



Environmental Monitoring Report

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Semestral Report: January 2025 – June 2025
November 2025

India: Uttarakhand Climate Resilient Power System Development Project

Prepared by the Power Transmission Corporation of Uttarakhand Limited (PTCUL) for the Asian Development Bank (ADB).

Asian Development Bank

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Environmental Safeguards Monitoring Report

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3rd Semi-Annual Report

Reporting Period: Jan 2025 to Jun 2025

Date: 07 July 2025

Title of the Project

Uttarakhand Climate Resilient Power System Development Project

Loan No.-4402

Grant No.-9238

Prepared by the **POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD. ON BEHALF OF GOVERNMENT OF UTTARAKHAND, INDIA** for the Asian Development Bank

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ABBREVIATIONS

ADB	Asian Development Bank
PTCUL	Power Transmission Corporation of Uttarakhand Limited
UPCL	Uttarakhand Power Corporation Ltd.
UKPCB	Uttarakhand Pollution Control Board
ASI	Archeological Survey of India
dB	Decibels
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EIA	Environmental Impact Assessment
EMA	Environment Monitoring Agency
EMP	Environmental Management Plan
ESMC	Environmental and Social Management Cell
ESMU	Environmental and Social Management Unit
GHG	Greenhouse Gas
GOU	Government of Uttarakhand
GOI	Government of India
GRC	Grievance Redressal Committee
IA	Implementing Agency
IEE	Initial Environmental Examination
Ltd.	Limited
NO ₂	Nitrogen dioxide
PM ₁₀	Particulate Matter(Size less than 10µm)
PM _{2.5}	Particulate Matter (Size less than 2.5µm)
PMU	Project Management Unit
ROW	Right of Way
S/S	Substation
SEIA	Summary Environmental Impact Assessment
SIEE	Summary Initial Environmental Examination
SO ₂	Sulphur dioxide
T&D	Transmission and Distribution
PISC	Project Implementation & supervision Consultants
PPIU	PTCUL Project Implementation Unit

Electrical Terminology

V	Volt	Unit of Voltage
kV	Kilovolt	1000 volts
W	Watt	Unit of active power
kW	Kilowatt	1000 watts
MW	Megawatt	1000 kW
MWh	Mega watt hour	Unit of energy
VA	Volt ampere	Unit of apparent power
MVA	Million-volt ampere	10 ⁶ VA
LILO	Line-in-Line-Out	

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EXECUTIVE SUMMARY

Under the provisions of the Uttar Pradesh Reorganization Act 2000, enacted on 25 August 2000, the state of Uttaranchal¹ was carved out of Uttar Pradesh on 9 November 2000 as the 27th state of India. It borders Nepal to the east, Indian states of Uttar Pradesh to the south, Himachal Pradesh to the west and northwest, and Haryana on its southwestern corner. Uttarakhand's population of 10,086,292 (Census of India, 2011), makes it the 20th most populous state in India

The power sector in Uttarakhand has been unbundled under the Electricity Act 2003 into three independent utilities:

- Uttarakhand Jal Vidyut Nigam Limited (UJVNL) for power generation;
- Power Transmission Corporation of Uttarakhand (PTCUL) for transmission and;
- Uttarakhand Power Corporation Limited (UPCL) for distribution.

The state's total installed electricity generation capacity was 3,356 MW as of March 2018. Of this, 1,816 MW (54.11%) is generated from hydropower, 520 MW (15.5%) from natural gas, 440 MW (13.1%) from coal, 547 MW (16.3%) from other renewable energy (0.07% from small hydro, wind and solar) and 31 MW (0.92%) from nuclear sources.² It experienced a peak energy deficit of 0.7% in FY2017-2018 and is anticipating 3% energy shortage in FY2018-2019.³ To bridge the energy gap, a number of generation projects are in various stages of implementation. Hydropower potential in Uttarakhand is estimated to be 25,000 MW, of which only 3,600 MW have been developed. About 5,500 MW of new hydropower plants are under construction in four river basins of Uttarakhand (Bhagirathi, Alaknanda, Sharda and Yamuna). However, the capacity of the present transmission system is not sufficient to evacuate the power generated from the proposed new hydropower stations. Thus, the expansion of transmission network will play a vital role not only in evacuating power from new generation projects to load centers efficiently but also in reducing power purchase cost which otherwise need to be purchased from expensive gas-based power plants or short-term power from central exchange.

