakkhalabandha GIS)		
					ii. 132kV Majuli to Nalkata (North Lakhimpur)		
					iii. 132kV Dibrugarh to Lakwa (LILo at Behiating & Moran)		
					iv. 220kV Mariani to Namrup		
					v. 132kV Gossaigaon to Gauripur		
					vi. 132kV Gossaigaon to Dhaligaon		
					vii. 132kV Gauripur to Bilasipara		
					viii. 132kV Bilasipara to Kokrajhar		
					ix. 132kV Kokrajhar to Salakati		

1.3 Brief progress status of the project

Brief progress status of the project for activity during the reporting period is given in the table below.

Table 4: Brief progress status of the project

Project Component Stage	Progress Status {not yet started; on-going; completed}	Percent Completed	Remarks
Substation Component Sub-project ESIA / RP disclosed	On-going	100%	<p>ESIA/ESMP for all Substation components has been prepared and approval received and the documents disclosed in the AEGCL's website. (https://www.aegcl.co.in/aiib-project-details/)</p> <p>As per the requirements of ESMPF, abbreviated resettlement action plan for three numbers of sub-stations namely, 220/33kV Nagaon-2, 220/33kV Bihpuria and 400/220kV Rangia/Kumarikata SS has been prepared and approval received and the same documents has been uploaded in the AEGCL website. (https://www.aegcl.co.in/aiib-project-details/)</p> <p>To monitor the implementation of ESIA-ESMP for all sub-projects, site visits were conducted on a regular basis and the details are provided in Appendix 1.</p>
TL Component Sub-project ESIA / RP disclosed	ESIA – ESMP preparation - On-going	-	<p>The joint survey of land owner identification/tower locations with the concerned revenue department is completed for for Khumtai (AEGCL-New) – Sarupathar (AEGCL-Existing) 132 kV D/C Line. However, for other two Transmission Lines of Package D is under progress ESIA-ESMP for the Transmission line of Package-D will be finalized, which is presently under preparation based on the data available with the concerned EPC contractor.</p>
Contract Award	On-going	90% (approx.)	<p>The Tender document floated in AEGCL website on 10.07.2023 for Construction of 400/220/132/33kV GIS, with transformation ratio of 400/220kV, 2x500 MVA; 220/132kV, 2x160 MVA; 132/33kV, 2x50 MVA at Rangia with associated Transmission Lines, along with bay extension works at existing 132/33kV Nalbari GSS (Package G). The above-mentioned tender was cancelled and again re-tender floated on 12.12.2023</p> <p>The Tender documents floated for Construction of 400/220kV, 2X500 MVA GIS at Sonapur(New) with associated Transmission Lines, (Package H) on 22.12.2023</p>
Construction (civil works, installation of equipment etc.)	On-going	43.51% (approx.)	<p>Construction of boundary wall for the S/S, construction of GIS building, GIS Bay foundation, Security barrack, RE building, control room building, construction of transformer pad and gantry for Transmission line, foundation of LM tower, installation of transformer in augmentation package</p>

Assam Intra-State Transmission System Enhancement Project, Phase-1

Project Component Stage	Progress Status {not yet started; on-going; completed}	Percent Completed	Remarks
			and Stringing of OPGW lines, HTLS lines has been done in the reporting period.

The project site-specific Gantt chart (L2 Schedule) has been included in respective CESMP reports and a sample copy of the same has been given in **Appendix - 3**.

2.0 Compliance with Applicable Regulations/Standards

The status of Compliance with Applicable Regulations/Standards during the reporting period is given below.

2.1 ESIA - ESMP documentation status of each package as per approved ESMPF

- Table 5: ESIA - ESMP documentation status of each package as per approved ESMPF

Pkg No	Location	Name of the EPC contractor	Status of ESIA-ESMP
A	Bihpuria	M/s NECCON Power & Infra Ltd	<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). As per the discussion held during the AIIB Mission in the month of April 2022 final ESIA-ESMP was revised and sought approval for uploading in the public domain by AEGCL on 30.04.2022. Approval received from AIIB on 30.04.2022. ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land scheduling by the EPC Contractor and further approval by the Revenue department. The joint survey of landowner identification of the Transmission Line is under process in the Bihpuria substation. The joint survey of land owner identification survey of the Transmission Line in the Jakhlbandha substation is completed. A detailed assessment of the land requirement for tower footing is under process.
	Jakhlbandha		
B	Chhaygaon		<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). As per the discussion held during the AIIB Mission in the month of April, 2022, final ESIA-ESMP was revised and seek approval for uploading in the public domain by AEGCL on 30.04.2022. Approval received from AIIB on 30.04.2022. ESIA-ESMP for the Transmission line will be prepared after the completion and submission of the land scheduling by the EPC Contractor and further approval by the Revenue dept. The joint survey of landowner identification is completed.
	Nagaon 2		

Assam Intra-State Transmission System Enhancement Project, Phase-1

Pkg No	Location	Name of the EPC contractor	Status of ESIA-ESMP
			<p>Report preparation is under progress in Circle Office, Chhaygaon and is awaited from their end.</p> <ul style="list-style-type: none"> The joint survey of land owner identification of the Transmission Line is completed. Report preparation is under progress in Circle Office, Nagaon Sadar and is awaited from CO, Nagaon Sadar.
C	Burhigaon	M/s Siddhartha Engineering Ltd JV with M/s New Modern Technomech Ltd.	<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). As per the discussion held during the AIIB Mission in the month of April 2022, the final ESIA-ESMP was revised and seeks approval for uploading in the Public domain by AEGCL on 30.04.2022. Approval received from AIIB on 30.04.2022. ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land scheduling by the EPC Contractor and further approval by the Revenue dept. However, a re-survey of land owner identification was conducted jointly and completed by Lot Mandal from concerned Circle Offices, Dalgaon & Kalaigaon. The report is awaited from the concerned Circle Offices.
D	Khumtai	M/s R. S. Infraprojects Pvt. Ltd. JV with M/s Parth Electricals	<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 19.05.2022 by AEGCL. Approval received from AIIB on 27.06.2022 ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land schedule by the EPC Contractor and further approval by the Revenue dept., Check survey is under progress.
E	Agomoni	M/s Godrej & Boyce Mfg. Co. Ltd.	<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 19.05.2022. Approval received from AIIB on 27.06.2022. ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land scheduling by the EPC Contractor and further approval by the Revenue dept. However, an alternate route has been proposed by M/s Godrej & Boyce Mfg. Co Ltd as the school field is coming under the RoW. The finalization of route of 220 kV LILO at the gantry of 220 kV Agomoni GIS is under review.
	Shankardev Nagar		<ul style="list-style-type: none"> Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). As per discussion held during AIIB Mission in the month of April, 2022, final ESIA-ESMP was revised and seek approval of uploading in the Public domain by AEGCL on 30.04.2022. Approval received from AIIB on 30.04.2022. ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by Revenue dept. The joint survey of landowner identification of the Transmission Line is under process.
F	Construction of 132/33kV	M/s Sumaja Electro	<ul style="list-style-type: none"> ESIA & ESMP report for Package - F submitted to AIIB

Assam Intra-State Transmission System Enhancement Project, Phase-1

Pkg No	Location	Name of the EPC contractor	Status of ESIA-ESMP
	GIS Scheme Conversion from AIS at location (Gohpur) Package-F	Infra Pvt. Ltd.	27.10.2022 and approval from AIIB received on 31.10.2022.
G	Rangia		<ul style="list-style-type: none"> • Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). • Revised ESIA-ESMP for S/S Submitted to AIIB on 31.05.2022 by AEGCL. • Approval received from AIIB on 27.06.2022. • ESIA-ESMP for the Transmission line will be prepared after the completion and submission of the land scheduling by EPC Contractor and further approval by the Revenue dept. The bidding process is in progress for the Pkg-G. • Bid documents floated on 10.07.2023 and the same was cancelled. Re tender floated again on 12.12.2023.
	Kumarikata		
H	Sonapur		<ul style="list-style-type: none"> • Draft ESIA-ESMP for S/S Submitted to AIIB on 14.07.2021 (1st draft) and on 08.02.2022 (revised). • Revised ESIA-ESMP for S/S Submitted to AIIB on 31.05.2022. • Approval received from AIIB on 27.06.2022. • ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by Revenue dept. • Bid documents floated on 22nd December, 2023.
H1	Sonapur	M/s High-Tech Eco Green Contractors LLP	Preparation of draft ESIA-ESMP for the Construction of Approach Road for 400/220/132kV Substation at Sonapur is under progress.
I	Narengi	M/s BLUE STAR Ltd.	<ul style="list-style-type: none"> • E&S Audit Checklist Submitted to AIIB on 28.12.2021. • Approval received from AIIB on 25.03.2022.
	Kahilipura		
	Rangia		
	Kukurmara		
	Boko		
J	Nalbari	M/s Hi-Tech JV with M/s TAL Ltd.	<ul style="list-style-type: none"> • E&S Audit Checklist Submitted to AIIB on 28.12.2021. • Approval received from AIIB on 25.03.2022
	Barnagar		
	Panchgram		
	Agia		
	Gauripur		
K	Hailakandi	M/s Siddhartha Engineering Ltd	<ul style="list-style-type: none"> • E&S Audit Checklist Submitted to AIIB on 28.12.2021. • Approval received from AIIB on 25.03.2022.
	Moran		
	Dibrugarh		
	Depota		
	Golaghat		
	Rowta		
L	Samaguri	M/s APAR Industries Ltd.	<ul style="list-style-type: none"> • As this package only involves augmentation- replacement of old existing conductors by HTLS Conductors, E&S
	Sarusajai		
	BTPS (Salakati)-Dhaligaon)		

Assam Intra-State Transmission System Enhancement Project, Phase-1

Pkg No	Location	Name of the EPC contractor	Status of ESIA-ESMP
	D/C		Documents submitted on 12.01.2022.
	Kukumara-Sarusajai D/C		<ul style="list-style-type: none"> • Approval on Environmental aspects received from AIIB on 13.01.2022.
	Gossaigaon-Gauripur S/C		<ul style="list-style-type: none"> • ESIA & ESMP report for Package - L submitted to AIIB on 01.11.2022 and approval from AIIB received on 03.11.2022. • Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to the original scope of 3 nos. Transmission Line by High temperature low sag (HTLS) conductor submitted to AIIB on 15th September, 2023 and approval received from AIIB on 11th October, 2023. • Extended CESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to original scope of 3 nos. Transmission Line by High temperature low sag (HTLS) conductor submitted to AIIB on 15th December, 2023. Approval is awaited from AIIB.
M	Stringing 636 KMS of OPGW Cable	M/s Sterlite Power Transmissi on Ltd.	<ul style="list-style-type: none"> • ESIA & ESMP report submitted and approved by AIIB on 28.09.2022.
	Fibre optics on Station Equipments at 15 Substations		

SI No	Name of the report	Status of SEMR
1	E&S Semi Annual Monitoring Report	<ul style="list-style-type: none"> • 1st Semi Annual Monitoring Report for the period January to June, 2021 was submitted to AIIB on 30th September, 2021 and approval received from AIIB on 6th January, 2022
2		<ul style="list-style-type: none"> • 2nd Semi Annual Monitoring Report for the period July to December, 2021 was submitted to AIIB on 21st June, 2022 and approval received from AIIB on 9th August, 2022.
3		<ul style="list-style-type: none"> • 3rd Semi Annual Monitoring Report for the period January to June, 2022 was submitted to AIIB on 12th August, 2022 and approval received from AIIB on 17th November, 2022.
4		<ul style="list-style-type: none"> • 4th Semi Annual Monitoring Report for the period July to December, 2022 was submitted to AIIB on 10th February, 2023 and approval received from AIIB on 13.02.2023.
5		<ul style="list-style-type: none"> • 5th Semi Annual Monitoring Report for the period January to June, 2023 was submitted to AIIB on 29th July, 2023 and approval received from AIIB on 8th August, 2023
6		<ul style="list-style-type: none"> • 6th Semi Annual Monitoring Report for the period July to December, 2023 was submitted to AIIB on 22.02. 2024. Comment received from AIIB on 29th July, 2024. Incorporating the comments is under progress.

2.2 Mobilisation of E&S resources at each level i.e. PMU, PMC, and contractors**Table 6: Mobilisation of E&S resources at each level i.e. PMU, PMC, and contractors**

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
E&S staff of Project Management Unit (PMU)						
1.	Mr. DibyaJyoti Baruah	Social Specialist	M.A (Economics)	15+ years	9854339228	es.aegcl.pmu@gmail.com
2.	Mr. Sukanta Bhattacharjee	Social Specialist	Master of Social Work	10+ years	7002298355	
3.	Mr. Rahul Choudhury	Environmental Specialist	M. Sc Environmental Science	9+ years	9864476471	
4.	Mr. Bodhaditya Roy	Environmental Specialist	M. Sc Environmental Science	6+ years	9706663284	
E&S staffs of Project Management Consultant (PMC)						
1.	Mr. Khanin Baishya	Senior Social Safeguard Expert	M.A (Geography), PGD in Rural Development	23+ years	9864223185	aegcl.pmc@feedbackinfra.com
2.	Mr. V. K. Gupta	Senior Environmental Safeguard Expert	MTech in Energy & Environment Engineering	15+ years	9582592328	
3.	Mr. Bijit Borah	Environmental Investigation Officer	M.Tech (Material Science & Technology) B.E (Mechanical Engineering) 1-year Diploma in Health, Safety and Environment	6+ years	7002852186	
4.	*Recruitment under process	Environmental Investigation Officer	---	---		
5.	*Recruitment under process	Environmental Investigation Officer	---	---		
6.	Mr. Kaushik Das	Social Investigation Officer	Bachelor of Arts	13+ years	6001618055	
7.	Mr. Nitumoni Sharma	Social Investigation Officer	Bachelor of Arts	11+ years	9864262937	
8.	Mr. Rahul Gupta	Social Investigation Officer	Bachelor of Arts	4+ years	9472736118	
** Appointment is under process and will be on board soon.						

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
E&S staff of Engineering Procurement and Construction Contractors (as per CESMP)						
Package A (Jakhlabandha & Bihpuria)						
1.	Mr. Basanta Das	EHS Officer	Diploma in Industrial Safety Engineering, Industrial Training at Fire Service Station	7 years	8638227648	neccon@necconpower.com
2.	Mr. Mintu Das	EHS Officer	One year Diploma in Fire Safety	3 years	6001421077	
3.	Mr. Ane Basant Dutta	Labour Officer	Bachelor of Arts, Diploma in Safety & Health	3 years	9706628901	
Package B (Chhaygaon & Nagaon 2)						
1.	Mr. Uday Pratap Singh	EHS Officer	M. Sc, Zoology (Diploma in Industrial Occupational Health Safety Environment and Pollution)	3 + years	9997188019	site.chaygaon@gmail.com site.nagaon@gmail.com
2.	Md. Haddish	EHS Officer 1	Bachelor of Arts, 1 year Diploma in Fire & Safety, Certification of IOSH & OSHA	11 + years	9340748194	
3.	**Under Recruitment	Community consultation Officer			-	
4.	**Under Recruitment	Community Consultation Officer	-	-		
Package C (Burhigaon)						
1.	Mr. Pankaj Cutia	EHS Officer	Diploma in Fire & Safety	2 Years	9957849923	dn.bhattacharya@selindia.net sk.bhanja@selindia.net
2.	Mr. Rajiv Lochan Kalita	Environmental and Social Officer	B. Tech	37 years	9437070382	
3.	**Undere Recruitment	Community Consultation Officer	-	-		
Package D (Khumtai)						
1.	Md Rafi Ahmed	EHS Officer	P.G. Diploma in Industrial Fire & Construction Safety	4+ years	8340662457	

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
			Management			
2.	**Under Recruitment	Community Consultation Officer	-	-	-	
Package E (Shankardevnagar & Agomani)						
1.	Mr. Imran Ansari	EHS Officer	Diploma in Mechanical Engineering, Diploma in Industrial Safety management	14 years	7979700198	sagnikb@godrej.com dgarai@godrej.com bhaktas@godrej.com
2.	Mr. Ranjan Kumar Choudhary	Labour Officer	B.E. - Electrical	13+ years	9713089110	
3.	Md. Prince Ansari	EHS Officer	M. Sc. In Physics, Diploma in Industrial Safety management	8 years	8072101664	
4	Mr. Dharmveer Kumar Sharma	E&S Officer	BSc in Chemistry Diploma in Industrial Safety Management Diploma in Fire Safety Management and Diploma in Environmental Engineering Management	16+ years	6376219569	
Package F (Gohpur)						
1.	Ankush Kumar	EHS Officer	B. Tech in Electrical and Electronics Engineering (6 Months EHS training at NTPC, Dadri)	10 Years	9129675727	sumajaprojects@gmail.com singharun0031@gmail.com
2.	**Under Recruitment	Community Consultation Officer	-	-		
** Communicated to all EPC contractors several time through letter and e-mail for deployment of E&S staffs. However, appointment of concerned E&S staffs of EPC contractors has not yet deployed during the reporting period.						
Package G: Bidding under process						
Package H: Bidding under process						
Package I						
1.	Mr. Bibhas Kumar Sen	EHS - Regional	B Tech + MBA in HSE	10 Years	7044066770	

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
		Manager				
2.	Mr. Ritanandan Bairi	EHS Engineer	Diploma in Civil and Diploma in Industrial Safety and NEBOSH certified	10 Years	7980680278	rakeshmanna@bluestarindia.com bibhaskumarsen@bluestarindia.com
Package J						
1.	Mr. Debajit Goswami	EHS officer	Bachelor of Engineering (Chemical)	20 years	9864031458	kaushikpatni0307@gmail.com
2.	Mr. Pankaj Boruah	EHS Supervisor	Fire and safety diploma	2 years	7086885861	
3.	Ms. Devyani Sarma	Social officer	Master of Social Work	3 years	8486993047	
Package K						
1.	Imran Alam	Safety officer	Diploma from NIBOSH in safety	12+ years	9279396999	dn.bhattacharya@selindia.net sk.bhanja@selindia.net
2.	Subrat Panigrahi	Social officer	Master in Social Science	20+ years	9437015019	
Package L						
1.	Saurabh Kumar Singh	Environment, Health and safety officer	Diploma & Graduate	6 Years	8882201522	smukatinath.kumar@apar.com, shiv.yadav@apar.com
2.	Under Recruitment	Social Officer	-	-	-	
3.	Sanad Ghosh	Safety Supervisor	Diploma	4 Years	6371237665	
4.	Habibur Rahman	Safety Supervisor	Diploma	4 Years	9341694992	
5	Md Shahbaz Alam	EHS Officer	Graduation in Commerce Diploma in Fire and Safety management	1 year	9142478009	
Package M						
1.	Satyam Raj	EHSO	Graduate, one-year Diploma in EHS and IOSH	4 Years	9304417172	subhajit.bera@sterlite.com, parikshit.roy@sterlite.com
2.	Md. Ikramul Hoque	Safety Officer	Graduation in Arts Diploma in Fire and Safety Management	4+ years	9731529749	
3.	Mr. Dipak Kumar	Safety Officer	BSc Diploma in Fire and	4+ years	6005623236	

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
			Safety Management			
4.	Md. Fatik Ahmed	Safety Officer	BSc, Diploma in Industrial Safety Management	11+ years	8651327704	

2.3 Compliance with Applicable Regulations/Standards

Table 7: Compliance with Applicable Regulations/Standards

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
1.	The Environmental (Protection) Act. 1986, and the Environmental (Protection) Rules, 1987-2002 (Various Amendments)	Consent for utilization of water from Central Ground Water Board (CGWB), if any, to use groundwater for the sub-project. Consent to Establish (CTE) and Consent to Operate (CTO) for construction camps, Crusher, Batching Plant (if any) Hot Mix Plant (HMP), if any for implementation of the Project	Being Complied	The ground water of Existing facility of AEGCL/APDCL (AEGCL sister concern) is being used for construction purposes. Permission for additional water sources will be obtained by the EPC contractor. Construction camps have been established within existing AEGCL premises. CTE/CTO of Crusher is being submitted by EPC contractors (for sample Refer Appendix – 4 & 5) Mixture machine is being used for concreting. Relevant documents are being submitted by EPC contractors.
2.	The EIA Notification, 2006 and subsequent Amendments	Project-associated activities like quarry operation (if any) for the project will require prior Environmental Clearance. (Note: The construction of the substation and Transmission Line (T/L) of the project does not come under the Purview of EIA Notification 2006 and its	Being Complied	Environmental Clearance related to quarry operation is being submitted by EPC contractors (sample for Reference is Appendix – 6).

