

Environmental and Social Monitoring Report

Reporting Period: January 2023 to June 2023
(5th 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



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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
SPCB	State Pollution Control Board

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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

Asian Infrastructure Investment Bank (AIIB) extends financial assistance for “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. 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 substation 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.

Following activities with regards to Contract has been done during the reporting period.

- During the reporting period, Advance Bank Guarantee submitted by EPC Contractor M/s SUMAJA ELECTROINFRA Pvt. Ltd (Package – F) to AEGCL in the month of March, 2023. The notice to proceed of the work for conversion of existing 132/33kV Gohpur AIS to GIS has been issued on 3rd April, 2023 and the contract was effective from 8th April, 2023.
- Compliance to Applicable Regulations/Standards is being done.
- Compliance to Environmental and Social Covenants from the AIIB Loan Agreement is being done.
- Compliance to Environmental and Social Management Plan (ESMP) including Environmental and Social Monitoring Plan (ESMoP) is being done.
- Accident monitoring is being done as per requirement. During the reporting period, some minor incident occurred such as slight cut in hand, finger and knee of the labourer working in the construction activities under several Packages.
- CESMP reports for Package – B, updated and submitted to AIIB on 2nd January, 2023 as per the updated format of CESMP and approval received from AIIB on 13th January, 2023. Updated CESMP submitted to AIIB on 19th January, 2023 for Package - L and approval received from AIIB on 30th January, 2023. Updated CESMP of Package – J submitted to AIIB on 10th February, 2023 and approved on 16th February, 2023. Updated CESMP of Package – K submitted to AIIB on 18th February, 2023 and approval from AIIB received on 28th April, 2023 and Updated CESMP report for Package - F submitted to AIIB on 30th May, 2023 and approval received from AIIB on 13th June, 2023.

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- Compliance of the CESMP is being done by EPC contractors under the direct supervision of PMC as per contract requirement.
- Abbreviated Resettlement Action Plan (ARAP) of Nagaon-2 GIS substation under Package - B and Bihpuria GIS substation under package – A was submitted to AIIB on 15th February and 18th March, 2023 respectively. Approval of Nagaon-2 GIS substation received from AIIB on 23rd February, 2023 and approval of Bihpuria GIS substation received from AIIB on 28th April, 2023.
- Semi-Annual monitoring report for the period July to December, 2022 updated and submitted to AIIB on 10th February, 2023 and approval received from AIIB on 13th February, 2023.

Following are the key findings noted during reporting period.

- Copies of permissions/consents are being submitted by EPC contractors.
- Forest clearance for T/L of package H (Sonapur) is yet to be obtained from Forest Department. Meanwhile the registration in the MOEFC portal is completed for online submission and 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 of 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 is no further quarries/issues in the said proposal, hence forwarded to the DFO level (Part II) for further processing.
- For the RoW permission of the complete route passing through different villages for the construction of new 400KV LILO from Silchar-Byrnihat T/L, Joint Verification was started on 06/04/2023 by the Lat Mandals of Sonapur Revenue Circle to ascertain the status of land in those villages and is still going on. (Letter from Circle office, Sonapur Revenue Circle No. SPRJV/16/2019/237 dated 31.03.2023).
- 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.
- Permission of "Right of Way" in respect of construction of 220 KV EHV line from existing 132 KV GSS, AEGCL, Shankardev Nagar to the existing 400 KV GSS, PGCIL, Misa was given on 4th April, 2023 by ADC, i/c Hojai Sub-division.
- 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 220 kV LILO from 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 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, reports are awaited from all the concerned Circle Offices.
- Revised check survey was conducted jointly for LILO of 220 kV Samaguri - Mariani line at Jakhlabandha (New) S/C in order to avoid the house falling under the RoW of Transmission Line and due to changes in alignment of Gantry tower.

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- All EPC contractors are requested to submit all the relevant/permission related to borrow earth for filling works from the competent authority (Forest/Revenue Department) except 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 of the public.
- Medical tie up with nearby hospital has been done by the respective EPC contractors except package - D.
- Health check-up camp was organized for the workers at Jakhalabandha S/s, Bihpuria S/s, Chhaygaon S/s, Nagaon-2 S/s, Burhigaon S/s, Agomoni S/s, Shankardevnagar S/s and package-M site by EPC contractor in this reporting period. Except for Khumtai S/s and Gohpur S/s under package – D and F respectively, all the EPC Contractors have organized the health check-up camp.

Following are the corrective actions to be taken:

- PMU/PIU requires to followup the Forest clearance for T/L of package H (Sonapur) with concerned Department for forest clearance.
- PIU/PMC needs to follow up with the District Authority for obtaining permission of ROW for LILO of 220kV Samaguri (AEGCL- Existing) –Sarusajai D/C line for Nagaon 2 substation.
- PMU/PIU requires to expedite the process of permission of tree felling from Forest Department for Gohpur S/s under package- F.
- Joint verification of land owner identification survey of Transmission Lines with the concerned revenue department need to expedite to finalize the land scheduling for Bihpuria TL, Khumtai TLs Sankardevnagar TL, and Agomoni TL.
- PIU/PMC requires 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 facility is also to be provided by the EPC contractors in their respective packages.
- PIU/PMC requires to ensure filling up of necessary work-related checklists regularly by EPC contractors in all the ongoing working sites.
- PMU/PIU/PMC/ requires 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 requires to conduct weekly project site visits to monitor Safety and Quality by the Key Experts apart from regular monitoring by E&S support staff.
- PMC requires to ensure the Monthly External Safety Audits at each project sites by PMC's Technical experts.
- PMC requires to ensure 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 timely basis:

- Submit all legal/regulatory/statutory documents of relevant work which needs to be completed prior to commencement of work.
- 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 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 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 “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. 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 substation 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 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

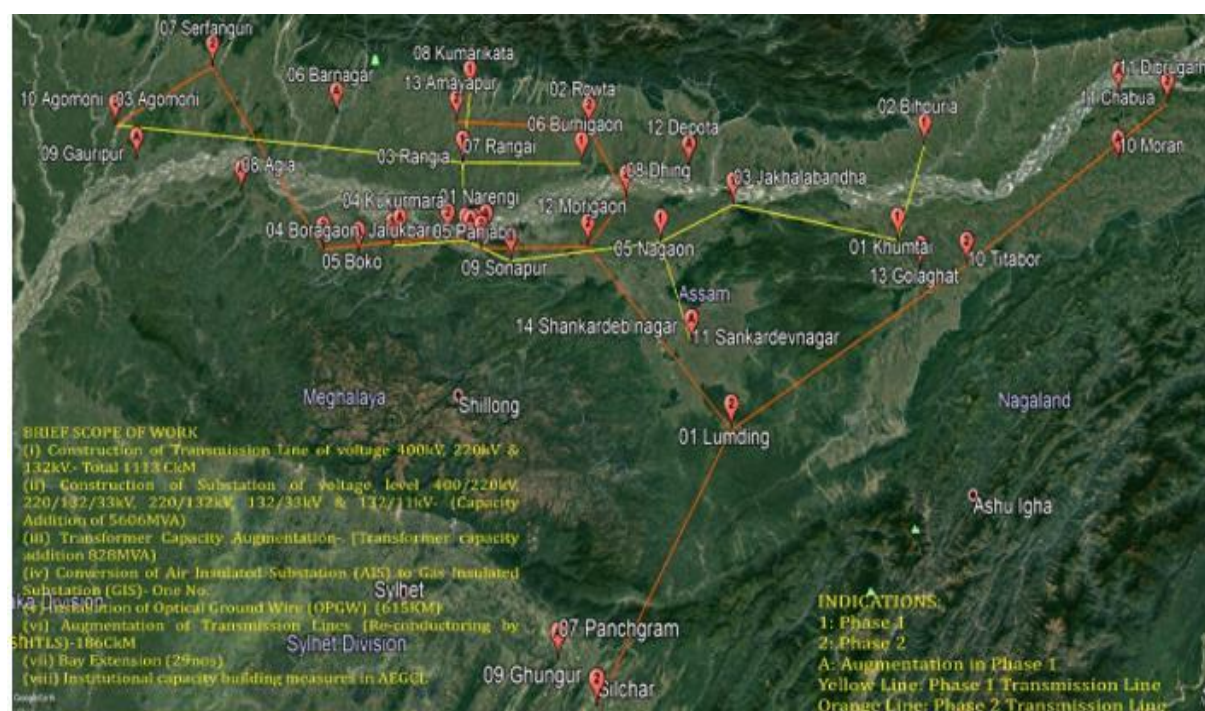


Figure – 1: Location map of Project

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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 Necon 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 SIEMENS	Establishment of new 220/33kV (2X100 MVA), GIS substation at Chhaygaon (26° 2'58.10"N	LILO at 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 ESMPPF (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 Siddhatha 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)

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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 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 circuit of 400kV Balipara (PG) - Bongaigaon	Bid document preparation is under	-	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)	(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) 132 kV S/C	progress								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)									
			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	Bid document preparation is under progress	-	Sonapur / Kamrup (M)	AGM, Kahilipara, AEGCL	1.2	1.2	Plain low land	Barren	AEGCL
I	M/s BLUE STAR Ltd.	Narengi: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers Kahilipara: 3X50MVA, in place of	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)									
		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 place of 2X25MVA, 132/33kV, Transformers Kukurmara, 2X50MVA, in place of 1X25MVA + 1X16MVA, 132/33kV Transformers Boko:										

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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)									
		1X160MVA + 1X100MVA in place of old 1X50MVA, 220/132kV Transformers {as per supply & dismantling: 1X100MVA is not available in Bill Of Quantities (BOQ)}										
J	M/s BLUE STAR Ltd.	Bornagar: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers Panchgram, 2X50MVA, in place of 2X25MVA, 132/33kV Transformers	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)									
		Agia: 1X160MVA + 1X100MVA in place of 1X50MVA + 1X100MVA, 220/132kV Transformers Gauripur: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers										
K	M/s Siddhatha 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	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 Depota: 2X50MVA, in place of 2X31.5MVA, 132/33kV, Transformers Golaghat: 2X50MVA in place of 2X25MVA, 132/33kV Transformers Shankardevnagar: 2X50MVA, in place of 2X25MVA, 132/33kV Transformers										
L	M/s APAR Industries Ltd.	Not Applicable	Augmentation of 186 km of transmission line (restringing of One Single	23/07/2021	14/08/2021							

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)									
			Circuit (S/C) line and two Double Circuit (D/C) line) by High Temperature Low Sag (HTLS) conductors									
M	M/s Sterlite Power Transmission Ltd.	Not Applicable	Replacement of ground wire to Optical Power Ground Wire (OPGW) for 636 km of transmission lines	30/10/2021	17/01/2022							

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) SeherliaKuhlar 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 Sapor 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) Hojat 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 circuit 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. Raturi 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
M. Replacement of Ground Wire to OPGW					
636					

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

1.2 Project Progress Status and Implementation Schedule**Table 3: Physical and financial progress status of 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 30 th June, 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	10.67%	8.46%
					Construction of 220/33kV, 2X100MVA GIS at Jakhalabandha	14%	
					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	11.88%	8.8%
					220kV LILO from Mirza - Boko Transmission Line at Chaygaon GIS – 1.61 Km	8.07%	
					Construction of 220/33kV, 2X100MVA GIS Nagaon-2.	10.69%	
					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)	26.28%	19%
					132 kV LILO of Siphajhar - Rowta Transmission Line at Burhigaon GIS– 11.85 km	23.32%	
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)	7%	8%
					LILO of 220kV Samaguri - Mariani line 1 at Khumtai – 10.16 km.	6.47%	
					LILO of 132 kV Jorhat (W) - Bokakhat (Existing) at Khumtai (New) S/C Line – 10.19 km	6.06%	
					132 kV Khumtai (New) - Sarupathar (Existing) S/C Line – 61.20 km	7.31%	
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	17.16%	11%