Considering the requirement of future load growth in Kumaon and Garhwal Zone of Uttarakhand state, N-1 contingency and reliability of Power Supply, Enhanced power handling capability, reliable supply for industrial growth in the state, help to meet United Nations Sustainable Development Goal Number Seven (SDG- 7) and helpful in improving PTCUL system availability and grid stability, Uttarakhand Transmission Strengthening and Distribution Improvement Project (UTSDIP) scheme was envisaged and approved in 2nd Inter Corporation Co-ordination Committee Meeting (ICCC) dated 07.01.2021 comprising of UPCL, UJVNL and PTCUL and 78thBoD Meeting of PTCUL dated 23.12.2021. Hence different projects of lines & sub-stations were taken in Garhwal and Kumaon Zone under "Uttarakhand Climate Resilient Power System Development Project" formally known as Uttarakhand Transmission Strengthening and Distribution Improvement Project (UTSDIP) under ADB funding.

Uttarakhand Climate Resilient Power System Development Project (PTCUL)			
Executing Agency	Government of Uttarakhand		
Implementing Agency	Power Transmission Corporation of Uttarakhand Ltd.		
Environment Safeguards Categorization	Category-B		
Environment Safeguards Documentation	IEE		
Project Stage Obtained	Package 1	Lot 1	Construction Phase
		Lot 2	Construction Phase
	Package 2		Construction Phase
	Package 3	Lot 1	Construction Phase
		Lot 2	Construction Phase
	Package 4	Lot 1	Design Phase
		Lot 2	Design Phase
	Package 5		Dropped
	Package 6		Tender yet to be floated
Detailed Design Required Post- Approval	Package 1	Lot 1.	Yes, the substation land has been handed over to the contractor. Technical design and engineering, work has been started at site.
		Lot 2	
	Package 2		Yes. The substation land has been handed over to the contractor. Technical design and engineering work has been started.
	Package 3	Lot 1	Site has handed over to contractor, Technical Design work has started
		Lot 2	Site has handed over to contractor, Technical Design work i.e. line survey tower profile, tower schedule has been completed and supply materials have reached at site.
	Package 4	Lot 1	Site has handed over to contractor, Technical Design work has started
		Lot 2	Site has handed over to contractor, Technical Design work has started
	Package 5		Dropped
	Package 6		Tender Yet to be floated

Contract(s) Awarded	Package 1 (Lot-1): Contract Awarded Package 1 (Lot-2): Contract Awarded Package 2: Contract Awarded Package 3 (Lot-1): Contract Awarded Package 3 (Lot-2): Contract Awarded Package 4 (Lot-1): Contract Awarded Package 4 (Lot-2): Contract Awarded Package 5: Dropped Package 6: Tender to be awarded
Bidding Document(s) Include EMP Cleared by ADB	Yes
Contract(s) Awarded Include EMP Cleared by ADB	EMP plan as per approved Bidding Document has been made part of the contract agreement of Package-1(Lot-1, 220 KV GIS Selaqui) & (Lot-2, Construction of 4 Nos 132 KV GIS i.e. Araghar, Dhaulakhera, Khatima-II, Lohaghat), Package-2 (220 KV AIS Mangalore) and Package - 3 (Lot -2 Construction of (a) LILO of 132 kV Manglore-Asahi Line & Manglore-Air Liquid Line at 220 KV S/s Manglore (b) LILO of 132 kV Kathgodam-Rudrapur Line at 132 kV Substation Dhaulakhera (Haldwani) (c) LILO of 132 kV Khatima-Sitarganj Line at proposed 132/33 kV Substation Khatima-II & (d) Stringing of second circuit of 132 KV D/C Transmission Line on Panther conductor From Pithoragarh (PGCIL) -Champawat (Lohaghat)). Package 4 (Lot -1, LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable, Lot -2 , LILO of 132 kV Majra-Laltappar line at proposed 132 kV Substation Araghar Dehradun through 132 kV Underground Cable)) In the EMP Plan which was part of contract agreement, it is mentioned therein that "...The definitive version of the project-level EMP cleared by ADB is the most recent version disclosed on its website. The EMP is dynamic and can be updated as appropriate during the project implementation. However, any update to the EMP will first need to be cleared by ADB..." Therefore, the latest version of EMP, cleared by ADB, shall be followed in all contracts. Contractors have been apprised of the same
National Environment, Health and Safety Clearance(s) Obtained	Environment Clearance is not applicable to the substation project as they do not fall under the purview of the EIA Notification, 2006. However, all other applicable national and state-level environment, health, and safety regulatory requirements have been fully complied with. Occupational health and safety measures have been implemented in accordance with relevant labour and safety regulations. The trees cutting permissions for Dhaulakhera has been obtained from the Forest Department. The Labour License has been issued from the competent authority for the contract Package 1 (Lot-1 & Lot - 2) , Package 3 Lot-1 (Enclosed) Labour License for Package 3 (Lot-2) has been already applied, obtaining labour license from Competent authority is in under process. Necessary