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
		subsequent Amendments).		
3.	Wildlife Protection Act, 1972	Wildlife Clearance	N/A for S/S locations. For T/L, assessment will be done in due course of time.	If any T/L is located close to any protected area, the assessment of the same will be conducted during preparation of ESIA-ESMP of particular package of the T/L.
4.	Forest(Conservation) Act, 1980 and subsequent Amendments	Forest Clearance	N/A for S/S locations. Approx. 3.20 km length (14.28 Ha) of T/L of package H is passing through the forest land (Aprikola RF), for which the Forest Clearance process is under progress. For other T/L, assessment will be done in due course of time.	Forest clearance for T/L of package H (Sonapur) is under process. Meanwhile, the registration in the MOEFC portal is completed for online submission and the online application for forest clearance has been submitted vide proposal no. FP/AS/TRANS/411353/2022 on 19 th Dec'22. As per the new guidelines of PARIVESH 2.0 the 1 st Project Screening Committee (PSC) meeting was held by Nodal Officer (FC Act), PCCF on 25.01.2023 and some queries were received. Reply to these queries already submitted to PCCF. The 2 nd PSC meeting was held by Nodal Officer (FC Act), PCCF on 2 nd June, 2023 and the committee had apprised that as there are no further queries/issues in the said proposal, hence forwarded to the DFO level (Part II) for further processing. Form-A Part-IV of the proposal will be recommended and approved by the State Secretary, Dept. of Environment and Forest, GoA after careful examination of the proposal. The proposal is under process at the State Secretary level. Appendix 12 *After approval from the State Secretary, Dept. of Environment and Forest, GoA, the proposal will be forwarded to the Integrated Regional Office,

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
				MoEF&CC, Guwahati office (Form A Part V) for recommendations and In-Principle approval. The Regional Empowered Committee (REC) meeting was held at RO, MoEF&CC, Shillong. Queries (8nos) sought by IRO on 14.11.2023 to the State Govt followed by NO, FC Act, Aranya Bhawan. All the replies by User agency (AEGCL) and NO cum PCCF have submitted on 30.11.2023 to the State Govt. The report has been forwarded from State Govt to IRO, Guwahati, MoEF&CC on 08.12.2023. RO, MoEF&CC, Shillong organised REC meeting on 19.12.2023 for the issuance of In-Principal Approval.
5.	Ancient Monuments and Archaeological Sites & Remains Act 1958	Clearance from the Archaeological department	N/A for S/S locations. For T/L, assessment will be done in due course of time.	N/A for S/S locations. For T/L if any Archaeological site identified during assessment for ESIA – ESMP preparation, clearance from Archaeological department will be obtained as per requirement.
6.	The Water (Prevention and Control of Pollution) Act, 1974	Permission from CGWB for utilization of water from the ground, if any, for the sub-project. No Objection Certificate (NOC) for release of sewage from construction camps etc. from State Pollution Control Board (SPCB).	Being Complied.	The ground water of the Existing facility of AEGCL/APDCL (AEGCL sister concern) is being used for construction. Permission for additional water sources will be obtained by the EPC contractor. Construction camps have been established within existing AEGCL premises. NOC for release of sewage from construction camps etc. from the State Pollution Control Board (SPCB). Documentation for the same is under process and will be shared in next reporting period.
7.	The Air (Prevention and Control of Pollution)	Consent to Establish (CTE) and Consent to	Being Complied	CTE/CTO of Crusher is being submitted by EPC contractors (Refer Appendix – 4 & 5)

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
	Act, 1981	Operate (CTO) for Crusher, Batching Plant (if any), HMP (if any) for implementation of the project Ambient Air Quality Standards (AAQS) to be followed and records are to be maintained.		mixture machine is being used for concreting. Relevant documents are being submitted by EPC contractors.
8.	Noise Pollution and (Regulation and Control) Act, 1990 and subsequent Amendments	Ambient Noise Level to be monitored & followed and record to be maintained.	Being Complied	Fitness certificate/ PUC certificate of vehicles, equipment, machinery are being submitted by EPC contractors (sample Annexed in Appendix – 9)
9.	Wetlands (Conservation and Management) Rules, 2017	Clearance for Wetland	N/A for S/S locations. For T/L, assessment will be done in due course of time.	Clearance for Wetland may trigger if any T/L falls in notified Wetland and the same will be obtained as per requirement.
10.	Assam (Control of Felling & Removal of trees from Non- Forest Land) Rules, 2002	Felling & Removal of trees from Non- Forest Land	Being Complied	Permissions are being obtained for S/S (sample given as Appendix - 8). For T/L Felling& removal of trees from non-forest land will be obtained before construction where ever required.
11.	The Motor Vehicle Act. 1988 and subsequent Amendments	Pollution Under Control (PUC) certificate from State Transport Department and SPCB for Construction Vehicles, Machineries and Equipments.	Being Complied	Fitness certificate/ PUC certificate of vehicles, equipment, and machinery are being submitted by EPC contractors (sample Appendix - 9).
12.	Solid Waste Management Rules, 2016	Generation of Solid Waste during project implementation.	Being Complied	At present, EPC contractors dispose of solid waste as per the suggestion of the Local Authority.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
13	Construction and Demolition Waste Management Rules, 2016	Generation of Construction and Demolition Waste during project implementation.	Being Complied	Very less amount of C&D waste was generated in package A (Jakhlabandha) C (Burhigaon) and E (Shankardevnagar). EPC contractors used the C&D waste for access road construction.
14	Plastic Waste Management Rules, 2016	Generation of Plastic Waste during project implementation.	Being Complied	At present, EPC contractors dispose of solid waste as per the suggestion of the Local Authority.
15	Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016	Generation of Hazardous and Other Wastes as per (Management & Transboundary Movement) Rules, 2016, if any during project implementation.	N/A at the current stage of the project.	EPC contractor will submit the compliance of the same (if any) as per requirement.
16	E-Waste Management Rules, 2016	Generation of E-Waste during construction	N/A at the current stage of the project.	EPC contractor will submit the compliance of the same (if any) as per requirement.
17	Batteries (Management and Handling) Rules, 2001	Generation of battery waste during project implementation	N/A at the current stage of the project.	Batteries wastes will be disposed of as per requirement in due course.
18	The Building & Other Construction Workers (BOCW) (Regulation of Employment & Conditions of Service) Act, 1996	Regulation of Employment & Conditions of Service during project implementation	Being Complied	EPC contractors submitted relevant documents along with CESMP reports.
19	The Right to Fair Compensation and Transparency in Land Acquisition (LA), Rehabilitation and Resettlement Act, 2013 both incorporated by Gol	LA Regulation and Rehabilitation and Resettlement (R&R) Act, 2013 has been followed at the time of the Direct Purchase of Land based on mutual consent	In major areas where the substations are located, the land belongs to AEGCL or is transferred from APDCL or other Govt.	The land purchase/ acquisition process is completed.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
	and GoA.	between the Landowner and the requiring Body PMU (AEGCL).	(Kash land. The land that is purchased by AEGCL has followed the Rules and Regulations as per the Act.	
20	The Scheduled Tribes (STs) and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006	Consent from the STs and Other Traditional Forest Dwellers, if any, and impact observed on them.	N/A for S/S locations. Approx. 3.20 km length (14.28 Ha) of T/L of package H is passing through the forest land (Aprikola RF), for which FRA will be done as per requirement. For other T/L, assessment will be done in due course of time.	Requirement of consent may trigger if any T/L involved any impact on the STs and Other Traditional Forest Dwellers as per (Recognition of Forest Rights) Act, 2006 and the same will be obtained as per requirement.
21	Electricity Act, 2003	The objectives of the Act are to consolidate the laws relating to the generation, transmission, distribution, trading and use of electricity and generally for taking measures conducive to the development of the electricity industry, promoting competition	Being complied	Location, design and related documents including ESIA are being structured as per the requirement of the Electricity Act, 2003.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
		therein, protecting the interest of consumers and supply of electricity to all.		
22	Ministry of Power (MoP) guidelines dated 15 th October 2015 for payment of compensation toward Temporary damages regarding ROW.	During the Power Ministry conference held on April 9 -10, 2015 at Guwahati it was decided to constitute a committee. The recommendations laid down by the committee are formulated in the form of the following guidelines for determining the compensation towards the damages as stipulated in section 67 and 68 of the Electricity Act, 2003 read with section 10 and 16 of the Indian Telegraph Act, 1885, Compensation @ 85% of Land Value as determined by the District Magistrate based on Circle rate/ Guideline Value and Stamp Act rates for Tower base area (between four legs).	NA at the current stage.	The Process of giving compensation to the PAFs starts after the finalization of the land owner identification reports of the respective Transmission Line by the concerned Revenue Circle. Moreover, the area of the land that needs to be acquired should be submitted to the concerned Revenue Circles for the preparation of the necessary compensation proposal.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (N/A) at the current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
		<p>Land compensation in the width of ROW is subject to a maximum of 15% of Land Value as determined based on Circle rate, Guideline value and Stamp Act, rates.</p> <p>In case of loss of trees and crops a 60-day advance notice is to be issued to the legal Cultivator for the standing crops prior to damage. Compensation for the cultivator for the crop based on the market rate fixed by the Forest / Horticulture Department and 8 years' income in case of fruit-bearing tree and the timber wood tree to be compensated at the rate of the market price.</p>		
23	The Antiquities and Art Treasures Act, of 1972 and the Indian Treasure Trove Act, of 1878, Amended in 1949.	If a sudden encounter with anything valuable at any stage of the project cycle.	Being Complied	EPC contractors comply with the same as per requirement.

3.0 Compliance with Environmental and Social Covenants from the AIIB Loan Agreement

Table 8: Compliance with Environmental and Social Covenants from the AIIB Loan Agreement

Schedule #, Para. #	Covenant	Compliance Status	Remarks
Schedule 2, Section I, C, 2	Ensure ongoing Project compliance with ESMPF and Resettlement Policy Framework (RPF)	Being Complied	<p>There are 7 packages {Pacakage A, B, C, D, E, G, H for 10 new substations in 400kV, 220kV and 132kV voltage level along with the associated (332.945 km) transmission lines (TL)},</p> <p>Conversion of one no. of existing AEGCL S/S (132/33kV Gohpur) from AIS to GIS (Pachage F).</p> <p>Augmentation of 186 km of transmission line (restringing of One Single Circuit (S/C) line and two Double Circuit (D/C) line) by High Temperature Low Sag (HTLS) conductors (Package L).</p> <p>Replacement of ground wire to Optical Power Ground Wire (OPGW) for 636 km of transmission lines and substation equipment at substations (Pacakage M).</p> <p>ESIA-ESMP for substation of above 9 packages and Package-M has been approved by AIIB. ARAP for 3 substation i.e. Bihpuria (Package-A), Nagaon (Package-B) and Rangia/Kumarikata (Package-G) has been approved by AIIB.</p> <p>There are 3 Augmentation packages {18 existing substations (replacement of old transformers with new transformers)}, for wihich E&S Audit Checklist has been approved by AIIB.</p> <p>Preparation of draft ESIA-ESMP for the Construction of Approach Road for 400/220/132kV Substation at Sonapur is under progress.</p>

4.0 Compliance with the Civil Work Contract Agreement

The following activities with regard to the Contract have been done during the reporting period.

- i. The Tender documents floated in AEGCL website on 10.07.2023 for Construction of 400/220/132/33kV GIS, with transformation ratio of 400/220kV, 2x500 MVA; 220/132kV, 2x160 MVA; 132/33kV, 2x50 MVA at Rangia with associated Transmission Lines, along with bay extension works at existing 132/33kV Nalbari

Assam Intra-State Transmission System Enhancement Project, Phase-1

GSS (Package G). The above-mentioned tender was cancelled and further re-tender documents floated on 12.12.2023 which is under process.

The Tender documents floated on AEGCL website on 22.12.2023 for Construction of 400/220kV, 2X500 MVA GIS at Sonapur(New) with associated Transmission Lines, (Package H).

- ii. Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to the original scope of 3 nos. Transmission Line by High temperature low sag (HTLS) conductor submitted to AIIB on 15th September, 2023 and approval received from AIIB on 11th October, 2023.
- iii. Extended CESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to the original scope of 3 nos. Transmission Line by High temperature low sag (HTLS) conductor submitted to AIIB on 15th December, 2023. Approval is awaited from AIIB.
- iv. Compliance of CESMP for all packages is being done for the respective civil works.

5.0 Compliance with Environmental and Social Management Plan

Key Findings

- Copies of permissions/consents related to the updated Erection All Risk Policy, Workmen's Compensation Policy, Labour License etc. are being submitted by EPC contractors.
- Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya Transmission Line in addition to the original scope of 3 nos. Transmission Line by High-Temperature low sag (HTLS) conductor submitted to AIIB on 15th September 2023 and approval received from AIIB on 11th October 2023.
- Trees falling permission for Gohpur substation obtained from the DEPARTMENT OF ENVIRONMENT & FORESTS OFFICE OF THE DIVISIONAL FOREST OFFICER SONITPUR EAST DIVISION, BISWANATH CHARIALI on 11th of July, 2023 and execute on 05th of August, 2023.
- Forest clearance for T/L of package H (Sonapur) is under process. Meanwhile, the registration in the MOEFC portal is completed for online submission and the online application for forest clearance has been submitted vide proposal no. FP/AS/TRANS/411353/2022 on 19th Dec'22. As per the new guidelines of PARIVESH 2.0 the 1st Project Screening Committee (PSC) meeting was held by Nodal Officer (FC Act), PCCF on 25.01.2023 and some queries were received. Reply to these queries already submitted to PCCF. The 2nd PSC meeting was held by Nodal Officer (FC Act), PCCF on 2nd June 2023 and the committee had apprised that as there are no further quarries/issues in the said proposal, hence forwarded to the DFO level (Part II) for further processing. Form-A Part-IV of the proposal will be recommended and approved by the State Secretary, Dept. of Environment and Forest, GoA after careful examination of the proposal. The proposal is under process at the State Secretary level.

*After approval from the State Secretary, Dept. of Environment and Forest, GoA, the proposal will be forwarded to the Integrated Regional Office, MoEF&CC, Guwahati office (Form A Part V) for recommendations and In-Principle approval.

Assam Intra-State Transmission System Enhancement Project, Phase-1

The Regional Empowered Committee (REC) meeting was held at RO, MoEF&CC, Shillong. Queries (8nos) sought by IRO on 14.11.2023 to the State Govt followed by NO, FC Act, Aranya Bhawan.

All the replies by User agency (AEGCL) and NO cum PCCF have submitted on 30.11.2023 to the State Govt.

Report has been forwarded from State Govt to IRO, Guwahati, MoEF&CC on 08.12.2023. RO, MoEF&CC, Shillong organised REC meeting on 19.12.2023 for the issuance of In-Principal Approval.

- For the RoW permission of the route passing through different villages for the construction of new LILO 400KV Silchar-Byrnihat T/L, Joint Verification in a few locations/ villages has been conducted by the Lat Mandals of Sonapur Revenue Circle to ascertain the status of the land.
- Project signboards are being displayed, PPE kits are being provided, fire extinguishers are installed and labour facility is being provided by EPC contractors for all project sites.
- Physical joint verification survey of land owner identification/ tower location of 132 kV DC Khumtai-Sarupathar TL and 132 kV LILO of Jorhat West-Bokakhat at Khumtai TL under Package-D was conducted during the reporting period. However, the survey reports are awaited from all the concerned Circle Offices.
- The detailed joint survey of the 132 kV Rowta - Sipajhar (AEGCL-Existing) S/C Line at Burhigaon was conducted, adhering to the approved 132kV tower spotting data. Subsequently, the tower schedule and profile were prepared accordingly and submitted to AEGCL for approval. Additionally, the enumeration and survey of trees and Zirat were completed. Once the tower spotting data is approved, a final check survey will be conducted. Furthermore, joint surveys for landowner identification will be conducted in selected locations with the respective Circle Offices, and the details of land scheduling will be finalised. The Landowner identification report received from Revenue Circle, Chhaygaon on 1st July 2023 for LILO of 220kV Azara – Boko line. However, the final calculation of the tower base area of Project affected persons is pending from the Circle Office, as the base area of the tower has not yet finalized and submitted to the Circle Office.
- All EPC contractors are requested to submit all the relevant permissions/consents related to borrow earth for filling works from the competent authority (Forest/ Revenue Department). The permission for borrow earth has been submitted by respective EPC of Jakhalabandha S/s under package – A, Chhaygaon S/s under package - B and Khumtai S/s under package - D.
- Public Grievance Redressal boxes are being installed at all the substation sites for receiving written grievances from public.
- Medical tie up with nearby hospital has been done by the respective EPC contractors except for package - D.
- Post Monsoon Environment Quality Monitoring has been done by the respective EPC contractors of Package- A, B, C, D and E. However till the reporting period EPC contractor of package-F has not done the EQM test.

The following are the corrective actions to be taken:

- PIU/PMC needs to follow up with the District Authority to obtain permission of ROW for LILO of 220kV Samaguri (AEGCL- Existing) –Sarusajai D/C line for Nagaon 2 substation.