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Sl. No.	Pkg No.	Effective/ Schedule Completion date	Agency	Order Value (INR Cr.)	Sub Station/ Transmission Line Name	Overall Progress	Financial Progress till 30 th June, 2023 in %
		09.04.2022 Scheduled Completion Date- 08.04.2025			220kV D/C Transmission Line from Shankardevnagar - Misa S/S -26.45 km	9.2%	
					Construction of 220/132kV, 2X160 MVA GIS at Agomoni	23.26%	
					220kV LILO of both Circuit of Alipurduar – Bongaigaon (PGCIL) D/C Line at Agomoni GIS– 3 Km	9.2%	
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	3%	-
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	58%	32%
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	86%	85%

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 30 th June, 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:	85.15%	88%
					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)	100%	93%
					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	Augmentation of the communication backbone - Replacement of existing ground wire by OPGW (636 km)	58%	41.8%
					i. 220kV Mariani to Samaguri Circuit -1 (LILo at Khumtai and Jakhalabandha 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		

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

1.3 Brief progress status of project

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

Table 4: Brief progress status of 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 Sub-station component 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 regular basis and the details are provided in Appendix 1.</p>
TL Component Sub-project ESIA / RP disclosed	ESIA – ESMP preparation - Not Yet started	-	ESIA-ESMP for the Transmission line will be prepared after completion and submission of the land schedule by EPC Contractor and further approval by Revenue dept. However, joint survey of land owner identification/tower location with concerned revenue department is under progress.
Contract Award	On-going	90% (approx.)	Advance Bank Guarantee submitted by EPC Contractor M/s SUMAJA ELECTROINFRA Pvt. Ltd (Package – F) to AEGCL in the month of March. 2023. The notice to proceed with the work for the conversion of the existing 132/33kV Gohpur AIS to GIS has been issued on 3rd April, 2023 and contract was effective from 8th April, 2023.
Construction (civil works, installation of equipment etc.)	On-going	25% (approx.)	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 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 the sample copy of the same has been given in **Appendix - 3**.

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2.0 Compliance to Applicable Regulations/Standards

Status of Compliance to 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 discussion held during AIIB Mission in the month of April, 2022 final ESIA-ESMP was revised and seek approval for uploading in public domain by AEGCL on 30.04.2022. • Approval received from AIIB on 30.04.2022. • ESIA-ESMP for Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by Revenue department. • The joint survey of landowner identification of Transmission Line is under process in Bihpuria substation. • The joint survey of land owner identification survey of Transmission Line in Jakhlbandha substation is completed. Detail assessment of the land requirement for tower footing is under process.
	Jakhlbandha		
B	Chhaygaon	Consortium of R.S. Infraprojects Pvt. Ltd. and M/s SIEMENS 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 discussion held during AIIB Mission in the month of April, 2022, final ESIA-ESMP was revised and seek approval for uploading in public domain by AEGCL on 30.04.2022. • Approval received from AIIB on 30.04.2022. • ESIA-ESMP for 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 is completed. Report preparation is under progress in Circle Office, Chhaygaon and is awaited from their end. • The joint survey of land owner identification of Transmission Line is completed. Report preparation is under progress in Circle Office, Nagaon Sadar and is awaited from CO, Nagaon Sadar.
	Nagaon 2		
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 discussion held during AIIB Mission in the month of April, 2022, final ESIA-ESMP was revised and seek approval of uploading in Public domain by AEGCL on 30.04.2022. • Approval received from AIIB on 30.04.2022. • ESIA-ESMP for Transmission line will be prepared after completion and submission of the land scheduling by EPC

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Pkg No.	Location	Name of the EPC contractor	Status of ESIA-ESMP
			Contractor and further approval by Revenue dept. However, re-survey of land owner identification was conducted jointly and completed by Lot Mandal from concerned Circle Offices, Dalgaoon & Kalaigaon. Report is awaited from 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 Transmission line will be prepared after completion and submission of the land schedule by EPC Contractor and further approval by 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 Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by 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. 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 Public domain by AEGCL on 30.04.2022. • Approval received from AIIB on 30.04.2022. • ESIA-ESMP for 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 land owner identification of Transmission Line is under process.
F	Construction of 132/33kV GIS Scheme Conversion from AIS at location (Gohpur) Package-F	M/s Sumaja Electro Infra Pvt. Ltd.	<ul style="list-style-type: none"> • ESIA & ESMP report for Package - F submitted to AIIB 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.
	Kumarikata		<ul style="list-style-type: none"> • ESIA-ESMP for Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by Revenue dept. The bidding process is under progress for the Pkg-G.

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Pkg No.	Location	Name of the EPC contractor	Status of ESIA-ESMP
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 Transmission line will be prepared after completion and submission of the land scheduling by EPC Contractor and further approval by Revenue dept. The bidding process is under progress for the Pkg-H.
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		
L	Rowta	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 Documents submitted on 12.01.2022. • Approval on Environmental aspects received from AIIB on 13.01.2022. • ESIA & ESMP report for Package - L submitted to AIIB on 01.11.2022 and approval from AIIB received on 03.11.2022.
	Samaguri		
	Sarusajai		
M	BTPS (Salakati)-Dhaligaon) D/C	M/s Sterlite Power Transmission Ltd.	<ul style="list-style-type: none"> • ESIA & ESMP report submitted and approved by AIIB on 28.09.2022.
	Kukumara-Sarusajai D/C		
	Gossaigaon-Gauripur S/C		
M	Stringing 636 KMS of OPGW Cable	M/s Sterlite Power Transmission 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		

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

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

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
E&S staffs of Project Management Unit (PMU)						
1.	Mr. DibyaJyoti Baruah	Social Specialist	M.A (Economics)	14+ 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	Seninor Social Safeguard Expert	M.A (Geography), PGD in Rural Deverlopment	22+ years	9864223185	aegcl.pmc@feedbackinfra.com
2.	Recuitment under process	Seninor Environmental Safeguard Expert	---	---	---	
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.	Mr. Sourav Borah	Environmental Investigation Officer	M. Sc, Environment Management	3+ years	8638511654	
5.	Mr. Bhaskar Boruah	Environmental Investigation Officer	Bachelor of Arts 1 year Diploma in Fire & safety 1 year Diploma in Advanced Safety	4+ years	7896069869	
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	
E&S staffs of Engineering Procurement and Construction Contractors (as per CESMP)						
Package A (Jakhlabandha & Bihpuria)						

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

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
1.	Mr. Rahul Konwar	EHS Officer	Bachelor of Arts, Diploma in Industrial Safety & Fire Engineering	4 years	8638214077	neccon@necconpower.com
2.	Mr. John Tirkey	EHS Officer	Bachelor of Arts, Diploma in Fire & Safety	2 years	7636061988	
3.	Mr. Ane Basant Dutta	Labour Officer	Bachelor of Arts, Diploma in Safety & Health	3 years	9706628901	
Package B (Chhaygaon & Nagaon 2)						
1.	Mr. Ashish Singh Gaur	EHS Manager	B. Tech (Electrical and Electronics) NEBOSH Certification	8 + years	8879558934	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.	Mr. Rafi Ahmad	EHS Officer 2	P.G. Diploma in Industrial fire & Construction Safety Management	3+ years	8340662457	
4.	Under Recruitment	Social officer-1				
5.	Under Recruitment	Social officer-2	-	-	-	
6.	Under Recruitment	Social Supervisor	-	-	-	
7.	Under Recruitment	EHS Supervisor	-	-	-	
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.	EHS Supervisor	Under Recruitment	-	-	-	
4.	Social Supervisor	Under Recruitment	-	-	-	
Package D (Khumtai)						
1.	Ashish Singh Gaur	EHS Manager	B. Tech (Electrical and Electronics)	8 years	8879558934	

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

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
			NEBOSH Certification			site.khumtai@gmail.com
2.	Mr. Uday Pratap Singh	EHS Officer	M.Sc Zoology, Diploma in OHSE&P	3+ years	6209481343	
3.	Under Recruitment	Social Officer-1	-	-	-	
4.	Under Recruitment	EHS Supervisor	-	-	-	
5.	Under Recruitment	Social Supervisor	-	-	-	
Package E (Shankardevnagar & Agomani)						
1.	Mr. Shohrab Ansari	EHS Officer	Diploma in Mechanical Engineering, Diploma in Industrial Fire and Safety Manegement	7 years	8882673119	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 Manegement	8 years	8072101664	
4	Mr. Dharmveer Kumar Sharma	E&S Officer	BSc in Chemistry Dipoma in Industrial Safety Management Diploma in Fire Safety Management and Diploma in Environmental Engineering Management	16+ years	6376219569	
Package F (Gohpur)						
1.	Under Recruitment	EHS Officer	-	-	-	sumajaprojects@gmail.com singharun0031@gmail.com
2.	Under Recruitment	Social Officer-1	-	-	-	
Package G: Bidding under process						
Package H: Bidding under process						
Package I						
1.	Mr. Bibhas Kumar Sen	EHS - Regional Manager	B Tech + MBA in HSE	10 Years	7044066770	rakeshmanna@bluestarindia.com
2.	Mr. Ritanandan Bairi	EHS Engineer	Diploma in Civil and	10 Years	7980680278	

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

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
			Diploma in Industrial Safety and NEBOSH certified			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	
4.	Mr. Bhaskar Boruah	Social Supervisor	Graduate in Sociology	6 years	7896069869	
Package K						
1.	Imran Alam	Safety officer	Diploma from NIBOSH in safety	12+ years	9279396999	dn.bhattacharya@selindia.net
2.	Subrat Panigrahi	Social officer	Master in social science	20+ years	9437015019	sk.bhanja@selindia.net
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 Safety Management	4+ years	6005623236	
4.	Md. Fatik	Safety Officer	BSc, Diploma	11+	8651327704	

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

Sl. No.	Name	Designation	Qualifications	Experience	Contact Details	Email ID
	Ahmed		in Industrial Safety Management	years		
5.	To be Named	EHS Supervisor	-	-	-	
6.	To be Named	EHS Supervisor	-	-	-	

2.3 Compliance to Applicable Regulations/Standards

Table 7: Compliance to Applicable Regulations/Standards

Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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.	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 ground water 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	Ground water of Existing facility of AEGCL/APDCL (AEGCL sister concern) is being used for construction purpose. Permission for additional water sources will be obtained by 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 activity like quarry operation (if any) for the project will require prior Environmental Clearance. (Note: The construction of substation and Transmission Line (T/L) of project does not come under 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 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.	T/L is located within or close to protected area and the same will be obtained as per requirement.
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 Forest Clearance process is under progress. For other T/L, assessment will be done in due course of time.	Forest Clearance may trigger if any T/L involve diversion of forest land and the same will be obtained as per requirement.
5.	Ancient Monuments and Archaeological sites & Remains Act 1958	Clearance from Archaeological department	N/A for S/S locations. For T/L, assessment will be done in due course of time.	Clearance from Archaeological department may require, if any Archaeological site in the vicinity of sub-project S/S and T/L identified and the same will be obtained as per requirement.
6.	The Water (Prevention and Control of Pollution) Act, 1974	Permission from CGWB for utilization of water from ground, if any, for the sub-project. No Objection Certificate (NOC) for release of sewage from	Being Complied.	Ground water of Existing facility of AEGCL/APDCL (AEGCL sister concern) is being used for construction. Permission for additional water sources will be obtained by EPC contractor. Construction camps have been established within existing AEGCL premises. NOC for release of sewage

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 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}
		construction camps etc. from State Pollution Control Board (SPCB).		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) Act, 1981	Consent to Establish (CTE) and Consent to Operate (CTO) for Chusher, Batching Plant (if any), HMP (if any) for implementation of the project Ambient Air Quality Standards (AAQS) to be followed and record to be maintained.	Being Complied	CTE/CTO of Crusher is being submitted by EPC contractors (Refer Appendix – 4 & 5) mixture machine is being used for concreting. Relevant documents are being submitted by EPC contractors.
8.	Noise Pollution (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, equipments, machineries 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,	Being Complied	Fitness certificate/ PUC certificate of vehicles, equipments, and machineries are being submitted by EPC contractors (sample Appendix - 9).