	Formalities regarding industrial/non-industrial category of CPCB industrial classification NOC from State Pollution control board have been completed, State pollution control Board mentioned their letter that the Project of Dhaulakhera and Lohaghat is not covered under Industrial/Non industrial category of CPCB of Industrial classification-2016.
Contractor(s) Given Access to Site	Package 1 (Lo1-1): Yes Package 1 (Lo1-2): Yes Package 2: Yes Package 3 (Lo1-1): Yes Package 3 (Lo1-2): Yes Package 4 (Lo1-1): Yes Package 4 (Lo1-2): Yes Package 5: Dropped Package 6: Nil
Construction Progress (%)	Package 1 (Lot-1): Selaqui SS, Dehradun: 49%
	Package 1 (Lot-2): Araghar SS, Dehradun: 17%
	Package 1 (Lot-2): Dhaulakhera SS, Nainital: 25%
	Package 1 (Lot-2): Khatima-II SS, US Nagar: 38%
	Package 1 (Lot-2): Lohaghat SS, Champawat: 25%
	Package 2: 20%
	Package 3 (Lo1-1): 10%
	Package 3 (Lot1-2):- LILO of 132 kV Manglore-Asahi Line & Manglore-Air Liquid Line :- 0%
	Package 3 (Lot1-2) LILO of 132 kV Kathgodam-Rudrapur 0%
	Package 3 (Lot1-2): - LILO of 132 kV Khatima-Sitarganj Line: - 0%
	Package 3 (Lot1-2):- Stringing of second circuit of 132 KV D/C Transmission Line on Panther conductor From Pithoragarh (PGCIL) -Champawat (Lohaghat): - 5%
	Package 4 (Lo1-1): 0%
	Package 4 (Lo1-2): 0%
	Package 5: Dropped
	Package 6: 0%
Unanticipated Impacts including Change of Scope or Design	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: Nil

Number of Site Inspections and Audits Undertaken by Environment Safeguards Staff in Reporting Period	Package 1 (Lo1-1): 05 Package 1 (Lo1-2): 05 Package 2: 04 Package 3 (Lo1-1): 04 Package 3 (Lo1-2): 05 Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: Nil
Corrective Action Required from Previous Reporting Period	NA (2 nd Semi-Annual Environment Safeguard Monitoring Report)
Outstanding Corrective Action this Reporting Period	NA (2 nd Semi-Annual Environment Safeguard Monitoring Report)
Non-Compliances Recorded this Reporting Period	NA (2 nd Semi-Annual Environment Safeguard Monitoring Report)
Corrective Action Required	NA (2 nd Semi-Annual Environment Safeguard Monitoring Report)

Number of Health and Safety Incidents	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA
GRM Functional	Yes, GRC is function. PTCUL office Order is enclosed as Annexure-I
Number of Unresolved Grievances from Prior Reporting Period	Nil
Number of Grievances Received in Reporting Period	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA
Number of Grievances Resolved this Reporting Period	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA
Number of Grievances Still Outstanding	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA
Number of Grievances referred to Court of Law	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil

	Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA
Number of Grievances referred to the Account ability Mechanism	Package 1 (Lo1-1): Nil Package 1 (Lo1-2): Nil Package 2: Nil Package 3 (Lo1-1): Nil Package 3 (Lo1-2): Nil Package 4 (Lo1-1): Nil Package 4 (Lo1-2): Nil Package 5: Dropped Package 6: NA

1.0 Introduction

1.1 Brief Project Description:

Power Transmission Corporation of Uttarakhand Limited (PTCUL) the State Transmission Utility (STU) of the Uttarakhand state in India, is engaged in Power Transmission with the mandate for planning, co-ordination, Supervision and control of complete Intra state Transmission system. The Uttarakhand climate resilient power development project will support the government of Uttarakhand in strengthening its power system network to meet the future electricity demand growth and to improve quality & reliability of power supply of its consumer, while facilitating efficient utilization of the State's hydropower and renewable energy resources. The primary focus of the project is the climate resilience of the power systems. The project will also strengthen the functional capacity & knowledge of implementing agencies for integrated and climate resilient power system development in Uttarakhand.