Assam Intra-State Transmission System Enhancement Project, Phase-1

- Joint verification of land owner identification survey of Transmission Lines with the concerned revenue department needs to expedite to finalize the land scheduling for Bihpuria TL, Khumtai TLs Sankardevnagar TL, and Agomoni TL.
- EPC contractors to finalize the check survey as per the approved tower spotting data with utmost urgency and expedite the process and submit the comprehensive report.
- All EPC contractors to deploy the designated personnel, including the Community Consultation Officer, with immediate effect for Transmission Line works.
- all respective PIU officials of AEGCL to communicate to all stockholders/departments for providing various government rates for compensation of crop damage, plantation damage, tree cutting, trimming, utilities, etc. that will be damaged during construction works.
- PIU to communicate with the concerned departments for obtaining statutory clearance if any is required, such as Railway crossing, NHAI, PTTC Power Grid etc.
- PIU/PMC is required to ensure work related signboard is to be displayed in all project sites, sufficient numbers of PPE kits need to be provided in all project sites and proper labour facilities is also to be provided by the EPC contractors in their respective packages.
- PIU/PMC requires to ensure the filling up of necessary work-related checklists regularly by EPC contractors in all the ongoing working sites.
- PMU/PIU/PMC is required to ensure that all EPC contractors will comply with proper housekeeping, proper drainage facilities/waste management facilities at all substation sites.
- PMC intends to impart more onsite training on EHS&S – to AEGCL and EPC contractor team members.
- PMC is required to conduct weekly project site visits to monitor Safety and Quality through Key Experts apart from regular monitoring by E&S support staff.
- PMC is required to ensure the Monthly External Safety Audits at each project site by PMC's Technical experts.
- PMC requires ensuring the Weekly / Monthly review meetings with EPCs in coordination with AEGCL to monitor project activities, status and resolve issues.





EPC contractors are to comply with the following on a timely basis:

- Submit all updated legal/regulatory/statutory documents of relevant work within the stipulated time frame.
- Comply with the Environmental and Social Management Plan as per CESMP and ESMPF till completion of the project.
- Conduct Environmental monitoring as per CESMP and ESMPF till completion of the project.





EPC contractors should resolve/settle minor issues that arise during the execution of the project. Based on the facts, it has been noted that compliance for most of the E&S monitoring is being done for the project. However, more efforts will be ensured for uninterrupted workflow at the site and timely completion of the project.

Assam Intra-State Transmission System Enhancement Project, Phase-1





Following are the key findings noted during the reporting period

Pkg	Location	Name of Contractor	Status of ESMP / CESMP implementation	Non-Compliance	Corrective Action Proposed	Photographs	Compliance against Corrective action Proposed
A	Jakhlabandha S/S	M/s NECCON Power & Infra Ltd	Substantially complied	Some workers are partially equipped with PPEs in the month of June,2023	Provide adequate PPE to the labours immediately		 Complied in the month of July as instructed in the proposed corrective action
				Barricading not properly done in the excavated area in the month of August,2023	Instructed EPC contractor to Barricade excavated area immediately		 Complied within 2 days as instructed in the proposed corrective action.






Assam Intra-State Transmission System Enhancement Project, Phase-1

				Housekeeping not done properly in front of office room in the month of August,2023	Cleanliness around the office room needs to be done & Moreover dustbin needs to be place in front of office room.		 Complied within one week as instructed in the proposed corrective action.
				Gas cylinder is empty in the labour camp kitchen in the month of September, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.		Complied within one day instructed in the proposed corrective action
				Electrical cables are lying in the submerged area in the month of October, 2023.	Instructed EPC contractor to placed Electric cables are over head around the substation area.		Complied within one day instructed in the proposed corrective action




Assam Intra-State Transmission System Enhancement Project, Phase-1

				Dustbin not place in front of labour camp area	Dustbin need to be placed in front of labour camp for wet & dry waste.		
	Bihpuria S/ S			Site work stopped due to heavy rainfall and all surrounding area submerged under water.			Complied within one week instructed in the proposed corrective action
							




Assam Intra-State Transmission System Enhancement Project, Phase-1

				Some workers are partially equipped with PPEs in the month of August, 2023.	Instructed EPC to provide adequate PPE to labours immediately		 Complied within ten days instructed in the proposed corrective action
				Excavated area are not barricaded.	Need to barricade the excavated area as soon as possible.		Complied within one day instructed in the proposed corrective action
B	Nagaon S/S	RS infra project Pvt.Ltd	Substantially complied	No project details display board at the site in the month of July, 2023.	Immediately arrange the project details display board and placed in front of the substation area.		 Complied in the month of August, 2023, instructed in the proposed corrective action
				Barricading not done around the boundary wall excavated area of substation in the month of August, 2023.	Instructed EPC contractor to proper barricade around the excavated area immediately.		 Complied within one day instructed in

Assam Intra-State Transmission System Enhancement Project, Phase-1

				Some workers are partially equipped with PPEs in the month of August, 2023.	Instructed EPC contractor to provide adequate PPEs to workers immediately.		the proposed corrective action
				Sufficient electricals fan and bulb not available at the labour camp in the month of August, 2023.	Instructed EPC contractor to provide sufficient electricals fan and bulb at the labour camp immediately.		Complied in the month of september,2023 instructed in the proposed corrective action
				Gas cylinder is empty in the labour camp kitchen in the month of September, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.		Complied wihin one two days instructed in the proposed corrective action




Assam Intra-State Transmission System Enhancement Project, Phase-1

				Dustbin not provided in the labour camp in the month of October, 2023	Dustbin needs to be provided in the labour camp as soon as possible.		Complied within two days instructed in the proposed corrective action
				Approach road of the substation damaged in the month of November, 2023.	Instructed EPC contractor to repair the approach road immediately		Complied within four days instructed in the proposed corrective action
				Not deployed the Community Consultation Officer for transmission line in the month of November, 2023	Instructed EPC contractor to deploy the Community Consultation Officer immediately		Till the reporting period not yet deployed by the EPC Contractor.
	Chhaygaon S/S			Some labours are working with partially equipped PPEs in the month of July, 2023.	Instructed EPC to provide adequate PPEs to workers immediately.		Complied within one day instructed in the proposed corrective action





Assam Intra-State Transmission System Enhancement Project, Phase-1

				Gas cylinder is empty in the labour camp kitchen in the month of August, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.			Complied within two days instructed in the proposed corrective action
				Dustbin not provided at the labour camp in the month of August, 2023.	Dustbin needs to be provided in the labour camp as soon as possible.			Complied within two days instructed in the proposed corrective action
				Housekeeping not done around the S/S area in the month of September, 2023.	Proper housekeeping needs to be done around the substation area			Complied within two days instructed in the proposed corrective action.
				Plug top missing in the electrical distribution board in the month of September, 2023.	Electrical safety needs to be maintained and plug top to be provided.			Complied within a day instructed in the proposed corrective action.




Assam Intra-State Transmission System Enhancement Project, Phase-1

			Some excavated area of substation is not barricaded by caution tape in the month of October, 2023..	Barricading need to done around the excavated area to prevent any accidental fall.			Complied within a day instructed in the proposed corrective action.
			Drinking water filter is unhygienic at labour camp in the month of November, 2023.	New Water filter need to provide at labour camp promptly.			Complied within a day instructed in the proposed corrective action.
			Toilet doors are broken at site in the month of November, 2023.	Toilet doors should be renovated as soon as possible.			Complied within one day instructed in the proposed corrective action.
			Not deployed the Community Consultation Officer for transmission line in the month of	Instructed EPC contractor to deploy the Community Consultation Officer immediately			Till the reporting period not yet deployed by the EPC Contractor.




Assam Intra-State Transmission System Enhancement Project, Phase-1

				November, 2023...			
C	Burhigaon S/S	Siddharth Engineering Pvt. Ltd	Substantially complied	Some labours are partially equipped with PPE's (Some labours are not wearing shoes) in the month of July, 2023..	Instructed EPC to provide adequate PPE's to the workers immediately.		 Complied within one week instructed in the proposed corrective action.
				Sufficient safety related posters not displayed at site in the month of August, 2023. .	More safety related poster need to display at site.		Complied within two weeks instructed in the proposed corrective action.
				Housekeeping not done around the substation area in the month of September, 2023..	Housekeeping need to be done around the substation area		Complied within two days instructed in the proposed corrective action.







Assam Intra-State Transmission System Enhancement Project, Phase-1

				Barricading one the road side area of substation not done in the month of September, 2023.	Need to barricade road side area of the substation immediately.		Complied within two days instructed in the proposed corrective action.
				Gas cylinder is empty in the labour camp kitchen in the month of September, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.		Complied within one day instructed in the proposed corrective action.
				Labour camp is not shifted to higher ground in the month of October, 2023.	Immediately shift the labour camp to higher ground to avoid water seepage.		Complied within two days instructed in the proposed corrective action.
				Labour I-card not provided to few new labours at site in the month of October, 2023.	I-card to all labours should be provided to each and every worker at the earliest.		Complied within one week instructed in the proposed corrective action.




Assam Intra-State Transmission System Enhancement Project, Phase-1

				Environmental quality monitoring tests for post monsoon need to done in the month of November, 2023.	Instructed EPC contractor to conduct the EQM test before 31 st December, 2023.		Complied in the month of December, 2023 instructed in the proposed corrective action.
				Deployment of Community Consultation Officer for Transmission Line not done in the month of November, 2023.	Immediately instructed EPC contractor to deploy the Community Consultation Officer		Not ye deployed by the EPC Contractor
D	Khumtai S/S	Rs. Infra Project Pvt. LTD	Substantially complied	Concrete mixture machine damaged. Labours are working unsafe condition in the month of July, 2023.	Need to repair the mixture machine as soon as possible.		Complied wihin three days instructed in the proposed corrective action.
				Excavated pits are not properly barricaded by caution tape at the construction site in the month of July, 2023.	Excavated pits need to be barricaded properly to avoid any accidental fall.	 	Complied wihin a day instructed in the proposed corrective action.


Assam Intra-State Transmission System Enhancement Project, Phase-1

				Not displayed sufficient EHS related warning signage board and emergency contract list at site in the month of August, 2023.	Need to display warning sign and emergency contract list at site immediately			Complied within two days instructed in the proposed corrective action.
				Temporary toilet facilities available for the labours at site in the month of August, 2023.	Need to arrange proper toilet facility for labours at site as soon as possible.			Complied in the month of september, 2023 instructed in the proposed corrective action.
				Illumination facility not available at site in the month of August, 2023.	Arrange illumination facility at site immediately.			Complied within one week instructed in the proposed corrective action.
				Drinking water facility not available at site in the month of September, 2023	Need to provide water filter for drinking purpose as soon as possible.			Complied within one week instructed in the proposed corrective action.





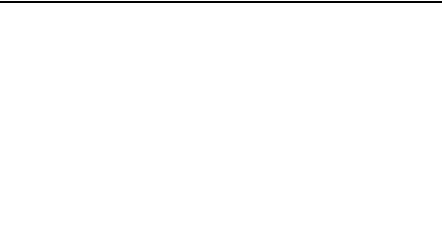

Assam Intra-State Transmission System Enhancement Project, Phase-1

				Public Grievance box not placed at site in the month of September, 2023.	Need to install public grievance box at site as soon as possible.			Complied within one week instructed in the proposed corrective action.
				Adequate PPE's not provided to labours working at the site in the month of October 2023.	Provide necessary PPE's to Labours and contractor staffs immediately.			Complied within two weeks instructed in the proposed corrective action.
				Medical Tie-Up not done in the month of October, 2023.	Medical tie-up need to be done with nearby hospital			Medical Tie up not done till the reporting period.
				TBT not conducted regularly at site in the month of October, 2023.	Need to conduct TBT regularly before commencement of site activities.			Complied within a day instructed in the proposed corrective action.
				Induction training not provided to newly joined workers in the month of	Need to conduct induction training to all the newly joined labours.			Complied within a day instructed in the proposed corrective action.

Assam Intra-State Transmission System Enhancement Project, Phase-1

				November, 2023.			
				Medical Health check-up not done in the month of November, 2023	Medical health check-up need to be done for all workers immediately.		Health check-up not done for the workers.
				Steel yard area not barricading around the substation area in the month of December, 2023.	Steel yard area need to be barricading immediately.		Complied within two days instructed in the proposed corrective action.
				E&S registers and are not updated properly in the month of December, 2023.	E&S registers and checklists need to be updated immediately.		Complied within two days instructed in the proposed corrective action.
				Gas cylinder is empty in the labour camp kitchen in the month of December, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.		Complied within two days instructed in the proposed corrective action.

Assam Intra-State Transmission System Enhancement Project, Phase-1







E	Agomani S/S	Godrej & Boyce Mfg. Co. Ltd	Substantially complied	Housekeeping is not done around the substation area in the month of July, 2023.	Proper housekeeping needs to be done around the substation area.		
				Poor housekeeping around the labour camp in the month of July, 2023.	Proper housekeeping needs to be done around the labour camp.		
				Gas cylinder is empty in the labour camp kitchen in the month of August, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.		

Complied within two days instructed in the proposed corrective action




Complied within two days instructed in the proposed corrective action

Complied within a day instructed in the proposed corrective action




Assam Intra-State Transmission System Enhancement Project, Phase-1

				Barricading not done around the steel yard area in the month of August, 2023.	Proper barricading needs to be done around the steel yard.		 Complied within a days instructed in the proposed corrective action.
				Unwanted bushes are growing around the site office area in the month of September, 2023.	Bushes need to be trim down around the site office area.		 Complied within three days instructed in the proposed corrective action
				Toilet door of the labour camp is broken in the month of October, 2023.	Need to fix the toilet door as soon as possible.		 Complied within four days instructed in the proposed corrective action

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sankardevnagar S/S			ID card yet to be issued to the new labours gang in the month of December, 2023.	ID card needs to issue to all new labours immediately.		 Complied within one week instructed in the proposed corrective action
			Gas cylinder is empty in the labour camp kitchen in the month of August, 2023.	Immediately refill the LPG cylinder of the labour camp kitchen.	 Complied within one day instructed in the proposed corrective action	
			Excavated pits are not properly barricaded by caution tape at the construction site in the month of September, 2023..	Excavated pits need to be barricaded properly to avoid any accidental fall.	 Complied within one day instructed in the proposed corrective action	

Assam Intra-State Transmission System Enhancement Project, Phase-1

				Two workers are working without safety shoes at the site in the month of September, 2023..	Provide necessary PPE's to the labours and contractor staffs immediately.		
				Housekeeping is not done in the labour camp in the month of November, 2023.	Housekeeping need to be done in the labour camp.		Complied within one week instructed in the proposed corrective action
							Complied within two days instructed in the proposed corrective action

6.0 Compliance to Resettlement Action Plan and Tribal People's Plan (If any)

Table 9: Compliance with Resettlement Action Plan and Tribal People's Plan

Sl. No.	Abbreviated Resettlement Action Plan (ARAP) and Tribal people's plan	Compliance Status {complied; not complied; n/a at current stage of the project}	Remarks {provide details to show how compliance was achieved; or explain the corrective action done if there was non-compliance}
1.	In this project as per the guidelines of AEGCL and AIIB the Resettlement Action Plan (RAP) / Abbreviated Resettlement Action Plan (ARAP) to be prepared in case of LA and direct purchase of land based on mutual consent between the land owner and the requiring body PMU (AEGCL), but the above process should be followed by the rules and regulations of LA Act 2013.	Being Complied	<ul style="list-style-type: none"> ARAP report for three substations – Rangia/Kumarikata, Nagaon2 and Bihpuria S/s approved by AIIB and uploaded to the same in website.
2.	Provisions for Tribal People (if any) to be made according to the guideline	N/A	If triggered then TDP will be prepared accordingly.

7.0 Summary of Monitoring Results

7.1 Environmental and Social Monitoring

EPC Contractors are complying with the same as per the requirements of contract agreement under the direct supervision of PMC. Baseline data has been taken by EPC contractors and the results and analysis have been given in the respective CESMP. The analysis of the results shows that the results are within permissible limits except for Noise level from the standard commercial area in Jaklabandha, Nalbari, Depota, Samaguri and Sarusajai, which may be due to noise from the movement of vehicles passing in the road nearby the S/S. The detailed package-wise baseline data is given below. The post-monsoon Environment Quality Monitoring has been carried out by respective EPC contractors in their respective project sites. The details of the same are provided in Annexure-12.

Table 10: Package-wise Ambient Air Quality Monitoring Results (Data generated for post- monsoon season 2023)

Name of Package	Name of Monitoring Station	Results (Baseline data)		Results (Data generated for post- monsoon season 2023)		Remarks
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	
A	Bihpuria	64	28	72	27	Generated for pre -monsoon season
	Jaklabandha	68	27	65	32	Generated for pre -monsoon season
B	Chhaygoan	62	29	70	36	Generated for pre -monsoon season
	Nagaon 2	59	32	67	33	Generated for pre -monsoon season
C	Burhigaon	59	21	72	38	Generated for pre -monsoon season
D	Khumtai	59	32	--- ***	---	Generated for pre -monsoon season
E	Shankadevnagar	62	26	79	38	Generated for pre -monsoon season
	Agomoni	59	28	76	26	Generated for pre -monsoon season
F	Gohpur	64.6	39.2	---	---	Generated for post-monsoon season

*** The EQM Test report for Khumtai substation under package-D has not yet submitted after repeated communication and reminder to EPC Contractor.