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Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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}
		Machineries and Equipments.		
12	Solid Waste Management Rules, 2016	Generation of Solid Waste during project implementation.	Being Complied	At present, EPC contractors disposed solid waste as per the suggestion of Local Authority. Documentation for the same is under process and will be shared in next reporting period.
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 generated in package A (Jakhlabandha) C (Burhigaon) and E (Shankardevnagar). EPC contractors used the C&D waste for accesses road construction.
14	Plastic Waste Management Rules, 2016	Generation of Plastic Waste during project implementation.	Being Complied	At present, EPC contractors disposed solid waste as per the suggestion of Local Authority.
15	Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016	Generation of Hazardous and Other Wastes as per (Management & Trans boundary Movement) Rules, 2016, if any during project implementation.	N/A at 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 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 Batteries Waste during project implementation	N/A at 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	LA Regulation and	In major areas	Land purchase/ acquisition

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Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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}
.	Compensation and Transparency in Land Acquisition (LA), Rehabilitation and Resettlement Act, 2013 both incorporated by Gol and GoA.	Rehabilitation and Resettlement (R&R) Act, 2013 has been followed at the time of Direct Purchase of Land on the basis of mutual consent between the Land owner and the requiring Body PMU (AEGCL).	where the substations are located, the land belongs to AEGCL or is transferred from APDCL or other Govt. (Kash land. The land that is purchased by AEGCL has followed the Rules and Regulations as per the Act.	process completed.
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 generation, transmission, distribution, trading and use of electricity and	Being complied	Location, design and related documents including ESIA are being structured as per the requirement of Electricity Act, 2003.

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Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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}
		generally for taking measures conducive to development of electricity industry, promoting competition therein, protecting 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 in regard to ROW.	During the Power Ministry conference held on April 9 -10, 2015 at Guwahati it has been decided to constitute a committee. The recommendations laid down by the committee are formulated in the form of following guidelines for determining the compensation towards the damages as stipulated in section 67 and 68 of Electricity Act, 2003 read with section 10 and 16 of Indian Telegraph Act, 1885, Compensation @ 85% of Land Value as determined by the District Magistrate based on Circle rate/	NA at current stage.	The Process of giving compensation to the PAFs starts after finalization of the land owner identification reports of respective Transmission Line by concerned Revenue Circle. Moreover, the area of the land that needs to be acquired can be ascertain after finalization of tower design and the same should be submitted to concerned Revenue Circles for the preparation of necessary compensation proposal..

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Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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}
		<p>Guideline Value and Stamp Act rates for Tower base area (between four legs).</p> <p>Land compensation in the width of ROW subject to a maximum of 15% of Land Value as determined based on Circle rate, Guide line value and Stamp Act, rates.</p> <p>In case of loss of trees and crops a 60 days advance notice to be issued to the legal Cultivator for the standing crops prior to damage. Compensation for cultivator for the crop on the basis of 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 market price.</p>		
23	The Antiquities and Art Treasures Act, 1972 and Indian Treasure Trove Act, 1878,	If sudden encounter with anything valuable at any stage of	Being Complied	EPC contractors comply with the same as per requirement.

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Sl. No.	Regulations / Standards	Compliance Requirements under the Regulation	Compliance Status {complied; not complied; Not Arises (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}
	Amended in 1949.	project cycle.		

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

Table 8: Compliance to 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	Details provided in Table No. 5 above.

4.0 Compliance to the Civil Work Contract Agreement

Following activities with regards to Contract has been done during the reporting period.

- i. Contract agreement signed on 07.11.2022 vides AEGCL/MD/AIIB/PACKAGE-F/2022/CON-11, with EPC Contractor M/s SUMAJA ELECTROINFRA Pvt. Ltd. (Package – F) Advance Bank Guarantee submitted by EPC Contractor to AEGCL during the month of March. 2023.
- ii. Notice to proceed of the work for conversion of existing 132/33kV Gohpur AIS to GIS has been issued on 3rd April, 2023 and contract was effected from 8th April, 2023.
- iii. CESMP reports for Package – B, updated and submitted to AIIB on 2nd January, 2023 and approval received from AIIB on 13th January, 2023.
- iv. CESMP reports for Package – L, updated and submitted to AIIB on 19th January, 2023 and approval from AIIB received on 30th January, 2023.
- v. Updated CESMP of Package – J submitted to AIIB on 10th February, 2023 and approved received on 16th February, 2023
- vi. CESMP report for Package – K submitted to AIIB on 18th February, 2023 and approval from AIIB received 28th April, 2023.
- vii. CESMP report for Package-F submitted to AIIB on 30th May, 2023 and approval received from AIIB on 13th June, 2023.
- viii. Compliance of CESMP for all packages is being done for the respective civil works.

5.0 Compliance to Environmental and Social Management Plan

Key Findings

Following are the key findings noted during reporting period.

- Copies of permissions/consents are being submitted by EPC contractors.
- Forest clearance for T/L of package H (Sonapur) is yet to be obtained from Forest Department. Meanwhile the registration in the MOEFC portal is completed for online submission and 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 of 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 is no further quarries/issues in the said proposal, hence forwarded to the DFO level (Part II) for further processing.
- For the RoW permission of the complete route passing through different villages for the construction of new LILO 400KV Silchar-Byrnihat T/L, Joint Verification was started on 06/04/2023 by the Lat Mandals of Sonapur Revenue Circle to ascertain the status of land in those villages and is still going on. (Letter from Circle office, Sonapur Revenue Circle No. SPRJV/16/2019/237 dated 31.03.2023).
- 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.
- Permission of "Right of Way" in respect of construction of 220 KV EHV line from existing 132 KV GSS, AEGCL, Sankardev Nagar to the existing 400 KV GSS, PGCIL, Misa was given on 4th April, 2023 by ADC, i/c Hojai Sub-division.
- 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 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 and resurvey of land owner identification / tower location of 132 kV Rowta-Sipajhar Line for Burhigaon substaion under package - C was conducted during the reporting period. However, reports are awaited from all the concerned Circle Offices.
- Revised check survey was conducted jointly for LILO of 220 kV Samaguri - Mariani line at Jakhalabandha (New) S/C in order to avoid the house falling under the RoW of Transmission Line and due to changes in alignment of Gantry tower.
- All EPC contractors is requested to submitted all the relevant/permission related to borrow earth for filling works from the competent authority (Forest/ Reveneue Department) except Jakhalabandha S/s under package – A, Chhaygaon S/s under package - B and Khumtai S/s under package – D.
- Public Greivance Redressal box are being installed at all the substaion sites for receiveing written greivances of public.

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- Medical tie up with nearby hospital has been done by the respective EPC contractors except package - D.
- Health check-up camp was organized for the workers at Jakhalabandha 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 in this reportig period except Khumtai S/s under package - D.

Corrective actions

- PMU/PIU requires to followup the Forest clearance for T/L of package H (Sonapur) with concerned Department for forest clearance.
- PIU/PMC needs to follow up with the District Authority for obtaining permission of ROW for LILO of 220kV Samaguri (AEGCL- Existing) –Sarusajai D/C line for Nagaon 2 substation.
- PMU/PIU requires to expedite the process of permission of tree felling from Forest Department for Gohpur S/s under package- F.
- Joint verification of land owner identification survey of Transmission Lines with concerned revenue department need to expedite to finalize the land scheduling for Bihpuria TL, Khumtai TLs Sankardevnagar TL and Agomoni TL.
- PIU/PMC requires 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 facility is also to be provided by the EPC contractors in their respective packages.
- PIU/PMC requires to ensure for fillingup of necessary work-related checklists regularly by EPC contractors in all the ongoing working sites.
- PMU/PIU/PMC/ requires to ensure that all EPC contractors will comply with proper housekeeping, proper drainage facilities / wastemanagement facilities at all substation sites.
- PMC intends to impart more onsite training on EHS&S – to AEGCL and EPC contractor team members.
- PMC requires to conduct weekly project site visits to monitor Safety and Quality by the Key Experts apart from regular monitoring by E&S support staff.
- PMC requires to ensure the Monthly External Safety Audits at each project sites by PMC's Technical experts.
- PMC requires to ensure the Weekly / Monthly review meetings with EPCs in coordination with AEGCL to monitor project activities, status and resolve issues.

EPC contractors to comply the following on timely basis

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

6.0 Compliance to Resettlement Action Plan and Tribal People's Plan (If any)**Table 9: Compliance to 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 on the basis of mutual consent between 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 seven non-title holder's of 220/33 kV Nagaon-2 GIS substation under Package- B prepared and submitted to AIIB on 15.02.2023, approval received from AIIB on 23.02.2023. ARAP report for four non-title holder's of 220/33 kV Bihpuria GIS substation under Package- A prepared and submitted to AIIB on 18.03.2023 and approval received from AIIB on 28.04.2023.
2.	Provisions for Tribal People's (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 Noise level from the standard of commercial area in Jaklabandha, Nalbari, Depota, Samaguri and Sarusajai, which may be due to noise from movement of vehicles passing in the road nearby the S/S. The detailed package-wise baseline data is given below.

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Table 10: Package wise Ambient Air Quality Monitoring Results (Baseline data generated for pre- monsoon season 2023)

Name of Package	Name of Monitoring Station	Results (Baseline data generated for pre- monsoon season 2023)		Remarks
		PM ₁₀ (µg/m ³) (Baseline data)	PM _{2.5} (µg/m ³) (Baseline data)	
A	Bihpuria	70	32	24-hours average
	Jaklabandha	65	29	24-hours average
B	Chhaygoan	68	36	24-hours average
	Nagaon 2	68	36	24-hours average
C	Burhigaon	58	26	24-hours average
D	Khumtai	59	32	24-hours average
E	Shankadevnagar	87	42	24-hours average
	Agomoni	84	40	24-hours average
F	Gohpur	64.6	39.2	24-hours average

Table 11: Package wise Ambient Noise Level Monitoring Results (Baseline data generated for pre- monsoon session 2023)

Name of Package	Name of Monitoring Station	Sound Parameters (dBA)		Category of Zones
		Limits in dB(A) / Day time (Baseline data generated for pre- monsoon session 2023)	Limits in dB(A) / Night time (Baseline data generated for pre- monsoon session 2023)	
A	Bihpuria	64.7	47.3	Residential
	Jaklabandha	65.4	46.7	Residential
B	Chhaygoan	62.5	45.2	Industrial
	Nagaon 2	41.3	37.3	Residential
C	Burhigaon	54.7	44.9	Residential
D	Khumtai	42.5	35.1	Residential
E	Shankadevnagar	70.2	56.8	Residential
	Agomoni	68.4	46.1	Residential
F	Gohpur	64.2	44.6	Commercial Zone
I	Narengi	64.8	48.2	Commercial Zone
	Kahilipura	75	70	Commercial Zone
	Rangia	62.4	36.2	Commercial Zone
	Kukurmara	61.2	39.2	Commercial Zone
	Boko	62.8	39.2	Commercial Zone
	Nalbari	66.2	44.2	Commercial Zone
J	Barnagar	42	-	Commercial Zone
	Panchgram	44	-	Commercial Zone
	Agia	51	-	Commercial Zone
	Gauripur	45	-	Commercial Zone
	Hailakandi	41	-	Commercial Zone
K	Moran	64.3	-	Commercial Zone
	Dibrugarh	64.6	-	Commercial Zone
	Depota	66.2	-	Commercial Zone
	Golaghat	63.8	-	Commercial Zone
	Rowta	60.6	-	Commercial Zone
	Samaguri	65.3	-	Commercial Zone
	Sarusajai	66.3	-	Commercial Zone

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Table 12: Package wise Monitoring Results of Vibration (Baseline data generated for pre- monsoon season 2023)

Name of Package	Name of Monitoring Station	Monitoring Period/Date	Time	Value	Vibration mm/sec	Limits Vdb {=20 Log10 (Vm/Vr)}
A	Bihpuria	30.11.2022	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
	Jaklabandha	26.11.2022	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
B	Chhayagon	26.04.2023	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
	Nagaon 2	28.04.2023	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
C	Burhigaon	16.05.2023	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
D	Khumtai	05.05.2022	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
E	Shankardevnagar	21.01.2023	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60
	Agamoni	03.01.2023	Day Time	Max	<0.01	<60
					<0.01	<60
			Night time	Min	<0.01	<60
					<0.01	<60