Considering the requirement of future load growth in Kumaon and Garhwal Zone of Uttarakhand state, N-1 contingency and reliability of Power Supply, Enhanced power handling capability, reliable supply for industrial growth in the state, help to meet United Nations Sustainable Development Goal Number Seven (SDG- 7) and helpful in improving PTCUL system availability and grid stability, Uttarakhand Transmission Strengthening and Distribution Improvement Project (UTSDIP) scheme was envisaged and approved in 2nd Inter Corporation Co-ordination Committee Meeting (ICCC) dated 07.01.2021 comprising of UPCL, UJVNL and PTCUL and 78th BoD Meeting of PTCUL dated 23.12.2021. Hence different projects of lines & sub-stations were taken in Garhwal and Kumaon Zone under "Uttarakhand Climate Resilient Power System Development Project" formally known as Uttarakhand Transmission Strengthening and Distribution Improvement Project (UTSDIP) under ADB funding.

1.2 Project Progress Status and Implementation Schedule

The updated status of and implementation schedule activities for the construction of various substation & lines from January 2025 to June 2025 are given below;

Project Progress Status

Sr. No.	Package	Lot	Name of Project	Contract Status	Site Status	Overall Physical Progress
1	P-1	Lot-1	<u>220/33 KV (2x 50 MVA) GIS Substation, Selaqui, Dehradun</u>	Awarded	Construction work is under progress	49%
2		Lot-2	132/33 KV (2x40 MVA) GIS S/s, Araghar, Dehradun	Awarded	1. Drawing of electrical equipment have been approved. 2. Civil Drawing has been approved. 3. Construction work of control room ,132 KV GIS, 33 KV GIS are in under progress. 4. 145 kV CVT, 120 kV LA, 33 kV LA, grounding material, testing equipment etc. had reached at site.	39%
3			132/33 KV (2x40 MVA) GIS S/s, Dhaulakhera, Nainital	Awarded	1. Drawing of electrical equipment have been approved. 2. Civil Drawing has been approved. 3. Construction work of control room ,132 KV GIS, 33 KV GIS , boundary wall, are under progress.	41%

					4. 33 kV GIS, 145 kV CVT, 120 kV LA, 33 kV LA, grounding material, and testing equipment etc. had reached at site.	
4			132/33 KV (2x40 MVA) GIS S/s, Khatima-II, US Nagar	Awarded	1. Drawing of electrical equipment have been approved. 2. Civil drawing had been approved. 3. Construction work of Control room building, 132 kV GIS, 33 kV GIS, store shed, boundary wall etc. are n under progress. 4. 33kV GIS, 145 kV CVT, 120 kV LA, 33 kV LA, grounding material and testing equipment had reached at site.	46%
5			132/33 KV (2x20 MVA) GIS S/s, Lohaghat, Champawat	Awarded	1. Drawing of electrical equipment have been approved. 2. Civil drawing had been approved 3. Construction work of Control room building, 132 kV GIS, 33 kV GIS, store shed, retaining wall etc. are n under progress. 4. 145 kV CVT, 120 kV LA, 33 kV LA, grounding material, and testing equipment etc. had reached at site.	41%
6	P-2	-	220/132/33 KV (2x160 MVA + 2x40 MVA) AIS S/s, Manglore, Haridwar	Awarded	Construction and Design under progress	20%