Table 11: Package-wise Ambient Noise Level Monitoring Results (Data generated for post- monsoon season 2023)

Name of Package	Name of Monitoring Station	Sound Parameters (dBA)				Remarks	CPCB Ambient Noise Standards [Limit in dB (A) Leq]	
		Results (Baseline data) Limits in dB(A)		Limits generated for post-monsoon season 2023)			Day Time	Night Time
		Day Time	Night Time	Day Time	Night Time			
A	Bihpuria	48.7	38.4	50.1	39.3	Generated for pre -monsoon season	65	55
	Jaklabandha	70	37.5	62.1	40.1	Generated for pre -monsoon season		
B	Chhaygoan	62.8	57.1	64.2	46.3	Generated for pre -monsoon season		
	Nagaon 2	40.7	35.4	62.1	40.2	Generated for pre -monsoon season		
C	Burhigaon	64.8	58.4	62.7	44.6	Generated for pre -monsoon season		
D	Khumtai	42.5	35.1	---	---	Generated for pre -monsoon season		
E	Shankadevnagar	57.6	37.4	63.4	37.1	Generated for pre -monsoon season		
	Agomoni	56.4	38.2	62.1	40.5	Generated for pre -monsoon season		

Assam Intra-State Transmission System Enhancement Project, Phase-1

F	Gohpur	64.2	44.6	---	---	Generated for post-monsoon season		
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Table 12: Package wise Monitoring Results of Vibration (Data generated for post- monsoon season 2023)

Name of Package	Name of Monitoring Station	Results (Baseline data) Vibration (mm/ss)				Vibration Value (mm/ss)				Limits Vdb {=20 Log10 (Vm/Vr)}	Remarks
		Day Time		Night Time		Day Time		Night Time			
		Max	Min	Max	Min	Max	Min	Max	Min		
A	Bihpuria	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
	Jaklabandha	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
B	Chhayagon	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
	Nagaon 2	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
C	Burhigaon	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
D	Khumtai	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
E	Shankardevnagar	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
	Agamoni	<0.01	<0.01	<0.01	<0.01	---	---	---	---	<60	Generated for pre -monsoon season
F	Gohpur	---	---	---	---	---	---	---	---	<60	vibration test not conducted yet

Table 13: Package wise Water Quality Monitoring Results (Data generated for post- monsoon season 2023)

Name of Monitoring Station	Parameters	Results (Baseline data)	IS-10500-2012		Results (Data generated for post-monsoon season 2023)	IS-10500-2012	
			Requirement Acceptable Limit)	Permissible Limit in the absence of alternate source		Requirement Acceptable Limit)	Permissible Limit in the absence of alternate source
Bihpuria	pH	6.52	6.5-8.5	No relaxation	6.55	6.5-8.5	No relaxation
	Conductivity	0.068	—	—	0.102	—	—
	Colour	1	5	15	Clear	5	15
	Total Dissolved Solids	36	500	2000	70	500	2000
	Total Suspended solids	<10	—	—	<10	—	—

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Turbidity	4	1	5	1	1	5
	BOD	<2	—	—	<2	—	—
	Dissolved Oxygen	5.8	—	—	4.9	—	—
	Chlorides	1	250	1000	3	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5
	Iron	0.08	0.3	No relaxation	0.28	0.3	No relaxation
	Oil and Grease	<2	—	—	<2	—	—
	Sulphates	10.3	200	400	3.6	200	400
	Hardness	23.8	200	600	40	200	600
	Nitrate	<1	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	E.Coli	Absent	Absent	Absent	Absent	Absent	Absent
	Total Coliform	Absent	Absent	—	Absent	Absent	---
	Pesticides	BDL	—	—	BDL	—	---
	Taste	Agreeable	Agreeable	—	Agreeable	Agreeable	---
	Floating Materials	Not Visible	—	—	Not visible	—	---
Jaklabandha	pH	6.74	6.5-8.5	No relaxation	6.51	6.5-8.5	No relaxation
	Conductivity	0.076	—	—	0.122	—	—
	Colour	1	5	15	1	5	15
	Total Dissolved Solids	39	500	2000	45	500	2000
	Total Suspended solids	<10	—	—	<10	—	—
	Turbidity	2	1	5	1	1	5
	BOD	<2	—	—	<2	—	—
	Dissolved Oxygen	5.2	—	—	5.1	—	—
	Chlorides	1	250	1000	<2	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Iron	0.11	0.3	No relaxation	0.13	0.3	No relaxation
	Oil and Grease	<2	–	–	<2	–	–
	Sulphates	12.1	200	400	1.9	200	400
	Hardness	22.1	200	600	18	200	600
	Nitrate	<1	45	No relaxation	<1	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	E.Coli	Absent	Absent	Absent	Absent	Absent	Absent
	Total Coliform	Absent	Absent	–	Absent	Absent	---
	Pesticides	BDL	–	Agreeable	BDL	---	---
	Taste	Agreeable	Agreeable	–	Agreeable	Agreeable	---
	Floating Materials	Not Visible	–	–	Not visible	–	---
Chhaygaon	pH	6.57	6.5-8.5	No relaxation	6.57	6.5-8.5	No relaxation
	Conductivity	0.17	–	–	0.14	–	–
	Colour	1	5	15	Colourless	5	15
	Total Dissolved Solids	86	500	2000	94	500	2000
	Total Suspended solids	<10	–	–	<10	–	–
	Turbidity	1	1	5	<1	1	5
	Chlorides	9.9	250	1000	1	250	1000
	Fluoride	<0.5	1	1.5	<2	1	1.5
	Iron	0.13	0.3	No relaxation	0.21	0.3	No relaxation
	Oil and Grease	<2	–	–	<2	–	–
	Sulphates	6.8	200	400	2.7	200	400
	Hardness	82	200	600	35.2	200	600
	Nitrate	<5	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Aggrable	Agreeable	Agreeable
	Taste	Agreeable	Agreeable	Agreeable	Aggrable	Agreeable	Agreeable

Assam Intra-State Transmission System Enhancement Project, Phase-1

Nagaon 2	pH	6.53	6.5-8.5	No relaxation	6.6	6.5-8.5	No relaxation
	Conductivity	0.51	—	—	0.35	—	—
	Colour	1	5	15	Colourless	5	15
	Total Dissolved Solids	259	500	2000	216	500	2000
	Total Suspended	<10	—	—	<10	—	—
	Turbidity	1	1	5	<1	1	5
	Chlorides	13.9	250	1000	<2	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5
	Iron	0.09	0.3	No relaxation	0.2	0.3	No relaxation
	Oil and Grease	<2	—	—	<2	—	—
	Sulphates	17.3	200	400	7.3	200	400
	Hardness	64	200	600	149	200	600
	Nitrate	<5	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Aggrable	Agreeable	Agreeable
	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Burhigaon	pH	6.54	6.5-8.5	No relaxation	6.51	6.5-8.5	No relaxation
	Conductivity	0.17	—	—	0.16	—	—
	Colour	1	5	15	Colourless	5	15
	Total Dissolved Solids	92	500	2000	94	500	2000
	Total Suspended Solids	<10	—	—	<10	—	—
	Turbidity	1	1	5	<1	1	5
	Chlorides	14.9	250	1000	6.9	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5
	Iron	0.15	0.3	No relaxation	0.22	0.3	No relaxation
	Oil and Grease	<2	—	—	<2	—	—
	Sulphates	5.5	200	400	2.1	200	400

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Hardness	96.7	200	600	32	200	600
	Nitrate	<5	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Aggrable	Agreeable	Agreeable
	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Khumtai	pH	6.51	6.5-8.5	No relaxation	---	---	---
	Conductivity	0.13	—	—	---	---	---
	Colour	2	5	15	---	---	---
	Total Dissolved Solids	46	500	2000	---	---	---
	Total Suspended Solids	<10	—	—	---	---	---
	Turbidity	2	1	5	---	---	---
	Chlorides	6.9	250	1000	---	---	---
	Fluoride	<0.5	1	1.5	---	---	---
	Iron	<0.06	0.3	No relaxation	---	---	---
	Oil and Grease	<2	—	—	---	---	---
	Sulphates	12	200	400	---	---	---
	Hardness	48	200	600	---	---	---
	Nitrate	<5	45	No relaxation	---	---	---
	Odour	Agreeable	Agreeable	Agreeable	---	---	---
	Taste	Agreeable	Agreeable	Agreeable	---	---	---
Shankardevnagar	pH	6.59	6.5-8.5	No relaxation	6.59	6.5-8.5	No relaxation
	Conductivity	0.5	—	—	0.443	—	—
	Colour	1	5	15	Colourless	5	15
	Total Dissolved Solids	286	500	2000	282	500	2000
	Total Suspended Solids	<10	—	—	<10	—	—
	Turbidity	<1	1	5	<1	1	5
	BOD	<2	—	—	<2	—	—

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Dissolved Oxygen	5.2	—	—	4.6	—	—
	Chlorides	4.96	250	1000	2.9	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5
	Iron	0.24	0.3	No relaxation	0.16	0.3	No relaxation
	Oil and Grease	<2	—	—	<2	—	—
	Sulphates	32.5	200	400	7.3	200	400
	Hardness	173.84	200	600	186	200	600
	Nitrate	<1	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Aggrable	Agreeable	Agreeable
	E.Coli	Absent	Absent	Absent	Absent	Absent	Absent
	Total Coliform	Absent	Absent	—	Absent	Absent	—
	Pesticides	BDL	—	Agreeable	BDL	—	Agreeable
	Taste	Agreeable	Agreeable	—	Aggrable	Agreeable	—
	Floating materials	Not Visible	—	—	Not visible	—	—
Agomoni	pH	6.51	6.5-8.5	No relaxation	6.5	6.5-8.5	No relaxation
	Conductivity	0.13	—	—	0.124	—	—
	Colour	1	5	15	Colourless	5	15
	Total Dissolved Solids	52	500	2000	48	500	2000
	Total Suspended	<10	—	—	<10	—	—
	Turbidity	<1	1	5	<1	1	5
	BOD	<2	—	—	—	—	—
	Dissolved Oxygen	4.8	—	—	4.1	—	—
	Chlorides	3.9	250	1000	<2	250	1000
	Fluoride	<0.5	1	1.5	<0.5	1	1.5
	Iron	0.16	0.3	No relaxation	0.14	0.3	No relaxation
	Oil and Grease	<2	—	—	<2	—	—

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Sulphates	16.2	200	400	3.4	200	400
	Hardness	22.1	200	600	16	200	600
	Nitrate	<1	45	No relaxation	<5	45	No relaxation
	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	E.Coli	Absent	Absent	Absent	Absent	Absent	Absent
	Total Coliform	Absent	Absent	—	Absent	Absent	—
	Pesticides	BDL	—	Agreeable	BDL	—	Agreeable
	Taste	Agreeable	Agreeable	—	Agreeable	Agreeable	—
	Floating materials	Not Visible	—		Not visible	—	
Gohpur	pH	7.2	6.5-8.5	No relaxation	---	---	---
	Conductivity	0.46	—	—	---	---	---
	Colour	NC	5	15	---	---	---
	Total Dissolved Solids	71.2	500	2000	---	---	---
	Total Suspended Solids	64.8	—	—	---	---	---
	Turbidity	2.2	1	5	---	---	---
	BOD	1.1	—	2	---	---	---
	Dissolved Oxygen	4.4	—	6	---	---	---
	Fluoride	0.21	1	1.5	---	---	---
	Iron	0.16	0.3	No relaxation	---	---	---
	Sulphates	8.6	200	400	---	---	---
	Total Hardness as CaCO ₃	72.2	200	600	---	---	---
	Odour	NC	Agreeable	Agreeable	---	---	---
	Taste	NC	Agreeable	Agreeable	---	---	---
	E.Coli	Nil	Absent	Absent	---	---	---
	Total Coliform	Nil	Absent	Absent	---	---	---

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Total Pesticides floating materials	BDL	-	0.4	---	---	---
	Plastic	BDL	-	0.0005	---	---	---
	Rubber	BDL	-	0.1	---	---	---
	Corrosivity	Non Corrosive	-	-	---	---	---

Table 14: Package wise Soil Quality Monitoring Results (Data generated for post- monsoon season 2023)

Name of Package	Name of Monitoring	Parameters	Results (Baseline data)	Results (Data generated for post- monsoon season 2023)	REMARKS
A	Bihpuria	pH value(1.5)	5.76	5.45	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	4.78	4.35	
		Chloride in mg/kg	8.4	7.2	
		ORP in mV	520	456	
		Water soluble salts as EC in mS/m	160	239	
		Organic matter in %	5.2	4.1	
		Moisture Content in %	21.56	19.7	
	Jakhalabandha	pH value(1.5)	6.42	6.23	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	4.63	4.12	
		Chloride in mg/kg	7.6	6.5	
		ORP in mV	520	438	
		Water soluble salts as EC in mS/m	490	412	
		Organic matter in %	4.2	3.1	
		Moisture Content in %	28	20	
B	Chhaygaoan	pH value(1.5)	5.94	6.3	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	6.1	6.12	
		Chloride in mg/kg	6.8	8.2	
		ORP in mV	532	468	
		Water soluble salts as EC in mS/m	156	402	

Assam Intra-State Transmission System Enhancement Project, Phase-1

	Nagaon 2	Organic matter in %	4.6	2.6	Generated for pre -monsoon season
		Moisture Content in %	21.8	21	
		pH value(1.5)	5.84	5.9	
		Sulphite in SO ₃ in %	6.4	5.46	
		Chloride in mg/kg	7.3	7.2	
		ORP in mV	539	437	
		Water soluble salts as EC in mS/m	146	256	
		Organic matter in %	4.7	2.1	
		Moisture Content in %	21.5	18	
C	Burhigaon	pH value(1.5)	6.12	6.1	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	5.4	6.32	
		Chloride in mg/kg	7.9	7.6	
		ORP in mV	490	454	
		Water soluble salts as EC in mS/m	147	298	
		Organic matter in %	4.8	2.9	
		Moisture Content in %	23.7	17	
D	Khumtai	pH value(1.5)	5.54	---	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	5.8	---	
		Chloride in mg/kg	6.8	---	
		ORP in mV	568	---	
		Water soluble salts as EC in mS/m	132	---	
		Organic matter in %	4.5	---	
		Moisture Content in %	34.5	---	
E	Shankardevnagar	pH value(1.5)	5.6	5.9	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	4.63	5.82	
		Chloride in mg/kg	8.4	8.5	
		ORP in mV	490	488	
		Water soluble salts as EC in mS/m	396	367	
		Organic matter in %	3.7	3.2	
		Moisture Content in %	38	23	
	Agomoni	pH value(1.5)	6.4	6.2	Generated for pre -monsoon season
		Sulphite in SO ₃ in %	5.67	6.24	

Assam Intra-State Transmission System Enhancement Project, Phase-1

		Chloride in mg/kg	8.7	8.6	
		ORP in mV	520	506	
		Water soluble salts as EC in mS/m	460	387	
		Organic matter in %	4.1		
		Moisture Content in %	29	22	
F	Gohpur	pH value(1.5)	6.8	---	Generated for post -monsoon season
		Sulphite in SO ₃ in %	32.6	---	
		Chloride in mg/kg	28.2	---	
		ORP in mV	72	---	
		Water soluble salts as EC in mS/m	0.41	---	
		Moisture Content in %	28.4	---	

7.2 Capacity Building Monitoring

The details Capacity building program are provided in Table below.

Table 15: Details Capacity building program

Sl. No.	Date	Topic of Training	Participant/ Organization	No. of Participant
1.	20.07.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	1 08
2.	26.07.2023	Training on EHS&S aspects at Agomani GIS substation	EPC Contractor's representatives and Labour	2 13
3.	31.07.2023	Training on EHS&S aspects at Shankardevnagar GIS substation.	EPC Contractor's representatives and Labour	4 20
4.	08.08.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and labour	1 07
5.	29.08.2023	Training on EHS&S aspects at Sankardevnagar GIS substation.	EPC Contractor's representatives and Labour	2 11
6.	12.09.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	1 21
7.	26.09.2023	Training on EHS&S aspects at Agomani GIS substation	EPC Contractor's representatives and Labour	2 7
8.	17.10.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	1 7
9.	20.11.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	1 16
10.	06.12.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	1 16
11.	29.12.2023	Training on EHS&S aspects at Agomoni GIS substation.	EPC Contractor's representatives and Labour	1 6

Apart from the above, regular training to EPC contractors has been given during preparation of their respective Contractor's Environmental and Social Management plan (CESMP) including Traffic Management Plan (TMP) from July to December, 2023.

E&S training was conducted on different topics mentioned below:

1. Statutory requirement of permission/consent/clearances as per approved CESMP, ESIA – ESMP & ESMPF.
2. Detailed requirement of compliance of approved CESMP as per ESIA – ESMP & ESMPF.
3. Detailed safety requirements during the execution of civil work as per approved CESMP, ESIA – ESMP & ESMPF.

Assam Intra-State Transmission System Enhancement Project, Phase-1

4. Detailed facilities to be provided to labour and contractors GRM process as per approved CESMP, ESIA – ESMP & ESMPF.
5. Detailed requirement of Environmental Monitoring for Ambient Air Quality, Noise Level, Water, Soil quality, Ecological and Social environment as per approved CESMP, ESIA – ESMP & ESMPF.

Grievance Redress Mechanism (GRM) training/Public awareness was conducted at PIU Offices, AEGCL, and nearby substation sites on different topics mentioned below.

1. Overview of the Grievance Redress Mechanism,
2. Complaints that may arise during the project implementation period (Pre Construction, During Construction and Post Construction),
3. Roles and Responsibilities of GRC Members (PIU),
4. Most common grievances and redressal and
5. How to maintain the grievance redressal mechanism Logbook.

All the above documents were provided to the Officials present in the training program and ensuring to maintain proper records on all project specific grievances for GRM.

7.3 Accident Monitoring

Accident monitoring is being done as per requirement. During the reporting period, several minor worksite incidents were reported i.e., minor cuts in four labours fingers and leg at Burhigaon substation site during working in boundary wall and GIS building construction, ten minor injuries happened in the Chhaygaon substation site during working in GIS building and boundary wall construction and four minor cut injury happened in Nagaon-2 substation site during working in officer's hostel. Twenty-two incidents of minor cuts on the hand, incidents of back pain and fever were reported from the Jakhlbandha substation, thirteen incidents happened at Bihpuria substation of minor cut and scratches in labour hand and knee while working in boundary wall construction whereas at Sankardevnagar substation seven incidents of minor cut and scratches happened in labour hand and knee while working in boundary wall construction and seven minor cut and foot injuries happened in Khumtai substation while working at GIS building and immediately first aid treatment was given to all the workers/labours. In other sites no incident of worksite incident/accident was observed.

7.4 Highlighted Actions

- Semi-Annual monitoring report for the period January to June, 2023 updated and submitted to AIIB on 29th July, 2023 and approval received from AIIB on 8th August, 2023.
- Extended ESIA-ESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to original scope of 3 nos. Transmission Line by High Temperature low sag (HTLS) conductor submitted to AIIB on 15th September, 2023 and approval received from AIIB on 11th October, 2023.
- Extended CESMP report for Augmentation of 132 kV S/C Sarusajai to Kamakhya. Transmission Line in addition to original scope of 3 nos. Transmission Line by High Temperature low sag (HTLS) conductor submitted to AIIB on 15th December, 2023. Approval is awaited from AIIB.
- Trees falling permission for Gohpur substation obtained from the DEPARTMENT OF ENVIRONMENT & FORESTS OFFICE OF THE DIVISIONAL FOREST OFFICER SONITPUR EAST DIVISION, BISWANATH CHARIALI on 11th of July, 2023 and tree cutting completed on 5th of August, 2023.
- Approved E&S Checklists are regularly filled by EPC Contractors as per the working condition at the respective project site.




Assam Intra-State Transmission System Enhancement Project, Phase-1

- Public awareness program on Grievance Redressal Mechanism provided by PMC/EPC Contractors at Nagaon-2, Jakhalabandha, Agamoni, Sankardevnagar, Bihpuria, Package – M and Khumtai Substation site.
- During the reporting period several site visits were conducted for different sites to witness environmental monitoring, monitor the Environmental, Health & Safety Standards, EHS etc.




8.0 Implementation of Grievance Redressal Mechanism and Complaints Received

Role and responsibilities of the GRM is in place. The grievances received during the reporting period are mentioned in the table below.