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Table 13: Package wise Water Quality Monitoring Results (Baseline data generated for pre- monsoon session 2023)

Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
A	Bihpuria	pH	IS 3025 part 11 1983 (RA:2017)	–	6.71	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.088	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	1	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	49	500	2000
		Total Suspended	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	1	1	5
		BOD	IS 3025 part 44 1993(RA:2014)	mg/l	<2	–	–
		Dissolved Oxygen	IS 3025 part 38 1989(RA:2019)	mg/l	5.1	–	–
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	2	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.10	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	10.3	200	400
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	19.2	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<1	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		E.Coli	HiMedia Kit	MPN/10 0ml	Absent	Absent	Absent
		Total Coliform	APHA 23 rd Edition 2017	MPN/10 0ml	Absent	Absent	Absent
		Pesticides	APHA 23 rd Edition 2017	µg/l	BDL	–	–
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
	Jaklabandha	Floating Materials	–	–	Not visible	–	–
		pH	IS 3025 part 11 1983 (RA:2017)	–	6.74	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.076	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	1	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	39	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	2	1	5
		BOD	IS 3025 part 44 1993(RA:2014)	mg/l	<2	–	–
		Dissolved Oxygen	IS 3025 part 38 1989(RA:2019)	mg/l	5.2	–	–
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	1	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.11	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	12.1	200	400
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	22.1	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<1	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		E.Coli	HiMedia Kit	MPN/10 Oml	Absent	Absent	Absent
		Total Coliform	APHA 23 rd Edition 2017	MPN/10 Oml	Absent	Absent	Absent
		Pesticides	APHA 23 rd Edition 2017	µg/l	BDL	–	–
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
		Floating Materials	–	–	Not visible	–	–

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
B	Chhaygaon	pH	IS 3025 part 11 1983 (RA:2017)	–	6.52	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.12	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	Colourless	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	96	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	1	1	5
		BOD	IS 3025 part 44 1993(RA:2014)	mg/l	<	–	–
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	5	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.16	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	5.1	200	400
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	32	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<5	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
	Nagaon 2	pH	IS 3025 part 11 1983 (RA:2017)	–	6.53	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.51	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	1	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	259	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	1	1	5
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	13.9	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.09	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	17.3	200	400
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	64	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<5	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
C	Burhigaon	pH	IS 3025 part 11 1983 (RA:2017)	–	6.67	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.24	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	Colourless	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	90	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	1	1	5
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	5	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.21	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	3.6	200	400

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	30	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<5	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
D	Khumtai	pH	IS 3025 part 11 1983 (RA:2017)	–	6.51	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.13	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	hazen	2	5	15
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	46	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	2	1	5
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	6.9	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.06	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	12	200	400
		Hardness	IS 3025 part 21 2009 (RA:2019)	mg/l	48	200	600
		Nitrate	IS 3025 part 34 1988 (RA:2019)	mg/l	<5	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
E	Shankardev nagar	pH	IS 3025 part 11 1983 (RA:2017)	–	6.86	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.492	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	Hazen	Colourless	5	15

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
		Total Dissolved Solids	IS 3025 part 16 1984 (RA:2017)	mg/l	300	500	2000
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	<1	1	5
		BOD	IS 3025 part 44 1993(RA:2014)	mg/l	<2	–	–
		Dissolved Oxygen	IS 3025 part 38 1989(RA:2019)	mg/l	4.4	–	–
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	12.4	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.18	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	9.3	200	400
		Hardness	IS 3025 part 21 2009(RA:2019)	mg/l	196.8	200	600
		Nitrate	IS 3025 part 34 1988(RA:2019)	mg/l	<5	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		E.Coli	HiMedia Kit	MPN/10 0ml	Absent	Absent	Absent
		Total Coliform	APHA 23 rd Edition 2017	MPN/10 0ml	Absent	Absent	Absent
		Pesticides	APHA 23 rd Edition 2017	µg/l	BDL		
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
		Floating materials	–	–	Not visible	–	–
	Agomoni	pH	IS 3025 part 11 1983 (RA:2017)	–	6.58	6.5-8.5	No relaxation
		Conductivity	IS 3025 part 14 1984 (RA:2013)	ms/cm	0.054	–	–
		Colour	IS 3025 part 4 1983 (RA:2017)	Hazen	Colourless	5	15
		Total Dissolved	IS 3025 part 16 1984 (RA:2017)	mg/l	32	500	2000

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
		Solids					
		Total Suspended Solids	IS 3025 part 17 1984 (RA:2017)	mg/l	<10	–	–
		Turbidity	IS 3025 part 10 1984(RA:2017)	NTU	<1	1	5
		BOD	IS 3025 part 44 1993(RA:2014)	mg/l	<2	–	–
		Dissolved Oxygen	IS 3025 part 38 1989(RA:2019)	mg/l	4.9	–	–
		Chlorides	IS 3025 part 32 1988(RA:2013)	mg/l	7.4	250	1000
		Fluoride	IS 3025 part 60 2008(RA:2013)	mg/l	<0.5	1	1.5
		Iron	IS 3025 part 53 2003 (RA:2014)	mg/l	0.15	0.3	No relaxation
		Oil and Grease	IS 3025 part 39 1991 (RA:2014)	mg/l	<2	–	–
		Sulphates	IS 3025 part 24 1986 (RA:2019)	mg/l	4.5	200	400
		Hardness	IS 3025 part 21 2009(RA:2019)	mg/l	19.2	200	600
		Nitrate	IS 3025 part 34 1988(RA:2019)	mg/l	<1	45	No relaxation
		Odour	IS 3025 part 5 1983(RA:2017)	–	Agreeable	Agreeable	Agreeable
		E.Coli	HiMedia Kit	MPN/10 0ml	Absent	Absent	Absent
		Total Coliform	APHA 23 rd Edition 2017	MPN/10 0ml	Absent	Absent	Absent
		Pesticides	APHA 23 rd Edition 2017	µg/l	BDL		
		Taste	APHA 23 rd Edition 2017	–	Agreeable	Agreeable	Agreeable
		Floating materials	–	–	Not visible	–	–
F	Gohpur	pH	APHA 20 th Edition, 4500-H+B	–	7.2	6.5-8.5	No relaxation
		Conductivity	APHA 20 th Edition, 2510 B	ms/cm	0.46	–	–
		Colour	APHA 20 th Edition, 2120 B	hazen	NC	5	15
		Total Dissolved	APHA 20 th Edition, 2540 B	mg/l	71.2	500	2000

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Package Name	Name of Monitoring Station	Parameters	Method	Unit	Results (Baseline data generated for pre-monsoon season 2023)	IS-10500-2012	
						Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
		Solids					
		Total Suspended Solids	APHA 20 th Edition, 2540 B	mg/l	64.8	—	—
		Turbidity	APHA 20 th Edition, 2230 B	NTU	2.2	1	5
		BOD	IS 3025	mg/l	1.1	—	2
		Dissolved Oxygen	IS 3025	mg/l	4.4	—	6
		Fluoride	APHA 20 th Edition, 4500-F-D	mg/l	0.21	1	1.5
		Iron	APHA 20 th Edition, 3111 B	mg/l	0.16	0.3	No relaxation
		Sulphates	APHA 20 th Edition, 4500-SO ₄ ²⁻ E	mg/l	8.6	200	400
		Total Hardness as CaCO ₃	APHA 20 th Edition, 3500 B	mg/l	72.2	200	600
		Odour	APHA 20 th Edition, 2150 B	—	Agreeable	Agreeable	Agreeable
		Taste	APHA 20 th Edition, 2160 B	—	Agreeable	Agreeable	Agreeable
		E.Coli	APHA 20 th Edition, 9221 E	MPN/100 ml	Absent	Absent	Absent
		Total Coliform	APHA 20 th Edition, 9221 B	MPN/100 ml	Absent	Absent	Absent
		Total Pesticides floating materials	USEPA 508	µg/l	BDL	-	0.4
		Plastic	ASTM 5175	mg/L	BDL	-	0.0005
		Rubber	APHA 20 th Edition, 3111 B	mg/L	BDL	-	0.1
		Corrosivity	SJET,2014; 2(2A):123-127	-	Non Corrosive	-	-

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Table 14: Package wise Soil Quality Monitoring Results (Baseline data generated for pre- monsoon season 2023)

Name of Package	Name of Monitoring	Parameters	Results (Baseline data generated for pre- monsoon season 2023)
A	Bihpuria	pH value(1.5)	5.85
		Sulphite in SO ₃ in %	4.18
		Chloride in mg/kg	8.1
		ORP in mV	518
		Water soluble salts as EC in mS/m	398
		Organic matter in %	4.2
		Moisture Content in %	28
	Jakhalabandha	pH value(1.5)	6.48
		Sulphite in SO ₃ in %	4.36
		Chloride in mg/kg	7.8
		ORP in mV	546
		Water soluble salts as EC in mS/m	436
		Organic matter in %	4.5
		Moisture Content in %	36
B	Chhaygaoan	pH value(1.5)	5.76
		Sulphite in SO ₃ in %	7.2
		Chloride in mg/kg	6.3
		ORP in mV	512
		Water soluble salts as EC in mS/m	162
		Organic matter in %	3.9
		Moisture Content in %	23.4
	Nagaon 2	pH value(1.5)	5.36
		Sulphite in SO ₃ in %	6.1
		Chloride in mg/kg	7.8
		ORP in mV	508
		Water soluble salts as EC in mS/m	139
		Organic matter in %	3.4
		Moisture Content in %	24.7
C	Burhigaon	pH value(1.5)	5.98
		Sulphite in SO ₃ in %	6.2
		Chloride in mg/kg	8.3
		ORP in mV	468
		Water soluble salts as EC in mS/m	136
		Organic matter in %	4.3
		Moisture Content in %	21.9
D	Khumtai	pH value(1.5)	5.54
		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

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Name of Package	Name of Monitoring	Parameters	Results (Baseline data generated for pre- monsoon session 2023)
E	Shankardevnagar	pH value(1.5)	5.7
		Sulphite in SO ₃ in %	4.74
		Chloride in mg/kg	8.2
		ORP in mV	510
		Water soluble salts as EC in mS/m	380
		Organic matter in %	3.4
		Moisture Content in %	27
	Agomoni	pH value(1.5)	6.3
		Sulphite in SO ₃ in %	5.76
		Chloride in mg/kg	9.1
		ORP in mV	546
		Water soluble salts as EC in mS/m	434
		Organic matter in %	3.6
		Moisture Content in %	26
F	Gohpur	pH value(1.5)	6.8
		Sulphite in SO ₃ in %	32.6
		Chloride in mg/kg	32.6
		ORP in mV	72
		Water soluble salts as EC in mS/m	0.41
		Organic matter in %	0.71
		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.	06.02.2023	Training on EHS&S aspects at Bihpuria GIS substation.	EPC Contractor's representatives and Labour	5
2.	16.02.2023	Training on EHS&S aspects at Bihpuria GIS substation.	EPC Contractor's representatives and Labour	8
3.	17.02.2023	Training on EHS&S aspects at 132kV Kokrajhar-Salakati line	PIU EPC Contractor's representatives and labour	3
4.	03.03.2023	Training program on Environment, & Safety compliance conducted for EPC contractors by E&S Officials of PMU, AEGCL and PMC at the Conference Hall of 132/33 kV Narengi GIS Substation.	PMU PMC EPC Contractor	2
5.	06.03.2023	Training program on Environment, Health, Safety for 52 national safety	EPC Contractor's representatives and	2
				9
				4
				6
				11
				4

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		week to workers by PMC team & EPC safety officer at 220/33 kV Chhaygaon S/S.	Labour	11
6.	14.03.2023	Training on EHS&S aspects and GRM program at 220/132 kV Agomoni GIS Substation (Near residential area).	PIU EPC Contractor's representatives and labour	1 1 14
7.	15.03.2023	Training on GRM awareness program at 220/132 kV Agomoni GIS Substation (Near residential area)	Public representatives	16
8.	11.04.2023	Training on EHS&S aspects at Bihpuria GIS substation.	EPC Contractor's representatives and Labour	2 14
9.	20.04.2023	Training on EHS&S aspects at Dibrugarh to Lakwa Line.	EPC Contractor's representatives and Labour	1 5
10.	11.05.2023	Training on EHS&S aspects at Agomoni GIS substation.	EPC Contractor's representatives and Labour	1 14
11.	18.05.2023	Training on EHS&S aspects at Sankardevnagar GIS substation.	EPC Contractor's representatives and Labour	2 10
12.	19.05.2023	Training on EHS&S aspects at Bihpuria GIS substation.	EPC Contractor's representatives and labour	1 5
13.	22.05.2023	Basic safety training is given by PMC officials to the newly recruited safety officer regarding updating the E & S related registers and checklist and maintaining health and safety at 220/33 kV Nagaon-2 S/S.	PMC EPC Contractor	1 1
14.	24.05.2023	Training on EHS&S aspects at Khumtai GIS substation.	EPC Contractor's representatives and Labour	4 24
15.	02.05.2023	Training on EHS&S aspects and Mock Drill at Dibrugarh to Lakwa Line.	EPC Contractor's representatives and labour	1 15
16.	01.06.2023	Training on EHS&S aspects at Kukurmara grid substation.	EPC Contractor's representatives and Labour	2 12
17.	16.06.2023	Training on EHS&S aspects at Kukurmara grid substation.	EPC Contractor's representatives and Labour	4 7

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 January to June, 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.