7	P-3	Lot-1	LILO of 220 kV Roorkee-Nara line at proposed 220 kV S/s Manglore (Length of line -1.00 km)	Awarded	Construction and Design under progress	10%
8		Lot-2	Construction of LILO of 132 kV Manglore -Asahi line & Manglore-Air Liquid Line at 220 KV S/s Manglore	Awarded	Line route survey completed, Tower profile and tower schedule has approved, drawing of tower, conductor, disc insulator, hardware fittings and accessories had approved.	20%
9			Construction of LILO of 132 kV Kathgodam-Rudrapur Line at 132 KV Substation, Dhaulakhera	Awarded	Line route survey completed, Tower profile and tower schedule has approved, drawing of tower, conductor, disc insulator, hardware fittings and accessories had approved.	20%
10			Construction of LILO of 132kV Khatima-Sitarganj Line at Proposed 132/33 kV Substation Khatima-II	Awarded	Line route survey completed, Tower profile and tower schedule has approved, drawing of tower, conductor, disc insulator, hardware fittings and accessories had approved.	20%
11			Stringing of second circuit of 132 kV D/C Transmission Line on Panther conductor from Pithoragarh (PGCIL)- Champawat (Lohaghat)	Awarded	Drawing of conductor, disc insulator, hardware fittings and accessories had approved, stringing work of conductor is under progress.	30%
12	P-4	Lot-1	LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable, Length of line -0.7 km (approx.)	Awarded	Route survey completed, Permission from SIIDCUL obtained, Engineering & drawing approval in progress, HDPE pipe supply completed	18%

13		Lot-2	LILO of 132 kV Majra-Laltappar line at proposed 132 kV Substation Araghar Dehradun through 132 kV Underground Cable, Length of line -3.6 km (approx.)	Awarded	Route survey completed, Engineering & drawing approval in progress, HDPE pipe supply completed	8%
14	P-5	-	Construction of 400/220KV (2X315 MVA) GIS Substation, Landhora Haridwar	Dropped	NA	NA
15		-	Construction of LILO of 400 KV Kashipur-Puhana Line at 400KV Substation, Landhora (Length of Line-3.00Km)			
16		-	Construction of LILO of 220 KV Manglore-Nara line at proposed 400/220/132 KV Substation Landhora (Length of Line-25.00 Km)			
17	P-6	-	132/33 KV (2X40 MVA) AIS Substation, Serverkhara, US Nagar	Tender to be floated	NA	NA
18		-	Construction of LILO of 132 KV Kashipur-Mahuakheraganj line at 132 KV Substation Serverkhara (Length of Line-8.7 Km)			

19		-	Construction of LILO of 132 KV D/C Transmission line from 220 KV Substation Mahuakheraganj to 132 KV Substation Jaspur (Length of Line-23.32 Km)			
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Note: No other package/ lot, in addition to the information given in above table, are coming up under the already approved scope of work.

1.2.2 Project Implementation Schedule

Sr. No.	Package	Lot	Name of Project	Contract Award Date	Completion Date	Remarks
1	P-1	Lot-1	220/33 KV (2x 50 MVA) GIS Substation, Selaqui, Dehradun	12.04.24	730 days from Project Zero Day	M/s Flowmore Ltd. JV with M/s Jiaangse Jingdian Elect. Co.
2		Lot-2	132/33 KV (2x40 MVA) GIS S/s, Araghar, Dehradun	12.04.24	730 days from Project Zero Day	M/s Flowmore Ltd. JV with M/s Jiaangse Jingdian Elect. Co.
3			132/33 KV (2x40 MVA) GIS S/s, Dhaulakhera, Nainital			
4			132/33 KV (2x40 MVA) GIS S/s, Khatima-II, US Nagar			
5			132/33 KV (2x20 MVA) GIS S/s, Lohaghat, Champawat			
6	P-2	-	220/132/33 KV (2x160 MVA + 2x40 MVA) AIS S/s, Manglore, Haridwar	13.03.24	730 days from Project Zero Day	M/s Transglobal Power Ltd., Bangalore
7	P-3	Lot-1	LILO of 220 kV Roorkee-Nara line at proposed 220 kV S/s Manglore (Length of line -1.00 km)	18.06.24	730 days from Project Zero Day	M/s Salasar Techno Engg. Ltd. UP

8		Lot-2	LILO of 132 kV Manglore-Asahi line & Manglore Air Liquid line at 220 kV S/s Manglore, Length of line 1.0 km.	19.09.2024	540 days from Project Zero Day	M/S BTL EPC Ltd.
9			LILO of 132 kV Kathgodam-Rudrapur line at 132 kV S/s Dhaulakhera (Haldwani), Length of line 0.6 km.			
10			LILO of 132 kV Khatima-Sitarganj line at proposed 132/33 KV S/s Khatima-II, Length of line 2.0 km.			
11			Stringing of second circuit of 132 kV D/C Transmission line on Panther conductor from Pithoragarh (PGCIL)- Champawat (Lohaghat), Length 39.33 km.			
12	P-4	Lot-1	LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable, Length of line -0.7 km (approx.)	01.08.2024	540 days from Project Zero Day	M/s Rajesh Power Services Pvt. Ltd., Ahmedabad
13		Lot-2	LILO of 132 kV Majra-Laltappar line at proposed 132 kV Substation Araghar Dehradun through 132 kV Underground Cable, Length of line -3.6 km (approx.)	13.09.2024	540 days from Project Zero Day	M/s Aquarian Enterprises, Delhi
14	P-5	-	Construction of 400/220KV (2X315 MVA) GIS Substation, Landhora Haridwar	Dropped	NA	NA
15		-	Construction of LILO of 400 KV Kashipur-Puhana Line at 400KV Substation, Landhora (Length of Line-3.00Km)			
16		-	Construction of LILO of 220 KV Manglore-Nara line at proposed 400/220/132 KV Substation Landhora (Length of Line-25.00 Km)			