Table 16: Status of Grievance Received and their Redressal

Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance /Complain	Timeline*	Remarks	Sample Photographs
1	Nearest people (verbal)	Khumtai Substation 13.07.2023	The site approach road is very narrow.	Issues resolved on the same day in discussion with the public.	EPC will rectify this as soon as the rain stops.	
2	Local public (Verbal)	Nagaon-2 substation 18.07.2023	The boundary wall excavated area near the house is not barricaded to prevent children & animals from falling.	Issue resolved on the (20.07.2023)	Fencing barricading was provided at all excavated area.	
3	Complain received from tea-garden labour	Khumtai substation 26.08.2023	Tea-garden road found damage due to regularly used transportation by site vehicle.	Issue resolved on 27.08.2023	Repaired the damaged road by EPC.	
4	Complaints received from the residents near the substation.	Burhigaon substation 29.08.2023	One civilian complains about not having barricading tape on the road side.	Issue resolved on 29.08.2023	Barricading done on road side.	
5	Complain were received from the residents near the substation.	Jakhalabandha Substation 12.09.2023	Dust particles level high on the roadside	Resolved on same day	Water sprinkled done on the road.	
6	Complain received from the residents near the substation.	Burhigaon substation 14.09.2023	One villager complains about housekeeping, which needs to be done on road side.	Issue resolved on 15.09.2023	Housekeeping done on roadside.	




Assam Intra-State Transmission System Enhancement Project, Phase-1

7	Complain were received from the residents near the substation.	Chhaygaon Substation 15/09/2023	Cows and goats from the nearby community may fall down into the excavated pit. Suggested to EPC to give strong barricade	Resolved on same day	Strong barricade was done around the excavated pit area.	
8	Complain received from the residents near the substation	220kV Mariani to Samuguri Line 17.09.2023	To reach the tower location the worker has to go through the paddy field. The owner of the paddy field not allowing the workers to go through the paddy field.	Resolved on 18.09.2023	After discussion with the land owner, the owner allowed the workers to go through the edge of the paddy field without damaging the crops	
9	Complaint received from the Shopkeeper near the substation.	Burhigaon substation 18.09.2023	For a long time, one worker has been purchasing/borrowing items from a nearby shop and his payment has been due for a long time.	Resolved on 21.09.2023	The worker was instructed to pay the entire amount and accordingly, the worker paid to the shopkeeper.	
10	Local public (Verbal)	Sankardev Nagar Substation 15.10.2023	The service road is muddy and not in good condition from Sankardev Nagar S/s to AEGCL staff quarter	Issues resolved on the 17.10.2023	Assurance was given and repaired the road accordingly.	
11	Nearest people (verbal)	Bihpuria Substation 17.10.2023	Dust particles level high on the roadside.	Issues resolved on the 18.10.2023	Water sprinkled done on the road.	
12	Gulab Sahoo	Sankardev Nagar Substation 20.10.2023	Security barrack had damage at the site	Issues resolved on the 21.10.2023	The security barrack fan was repaired properly	
13	Local public (Verbal)	Burhigaon substation 22.10.2023	One villager complains about poor sanitation/ cleanliness on the roadside near the substation.	Issue resolved on the (23.10.2023)	Proper cleanliness/sanitation is done on the roadside.	
14	Complain received from the residents near the substation	Chaygaon Substation 06.11.2023	Vehicles are coming into the substation at high speed on the government public roads, and the local public has been facing a lot of difficulties.	Resolved on 06.11.2023	Discussion properly with drivers, and inform them to minimize vehicles' speed to 20kmph in the village area	
15	Nearest	Bihpuria	Dust particles level	Issue resolved	Water was	

Assam Intra-State Transmission System Enhancement Project, Phase-1

	people (verbal)	Substation 09.11.2023	high on the road	on 10.11.2023	sprinkled on the roadside.	
16	Nearest people (verbal)	Khumtai Substation 10.11.2023	There was a lot of dust floating on the substation site	Resolved on same day	Water sprinkle done at substation site	
17	Complaints were received from the residents near the substation.	Jakhalabandha Substation 14.11.2023	Dust particles level high on the road side	Resolved on same day	Water sprinkled done at the road side	
18	Complaints were received from the residents near the substation.	Jakhalabandha Substation 18.11.2023	Dust particles level high on the roadside	Resolved on same day	Water sprinkled done on the roadside	
19	Nearest people (verbal)	Khumtai Substation 21.11.2023	Unavailability of dustbin at site	Issue resolved on 25.11.2023	Dustbin provided at the site	
20	Complaints were received from the residents near the substation.	Jakhalabandha Substation 25.11.2023	Dust particles level high on the roadside	Resolved on same day	Water sprinkled on the roadside	
21	Complaints were received from the residents near the substation.	Bihpuria Substation 25.11.2023	Dust particles level high on the Aooroach road	Issue resolved on 27.11.2023	Water sprinkled on the approach road.	
22	Nearby community people (verbal)	Khumtai Substation 28.11.2023	Caution signs are not visible in front of the site.	Resolved on same day	Caution banners are placed in front of the site	
23	Nearby community people (verbal)	Khumtai Substation 05.12.2023	There should be an entry signboard at the gate.	Issue resolved on 08.12.2023	Arrow mark was placed at the entrance of the site.	
24	Nearby community people (verbal)	Jakhalabandha Substation 06.12.2023	Dust particles level high on the Approach road	Issue resolved on 07.12.2023	Water sprinkled done on the road	
25	Nearby community people (verbal)	Bihpuria Substation 07.12.2023	Dust particles on the approach road	Issue resolved on 08.12.2023	Water sprinkled on the road	
26	Nearby community people (verbal)	Khumtai Substation 10.12.2023	There was a lot of dust floating on the site	Resolved on same day	Water sprinkle done at site	
27	Nearby community	Sankardev Nagar	Nearby residents complaining about	Resolved on the same day	Phenyl was sprinkled around	

Assam Intra-State Transmission System Enhancement Project, Phase-1

	people (verbal)	Substation 12.12.2023	the snake crossing on the substation road.		the substation area.	
28	Nearby community people (verbal)	Jakhalabandha Substation 15.12.2023	Dust particles level high on the approach road	Issue resolved on 16.12.2023	Water sprinkled on the road	
29	Nearby community people (verbal)	Khumtai Substation 15.12.2023	Poor illumination at labour camp.	Resolved on the same day	50-watt halogen light provided.	
30	Nearby community people (verbal)	Bihpuria Substation 17.12.2023	Dust particles on the approach road	Resolved on same day	Water sprinkled on the road	
31	Nearby community people (verbal)	Khumtai Substation 20.12.2023	The project road gets damaged due to rain.	Issue resolved on 26.12.2023	Levelling of the project road is done.	
32	Nearby community people (verbal)	Bihpuria Substation 21.12.2023	Dust particles on the approach road	Resolved on same day	Water sprinkled on the road	
33	Nearby community people (verbal)	Jakhalabandha Substation 24.12.2023	Dust particles level high on the Approach road	Issue resolved on 27.12.2023	Water sprinkled on the road	
34	Nearby community people (verbal)	Burhigaon substation 26.12.2023	There are a lot of dust particles flying over the road.	Issue resolved on 27.12.2023	Water sprinkled donr on the road	
35	Complain received from the residents nearby the substation.	Nagaon 2 substation 26.12.2023	There was a lot of dust floating on the site.	Issue resolved on 27.12.2023	Water sprinkled done on the site.	

9.0 Corrective Action Plan

Table 17: Key issues and Corrective Action Plan

Sl. No.	Key issues	Action Required	Responsibility	Target Date	Indicator of Compliance /Corrective actions plan
1.	Copies of permissions /consents to be	Submit copies of permissions /consents before the	EPC contractors	Immediate arrangement before the	Observation/review with EPC contractors/update record

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Target Date	Indicator of Compliance /Corrective actions plan
	submitted	respective activity		respective activity	
2.	Forest clearance for T/L of package H (Sonapur) in principal approved from Forest Department.	PIU/PMU/PMC requires expediting the process for final approval Forest clearance for T/L of package H (Sonapur) from concerned Department.	PIU/PMC/PMU	Immediate arrangement before the respective activity	Review with AEGCL/ Forest Department
3	The RoW permission for the complete route passing through different villages for the construction of new LILO 400KV Silchar-Byrnihat T/L is yet to be obtained.	PMU/PIU need to expedite the joint verification works along with the concerned Revenue Department to ascertain the status of land in those villages.	PMU / PIU / Reveue Dept / Forest Dept	Immediate arrangement	Review with Revenue Dept/Forest Dept.
4.	The project signboard is to be displayed in all project sites, sufficient numbers of PPE kits are to be provided in all sites, fire extinguishers are to be installed, and proper labour facilities are to be provided by EPC contractors.	Project signboard is to be displayed in all project sites, sufficient numbers of PPE kits are to be provided in all sites, fire extinguishers are to be installed and proper labour facilities are to be provided by EPC contractors.	EPC contractors	Immediate arrangement	Observation/review with EPC contractors/update record
5	Landfilling work is to be done in all the respective substations areas as per approved CESMP	EPC should expedite in obtaining land filling documents before the start of earth filling.	EPC contractor	Immediate arrangement	Observation/review with EPC contractors/update record
6.	Joint verification of land owner identification survey of Transmission Lines with the concerned revenue department needs to expedite for the respective T/L to finalize the land schedule.	Expediting surveying/ resurvey with the concerned revenue department to finalize that land schedule.	EPC contractors	Immediate arrangement	Observation/review with EPC contractors/update record

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Target Date	Indicator of Compliance /Corrective actions plan
7	Require to conduct Public awareness/consultation program on Grievance Redressal Mechanism by PMC/EPC	To be conducted by PMC/EPC staff	PMC/EPC contractor	Continuous arrangement	Observation/review with EPC contractors/update record
8	PIU/PMC to ensure for filling up of necessary work-related Checklists by EPC contractors in all the ongoing working sites.	Necessary work-related checklist to be filled up by EPC	PIU/PMC/EPC Contractor	Regularly	Observation/review with EPC contractors/update record.
9	PMU/PIU/PMC to ensure that all EPC contractors will comply with proper housekeeping and proper drainage facilities/waste management facilities at all substation sites.	EPC contractor should ensure proper housekeeping, drainage facilities etc	EPC Contractor	Immediate arrangement	Observation/review with EPC contractors/update record
10	Medical tie-ups with nearby hospitals need to be done in the respective substation site by the EPC contractors.	Expedite the process of medical tie-up with the nearby hospital.	EPC Contractor	Immediate arrangement	Observation/review with EPC contractors/update record
11	Health check-up camps need to be organized in the respective substation sites by the EPC contractors.	Conduct the health check-up camp.	EPC Contractor	Immediate arrangement	Observation/review with EPC contractors/update record
12	Expedite Final Check Survey Report: All EPC contractors are to finalize the check survey as per the approved tower spotting data with utmost urgency and expedite the process.	EPC Contractor should expedite the final check survey	EPC Contractors	Immediately	Review with EPC contractors

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Target Date	Indicator of Compliance /Corrective actions plan
13	All EPC contractors are to deploy the designated personnel, including the Community Consultation Officer for Transmission Line works.	EPC contractors should deploy the staff at the respective project site.	EPC Contractors	With immediate effect	Review with EPC contractors
14	PIU officials of AEGCL are to communicate to all stockholders/departments to provide various government rates for compensation of crop damage, plantation damage, tree cutting, trimming, utilities, etc. that will be damaged during construction works.	PIU/EPC should expedite the process on an urgent basis	PIU/EPC Contractors	Immediate	Review with PIU/EPC contractors
15	PIU to communicate with the concerned departments for obtaining statutory clearance if required, such as Railway crossing, NHAI, PTTC & any clearance required from Power Grid etc.	PIU/EPC should expedite the process	PIU/EPC Contractors	Immediate	Review with PIU/EPC contractors

10.0 Status of Non-compliances from previous monitoring report

(Provide here status of the non-compliances and corrective actions proposed in the previous (5th) monitoring report.

Sl. No.	Key issues	Action Required	Responsibility	Compliance status on corrective actions of previous (5 th) monitoring report during the present reporting period.
1.	Copies of permissions /consents to be submitted	Submit copies of permissions /consents before respective activity	EPC contractors	Being complied
2.	Forest clearance for T/L of package H (Sonapur) is yet to be obtained from	PIU/PMU/PMC requires expediting the process of Forest clearance	PIU / PMC / PMU	per the new guidelines of RIVESH 2.0 the 1st Project Steering Committee (PSC) meeting held by Nodal Officer (FC Act),

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Compliance status on corrective actions of previous (5 th) monitoring report during the present reporting period.
	Forest Department.	for T/L of package H (Sonapur) from Forest Department.		CF on 25.01.2023 and some replies were received. Reply of these replies already submitted to PCCF. The 2nd PSC meeting was held by Circle Officer (FC Act), PCCF on 2nd Feb, 2023 and the committee had decided that as there is no further queries/issues in the said proposal, the same forwarded to the
3.	Tree felling permission for Shankardevnagar and Gohpur (Package-F) is yet to be obtained from Forest Department.	PIU/PMC/PMU require to expedite the process of permission of tree felling from Forest Department for Shankardevnagar and Gohpur S/S.	PIU / PMC / PMU	<ul style="list-style-type: none"> For Shankardevnagar substation tree felling permission obtained. DFO, Sonitpur East Division, Biswanath Chariali communicated to Circle Officer, Gohpur Revenue to conduct a joint verification to ascertain the status of the land for the prevailing trees with the forest official in Gohpur S/s under package- F.
4.	Project signboard is to be displayed in all project sites, sufficient numbers of PPE kits are to be provided in all sites, fire extinguisher to be installed, and proper labour facility to be provided by EPC contractors.	EPC Contractors to provide the facilities at respective project site,	EPC contractors	Project signboards are being displayed, PPE kits are being provided, fire extinguishers are installed and labour facility is being provided and same has to be ensured in their respective project site by EPC contractors
5.	Require surveying the TL with concerned revenue department to finalize the land schedule.	Require surveying/ resurvey with concerned revenue department to finalize the land scheduling for all the Transmission lines	EPC contractors	The joint verification survey of land owner identification/ tower location of 220 kV LILO Mirza – Boko Transmission Line of Chhaygaon GIS and 220kV LILO Line from 220kV Samaguri AEGCL Existing Sarusajai D/C Line of Nagaon - 2 GIS under Package-B conducted as per 1995 tower design and resurvey of land owner identification / tower location of 132 kV Rowta-Sipajhar Line for Burhigaon substation under package - C was conducted during the reporting period. However, final re-check survey and land scheduling need to be conducted

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Compliance status on corrective actions of previous (5 th) monitoring report during the present reporting period.
				as per latest approved tower spotting data of 2015..
6	Require to conduct Public awareness program on Grievance Redressal Mechanism by PMC/EPC	To be conducted by PMC/EPC staff regularly	PMC / EPC contractor	<ul style="list-style-type: none"> Continuous awareness programs on GRM providing to the local community residing near the substations
7	All EPC contractors is requested to submitted all the relevant/permission related to borrow earth for filling works from the competent authority (Forest/ Revenue Department) except Jakhlabandha S/s under package – A, Chhaygaon S/s under package - B and Khumtai S/s under package – D.	EPC contractor to submit all the relevant documents	EPC contractor	<ul style="list-style-type: none"> Instructed to EPC contractors of Bihpuria substation (Package-A), Nagaon substation (Package-B), Burhigaon (Package-C) Sankardevnagar and Agamoni Substation (Package-E) and Conversion of AIS to GIS Gohpur substation (Package-F) to collect the permission from Competent Authority,
8	PMU/PIU/PMC to ensure that all EPC contractors will comply with proper housekeeping, proper drainage facilities/waste management facilities at all substation sites.	EPC contractor should ensure with proper housekeeping, drainage facilities etc	EPC Contractor	<ul style="list-style-type: none"> Instructed all EPC contractors to ensure and comply with proper housekeeping, proper drainage facilities / waste management facilities at all substation sites.
9	Health check-up camp needs to be organized in the respective substation site by the EPC contractors.	Conduct the health check-up camp at respective project site	EPC Contractor	<ul style="list-style-type: none"> Health check-up camp was organized for the workers at Jakhlabandha S/s, Bihpuria S/s, Chhaygaon S/s, Nagaon-2 S/s, Burhigaon S/s, Agomoni S/s, Sankardevnagar S/s and package-M site by EPC contractor during the reporting period except Khumtai S/s under package - D. Instructed EPC contractor of Pkg-D to organize the same.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Sl. No.	Key issues	Action Required	Responsibility	Compliance status on corrective actions of previous (5 th) monitoring report during the present reporting period.
10	Public Greivance Redressal box is needed to be installed at all the substation sites for receiving written grievances of public.	Installation of Greivance box at all Project site	EPC Contractor	Complied with

11.0 Conclusion and Recommendations

EPC contractors have resolved/settled minor issues that arise during the execution of the project. Landfilling work is to be done in all the respective substations areas as per approved CESMP. EPC should expedite in obtaining land filling documents before the start of earth filling. Joint verification of the landowner identification survey of Transmission Lines with the concerned revenue department needs to be expedited by the respective EPC contractors to finalize the land scheduling details. Based on the facts, it has been noted that corrective actions against most of the E&S non- are being done for the project during this period. However, more efforts will be ensured for uninterrupted workflow at the site and timely completion of the subproject activities.

EPC contractors are to comply with the following on a timely basis:

- Submit all legal/statutory/regulatory documents prior to the commencement of relevant work.
- Comply with the Environmental and Social Management Plan as per CESMP and ESMPF.
- Conduct Environmental monitoring as per CESMP and ESMPF.