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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 seven labours fingers and thumb fracture of one labour 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 one minor cut injury happened in Nagaon-2 substation site during working in officer's hostel. Thirty-one incidents of minor cuts on the hand, incidents of back pain, and fever were reported from the Jakhlabandha substation, six 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 three minor cut and foot injuries happened in Agomoni 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 period of July to December, 2022 updated and submitted to AIIB on 10th February, 2023 and approval received from AIIB on 13th February, 2023.
- CESMP reports for Package – B, updated and submitted to AIIB on 2nd January, 2023 and approval received from AIIB on 13th January, 2023.
- CESMP reports for Package – L, updated and submitted to AIIB on 19th January, 2023 and approval from AIIB received on 30th January, 2023.
- Updated CESMP of Package – J submitted to AIIB on 10th February, 2023 and approval received on 16th February, 2023
- Training on Environmental Health Safety & Social aspects at Bihpuria GIS substation conducted by PMC Social Expert to the EPC contractor and laboures/workers on 16th February, 2023.
- Updated CESMP of Package – K submitted to AIIB on 18th February, 2023 and approval received from AIIB is awaited.

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- Abbreviated Resettlement Action Plan (ARAP) of Nagaon-2 GIS substation under Package - B and Bihpuria GIS substation under package – A was submitted to AIIB on 15th February and 18th March, 2023 respectively. The approval of Nagaon-2 GIS substation received from AIIB on 23th February, 2023 and approval of Bihpuria GIS substation received from AIIB on 28th April, 2023.
- During the reporting period Advance Bank Guarantee submitted by EPC Contractor, M/s SUMAJA ELECTROINFRA Pvt. Ltd. Package –F to AEGCL in the month of March, 2023 and notice to proceed with the work for conversion of existing 132/33kV Gohpur AIS to GIS Package - F has been issued on 3rd April, 2023 and the contract was effected from 8th April, 2023.
- Training program on Environment, & Safety compliance conducted for EPC contractors by E&S Officials of PMU, AEGCL and PMC at the Conference Hall of 132/33 kV Narengi GIS Substation on 3rd March, 2023.
- Training program on Environment, Health, Safety for 52 national safety week conducted to the workers/labours by PMC team & EPC safety officer at 220/33 kV Chhaygaon S/S on 6th March, 2023.
- Approved E&S Checklists are regularly filled by EPC Contractors as per the working condition at the respective project site.
- Public awareness program on Grievance Redressal Mechanism provided by PMC/EPC Contractors at Nagaon-2, Jakhlbandha, Agamoni, Sankardevnagar, Bihpuria, Package – M and Khumtai Substation site.
- Training on Environmental Health Safety & Social aspects at Kukurmara grid substation for package- I conducted by PMC Social Expert to the EPC contractor and laboures/workers on 16th June, 2023.
- 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 Grievance 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
1	Complain received from the residents near the substation	Bihpuria substaion 18.01.2023	Local farmer complained about excavated soil that had been stacked at his farm land.	Issue resolved on the same day (18.01.2023)	Excavated soil removed from the farmers land by EPC.
2	Complain received from the residents near the substation	Bihpuria substaion 27.01.2023	Local People complained about dust during the movement of vehicle at site.	Issue resolved on the same day (27.01.2023)	Sprinkle of water to suppress the dust.
3	Complain received from the residents near the substation.	Jakhlbandha Substation 12.01.2023	Dust pollution due to vehicle movement.	Issue resolved on the same day (12.01.2023)	Water sprinkled on the approach road.
4	Complain	Jakhlbandha	Dust pollution due to	Issue resolved	

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Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance/Complain	Timeline*	Remarks
	received from the residents near the substation.	Substation 20.01.2023	vehicle movement.	on the same day (20.01.2023)	
5	Complain received from the residents near the substation.	Jakhlbandha Substation 20.01.2023	Dust pollution due to vehicle movement.	Issue resolved on the same day (20.01.2023)	
6	Complain received from Student Union	Bihpuria substation 04.02.2023	During Assam Sahityo sabha local student union request EPC to close work for one day.	Issue resolved on the same day (04.02.2023)	
7	Complain received from the residents near the substation	Jakhlbandha Substation 07.02.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (07.02.2023)	Water sprinkle on the approach road to mitigate the dust issue.
8	Complain received from the residents near the substation	Agamoni substation 07.02.2023	Dust Sprayed on road due to movement of vehicle	Issue resolved on the same day (07.02.2023)	Water sprinkle provided on the road to suppressed the dust
9	Complain received from the residents near the substation.	Bihpuria substation 09.02.2023	Local People complained about dust during the movement of vehicle at site.	Issue resolved on the same day (04.02.2023)	Sprinkle of water to suppress the dust.
10	Complain received from the residents near the substation	Sankardevnagar substation 11.02.2023	Dust pollution due to movement of vehicle	Issue resolved on the same day (11.02.2023)	Water sprinkle provided on the approach road
11	Complain received from the residents near the substation	Burhigaon substation 12.02.2023	Dust flying on the road due to vehicle movement of the proposed sub-station.	Issue resolved on the same day (14.02.2023)	Water sprinkle on the road.
12	Complain received from the residents near the substation	Jakhlbandha Substation 13.02.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (13.02.2023)	
13	Complain received from the residents near the substation	Bihpuria substation 14.03.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (14.02.2023)	Sprinkle of water to suppress the dust.
14	Complain received from the residents near the substation	Jakhlbandha Substation 15.02.2023	Boundary wall land back-filling	Issue resolved on next day (16.02.2023)	Back filling done in the excavated area.
15	Complain received from	Jakhlbandha Substation	Issue of dust pollution due to movement of	Issue resolved on the same	Waer sprinkle on the approach road

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Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance/Complain	Timeline*	Remarks
	the residents near the substation	21.02.2023	vehicles.	day (21.02.2023)	to mitigate the dust issue
16	Complain received from the residents near the substation	Jakhlbandha Substation 27.02.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (27.02.2023)	
17	Complain received from the residents near the substation	Bihpuria substation 29.03.2023	A local person complained that remove the chips and sands that are kept in the paddy field before the cultivation season.	Issue resolved after two days (31.03.2023)	The chips and sands have been removed from the paddy field.
18	Complain received from the residents near the substation	Jakhlbandha substation 2 nd , 8 th , 14 th , 20 th , 24 th , 27 th , 31 st March, 2023	Issue of dust pollution due to movement of vehicles.	Issues were resolved on the same day after receiving the complaint	Water sprinkle on the approach road to mitigate the dust issue
19	Complaint received from the Market area near the substation	Agamoni Substation 09.03.2023	A worker went to the market and used abusive language to local people from the nearest village.	The matter was settled through seeking apology for the misbehaviour by the labour. Also counselling was provided to all labours to maintain good behaviour to the local community.	Maintain safe and good behaviour to avoid any such type of incident.
20	Local public (Verbal)	Bihpuria substaion 05.04.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (05.04.2023)	Sprinkle of water to suppress the dust.
21	Complain received from the residents near the substation.	Sankardevnagar substaion 05.04.2023	Entrance of the existing Namghar is damage due to movement of cement loaded vehicles to godrej project.	Issue resolved on 26.04.2023	Entrance road rectified.
22	Complain received from the residents near the substation.	Sankardevnagar substaion 05.04.2023	Roads damage due to movement of heavy vehicle related to Godrej project. i. Approach road from highway towards substation and Towards Control room	Issue resolved on 27.04.2023 & 28.04.2023	Approached road backfilled and rectified. It was rectified on time,

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Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance/Complain	Timeline*	Remarks
			gate.		
23	Complain received from the residents near the substation.	Sankardevnagar substaion 05.04.2023	Culvert damage due to movement of heavy vehicles to ongoing Godrej project.	Issue resolved on 25.04.2023	Culvert rectified
24	Local public (Verbal)	Jakhlbandha Substation 05.04.2023	Dust pollution due to vehicle movement.	Issue resolved on the same day 5.04.2023	Water sprinkled done on the approach road.
25	Local public (Verbal)	Jakhlbandha Substation 10.04.2023	Dust pollution due to vehicle movement.	Issue resolved on the same day 10.04.2023	Water sprinkled done on the approach road.
26	Local residents near the substation.	Chhaygaon substaion 12.04.2023	The vehicle coming to substation through village govt.and public road at a high speed. Due to which local people are facing difficulties. People suggested the driver to drive slowly.	Issue resolved on the same day (12.04.2023)	Proper instruction given to the driver to maintained 20 km/hrs speed on the village roads.
27	Local public (Verbal)	Bihpuria substaion 12.04.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day (12.04. 2023)	Sprinkle of water to suppress the dust.
28	Local public (Verbal)	Jakhlbandha Substation 17.04.2023	Dust pollution due to vehicle movement.	Issue resolved on the same day (17.04. 2023)	Water sprinkled on the approach road.
29	Local public (Verbal)	Jakhalabandha Substation 02.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 02.05.2023.	Water was sprinkle to reduce the dust particle.
30	Local public (Verbal)	Bihpuria Substation 06.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 06.05.2023.	Water was sprinkle to reduce the dust particle.
31	Local public (Verbal)	Nagaon Substation 6.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 06.05.2023.	Water was sprinkle to reduce the dust particle.
32	Residents near the substation.	Shankardev Nagar Substation 06.05.2023	Service road should be maintained in good condition from office to highway and resident quarter	Issue resolved on 07.05.2023.	Repairing done to damage portion of the service road.
33	Local public (Verbal)	Bihpuria Substation 10.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 10.05.2023.	Water was sprinkle to reduce the dust particle.
34	Local public (Verbal)	Jakhalabandha Substation 10.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 10.05.2023.	Water was sprinkle to reduce the dust particle.