17	P-6	-	132/33 KV (2X40 MVA) AIS Substation, Serverkhera, US Nagar	Tender to be floated	NA	NA
18		-	Construction of LILO of 132 KV Kashipur- Mahuakheraganj line at 132 KV Substation Serverkhera (Length of Line-8.7 Km)			
19		-	Construction of LILO of 132 KV D/C Transmission line from 220 KV Substation Mahuakheraganj to 132 KV Substation Jaspur (Length of Line-23.32 Km)			

*Note: Project Zero Day i.e. the date on which mobilization advance is received by contractor

1.2.3 Project Key Personnel

Sr. No.	Package & Lot	Project Key Personnel	Responsibility	Contact No.
1	Package-1 (Lot-1)	Er. Vikalp Gautam (SE)	Project Manager	9411100259
2	Package-1 (Lot-2)	Er. L. M. Bisht (SE)	Project Manager	7088117619
3	Package-2	Er. A. K. Singh (SE)	Project Manager	7088117327
4	Package-3 (Lot-1)	Er. A. K. Singh (SE)	Project Manager	7088117327
5	Package-3 (Lot-2)	Er. L. M. Bisht (SE)	Project Manager	7088117619
6	Package-4 (Lot-1)	Er. Vikalp Gautam (SE)	Project Manager	9411100259
7	Package-4 (Lot-2)	Er. Vikalp Gautam (SE)	Project Manager	9411100259
8	Package-5	-	-	
9	Package-6	-	-	
10	All Package	Er. Lalit Kumar (SE)	Nodal Officer (Forest)	9412059813
11	All Package	Er. Vikalp Gautam (SE)	Nodal Officer (EHSSGS)	9411100259
12	All Package	Er. Pankaj Kumar (EE)	Officer (Environment)	7088112828
13	PISC/PMC	LOA has been issued on 30.06.2025 to Medhaj Techno Concept Pvt. Ltd., India (MTCPL) in Joint Association with Nippon Koei India Pvt. Ltd., India (NKI), Medhaj Techno Concept Pvt. Ltd., India (MTCPL), Medhaj Tower, CP-150 sector -D1, Power House Chauraha, Aashiana Kanpur Road, Lucknow 226012, Uttar Pradesh	Key Personal Not Appointed Yet	-

Project Key Personnel from Contractor for Package -1, Package -2, Package-3, Package-4

S.No.	Package & Lot	Project Key Personnel	Responsibility	Contact No.
1.	Package -1 (Lot-1)	Mr. Amit Goel	Project Manager	8586967345
2.	Package -1(Lot-2)			
3.	Package -1 (Lot-2) Dhaulakhera, Khatima and Lohaghat	Mr. Avdesh Joshi	Environment and Social Officer	9557198336
3.	Package -1(Lot-2) Lohaghat	Mr. Jane Alam	Safety officer	9838792673
4	Package -1(Lot-2) Dhaulakhera	Mr. Dheeraj Singh	Safety officer	7860671546
5	Package -1(Lot-2) Khatima	Mr. Sunil Kumar Singh	Safety officer	9129599933
6	Package -1(Lot-2) Araghar	Mr. Pankaj Kumar	Safety officer	8545006399
7	Package -1 (Lot-1) Selaqui			
8	Package -2	Not appointed yet	-	-
9	Package - 3 (Lot-1)	Mr. Harshdeep Kundu	Project Manager	

9	Package-3 (Lot-1)	Mr. Markandeshwar Pandey	OHS	9415570703
9	Package-3 (Lot-2)	Mr. Dharmendra Kumar	Project Manager	8979857315
10	Package-3 (Lot-2)	Mr. Rajendra Singh	Environment and Social Officer	6005583812
11	Package-3 (Lot-2)	Mr. Kamal Kant	Safety officer	7800373306

2.0 Compliance to National Regulations and International Agreements

All environmental safeguard compliances are being ensured during the design and construction phases of the projects awarded under various packages and lots. At present, the projects are in the initial stages of construction and design finalization. All applicable environmental regulations, acts, rules, and notifications issued by the Government of India and the Government of Uttarakhand are being fully complied with across all sites.