Appendix 1

A. ESIA-ESMP implementation monitoring for Sub-station component (July-December, 2023)

Package	Location	No. of Site visit	Date of Site Visit		Remarks
A	220/33kV Jakhalabandha GIS Substation	15	14.07.2023 25.07.2023 26.07.2023 04.08.2023 11.08.2023 23.08.2023 25.09.2023 29.09.2023	06.10.2023 10.10.2023 01.11.2023 17.11.2023 21.11.2023 28.12.2023 29.12.2023	Monitoring of E&S Activities/ Training programme
	220/33 kV Bihpuria (New) GIS Substation	03	26.10.2023 30.10.2023 11.12.2023		Monitoring of E&S Activities/ Training programme
B	220/33kV Nagaon-2 GIS Substation	16	07.07.2023 18.07.2023 20.07.2023 02.08.2023 18.08.2023 30.08.2023 14.09.2023 25.09.2023 27.09.2023	05.10.2023 09.10.2023 13.10.2023 16.10.2023 01.11.2023 03.11.2023 27.12.2023	Monitoring of E&S Activities/ Training programme
	220/33kV Chhaygaon GIS Substation	11	14.07.2023 27.07.2023 03.08.2023 19.08.2023 08.09.2023 22.09.2023 29.09.2023	25.10.2023 06.11.2023 23.11.2023 18.12.2023	Monitoring of E&S Activities/ Training programme
C	132/33kV Burhigaon S/S	12	17.07.2023 28.07.2023 03.08.2023 19.08.2023 14.09.2023 26.09.2023 27.09.2023	06.10.2023 07.11.2023 28.11.2023 22.12.2023 26.12.2023	Monitoring of E&S Activities/ Training programme
D	132/33kV, 2X50 Kumtai S/S	32	05.07.2023 17.07.2023 18.07.2023 20.07.2023 31.07.2023 01.08.2023 08.08.2023 14.08.2023 27.08.2023 28.08.2023 30.08.2023 31.08.2023 01.09.2023 05.09.2023 11.09.2023 12.09.2023 29.09.2023	04.10.2023 09.10.2023 13.10.2023 17.10.2023 06.11.2023 14.11.2023 19.11.2023 20.11.2023 28.11.2023 01.12.2023 04.12.2023 05.12.2023 23.12.2023 28.12.2023 30.12.2023	Monitoring of E&S Activities/ Training programme

Assam Intra-State Transmission System Enhancement Project, Phase-1

Package	Location	No. of Site visit	Date of Site Visit		Remarks
	132/33 kV Sarupather Bay Extension	03	27.07.2023 08.09.2023 16.09.2023		Monitoring of E&S Activities/ Training programme
E	220/132kV, 2X160 MVA GIS Sankardevnagar S/S	21	11.07.2023 18.07.2023 27.07.2023 31.07.2023 17.08.2023 22.08.2023 29.08.2023 15.09.2023 20.09.2023 21.09.2023 26.09.2023	03.10.2023 11.10.2023 12.10.2023 06.11.2023 09.11.2023 12.12.2023 14.12.2023 20.12.2023 28.12.2023 30.12.2023	Monitoring of E&S Activities/ Training programme
	220/132kV, 2X160 MVA GIS Agomani S/S	11	25.07.2023 26.07.2023 22.08.2023 23.08.2023 24.08.2023 26.09.2023 28.09.2023	29.11.2023 30.11.2023 27.12.2023 29.12.2023	Monitoring of E&S Activities/ Training programme
L	Kukurmara – Sarusajai 220kV D/C line HTLS restringing	00	00		Monitoring of E&S Activities/ Training programme
M	132kV Kokrajhar to Salakati	00	00		Monitoring of E&S Activities/ Training programme
	132 kV Gossaigaon to Gauripur	3	27.09.2023 28.12.2023 30.12.2023		Monitoring of E&S Activities/ Training programme
	220kV Mariani to Namrup	00	00		Monitoring of E&S Activities/ Training programme
	220kV Mariani to Samuguri	3	24.08.2023 15.09.2023 25.09.2023		Monitoring of E&S Activities/ Training programme

Assam Intra-State Transmission System Enhancement Project, Phase-1

B. Site visit details for Transmission lines (July-December, 2023)

Package	Location	No. of Site visit	Date of Site Visit	Purpose
A	220 kV Bihpuria (New) - Sonabil (Existing) D/C	00	00	--
	LILO of 220 kV Samaguri - Mariani line at Jakhlabandha (New) S/C	00	00	--
B	LILO of 220 kV Azara – Boko (AEGCL-Existing) D/C Line at Chhaygaon	02	17.07.2023 06.12.2023	Socioeconomic survey/Land owner identification
	LILO of Samaguri (AEGCL- Existing) – Sarusajai (AEGCL-Existing) 220 kV D/C Line at Nagaon-2	00	00	-
C	132 kV LILO of Siphajhar - Rowta Transmission Line at Burhigaon GIS	02	05.07.2023 26.12.2023	Socioeconomic survey/Land owner identification
D	LILO of 220kV Samaguri - Mariani line 1 at Khumtai	00	00	---
	LILO of 132 kV Jorhat (W) - Bokakhat (Existing) at Khumtai (New) S/C Line	00	00	--
	132 kV Khumtai (New) - Sarupathar (Existing) S/C Line – 61.20 km	03	22.12.2023 27.12.2023 28.12.2023	Socioeconomic survey/Land owner identification
E	220kV D/C Transmission Line from Sankardevnagar - Misa S/S	00	00	--
	220kV LILO of both Circuit of Alipurduar – Bongaigaon (PGCIL) D/C Line at Agomoni	00	00	--

Assam Intra-State Transmission System Enhancement Project, Phase-1

C. Some photographs of the Site visit:



Photo Plate 1 – Work stopped due to continuous rain at Bihpuria S/S.



Photo Plate 2 – Unwanted bushes are trimmed down at Burhigaon S/S



Photo Plate 3 – Meeting with AEGCL, PMC & EPC officials at Khumtai S/S.



Photo Plate 4 – AEGCL and PMC officials joint site visit at Burhigaon S/S.



Photo Plate 5 – Boundary wall construction work at Khumtai S/S.



Photo Plate 6 – Borewell and pipe inspection at Khumtai S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 7 – Inspection of labour camp area at Agomoni S/S.



Photo Plate 8 – Examine the First-Aid box at Shankardevnagar S/S.



Photo Plate 9 – Blood donation camp at Sahankardev Nagar S/S



Photo Plate 10– Workers are well equipped with PPE at Nagaon-2 S/S.



Photo Plate 11 – Barricading done properly at Nagaon-2 S/S



Photo Plate 12 – Inspection of all E&S related registers and checklist at Chhaygaon S/S

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 13 – Checking of T&P use by labour at Mariani to Samuguri Line(PKG-M).



Photo Plate 14 – Electrical cables are placed overhead at Burhigaon S/S



Photo Plate 15 – Excavated pits are barricaded by caution tape at Khumtai S/S.

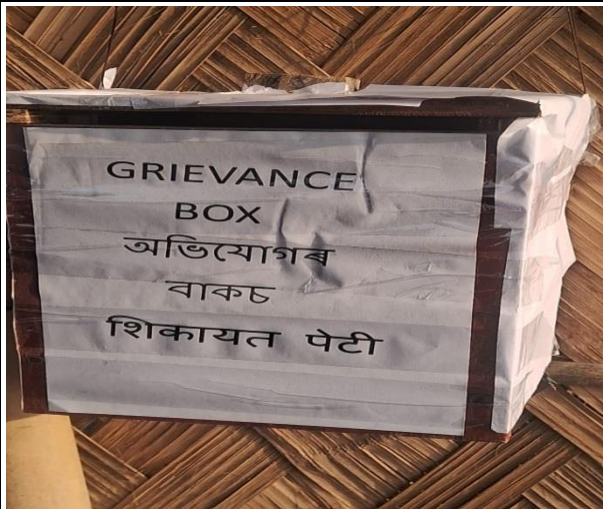


Photo Plate 16 – Grievance box placed at Khumtai S/S.



Photo Plate 17- Dustbin provided at Khumtai S/S.



Photo Plate 18 – AEGCL and PMC join site visit at Burhigaon S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plates 19 & 20 – Safety related posters are displayed at Khumtai S/S.



Photo Plate 21 – Meeting with Marangi Tea State C.O.



Photo Plate 22 - Workers are well equipped with PPE during GIS building beam casting work at Burhigaon S/S.



Photo Plate 23 – Dustbin placed in front of labour camp at Jakhalabandha S/S



Photo Plate 24 – Inspection of labour working conditions at Jakhalabandha S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 25 – Backfilling at Bihpuria S/S



Photo Plate 26 – Dewatering and cleaning in progress at Bihpuria S/S.



photo Plate 27 – Dustbin placed at Sankardevnagar S/S



Photo Plate 28 – Inspection of OPGW installation at Mariani to Samuguri line (Package-M)



Photo Plate 29 – During the line verification process at the Gouripur to Gosaigaon line (Pkg-M)



Photo Plate 30 – Joint site visit by AGM safety AEGCL and PMC at Chhaygaon S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 31 – Hon'ble MD, AEGCL and other officials along with PMC jointly site visit at Chhaygaon S/S



Photo Plate 32 – Workers are fully equipped with PPE at the Agomani site.



Photo Plate 33 – Backfilling at RE Building at Bihpuria S/S



Photo Plate 34 – Joint site visit AEGCL, PMC & EPC at Khumtai S/S



Photo Plate 35 – Earthwire dismantle and breaker recovery work in progress at Gosaigaon-Dahaligaon line (Pkg-M)



Photo Plate 36 – Fire protection available at Bihpuria S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 37 – Water filter provided at Bihpuria S/S



Photo Plate 38 – Workers' toilet erected at Bihpuria S/S



Photo Plate 39 – Excavated pits have been Barricaded at Jakhalabandha S/S.



Photo Plate 40 – Gas stove and Cylinder are provided in the labour camp at Jakhalabandha S/S



Photo Plate 41 – Workers are well equipped with PPE while working at Burhigaon S/S



Photo Plate 42 – Caution signs displayed at Nagaon S/S

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 43 –Workers are working with proper PPEs at Khumtai S/S



Photo Plate 44 – Permanent labour camp constructed at Khumtai S/S



Photo Plate 45 – Construction of labours' toilet and septic tank at Khumtai S/S



Photo Plate 46 – Excavated pits are barricaded at Sankardevnagar S/S



Photo Plate 47- EQM test at Khumtai S/S



Photo Plate 48 – Excavated pits were barricaded at Burhigaon S/S

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 49– Dustbin placed in front of labour camp at Jakhalabandha S/S



Photo Plate 50 – Well illumination system at Sankardevnagar S/S



Photo plate 51 – EQM test at Bihpuria S/S



Photo Plate 52 –E&S-related documents checked and verified at Chhaygaon S/S



Photo Plate 53 – Gas cylinder provided to labour camp at Chhaygaon S/S



Photo Plate 54 – EQM test at Chaaygaon S/S

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo Plate 55 – EQM test at Nagaon S/S



Photo Plate 56 – Water sprinkled at Burhigaon S/s approach road.



Photo Plate 57 – RO water purifier installed at Shankardevnagar S/S



Photo Plate 58 – Workers well equipped with PPEs at Agomani S/S



Photo Plate 59 – Provided identity cards to all workers at Agomani S/S



Photo Plate 60 – EQM test at Burhigaon S/S

Some Photographs of the Public Consultation and Awareness program



Photo plate 1 – Conducted public consultation near Jakhalabandha S/S



Photo Plate 2 - Community consultation at Maniari to Samuguri Line (Pkg-M)



Photo Plate 3– Public consultation near Nagaon S/s



Photo Plate 4 – Socioeconomic survey of the Azara-Boko line at Chhaygaon.



Photo Plate 5 – Public consultation near Burhigaon S/S



Photo Plate 6 – Public consultation at Jakhalabandha S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1



Photo plate 7 – Conducted public consultation near Jakhalabandha S/S



Photo Plate 8 - Community consultation near Agomani S/S

Some Photographs of the Training Program



Photo Plate 1 – EHS training program at Agomani site.



Photo Plate 2 - Conducted EHS&S training program at Khumtai S/S



Photo Plate 3- EHS&S training program at Khumtai S/S.



Photo Plate 4 - Training programme conducted jointly by EPC and PMC for the workers on the occasion of World Water Week 2023: Reuse of grey water at Shankardev Nagar S/S.

Assam Intra-State Transmission System Enhancement Project, Phase-1

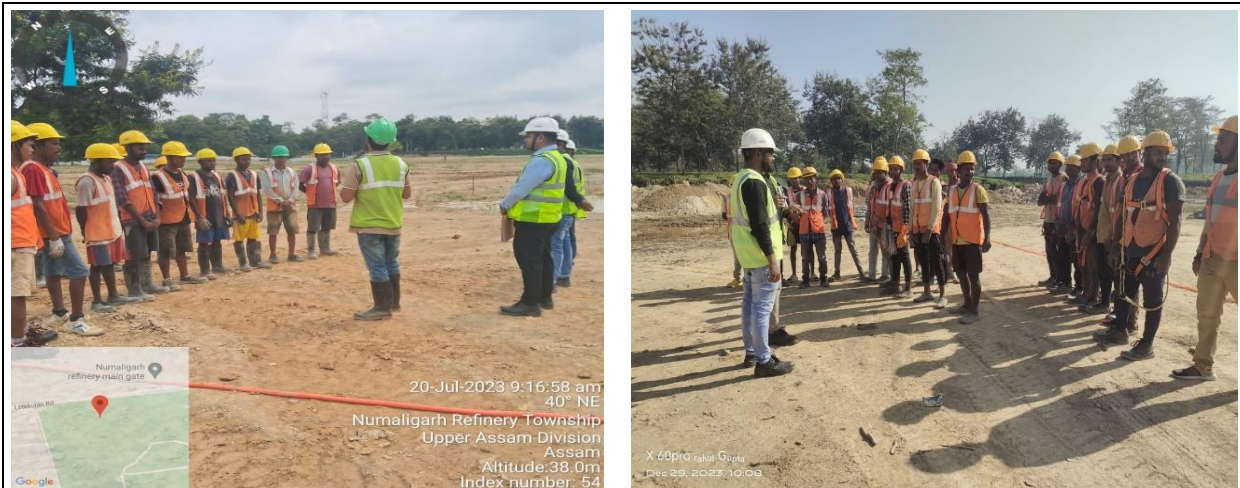


Photo Plate 5 – EHS&S training programme at Khumtai S/S

Some photographs of the Socio-Economic Survey and Joint Land Detail Survey:



Photo Plate 1 & 2 – Land owner Identification survey of Sipajhar- Rowta T/L at Burhigaon.



Photo Plate 3 & 4 – Socio-Economic survey of LILO line of Nagaon-2.

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 2: Attendance sheets for some of the consultations

Attendance Sheet of awareness program with the local community near
Jakhlabandha S/s

Date: 29/09/2023

Attendant Sheet of Public Consultation
(LIST OF PARTICIPANTS) Date: 29.09.2023

SL. NO	Name	Age	Sex (M/F)	IP (Y/N)	Education	Occupation	Project Affected (yes/No)	Signature
1	Pashan Ali	25	M	NO	10 th Passed	Cultivation	NO	Pashan Ali
2	Mukesh Ali	24	M	N	9 th Passed	Cultivation	NO	MUKESH Ali
3	Babu Ali	29	M	N	5 th Passed	Cultivation	NO	बाबु अलि
4	Habisa Khatun	36	F	N	8 th Passed	Housewife	NO	হাবিসা খাতুন
5	Apriy Khatun	32	F	N	8 th Passed	Housewife	NO	অপ্ৰিয় খাতুন
6	Maina Khatun	35	F	N	5 th Passed	Housewife	NO	মেইনা খাতুন
7	Mayoi Begom	32	F	N	8 th Passed	Housewife	NO	মায়ী বেগম

Assam Intra-State Transmission System Enhancement Project, Phase-1

Attendance Sheet of Training Program on Environmental, Health, Safety and Social aspects at Sankardev Nagar S/s



ASSAM INTRA STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendant Sheet of EHS Training Programme

Name of the Sub: Sankardev Nagar S/S.

Project: Assam Intra-State Transmission System Enhancement Project

Date: 27/07/2023

Venue: Sankardev Nagar.

Sl.No	Name	Designation	Contact Number	Signature
1	Moinul Hogue	Mason	8822361981	moinul
2	Ajman Sarkar	Mason	8822132561	Ajman
3	Alimuddin Shukh	Helper	"	Alimuddin
4	Chandan Malakar	Mason	"	CHANDAN
5	Surajit Malakar	Helper	"	SURAJIT
6	Dheto Langthara	Mason	8361500851	Dheto
7	Utpal Jorhari	Mason	"	UTPAL
8	Rinku Birwal	Helper	"	RINKU
9	Alina Ali	Helper	8833364134	ALINA
10	Hanifuddin	Helper	9864262139	HANIFUDDIN
11				
12				
13				
14				
15				

Assam Intra-State Transmission System Enhancement Project, Phase-1

Attendance Sheet of awareness program with local community near Nagaon-2 S/s


LIST OF PARTICIPANTS

Consultations with Females and other vulnerable

SL. NO	Name	Age	Sex (M/F)	IP (Y/N)	Education	Occupation	Project Affected (yes/No)	Signature
1	Alimun Nersa	34	F	N	H.S.L.C Pass	House wife	No	আলিমুন নেরসা
2	Jarina Khatun	32	F	N	H.S Pass	Housewife	No	Jarina Khatun
3	Mahatab Ali	63	M	N	IX	Farmer	No	MAHATAB
4	Halima Khatun	21	F	N	VIII	House wife	No	হালিমা খাতুন
5	Ramina Khatun	23	F	N	H.S.L.C Pass	House wife	No	রামিনা খাতুন
6	Jarimun Nersa	20	F	N	VII	House wife	No	জারিমুন নেরসা
7	Harezha Khatun	39	F	N	IX	Housewife	No	হারেজা খাতুন

Assam Intra-State Transmission System Enhancement Project, Phase-1

Attendance Sheet of public consultation with the local community near Agomani S/S


ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendance Sheet: Awareness program on Environmental health safety and Social aspects

Date..... 30.11.2023 Venue..... Near Agomani S/S

SL. No.	Name	Designation	Signature
1	Hikmat Ali		হিকমত আলি
2	Suman Ali		সুমন আলি
3	Rikmat Ali		রিকমত আলি
4	Robin Ali	Villagers.	Robin Ali
5	Nilchan Ali		নিলচান আলি
6	Hikmatullah Ali		হিকমতুল্লাহ আলি
7	Khagmur Ali		খাগমুর আলি

Assam Intra-State Transmission System Enhancement Project, Phase-1

Attendance Sheet of the Training program on EHS&S aspects at Agomani S/s



ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendance Sheet: Training Program on Environmental, Health, Safety and Social aspect

Date 26/07/2023Venue 220 KV Agomani S/S

SL No	Name	Designation	Contact Number	Signature
1	Jahar Aoi	Unskill		CAV JAT
2	Salim Aoi	Skill		Salim Aoi
3	Sabinus Aoi	Gas handler		Sabinus Aoi
4	Haxadon Gosh	Skill		Haxadon Gosh
5	Rupak Gosh	Unskill		RUPAK GOSH
6	birolal Pant	Unskill		BIROL PANT
7	Dongkha Das	Skill		Dongkha Das
8	Akash Das	Unskill		AKASH DAS
9	Arjun Das	Skill		Arjun Das
10	Mohoj Das	Unskill		Mohoj Das
11	Sahab Bora	"		Sahab Bora
12	Sanjay Aich	"		Sanjay Aich
13	Shorip Aoi	Supervisor		Shorip Aoi
14	Tadosh Gosh	Unskill		Gnagar (Gosh)

15. Komal Saikia Unskill

26/07/2023

16. Bijit Barua

Env. In-charge 98285286

23


17. Md. Imran


OHS officer 979700198

Imran

Assam Intra-State Transmission System Enhancement Project, Phase-1

Attendance Sheet of Training program on EHS&S aspects at Khumtai S/s





ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendance Sheet: Training Program on Environmental, Health, Safety and Social aspect

Date: 26/12/2023
 Venue: Khumtai S/S, 220/132/33 KV G/L, S/S.