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Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance/Complain	Timeline*	Remarks
35	Local public (Verbal)	Jakhalabandha Substation 16.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 16.05.2023.	Water was sprinkle to reduce the dust particle.
36	Local public (Verbal)	Shankardev Nagar Substation 18.05.2023	Dust spread from service road due to vehicle movement to the substation.	Issue resolved on 20.05.2023.	Water was sprinkle to reduce the dust particle.
37	Local residents near the substation.	Burhigaon Substation 18.05.2023	Barricading need to be done on the road side of substation.	Issue resolved on 21.05.2023.	Barricading done on the road side.
38	Local public (Verbal)	Nagaon Substation 20.05.23	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 20.05.2023	Water was sprinkle to reduce the dust particle.
39	Local public (Verbal)	Jakhalabandha Substation 26.05.2023	Dust pollution due to vehicle movement	Issue resolved on the same day 26.05.2023.	Water sprinkled on the approach road.
40	Local public (Verbal)	Nagaon Substation 29.05.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 29.05.2023.	Water was sprinkle to reduce the dust particle.
41	Local public (Verbal)	Bihpuria Substation 01.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 01.06.2023.	Water was sprinkle to reduce the dust particle.
42	Local public (Verbal)	Jakhalabandha Substation 02.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 02.06.2023.	Water was sprinkle to reduce the dust particle.
43	Local public (Verbal)	Bihpuria Substation 06.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 06.06.2023	Water was sprinkle to reduce the dust particle.
44	Local public (Verbal)	Nagaon Substation 06.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 06.06.2023	Water was sprinkle to reduce the dust particle.
45	Local public (Verbal)	Nagaon Substation 08.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 08.06.2023.	Water was sprinkle to reduce the dust particle.
46	Local public (Verbal)	Jakhalabandha Substation 10.062023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 10.062023.	Water was sprinkle to reduce the dust particle.
47	Local public (Verbal)	Burhigaon Substation 11.06.2023	Housekeeping need to be done on the road side of substation area.	Issue resolve on 12.06.2023.	Housekeeping done on the road side.
48	Local Public	Chhaygaon Substation 13.06.2023	Issue of the vehicle is running at a high speed. The local public facing lot of difficulty	Issue resolved on the same day 13.06.2023	Instructed the driver to maintain the vehicle speed @ 20 km/hrs on village road

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Sl. No.	Complain/s	Location/s and Date/s of Complain	Description of Grievance/Complain	Timeline*	Remarks
49	Tea Garden Public	Khumtai Substation 14.06.2023	Damage of approach road due to the movement of vehicle inside the tea garden	Issue resolved on the same day 14.06.2023.	Sand gravel spread on the damaged portion of the road inside the tea garden.
50	Local People	Pkg-M (Lower Assam) 15.06.2023	The EPC using the village road to reach their work site, which is wet due to continuous rain and damages the road further. The villagers stopped the vehicle movement of EPC.	Issue resolve on 19.06.2023.	Discussed with the local public/villagers and inform them that the work is at the final stage and within a few days work will be completed. The villagers asked EPC to use only one vehicle and not to use multiple vehicles.
51	Local public (Verbal)	Jakhalabandha Substation 16.06.2023	Issue of dust pollution due to movement of vehicles.	Issue resolved on the same day 16.06.2023.	Water was sprinkle to reduce the dust particle.

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 submitted	Submit copies of permissions /consents before respective activity	EPC contractors	Immediate arrangement before respective activity	Observation / review with EPC contractors / update record
2.	Forest clearance for T/L of package H (Sonapur) is yet to be obtained from Forest Department.	PIU/PMU/PMC requires expediting the process of Forest clearance for T/L of package H (Sonapur) from Forest Department.	PIU / PMC / PMU	Immediate arrangement before respective activity	Review with AEGCL/ Forest Department
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	Immediate arrangement before respective activity	Review with AEGCL /Forest Department
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.	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 facility to be provided by EPC contractors.	EPC contractors	Immediate arrangement	Need to comply 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	Immediate arrangement	Observation / review with EPC contractors / update record
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	Regularly	Regularly need to be conducted by PMC/ EPC contractors /

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Sl. No.	Key issues	Action Required	Responsibility	Target Date	Indicator of Compliance /Corrective actions plan
7	PIU/PMC to ensure for fillingup of necessary work related Checklist by EPC contractors in all the ongoing working sites.	Necssary work related checklist to be filled up by EPC	PIU / PMC / EPC Contractor	Regularly	Observation / review with EPC contractors / update record
8	PMU/PIU/PMC to ensure that all EPC contractors will comply with proper housekeeping, proper drainage facilities/wasteman agement facilities at all substation sites.	EPC contractor should ensure with proper housekeeping, drainage facilities etc	EPC Contractor	Immediate arrangement	Observation / review with EPC contractors / update record
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 working site	EPC Contractor	Immediate arrangement	Observation / review with EPC contractors / update record

10.0 Conclusion and Recommendations

EPC contractors have resolved/settled minor issues 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 site and timely completion of project.

EPC contractors are to comply with the following on 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 (Jan-June, 2023)

Package	Location	No. of Site visit	Date of Site Visit		Remarks
A	220/33kV Jakhalabandha GIS Substation	17	04.01.2023 06.01.2023 12.01.2023 19.01.2023 02.02.2023 08.02.2023 15.02.2023 17.02.2023	02.03.2023 24.03.2023 28.03.2023 10.04.2023 11.04.2023 18.04.2023 19.05.2023 19.06.2023	Monitoring of E&S Activities/ Training programme
	220/33 kV Bihpuria (New) GIS Substation	16	10.01.2023 13.01.2023 04.02.2023 07.02.2023 16.02.2023 17.02.2023 10.04.2023 11.04.2023 17.05.2023	19.05.2023 20.05.2023 16.06.2023 19.06.2023 20.06.2023 21.06.2023 22.06.2023	Monitoring of E&S Activities/ Training programme
B	220/33kV Nagaon-2 GIS Substation	24	03.02.2023 06.02.2023 10.02.2023 13.02.2023 16.02.2023 17.02.2023 18.02.2023 22.02.2023 24.02.2023 28.02.2023 04.03.2023 09.03.2023	14.03.2023 31.03.2023 03.04.2023 06.04.2023 10.04.2023 04.05.2023 09.05.2023 16.05.2023 22.05.2023 24.05.2023 02.06.2023 07.06.2023	Monitoring of E&S Activities/ Training programme
	220/33kV Chhaygaon GIS Substation	10	02.02.2023 08.02.2023 15.02.2023 06.03.2023 29.03.2023	13.04.2023 26.04.2023 08.05.2023 20.05.2023 07.06.2023	Monitoring of E&S Activities/ Training programme
C	132/33kV Burhigaon S/S	15	05.01.2023 20.01.2023 03.02.2023 09.02.2023 24.02.2023 18.03.2023 23.03.2023	01.04.2023 03.04.2023 06.04.2023 13.04.2023 16.05.2023 26.05.2023 12.06.2023 26.06.2023	Monitoring of E&S Activities/ Training programme
D	132/33kV, 2X50 Kumtai S/S	23	04.01.2023 24.01.2023 27.01.2023 22.02.2023 01.03.2023 06.03.2023 27.03.2023 28.03.2023 07.04.2023 18.04.2023	26.04.2023 10.05.2023 16.05.2023 22.05.2023 24.05.2023 29.05.2023 02.06.2023 13.06.2023 21.06.2023 26.06.2023	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	9	19.04.2023 24.04.2023	28.06.2023	Monitoring of E&S Activities/ Training programme
			27.01.2023 17.02.2023 19.02.2023 28.03.2023 05.04.2023	27.04.2023 09.05.2023 25.05.2023 05.06.2023	
E	220/132kV, 2X160 MVA GIS Sankardevnagar S/S	19	07.01.2023 09.01.2023 21.01.2023 27.01.2023 01.02.2023 09.02.2023 20.02.2023 22.02.2023 28.02.2023 03.03.2023	08.03.2023 10.03.2023 04.04.2023 18.05.2023 23.05.2023 26.05.2023 01.06.2023 13.06.2023 27.06.2023	Monitoring of E&S Activities/ Training programme
	220/132kV, 2X160 MVA GIS Agomani S/S	6	17.02.2023 18.02.2023 14.03.2023	15.03.2023 21.03.2023 27.06.2023	
L	Kukurmara – Sarusajai 220kV D/C line HTLS restringing	8	12.01.2023 18.01.2023 25.01.2023 07.02.2023	10.02.2023 22.02.2023 17.03.2023 22.03.2023	Monitoring of E&S Activities/ Training programme
M	132kV Kokrajhar to Salakati	5	17.02.2023 13.03.2023 16.03.2023	08.05.2023 09.05.2023	Monitoring of E&S Activities/ Training programme
	220kV Mariani to Namrup	9	06.01.2023 13.02.2023 14.02.2023 20.02.2023 06.03.2023	09.03.2023 28.03.2023 20.04.2023 02.05.2023	Monitoring of E&S Activities/ Training programme

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

B. Site visit details for Transmission lines (Jan-June, 2023)

Package	Location	No. of Site visit	Date of Site Visit		Purpose
A	220 kV Bihpuria (New) - Sonabil (Existing) D/C	1	22.05.2023		Land owner identification
	LILO of 220 kV Samaguri - Mariani line at Jakhlabandha (New) S/C	03	12.04.2023 19.05.2023	19.06.2023	Socio economic survey
B	LILO of 220 kV Azara – Boko (AEGCL-Existing) D/C Line at Chhaygaon	06	14.03.2023 04.05.2023 08.05.2023	07.06.2023 16.06.2023 19.06.2023	Socio economic survey/Land owner identification
	LILO of Samaguri (AEGCL- Existing) – Sarusajai (AEGCL-Existing) 220 kV D/C Line at Nagaon-2	03	22.03.2023 29.05.2023	21.06.2023	Land owner identification
C	132 kV LILO of Siphajhar - Rowta Transmission Line at Burhigaon GIS		27.03.2023 28.03.2023 29.03.2023	30.03.2023 02.04.2023 05.04.2023	Socio economic survey/Land owner identification
D	LILO of 220kV Samaguri - Mariani line 1 at Khumtai	02	06.04.2023	15.05.2023	Detail Survey
	LILO of 132 kV Jorhat (W) - Bokakhat (Existing) at Khumtai (New) S/C Line	02	07.04.2023	16.05.2023	Detail Survey
	132 kV Khumtai (New) - Sarupathar (Existing) S/C Line – 61.20 km	08	10.04.2023 25.05.2023 03.06.2023 09.06.2023	12.06.2023 20.06.2023 23.06.2023 27.06.2023	Socio economic survey/Land owner identification
E	220kV D/C Transmission Line from Sankardevnagar - Misa S/S	00	00		No any progress at present
	220kV LILO of both Circuit of Alipurduar – Bongaigaon (PGCIL) D/C Line at Agomoni	1	11.05.2023		Verification of ROW issues.

Some photographs of Site visit:



Photo Plate 1 – Uprooting tea brushes at Khumtai S/s



Photo Plate 2 - Worker wear FBSH while working at height (Chhaygaon S/s)



Photo Plate 3 - PMC E&S team monitoring labour's safety at Jakhalabandha S/s



Photo Plate 4 - Inspection of project related documents at Nagaon-2 S/s



Photo Plate 5 – Site Safety Disply Board at Sankardevnagar S/s.



Photo Plate 6 – First-Aid box at Agomoni S/s

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



Photo Plate 7 – Workers are equipped with PPEs at Burhigaon S/s



Photo Plate 8- Pre-monsoon Environmental Quality Monitoring test at Chhaygaon S/S.



Photo Plate 9 – Workers wearing proper PPEs during slab casting work at Burhigaon S/S



Photo Plate 10 – Soil compaction test at Khumtai S/S



Photo Plate 11- Placed Lighting facilities at Sankardevnagar S/S.



Photo Plate 12 - Posters displayed at Sankardevnagar S/S.

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



Photo Plate 13 - Pre monsoon Environmental Quality Monitoring test at Burhigaon S/S.



Photo Plate 14 - Celebrating world Environment Day at Sankardevnagar S/S.



Photo Plate 15 - Celebrating world Environment Day at Chhaygaon S/S.



Photo Plate 16 - Meeting with AGM, Dhaligaon regarding Row Issue of Package-M (Lower Assam).

Some photographs of Training Program:



Photo Plate 1 - Onsite training program on Environment, Health, Safety and Social aspects at Salakati (Pkg-M)



Photo Plate 2 - Onsite training program on Environment, Health, Safety and Social aspects at Bihpuria S/s.