In addition, the projects adhere to the requirements of ADB's Safeguard Policy Statement (SPS), 2009 and Operational Manual F1, 2013, which guide the integration of environmental considerations into project planning and execution. These safeguards ensure the environmental soundness and sustainability of ADB-funded projects throughout their implementation. A comprehensive list of applicable laws, rules, and regulations relevant to the project has been compiled and categorized under the following sections:

1. Environmental Laws & Regulations
2. Social Safeguard & Labour Laws
3. Health & Safety Regulations
4. Other Applicable Laws and Regulations

Compliance with these requirements is being regularly monitored and implemented across all five project sites and their details is provided below

1. Environmental Laws & Regulations

S.No	Legislation / Regulation	Applicable Sections	Compliance Requirements	Responsibility	Status (Compliant/Non-Compliant)	Remarks
1.	Environment (Protection) Act, 1986	Sec. 3, 5, 6, 7	Umbrella Act to the Air, Water and Noise Acts and relevant during design, construction and operation of the substations and power line. Both construction and operation of the substations must comply with the legislation issued under this act and rules. No specific Permission is required.	PTCUL & Contractor	Compliant	No specific permits but all environmental clearances, NOCs and permits are referred to the act. Administrative Authority: MoEFCC, Central Pollution Control Board (CPCB) and Uttarakhand Pollution Control Board
2.	EIA Notification, 2006 and subsequent amendments.	Requires prior environmental clearance for new, modernization and	Not Applicable. None of the components of this subproject falls under the ambit of the notification; no EIA study or environmental clearance required. However,	Contractor through E&S Officer	Compliant	Substation projects are not listed under the schedule of the EIA Notification as environmental sensitive projects. Therefore, screening and

		expansion projects listed in schedule 1 of EIA Notification, 2006	material will be procured from Govt. approved agencies/vendors/company who have obtained EC (if applicable) for that material/items			categorization are not required. Based on the size of buildings proposed at the substations none trigger the building projects criterion and required prior environment clearance. However, Construction materials are being procured only from Govt. approved agencies/vendors/company who obtained EC/NOC/Permission (if applicable) for that material. Copy of EC/NOC/Permission of the same is also being collected by Contactor and keep in the records.
3.	Water (Prevention & Control of Pollution) Act, 1974	Sec. 25	Consent to Establish & Operate from SPCB	Contractor through E&S Officer	Compliant	Discussed with SPCB, since no significant waste discharge from SS, hence CTE is not required. However, monitoring of water and wastewater is being carried out as per EMoP,
4.	Air (Prevention & Control of Pollution) Act, 1981	Sec. 21	Consent for air emissions	Contractor through E&S Officer	Compliant	CTE is not required, however, regular monitoring of air quality is being carried out as per EMoP. installation of air monitoring equipment at all substations is also completed.
5.	Noise Pollution (Regulation & Control) Rules, 2000	Rule 3, 5	Noise limits during construction	Contractor through E&S Officer	Compliant	CTE is not required, however, regular monitoring of noise level is being carried out as per EMoP. installation of noise monitoring equipment at all substations is also completed.
6.	Forest (Conservation) Act, 1980	Sec. 21	Clearance required if forest land is involved	-	Not Applicable	No forest land involved

7.	Wildlife Protection Act, 1972	Sec. 29, 35	Ensure no disturbance to wildlife	-	Not Applicable	No wildlife zone
8.	Uttarakhand Environment Protection & Pollution Control Board (UKPCB) Guidelines		Compliance with state-specific norms	Contractor through ESO and EHS Officer	Monitoring	A permanent station for air and noise monitoring has been installed at All 5 Substations under Package 1
9.	Construction & Demolition Waste Management Rules, 2016	Rule 4	Waste disposal plan	Contractor through Site Engineer and ESO	Compliant	-