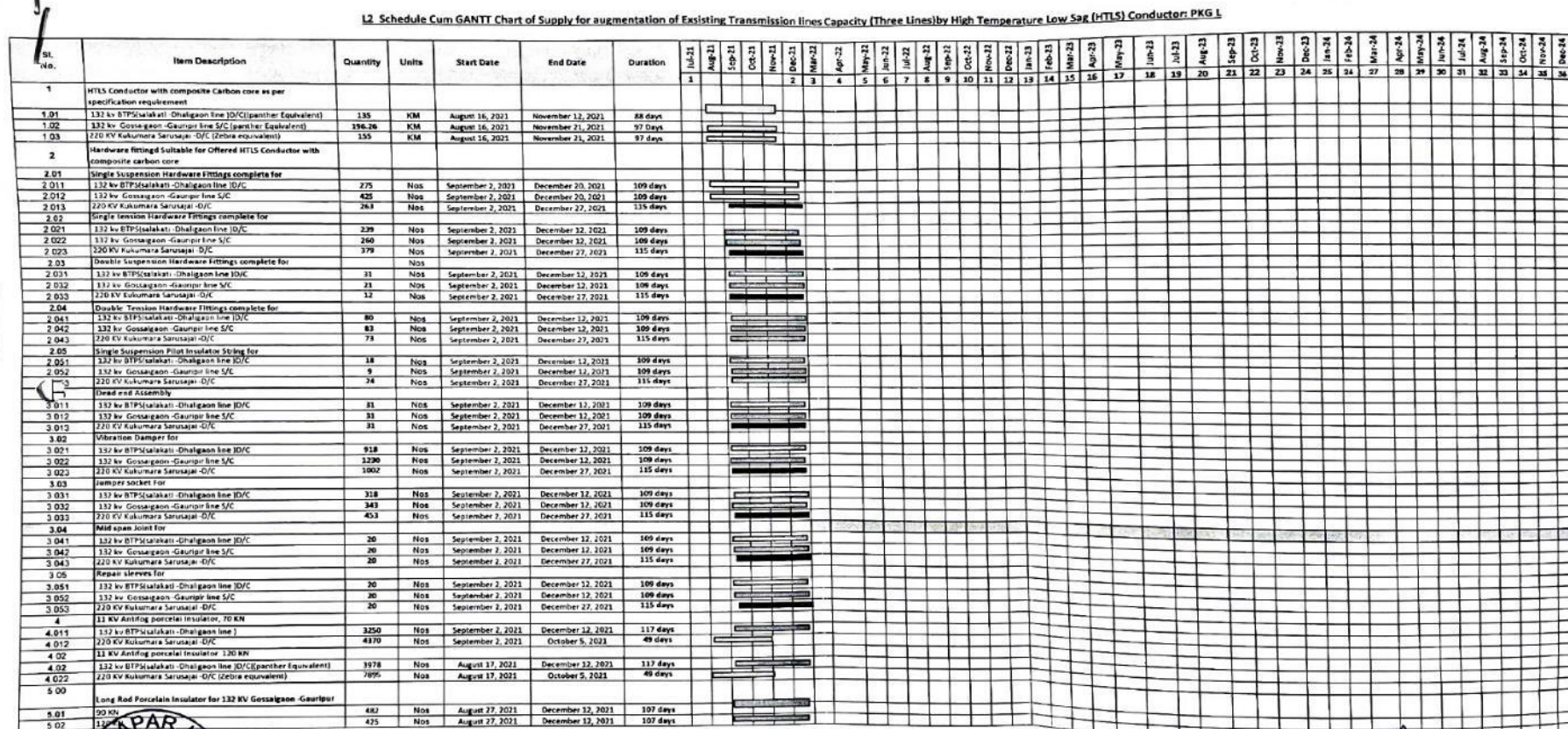
SL. No	Name	Designation & Organization	Contact Number	Signature
1	Abdul Shahid Sheikh	M AZ	9401010000	Abdul Shahid Sheikh
2	Nure Alam	L		Nure Alam
3	Shohidur Rahman	L		Shohidur
4	Moshior Rahman	M		Moshior
5	Motior Rahman	L		Motior
6	Aminur Rahman	M		Aminur
7	Mohalab	L		Mohalab
8	Mominur Hoque	L		Mominur
9	Rakash choudhary	L		RAKASH CH
10	Qasem Ali	M		Qasem
11	Bisnu choudhury	L		Bisnu
12	Mohidur Rahman	M		Mohidur
13	Mopijul Hoque	M		Mopijul
14	Sureat Jamal	L		Sureat Jamal
15	Ohab Ali	L		Ohab Ali
16	Azimuddin	L		Azimuddin

EPC Safety Supervisor

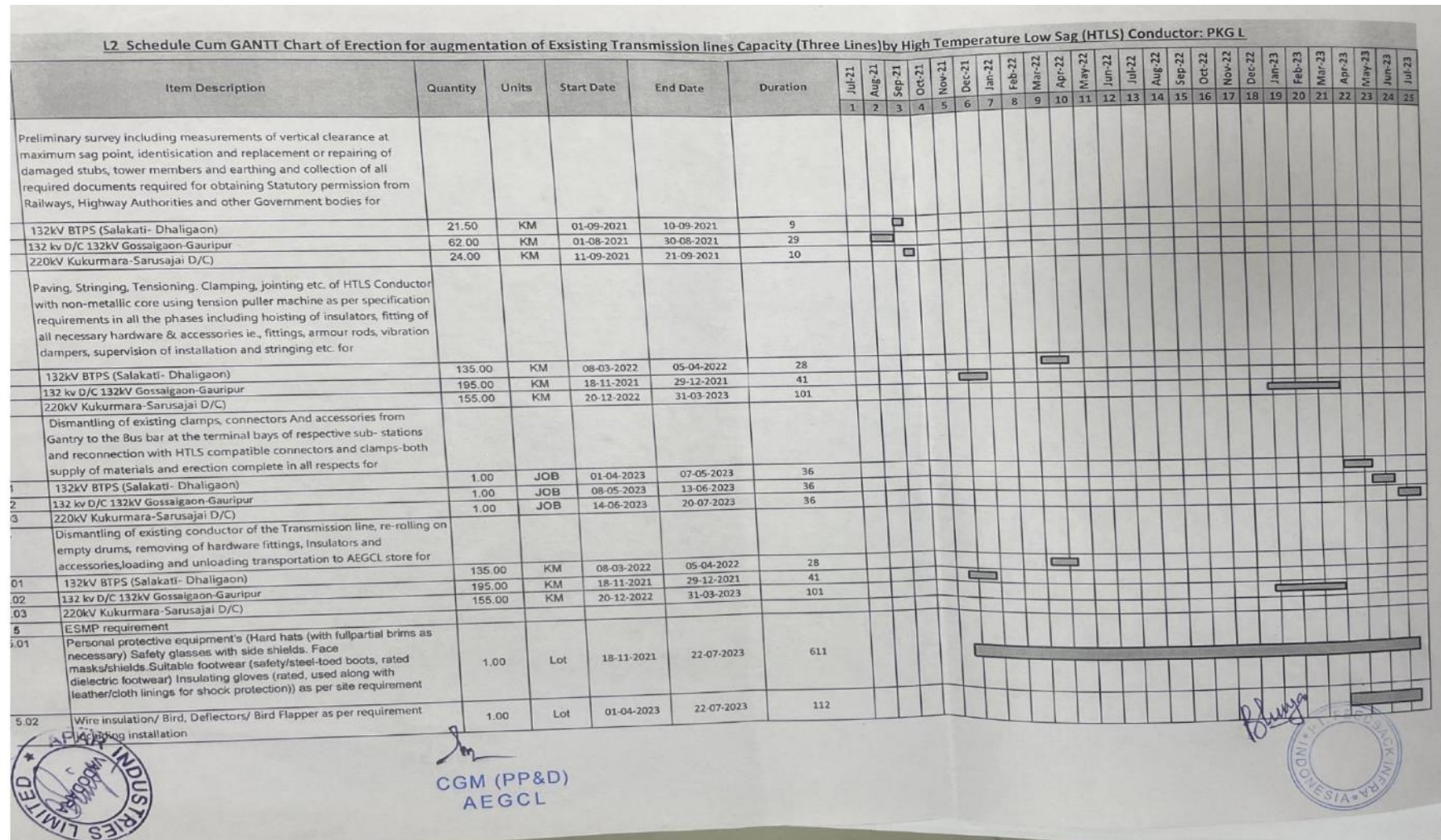


Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 3: Sample copy of project site-specific Gantt chart (L2 Schedule)



Assam Intra-State Transmission System Enhancement Project, Phase-1



Appendix 4 – Sample copy of Consent to Establish (CTE) of Crusher

**POLLUTION CONTROL BOARD, ASSAM
BAMUNIMADAM, GUWAHATI – 21**



No.WB/GUW/IT-2126/11-12/51

Dated Guwahati, 15/11/11

1168

"CONSENT TO ESTABLISH"

Provisional "CONSENT TO ESTABLISH" is hereby granted to M/s. Meghalaya Infra for setting up a stone chips, grits & stone dust production unit with production capacity 30(thirty) TPH at village Patgaon, P.O. Rani, P.S. Palashbari, Dist. Kamrup (Assam) under the following terms & conditions:-

1. No Air, Water, Soil pollution shall be created by the industry beyond the permissible limits prescribed by the Board. The industry would incorporate adequate pollution control measures before they put the plant into operation.
2. To maintain the environment and ecology in the area provisions for planting selected species of tree within the compound and approaches along with provisions for park, garden and fountain shall have to be made. Massive afforestation will have to be made by the industry in the factory and township if any.
3. As per provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 any officer, employed by this Board on its behalf shall without any interruption, the right at any time to enter the industry for inspection, to take samples for analysis and any call for any information etc. violation of this right will be withdrawal of this permission.
4. As per provisions of the Act, regular monitoring is to be done by the industry from the location/points fixed by the Board and the report to be submitted to the board monthly.
5. Effluent carrying drains must be segregated from storm water drain and effluent must be disposed in effluent pond in no case effluent will be allowed to discharge into nearby nullah/natural water course etc. without treatment and bringing it within permissible limits fixed by the Board.
6. Standard linings on flat embankment of effluent pond shall have to be provided to prevent and control of overflow seepage and leakage of effluent to the nearby areas.
7. To regularise the subsequent, the legal provisions of "Consent to Operate" as per Act and Cess Returns as per Cess Act, 1977 shall have to timely adhered to.
8. Gaseous pollution due to the burning of fuel to run engine boiler, etc. should be controlled by adopting preventive measures adequately.
9. Solid waste that arises during the operation should be properly graded and disposed of scientifically without causing nuisances.
10. For Low lying areas, special care is to be taken by the industry to prevent any overflow, seepage and leakage of effluent.
11. For warning (Alarm, Siren) is to be installed by the unit to guard against accidental pollution/ mishap together with fire fighting devices.

Contd/- 2..

-2-



12. All pipe connection, Joints; fittings etc. in the factory and plant are to be frequently checked and shall be leak proof all the time.
13. Proper housekeeping and adequate maintenance has to be ensured/ enforced as per provisions of Acts.
14. All unwanted Toxic Chemical/Fluid/Gases are to be neutralized and flared up as necessary.
15. Production process is to be monitored and in the event of danger immediate shut down is to be ensured by the industry.
16. Provisional "CONSENT TO ESTABLISH" has been issued basing on the particulars furnished by the applicant and subject to imposition to further/more conditions if warranted by the subsequent development.
17. Provisional "CONSENT TO ESTABLISH" is valid till the date of commissioning of the unit.
18. Healthy working environment for the worker must be maintained and there should not be health Hazard to the workers for in adequate arrangement for ventilation, dust removal arrangements should be adequate and full proof for the health of the workers. Their health should be regularly monitored.
19. The unit must submit compliance report of action taken on the conditions given by the Board before commissioning the unit.
20. Adequate trees should be planted and maintained in the vacant space of the premises and all around the factory and township if any.
21. The Board will be at liberty to withdraw the "CONSENT TO ESTABLISH" at any time without notice, if necessary steps for prevention of pollution and prevention of environment is not taken by the industry as per mentioned conditions.
22. This issuance of the "CONSENT TO ESTABLISH" does not convey any property right in their real or personal property or any exclusive privileges nor does it authorize any injury to private property nor any invasion right any infringement of Central, State or Local Laws or Regulations.
23. The "CONSENT TO ESTABLISH" does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse except of the works specially instructed herein.
24. All steps are to be taken by the industry to control the dust to that it does not go outside the factory.
25. Water sprinkling arrangement around the periphery to the unit should be installed & while the unit will operate the sprinkler operation should also be operated.
26. The industry is to fully enclose the roll crusher with dust extraction from close to mills.
27. The industry is to provide dust extraction arrangement at all transfer points.
28. The industry is to make water-spraying arrangement for the finer product.
29. The industry will always keep it wet the finer product.
30. Necessary steps are to be made to minimize noise.

N/A

Contd/-3....

-3-



31. The factory must be away from residential areas and as well as 500 M. away from N.H.
32. Proper safe drinking water supply and sanitary facilities are to be provided to the workers.
33. The "CONSENT TO ESTABLISH" is valid from the date of issue of the "CONSENT TO ESTABLISH". The "CONSENT TO ESTABLISH" will be automatically cancelled if the industry violates this condition.
34. The stone-crushing unit should strictly follow the following standards for suspended particulates matter.
The standards consist of two parts
 - i) Implementation of the following pollution control measures:-
 - a. Dust containment cum suppression system for the equipment.
 - b. Construction of wind breaking walls.
 - c. Construction of the metallic roads within the premises.
 - d. Regular cleaning and wetting of the ground within the premises.
 - e. Growing of a green belt along the periphery.
 - ii) Quantitative standard for SPM :-
The suspended particulate matter measured between 3 to 10 meters from any process equipment of a stone-crushing unit shall not exceed $600\mu\text{g}/\text{m}^3$.

Sa/-
Member Secretary

Memo No.WB/GUW/T-2128/11-12/51 - A,

Dated Guwahati,

Copy to:

- 1) M/s. Meghalaya Infra, Village - Patgaon, P.O.- Rani, P. S. - Palashbari, Dist. Kamrup (Assam) for information & necessary action. The "CONSENT TO ESTABLISH" is valid subject to fulfillment of above terms & conditions and subject to obtaining necessary permission from other Competent Authorities.
- 2) Deputy Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur, Guwahati - 6 for favour of information.
- 3) Deputy Commissioner, Kamrup District for favour of information.
- 4) The General Manager, DI & CC, Kamrup for favour of information.
- 5) The Sr. Env. Engineer, Regional Office, Guwahati; Pollution Control Board, Assam for information & necessary action. The "CONSENT TO ESTABLISH" is valid subject to fulfillment of above terms and conditions also subject to obtaining necessary permission from other Competent Authorities. This has a reference vide letter No.APCB/ROG/T-3998/11-12/28/423 dtd. 14/10/2011.

12.09.11 05.11.11
Member Secretary

Appendix 5 – Sample copy of Consent to Operate of Crusher



Pollution Control Board::Assam
Bamunimaidam; Guwahati-21
 (Department of Environment & Forests :: Government of Assam)
 Phone: 0361-2652774 & 2550258; Fax: 0361-2550259
 Website: www.pcbassam.org



No. WB/RONG/T-600/2019-20/29

Dated Guwahati, the 16th, November, 2022**CONSENT TO OPERATE**

“CONSENT TO OPERATE” (CTO) under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 as amended and Rules framed thereunder, is granted to-

- i) Name of Unit : M/s. RA Stone Crusher.
- ii) Name of the Occupier / : Ramjan Ali, Proprietor.
- Applicant and Designation
- iii) Address of the unit : Bheloguri, Modertoli, Hojai,
Assam-782440
- iv) Cost of the project : 31.0Lakhs
- v) Types & Category of the : Stone Crusher
Project (Orange category)
- vi) Source of Raw Materials :

Raw Materials	Source
Stone boulder	Bipin Stone Mahal, Hojai

- vii) Details of the Project :

Sl. No.	Type of Crusher	Capacity
1	Jaw Crusher	1x20 TPH

- viii) Details of Products :

Sl No.	Products	Capacity
1.	Stone Chips and Dust	4000 MT/Month


TERMS AND CONDITIONS:

1. This CTO has been accorded based on the particulars furnished by the applicant vide Application ID: **1547052** and subject to addition of further more conditions if so warranted by subsequent developments. The CTO will automatically become invalid if there is any changes, modification, alteration, expansion or deviation made in actual practice without prior permission of the Board.
2. The CTO is valid for a period up to **31.03.2025**.
3. The CTO may be modified, suspended in whole or in part or withdrawn by the Board during its term for cause including, but not limited to the following:-
 - a) Violation of any Terms and Conditions of this CTO;
 - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
 - c) If any complaint received;
4. The unit shall obtain prior 'Consent to Establish' from the Board for any further expansion, alteration, modification, modernization of the project.
5. The project Authority should install a display Board as per the Board's Notification No. PCBA/AGI-95/20-21/Notification/01 dtd.11.11.2021 (Appendix-A).
6. Proper housekeeping shall be maintained. **Burning of any waste inside the premises is strictly prohibited.**
7. The project proponent shall develop a greenbelt/plantation area with native trees covering at least 33% of the total plot area.
8. **The unit shall install a 10 ft. height permanent boundary line/partition wall with Tin/Asbestos sheet or other non-porous partition material with installation of permanent boundary posts.**

Contd....P/2

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 6 – Sample copy of Environmental Clearance of Stone Quarry


STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ASSAM
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, GOVT OF INDIA
BAMUNIMAIDAM, GUWAHATI 781021, ASSAM.

No. SEIAA.1237/2020/EC/33 / 1500 Dated: 8/9/2021

Proposal No. SIA/AS/MIN/140422/2020

To ✓ Vinod Kumar Kabra,
Nagaon,
P.O. Nagaon,
Dist : Nagaon, Assam

Sub: - Environment Clearance for collection of Stone from "Borjuri P.P. Land No.3 Stone M.C. Area" under Karbi Anglong East Forest Division, Diphu, Dist: Karbi Anglong, Assam by Vinod Kumar Kabra.

This has reference to your application for Environmental Clearance dtd. 22/01/2021 along with Form-1M, Form-1, Mining Plan, D.F.O. letter, land documents and other relevant documents for collection of Stone from "Borjuri P.P. Land No.3 Stone M.C. Area" under Karbi Anglong East Forest Division, Diphu, Dist: Karbi Anglong, Assam.

The quantity of Stone to be collected is:

1. Stone: 1,50,000 (One Lakh Fifty Thousand) cu.m stone from the proposed location within three (3) years and 50,000 (Fifty Thousand) cu.m stone per year.
2. Total Allotted area: 2.67 Ha.