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

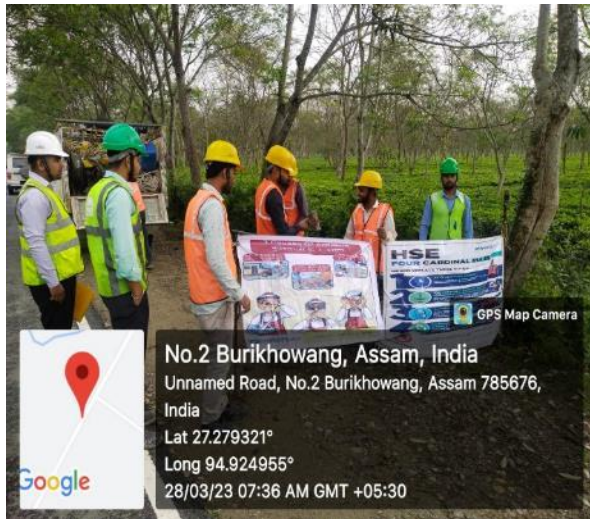


Photo Plate 3 - Onsite training program on Environment, Health, Safety and Social aspects at Dibrugarh (Pkg-M)



Photo Plate 4 - Onsite training program on Environment, Health, Safety and Social aspects at Chhaygaon S/s



Photo Plate 5 – Onsite training program on Environment, Health, Safety and Social aspects at Nagaon-2 S/S.



Photo Plate 6 - Onsite training program on Environment, Health, Safety and Social aspects at Bihpuria S/S



Photo Plate 7 – On-site EHS training conducted at Agomani S/S.



Photo Plate 8 – TBT conducted at Burhigaon S/s

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



Photo Plate 9 - EH&S training program at Dibrugarh to Lakwa line OPGW



Photo Plate 10 - EHS&S training program at Khumtai S/S

Some photographs of Public Consultation:



Photo Plate 1&2 – Public Consultation with local residents at Agomoni S/S

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



Photo Plate 3&4- Public Consultation with females residing near Bihpuria S/s



Photo Plate 5&6- Public Consultation with local residents at Salakati (Pkg-M)



Photo Plate 7&8 - Public Consultation with local residents near Sankardevnagar S/s

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



Photo Plate 9 – Community consultation at Burhigaon S/s



Photo Plate 10 - Conducted public consultation nearby Khumtai S/S site



Photo Plate 11 - Public consultation at 132 kV Khumtai - Sarupathar (Existing) S/C Line



Photo Plate 12 - Community consultation near Nagaon 2 S/S



Photo Plate 13 - Conducted public consultation near Bhipuria S/S



Photo Plate 14 - Public consultation with the villagers in 132 kV Dibrugarh to Lakwa Line OPGW

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



Photo Plate 15 - Public consultation with the villagers regarding ROW issue in 132 kV Kokrajhar to Salakati Line OPGW



Photo Plate 16 –Consultation with Socio economic survey of Land owner for Nagaon-2 TL

Some photographs of Medical health Check-up:



Photo Plate 1&2 - Health Check-up Camp organize by EPC Contractor at Nagaon-2 S/s



Photo Plate 3 - Organised Medical Health Check-up for the workers at Jakhlabandha S/s.



Photo Plate 4 - Health check-up camp at Shankardevnagar S/S.

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



Photo Plate 5 – Organised Health check-up camp at Agomani S/S.

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



Photo Plate 1 – Joint land demarcation survey by AEGCL, APDCL, PMC and EPC officials at Nagon S/S.



Photo Plate 2 – Jointly conducted land owner identification survey at Jakhalabanda S/s



Photo Plate 3 – Conducted joint survey of Land owner identification by PMC, Circle office & EPC officials for Siphajhar - Rowta T/L at Burhigaon S/S.



Photo Plate 4 - Transmission line reroute survey is under progress for Bihpuria to Sonabil T/L at Bihpuria.

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



Photo Plate 5 – Conducting Check Survey of Transmission Line of 220 kV Samaguri - Mariani line at Jakhlabandha.



Photo Plate 6 - Landowner identification Survey of 220 kV Azara – Boko D/C line at Chhaygaon

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

Appendix 2: Attendance sheets some of the consultations

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

Date: 10/02/2023

LIST OF PARTICIPANTS
Consultations with Females and other vulnerable

Venue - Nagaon-2
Date - 10/02/2023

SL. NO	Name	Age	Sex (M/F)	IP (Y/N)	Education	Occupation	Project Affected (yes/No)	Signature
1	Sutia Bibi	41	F	N	class-VII	House wife	No	সুতীয়া বিবি
2	Amina Bibi	44	F	N	class-X	House wife	No	আমিনা বিবি
3	Junuma Bibi	37	F	N	class-VI	House wife	No	জুনুমা বিবি
4	Hamela Khatun	61	F	N	class-III	House wife	No	হামেলা খাতুন
5	Alisa Bibi	63	F	N	class-II	Housewife	No	আলিসা বিবি
6	Sultana garmin	34	F	N	class-IX	House wife	No	Sultana yasmin
7	Alimuddin Ali	31	M	N	class-X	Labourer	No	আলিমুদ্দিন আলি
8	Rajab Ali	29	M	N	class-VII	Labourer	No	রাজাব আলি

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

Attendance Sheet of Training program on EHS&S aspects at Salakati (Pkg-M)

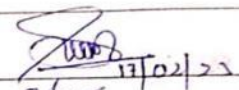
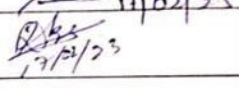
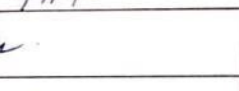
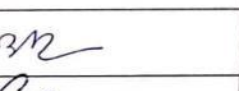
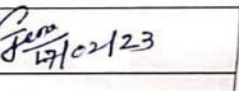
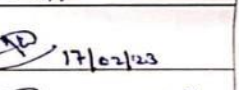
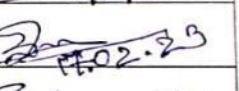
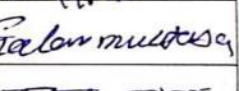
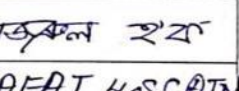
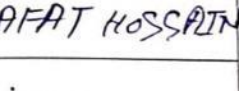
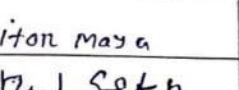
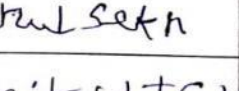
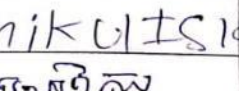
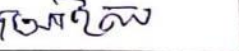


ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

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

Date: 17/02/2023

Venue: 132 KV Kokrajhar - Salakati
Line, Package - M



SL. No	Name	Designation & Organization	Contact Number	Signature
1.	S. Pandey	AEGCL DM	7002497638	
2.	D. Dutta Baruah	AEGCL AM	8011925974	
3.	Nipunjay Kalik	Communication Engr. PNC	8638107151	
4.	Bijit Baruah	Evs. Investigation Officer	7002852186	
5.	Chittaranjan Jena	Site Incharge SPTL	6371235110	
6.	Atique Ahmad	Site Safety Officer (SPTL)	8651327704	
7.	Biswajy Roy	Site Supervisor	8876618456	
8.	Gulam Murteza	Group Leader	9339590719	
9.	Nasrul Hossain	Helper		
10.	Arafat Hossain	Fitter		
11.	Titon Maya	Fitter		
12.	Rahul SK	H		
13.	Anikul Islam	H		
14.	Jimu Hossain	H		

15) Raju SK

"

RAJU SK

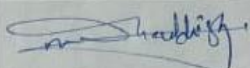
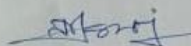
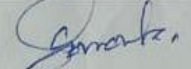
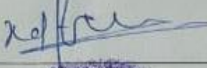





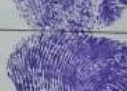

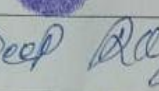
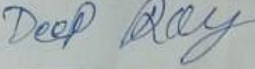
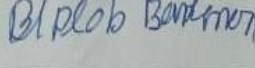
Attendance Sheet of Training program on EHS&S aspects at Chhaygaon S/s



ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

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

Date: 06/03/2023 Venue: Chhaygaon S/S

SL. No	Name	Designation	Contact Number	Signature
1	md. Haddish	EHS OFFICER	9340742194	
2	Manoj Kumar Rajbhar	Executive Store	7678926274	
3	Gurupada Samal	SUPERVISOR	7019651944	
4	MD. ASLAM	ENGINEER	7979844617	
5	Arbun Ray			
6	Jaydeep Sutra			
7	Kamal barmann			
8	Pranab			
9	Sibban das			
10	Ghivadaas			
11	Alam Ali			
12	Pintu Ray			
13	Deepjyoti Ray	Helper		
14	Biplob Barman	Mistry		


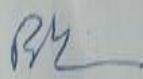
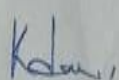
Assam Intra-State Transmission System Enhancement Project, Phase-1

ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT



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

Date 06/03/2023 Venue Chhaygaon S/S

SL. No	Name	Designation	Contact Number	Signature
15	Jesatu Barman	Helper		
16	Bijit Borah	Env. Inv. officer	7002852186	
17	Kaushik Das	Social Inv. officer	6001618055	

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

Attendance Sheet of Training Program on Environmental, Health, Safety and Social aspects at Dibrugarh, Pkg-M

ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendant Sheet of EHS&S Training Program.

Name of the Sub Project..... DIBRUGARH TO LAKWA OPGW

Date..... 28/03/2023 Venue..... N02 Burikhowang, Assam.

Sl. No.	Name	Designation	Contact Number	Signature
17	Satyam Raj	EHSO	9304417172	<i>Satyam Raj</i>
18	Balmiki Kumar	EHSO	8271323536	<i>Balmiki Kumar</i>
19	Bhaskar Boruah	Environment Investigation Officer		<i>Bhaskar</i>
20	Rahul K Gupta	Social Investigation Officer		<i>Rahul</i>
21	Mayur Choudham	Non Key Expert		<i>Mayur</i>
22	Dineshwar yoti kalita	Communication Engineer.		

Satyam Raj
PMC

Bhaskar
PMC

Rahul
PMC

Mayur
PMC

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

Attendance Sheet of awareness program with local community at 132 kV Khumtai to Sarupathar line

Line: 132 kV D/C Khumtai to Sarupathar
line

LIST OF PARTICIPANTS

Consultations with Females and other vulnerable

Date: 06/04/2023
Venue: Sarupathar

SL. NO	Name	Age	Sex (M/F)	IP (Y/N)	Education	Occupation	Project Affected (yes/No)	Signature
01	Purna Gogoi	40	M	N	HSLC	Farmer	NO	গুণ সর্গ
02	Nikhi/ Hondipui	60	M	N	8 passed	Farmer	NO	নিকি হন্ডিপুই
03	Hemanta Gogoi	56	M	N	9 passed	Farmer	NO	হেমন্ত গগৈ
04	Chandan Thakur	35	M	N	9 passed	Barber	NO	চন্দন ঠাকুর
05	Rajan Hemram	44	M	N	7 passed	Farmer	NO	রাজন হেমরাম
06	Kaluwa Saram	60	M	N	7 passed	Farmer	NO	কালুয়া সারাম
07	Debaram kishku	69	M	N	5 passed	Farmer	NO	দেবরাম কিশকু
08	Bharati Hemram	35	F	N	8 passed	Business	NO	Bharati Hemram
09	Bishwa Hemram	57	M	N	8 passed	Business	NO	Bishwa Hemram

Bhaskar Boruah
(Environment Investigation Officer)
06/04/23
PMC

Rahul Kumar Gupta
(Social Investigation Officer)



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

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



ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

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


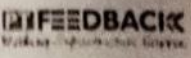
Date: 11/04/23

Venue: Bihpuria S/s, 220/33 KV BLS S/S, Bihpuria

SL. No	Name	Designation	Contact Number	Signature
1	Saddam Hussain	skilled	8099298870	Saddam
2	Muktar Ali	skilled	6900396447	M. Ali
3	Mukundal Islam	unskilled		Mukundal
4	Asik Ali	unskilled	9265158476	Asik
5	Bildar Hussain	unskilled		Bildar
6	Jaiyul Islam	unskilled		Jaiyul
7	Akter Ali	skilled	8812881538	A. Ali
8	Habibul Islam	unskilled		Habibul
9	Enamul Haq	unskilled	7356014937	Enamul
10	Ajibul Rohman	unskilled		A. J. R.
11	Kabirchand Rai	unskilled	8638896836	Kabirchand
12	Minson Changma	unskilled		M. Changma
13	Asarait Changma	unskilled		A. CHANGMA
14	Hamidul Haq	unskilled		Hamidul

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

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

ASSAM INTRA-STATE TRANSMISSION SYSTEM ENHANCEMENT PROJECT

Attendance Sheet: Training Program On Environment and safety Compliance For EPC

Contractor

Date 11/05/2023 Venue 220/132 KV Agomani S/S

SL No	Name	Designation	Contact Number	Signature
1.	Upal Sen	Labour	9859440562	Upal Sen
2.	Mahesh Chandra Barman	"	6787924578	Mahesh Ch. Barman
3.	Rahul Barman	"		R. Barman
4.	Amulya Barman	"		Amulya Barman
5.	Bishnu Barman	"	7002631600	Bishnu Barman
6.	Nitish Kumar	"		Nitish Kumar
7.	Sidho Kumar	"		
8.	Gopi kumar	"		Gopi Kumar
9.	Suman kumar	"		Suman Kumar
10.	Danesh kumar	"	6008792641	DK
11.	Jivan kumar	"		
12.	Santosh kumar	"		
13.	Danesh Das	"	600876294	Danesh Das
14.	Amarjeet kumar	"		

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

Attendance Sheet of awareness program with local community at 132 kV Kokrajhar to Salakati line

Attendant Sheet of Public Consultation

(LIST OF PARTICIPANTS)

SL NO	Name	Age	Sex (M/F)	IP (Y/N)	Education	Occupation	Project Affected (yes/No)	Signature
①	Niranjana Kachari	38	M	NO	Class-7	Daily Labour	yes	NIRANJANA Kachari
②	Rahul Boro	34	M	"	Class-IX	Daily Labour	yes	R. BORO
③	Rahima Khatun	42	F	"	Nil	H. wife	yes	Rahima Khatun
④	R Sima Bibi	45	F	"	Class-III	H. wife	yes	R. Bibi
⑤	Amrutan Husbair	30	M	"	H.S	Daily Labour	yes	Amrutan Husbair
⑥	Tarig Ali	28	M	"	H.S.L.C	Business	NO	Tarig Ali
⑦	Sundar Ali	50	M	"	Nil	Daily Labour	yes	Sundar Ali
⑧	Immandan Ali	35	M	"	IX	Business	yes	Immandan Ali
⑨	Rakoman Ali	40	M	"	6th	Business	yes	Rakoman Ali
⑩	Imman Husbair	33	M	"	HS	Daily Labour	yes	Imman Husbair
⑪	Sikhda Ahmed	50	M	"	Nil	Daily Labour	NO	Sikhda Ali

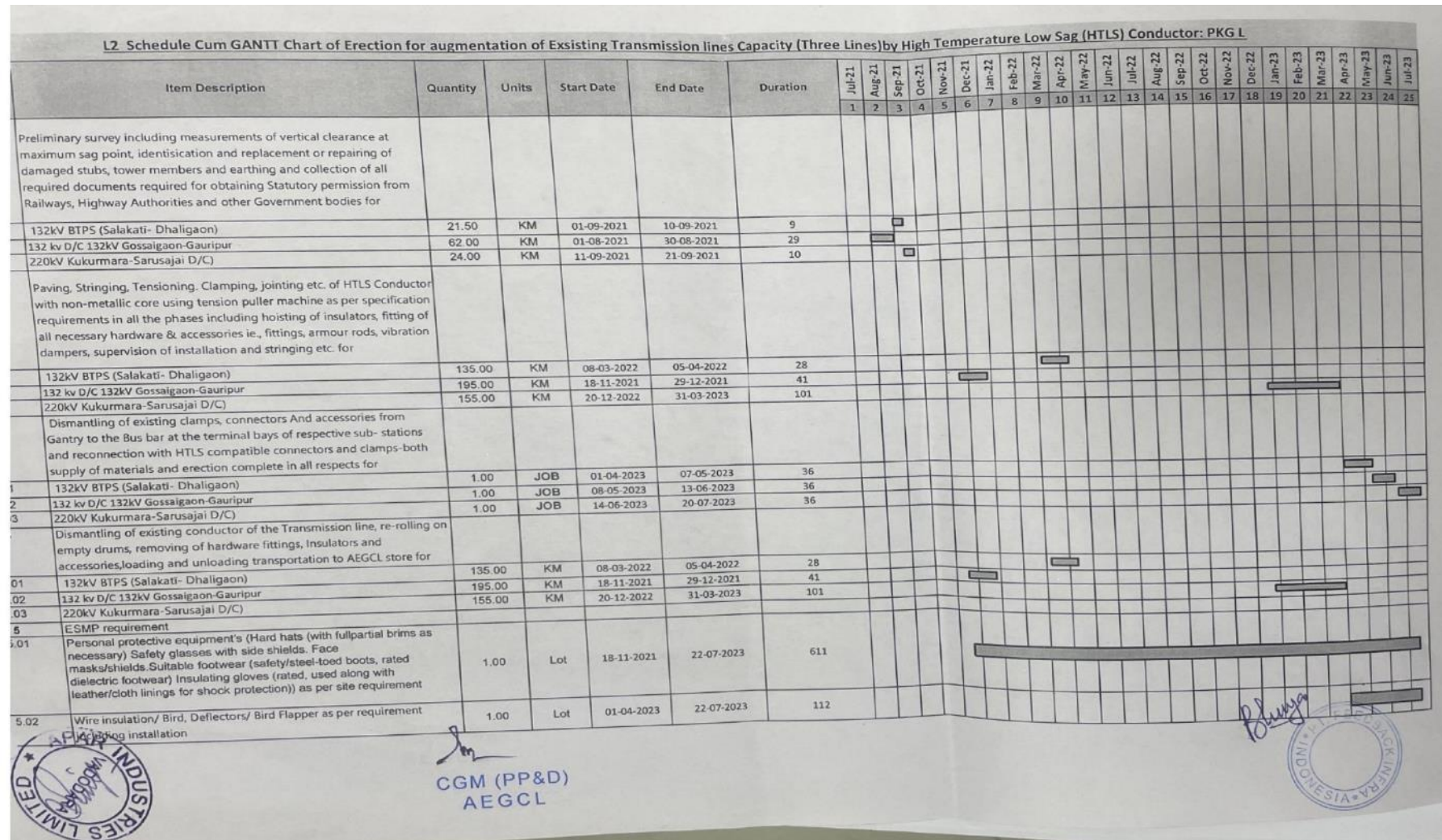
L2 Schedule Cum Gantt Chart of Supply for augmentation of Existing Transmission lines Capacity (Three Lines) by High Temperature Low Sag (HTLS) Conductor: PKG L																																																
Sl. No.	Item Description	Quantity	Units	Start Date	End Date	Duration	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	HTLS Conductor with composite Carbon core as per specification requirement						1																																									
1.01	132 kv BTP/Salakati - Dhalgaoon line JD/C (panther Equivalent)	155	KM	August 16, 2021	November 12, 2021	88 days																																										
1.02	132 kv Gossagaon - Gaourpur line S/C (panther Equivalent)	156.26	KM	August 16, 2021	November 21, 2021	97 days																																										
1.03	220 KV Kulkarni Sarusaji - D/C (Zebra equivalent)	155	KM	August 16, 2021	November 21, 2021	97 days																																										
2	Hardware fitting Suitable for Offered HTLS Conductor with composite carbon core																																															
2.01	Single Suspension Hardware Fittings complete for																																															
2.011	132 kv BTP/Salakati - Dhalgaoon line JD/C	275	Nos	September 2, 2021	December 20, 2021	109 days																																										
2.012	132 kv Gossagaon - Gaourpur line S/C	425	Nos	September 2, 2021	December 20, 2021	109 days																																										
2.013	220 KV Kulkarni Sarusaji - D/C	263	Nos	September 2, 2021	December 27, 2021	115 days																																										
2.02	Single Tension Hardware Fittings complete for																																															
2.021	132 kv BTP/Salakati - Dhalgaoon line JD/C	329	Nos	September 2, 2021	December 32, 2021	109 days																																										
2.022	132 kv Gossagaon - Gaourpur line S/C	260	Nos	September 2, 2021	December 32, 2021	109 days																																										
2.023	220 KV Kulkarni Sarusaji - D/C	379	Nos	September																																												



CGM (F&D)
AEGCL



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



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

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



No.WB/GUW/T-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..

22

-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.

NA

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 measured: -
 - 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.

haggc 05.11.11
Member Secretary
h

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 / Applicant and Designation : Ramjan Ali, Proprietor.
- iii) Address of the unit : Bheloguri, Modertoli, Hojai, Assam-782440
- iv) Cost of the project : 31.0Lakhs
- v) Types & Category of the Project : Stone Crusher (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:

- 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.
- The CTO is valid for a period up to **31.03.2025**.
- 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:-
 - Violation of any Terms and Conditions of this CTO;
 - Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
 - If any complaint received;
- The unit shall obtain prior 'Consent to Establish' from the Board for any further expansion, alteration, modification, modernization of the project.
- 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).
- Proper housekeeping shall be maintained. **Burning of any waste inside the premises is strictly prohibited.**
- The project proponent shall develop a greenbelt/plantation area with native trees covering at least **33%** of the total plot area.
- 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:

Longitude (East)	Latitude (North)
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 I(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

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), Bamunimaikum, Guwahati.

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

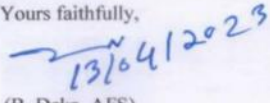
Reference: The Director, Directorate of Geology & Mining Assam's letter No. GM/MM/86-B (40)/Pt. IV/202-05, dtd. 10/04/2023.

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.

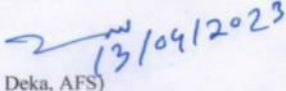
This is for favour of your kind information and necessary action

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-8/2022/116 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 : 17/04/2023
Time : 09:05:58 AM
Validity upto : 16/10/2023

Certificate SL No. : AS01700340000110
Registration No. : AS16AC2729
Date of Registration : 18/Dec/2015
Month & Year of Manufacturing : November-2015
Valid Mobile Number : *****8913
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : AS0170034
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL 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	1.07

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.in>

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 Gosaigaon
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
--	--	---

CERTIFICATE OF MEDICAL EXAMINATION
 For workmen engaged by contractors / sub-contractors

Certificate Sr. No. _____	Date <u>10-04-2023</u>
Name <u>Rafikul Sekh</u>	DOB <u>01/11/1995</u>
Father's Name <u>Nurul Sekh</u>	Gender <u>Male</u>
Identification Mark <u>cut on left hand</u>	Aadhaar No. <u>3586 6898 1030</u>
Residence Address <u>Ramrajy Maida</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;"> <tr> <td style="width: 50%;">- Heart Disease <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td style="width: 50%;">- Ear, Nose and Throat Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Diabetes <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Respiratory System Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Hypertension <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Circulatory System Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Asthma Chronic / Lung Disease <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Nervous System Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Tuberculosis <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Gastro-Intestinal System Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Dermatitis / Skin Disease <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Genito-urinary system Issues <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> </tr> <tr> <td>- Epilepsy / Fits / Fainting / Dizziness <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any other illness: <u>no</u></td> </tr> <tr> <td>- Chronic Abdominal / Digestive Disorder <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any major injury: <u>no</u></td> </tr> <tr> <td>- Hepatitis-B <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any physical disability: <u>no</u></td> </tr> <tr> <td>- Colour Blindness <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</td> <td>- Any allergy: <u>no</u></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>
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PARAMETERS EXAMINED BY MEDICAL INSPECTOR

Height <u>160</u>	Blood Pressure <u>120/80</u>	Blood Sugar Level <u>79</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 Nurul 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 of Medical Inspector / CMO

MO NCD
 Morang / 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.