The collection of Stone shall be extracted from the area of the GPS Co-ordinates as per mining plan as mentioned below:

<u>Longitude (East)</u>	<u>Latitude (North)</u>
1. E- 92°57'04.8"	N- 26°23'41.7"
2. E- 92°56'53.3"	N- 26°23'41.1"
3. E- 92°57'04.9"	N- 26°23'44.5"
4. E- 92°56'53.3"	N- 26°23'44.6"

The Stone shall be collection manually/semi mechanized way from "Borjuri P.P. Land No.3 Stone M.C. Area" under Karbi Anglong East Forest Division, Diphu, Dist: Karbi Anglong, Assam.


The proposal was examined and processed in accordance with EIA Notification 2006 and its amendment thereof. The State Level Expert Appraisal Committee (SEAC), Assam examined the documents of the proposal for extraction of Stone at its meeting held on 07/08/2021. Accordingly the application was discussed and thoroughly scrutinized by the SEAC and found that the project falls under 1(a) and considered as B₂ Category of EIA Notification 2006 and subsequent amendment. The Committee recommended the project to the SEIAA, Assam for issuance of Environmental Clearance.

Based on the recommendation of the SEAC, the State Environment Impact Assessment Authority, Assam (SEIAA) considered the proposal in its meeting held on 24/08/2021 and accords Prior Environmental Clearance to the project as mentioned above under the provision of EIA notification 2006 and its subsequent amendments issued under Environment Protection Act 1986 subject to compliance of following specific and general conditions.

The operational area of mining must be confined to the given 2.67 Ha area bound by the coordinates mentioned above and there shall not be any other area of mining contiguous to this. The project proponent is to submit a declaration in writing to this effect before commencement of the work.

I. Specific Conditions:


1. The legal status of the mining area remains unchanged.


 Member Secretary
 State Level Environment Impact
 Assessment Authority, Assam.
 Bamunimaidam, Ghty-21

Page 1 of 4

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 7 – Sample copy of Environmental Clearance of Sand Quarry


GOVERNMENT OF ASSAM
DEPARTMENT OF ENVIRONMENT & FORESTS, ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER: NAGAON DIVISION NAGAON
Phone & Fax No. 03672-233610 **Email ID- dfonagaont@gmail.com**

Letter No. FNGT/B/74 (Part- I)/Nisari Sand Permit Area No. 1 (A)/2023/ **3875** Dated- **13/04/2023**

To,
The Chairman,
State Environment Impact Assessment
Authority (SEIAA), Bamunimaidum, Guwahati.

Subject: Issuance of EIA Clearance Certificate in respect of Nisari Sand Permit Area No. 1 (A) under Kathiatoli Range, Kathiatoli.

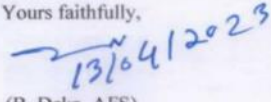
Reference: The Director, Directorate of Geology & Mining Assam's letter No. GM/MM/86-B (40)/Pt. IV/202-05, dtd. 10/04/2023.

Sir,
With reference to the subject cited above, I have the honour to inform you that the Director, Directorate of Geology & Mining Assam, Guwahati- 19, has issued a Mining Plan on 10/04/2023 in respect of "Nisari Sand Permit Area No. 1 (A)" under Kathiatoli Range, Kathiatoli of this Division in favour of Divisional Forest Officer, Nagaon Division, Nagaon for Minor Mineral Material Sand in respect of Departmental Works as well as Tender etc. under Nagaon District.

Therefore, I request you kindly to issue an EIA Clearance for the said Mining Contract Area against 28,000 m³ of Sand. The original copy of Mining Plan approved by the Director, Directorate of Geology & Mining Assam, dtd. 10/04/2023 are enclosed herewith for your kind information and necessary action.

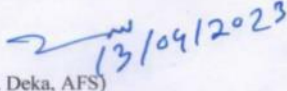
This is for favour of your kind information and necessary action

Enclosed: 1. Mining Plan (1 No.).
2. Schedule "A" (1 No.).



Yours faithfully,

(B. Deka, AFS)
Divisional Forest Officer,
Nagaon Division, Nagaon

Memo No. FNGT/A/74 (Part- I)/Nisari Sand Permit Area No. 1 (A)/2023/ **1465-67** Dated- **13/04/2023**
Copy forwarded for favour of his kind information and necessary action to:-

1. The Principal Chief Conservator of Forests & Head of Forest Force, Assam, Panjabari, Guwahati- 37.
2. The Addl. Principal Chief Conservator of Forests (T), Upper Assam Zone, Jorhat- 1.
3. The Conservator of Forests, Northern Assam Circle, Tezpur, Assam.


(B. Deka, AFS)
Divisional Forest Officer,
Nagaon Division, Nagaon

Appendix 8– Sample copy of Tree Cutting Permission

 GOVERNMENT OF ASSAM DEPARTMENT OF ENVIRONMENT & FORESTS OFFICE OF THE DIVISIONAL FOREST OFFICER KAMRUP WEST DIVISION :: BAMUNIGAON :: 781141	
<i>E-mail: dfo-kamrup-west@gov.in</i>	
Letter No. B/TIM/AEGCL/ 3093	Dated: 17-6-22
To, The Range In-Charge, Bamunigaon Range, Bamunigaon	
Sub: Permission for clearing of 79 Nos. of trees present in the premises of land allotted for construction of 220/33kV, 2X100 MVA GIS substation at Industrial Growth Center, 2 No. Jambari & submission of base marking report thereof.	
Ref: (1) This office letter No. B/TIM/AEGCL/2713 dtd. 26.05.2022 (2) Deputy General Manager, Mirza T & T Circle, AEGCL, Mirza letter No. AEGCL/DGM/MIRZA/T&P/Tech-8/2022/114 dtd. 15.06.2022	
<p>With reference to the above, it is to inform you that Assam Electricity Grid Corporation Limited has deposited the compensatory afforestation cost for raising 0.16 Ha plantation amounting to Rs. 39,147.00 (Rupees Thirty nine thousand one hundred forty seven) only against the land allotted for construction of 220/33kV, 2X100 MVA GIS substation at Industrial Growth Center, 2 No. Jambari and informed this end that the felling can be executed by the field officers of AEGCL under the supervision of staff from this Division. Hence you are hereby directed to depute Md. Nurul Hassan Saikia, Fr-I for this purpose and to ensure that felling should happen as per existing rules and regulation.</p> <p>Furthermore all the logs should be brought to the Range Headquarter for e-auction of the same.</p> <p>This matter may be treated as most urgent.</p>	
<p>(Smt. Dimpri Bora, IFS) Divisional Forest Officer, Kamrup West Division, Bamunigaon.</p>	
<p>Copy to the Deputy General Manager, Mirza T & T Circle, AEGCL, Mirza for information and necessary action.</p>	
<p> Divisional Forest Officer, Kamrup West Division, Bamunigaon.</p>	

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 9 – Sample copy of PUC certificate

Form 59
(See rules 115 (2))

Pollution Under Control Certificate
 Authorised By :
 Government of Assam

Date : 14/08/2023
 Time : 12:45:14 PM
 Validity upto : 13/02/2024

Certificate No. :
 Registration No. : AS02500550005115
 Date of Registration : AS25E2269
 Month & Year of Manufacturing : 02/Mar/2016
 Valid Mobile Number : December-2015
 Emission Norms : Bharat Stage III
 Fuel : BHAARAT STAGE III
 PUC Code : DIESEL
 GSTIN : AS0250055
 Fees : Rs.110.00
 (GST to be paid extra as applicable)
 MFL observation : No

Vehicle Photo with Registration plate
 60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.52

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov>

Authorised Signature with stamp of PUC operator
 60mm x 20 mm

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 10 – Sample copy of Medical Tie up

 OPGW-AEGCL-ASSAM Project

To,
Chief Superintendent Officer
RNB Civil Hospital,
Gosaigaon, Kokrajhar
Assam, 783360

Project- 132kv Gossaingaon to Dhaligaon (OPGW AEGCL ASSAM)

Subject- Application for Medical Tie up

Dear Sir,

- Our company M/s Sterlite Power Transmission Limited is executing a transmission line OPGW Dismantle project of OPGW AEGCL under contract basis. Workmen are working near to Gosaigaon to Dhaligaon area. Since this high-risk activity following emergencies (snake bite, electrocution, road accident and other common incident) may happen at site.


In this regard I would like to have a tie up for Medical care for any site emergencies (in case of any first aid or accident happens at site, we will bring the injured person to your hospital by Our vehicle)

Thanking you and assuring you for best service and attention always.

For, Sterlite Power Transmission Limited

Project Manager
Mr Subhajit Bera




19/1/23
Superintendent
R.N.B. Civil Hospital Gossaigaon
Dist. Kokrajhar BTAD(Assam)

	Certificate of Medical Examination MSI Projects	Doc No.: SPTL-MSI-HSE-FR-05 Ver. No.: 02, Rev. No: 00 Rel. Date: 26/07/2022
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CERTIFICATE OF MEDICAL EXAMINATION

For workmen engaged by contractors / sub-contractors

Certificate Sr. No. _____ Name <u>Rafikul Sekh</u> Father's Name <u>Nuhu Sekh</u> Identification Mark <u>cut on left hand</u> Residence Address <u>Ramrajy Malda</u>	Date <u>10-04-2023</u> DOB <u>01/11/1995</u> Gender <u>male</u> Aadhaar No. <u>3586 6598 1030</u>
--	--

TO BE ANSWERED BASED ON EMPLOYEE'S / WORKER'S DECLARATION

1. Any occupational disease / injury suffered by the worker / employee in the past? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N 2. Employee / worker ever been discharged / rejected on medical grounds in the past? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N 3. Nature of work undertaken by the worker / employee in the past: _____ 4. Diseases / health issues ever suffered by the worker / employee in the past: <table style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 40%;">- Heart Disease</td> <td style="width: 10%; text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td style="width: 40%;">- Ear, Nose and Throat Issues</td> <td style="width: 10%; text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Diabetes</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Respiratory System Issues</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Hypertension</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Circulatory System Issues</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Asthma Chronic / Lung Disease</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Nervous System Issues</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Tuberculosis</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Gastro-Intestinal System Issues</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Dermatitis / Skin Disease</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Genito-urinary system Issues</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Epilepsy / Fits / Fainting / Dizziness</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any other illness: <u>no</u></td> <td></td> </tr> <tr> <td>- Chronic Abdominal / Digestive Disorder</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any major injury: <u>no</u></td> <td></td> </tr> <tr> <td>- Hepatitis-B</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any physical disability: <u>no</u></td> <td></td> </tr> <tr> <td>- Colour Blindness</td> <td style="text-align: center;"><input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any allergy: <u>no</u></td> <td></td> </tr> </table>	- Heart Disease	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Ear, Nose and Throat Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Diabetes	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Respiratory System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Hypertension	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Circulatory System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Asthma Chronic / Lung Disease	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Nervous System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Tuberculosis	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Gastro-Intestinal System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Dermatitis / Skin Disease	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Genito-urinary system Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Epilepsy / Fits / Fainting / Dizziness	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Any other illness: <u>no</u>		- Chronic Abdominal / Digestive Disorder	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Any major injury: <u>no</u>		- Hepatitis-B	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Any physical disability: <u>no</u>		- Colour Blindness	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Any allergy: <u>no</u>		5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ 11. _____ 12. _____ 13. _____ 14. _____ 15. _____ 16. _____ 17. _____ 18. _____ 19. _____ 20. _____ 21. _____ 22. _____ 23. _____ 24. _____ 25. _____ 26. _____ 27. _____ 28. _____ 29. _____ 30. _____ 31. _____ 32. _____ 33. _____ 34. _____ 35. _____ 36. _____ 37. _____ 38. _____ 39. _____ 40. _____ 41. _____ 42. _____ 43. _____ 44. _____ 45. _____ 46. _____ 47. _____ 48. _____ 49. _____ 50. _____ 51. _____ 52. _____ 53. _____ 54. _____ 55. _____ 56. _____ 57. _____ 58. _____ 59. _____ 60. _____ 61. _____ 62. _____ 63. _____ 64. _____ 65. _____ 66. _____ 67. _____ 68. _____ 69. _____ 70. _____ 71. _____ 72. _____ 73. _____ 74. _____ 75. _____ 76. _____ 77. _____ 78. _____ 79. _____ 80. _____ 81. _____ 82. _____ 83. _____ 84. _____ 85. _____ 86. _____ 87. _____ 88. _____ 89. _____ 90. _____ 91. _____ 92. _____ 93. _____ 94. _____ 95. _____ 96. _____ 97. _____ 98. _____ 99. _____ 100. _____
- Heart Disease	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Ear, Nose and Throat Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N																																						
- Diabetes	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Respiratory System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N																																						
- Hypertension	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Circulatory System Issues	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N																																						
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- Colour Blindness	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	- Any allergy: <u>no</u>																																							

PARAMETERS EXAMINED BY MEDICAL INSPECTOR

Height <u>160</u>	Blood Pressure <u>120/80</u>	Blood Sugar Level <u>99</u>
Weight <u>55kg</u>	Heart Rate <u>84</u>	Vision <u>plm</u>

I hereby certify that I have personally examined (name) Rafikul Sekh son / daughter / wife of Nuhu Sekh residing at _____ who is desirous of being employed in building and construction work and his / her age as nearly as can be ascertained from my examination is _____ years and that he / she is fit from employment in height work, driving / equipment operation and other construction activities as an adult / adolescent.

Reason for - _____

(1) Refusal of certificate: _____

(2) Certificate being invoked: _____

Rafikul Sekh

Signature / Left Hand Thumb Impression of Worker

Mr. K. Bora

(Signature with Stamp) Medical Inspector / CMO

Stamp: Mr. K. Bora, MO, NCD, Morang, Jor, CHC, Dist. - Dibrugarh

NOTE:

- Exact details of cause of physical disability should be clearly stated.
- Functional / productive abilities should also be stated if disability is stated.

Appendix 12**POST MONSOON ENVIRONMENTAL QUALITY MONITORING STATUS OF ALL
PACKAGES UNDER AIIB-AISTSEP Phase-I****Date: 31th December 2023**

Package Name	Substation Name	2023
		Post-Monsoon
A	Jakhalabandha	Complied (30-11-2023)
	Bihpuria	Complied (11-12-2023)
B	Chhaygaon	Complied (29-12-2023)
	Nagaon-2	Complied (27-12-2023)
C	Burhigaon	Complied (26-12-2023)
D	Khumtai	Complied (30-12-2023)
E	Sankardevnagar	Complied (08-12-2023)
	Agomoni	Complied (06-12-2023)
F	Gohpur	Not yet conducted

Assam Intra-State Transmission System Enhancement Project, Phase-1

Appendix 13
Forest diversion proposal of 14.28 Ha Forest Land of 400 kV S/C Silchar Byrnihat TL for Sonapur Substation

ENF-13023/36/2023-ENV./FOREST-Environment & Forest Department

I/359969/2023

GOVERNMENT OF ASSAM
ENVIRONMENT AND FOREST DEPARTMENT
JANATA BHAWAN, DISPUR, GUWAHATI-6

eCF No.381903/38

Dated Dispur, the 07 December, 2023

From : Shri Trinayan Das, ACS,
Under Secretary to the Govt. of Assam.

To : The Scientist-'E',
Government of India,
Ministry of Environment, Forest & Climate Change,
Sub office, Guwahati,
4th Floor, Housefed Building,
G.S Road, Rukminigaon, Guwahati-781022

Sub : Forest diversion proposal of 14.28 Ha forest land for construction of 400 KV s/c Silchar-Byrnihat Transmission line in West Aprikola Reserved Forest under Kamrup East Division, Basistha in favour of AEGCL –reg.

Ref : Government of India letter F. No.3-AS B/188/2023/GHY/4737-38 dated 16.10.2023.

Sir,

In inviting reference to your letter on the subject cited above, I am directed to furnish herewith the following additional information/document as sought vide letter under reference for favour of your kind information and necessary action: -

Govt. of India letter No 3-AS B/188/2023/GHY/4737-38 dated 16.10.2023	Information Provided
Condition No. (1)	In the District of Kamrup (Metro) (DFO, Kamrup East Division) an area of 155.709 Ha. forest land had been diverted since 1980 and against these diversion an area of 271.64 Ha. has been stipulated for Compensatory Afforestation.
Condition No. (2)	The stipulated Compensatory Afforestation area in the District of Kamrup (Metro) (DFO, Kamrup East Division) is 271.64 Ha, where Compensatory Afforestation has been raised on 162.22 Ha. In the State of Assam the stipulated Compensatory Afforestation area is 9655.167 Ha. and Compensatory Afforestation has been raised on 10021.451 Ha.
Condition No. (3)	The User Agency (AEGCL) has submitted the cost benefit analysis. (Copy enclosed).
Condition No. (4)	The DFO, Kamrup East Division has intimated that the aerial distance of the proposed area from the Eco-Sensitive Zone of Amchang Wildlife Sanctuary is 5.22 Km (approx) vide letter No. B/Arial Distance, 400 KV/KE/766 dated 4.2.2023 (copy enclosed).
Condition No. (5)	The DFO Kamrup East Division has submitted that the Dwarf Species Plantation scheme technically approved by Chief Conservator of Forests, Central Assam Circle, Guwahati. (Copy enclosed).

Assam Intra-State Transmission System Enhancement Project, Phase-1

ENF-13023/36/2023-ENV./FOREST-Environment & Forest Department

I/359969/2023

Condition No. (6)	The User Agency (AEGCL) has submitted the justification of 3 alternate route examination for location of the project in the forest area. (Copy enclosed) . The proposed transmission line alignment for construction of 400/220 KV, 2X500 MVA GIS at Sonapur and its associated transmission lines (New LILO 400 KV Silchar-Byrnihat Tower Line) under AIIB project has been examined for social, technical and economical consideration and possible efforts were made to avoid the forest land by AEGCL but the proposed route of transmission line is not possible without involvement of forest land. Transmission line survey has been done by AEGCL and there is no other alternate route feasible to lay the transmission line except for aligning the transmission line to the affected 3.20 KM forest land of the Aprikola Reserved Forest of Alternative-I route. Further, the transmission line of alternative one passes through bare minimum forest involvement comparing with other possible road examine. The canopy density of the forest area of 0.4.
Condition No. (7)	The User Agency (AEGCL) has submitted the brief of the remaining route of the proposed transmission line. (Copy enclosed) .
Condition No. (8)	The User Agency (AEGCL) has intimated that the FRA-2006 certificate is under process.

Enclo : As stated above.

Yours faithfully,

Signed by
Trinayan Das

Date: 07-12-2023 10:48:06

Under Secretary to the Govt. of Assam
Environment and Forest Department

Memo eCF No.381903/38-A

Dated Dispur, the December, 2023

Copy to:-

The Principal Chief Conservator of Forests & HoFF, Assam, Panjabari, Guwahati-37.

e-signed
Under Secretary to the Govt. of Assam
Environment and Forest Department