2. Social Safeguard & Labour Laws

S.No	Legislation / Regulation	Applicable Sections	Compliance Requirements	Responsibility	Status (Compliant/Non-Compliant)	Remarks
10.	Right to Fair Compensation & Transparency in Land Acquisition Act, 2013	Sec. 4, 16	Fair compensation if land acquisition involved	Project Manager	N/A	Site are already possessed by PTCUL, hence, No land acquisition
11.	Contract Labour (Regulation & Abolition) Act, 1970	Sec. 7, 12	Registration of contractors, welfare measures	HR/Project Manager	Compliant	Labour license has been obtained for all the sites (Refer Annexure 2)
12.	Building & Other Construction Workers Act, 1996	Sec. 14, 18	Safety, welfare, and benefits for workers	OH & Safety Officer	Compliant	A dedicated OHS officer has been appointed by contractor at Substation Site. Training and health camps are organized on regular basis by Contractor

13	Minimum Wages Act, 1948	Sec. 3	Payment of minimum wages	HR/ Project Manager	Compliant	Wages are paid to workers as per Uttarakhand govt. minimum wages norms.
14	Uttarakhand Labour Welfare Rules		State-specific labour welfare compliance	HR/Project Manager/OHS officer	Compliant	Contractor is dedicated to support labour welfare as per standard norms and provide necessary assistance for labour welfare
15	ILO Convention - Minimum Age Convention (1973) ILO Convention - Worst Forms of Child Labour Convention (1999) ILO Convention – Forced Labour Child Labour (Prohibition and Regulation) Act, 1986 amended in 2016 The Bonded Labour System (Abolition) Act 1976		No forced or child labor to be employed in construction with the minimum age for employment on construction site to be 18 given hazardous nature of works involved.	HR, Project manager, ESO and OHS officer	Compliant	Contractor employed the workers/labours after due diligence and verification of age by proof documentation and it is maintained at site as well as project office for every worker. Workers will work/operate within the legal working hours and additional work hours are adequately compensated by over time payment as per govt. wages rules and regulations.

3. Health & Safety Regulations

S.No.	Legislation / Regulation	Applicable Sections	Compliance Requirements	Responsibility	Status (Compliant/Non-Compliant)	Remarks
16	Factories Act, 1948	Sec. 7, 21	Safety measures, working conditions	OH & Safety Officer	Compliant	Provided all necessary PPE kit before work start to the labourers
17	Occupational Safety, Health & Working Conditions Code, 2020	Sec. 22, 24	Worker safety, PPE, working hours	OH & Safety Officer	Compliant	COC and initial medical checkup are done by Contractor before engagement of any worker/labour. Special safety training and regular Tool Box trainings are provided to all workers on regular basis.
18	Electricity Act, 2003	Sec. 53, 161	Safety standards for electrical works	Project Manager and Electrical Engineer	Compliant	All design and drawings are reviewed and approved by PTCUL with compliances of safety standards as per act.
19	Central Electricity Authority (Safety) Regulations, 2010		Electrical safety norms	Project Manager, Electrical Engineer and OH & Safety Officer	Compliant	

4. Other Applicable Laws and Regulations

S.No.	Legislation / Regulation	Applicable Sections	Compliance Requirements	Responsibility	Status (Compliant/Non-Compliant)	Remarks
20.	Building and Other Construction Workers (Regulation of		Regulates the employment and working conditions of construction workers	HR/Project Manager/OHS officer	Compliant	Contractor is following the guidelines for Regulation

	Employment and Conditions of Service) Act, 1996 and Inter-state Migrant Workmen Act 1979					of Employment and Conditions of Service as per Act
21.	GRM		ADB SPS 2009, GRM will be available to all workers for receiving and handling complaints about unfair treatment or unsafe living or working conditions, sexual harassment, ensuring no coercion nor reprisal.	Project Manager, ESO, OHS officer	Complied	Contractor is following the ADB SPS (2009) standards to follow GRM. GRM is fully functional and available at site for all workers for receiving and handling complaints about unfair treatment or unsafe living or working conditions, sexual harassment, ensuring no coercion nor reprisal. Workers are having direct access to register any grievances with the Contractor GRM cell and PTCUL GRM. (Refer Annexure 7

						and Annexure 4)
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3.0 Compliance to Environmental Covenants from the ADB Loan Agreement

Sr. No.	Product	Schedule	Para No.	Covenant	Remarks/Issues
1	Loan 4402-IND	4	4	Subject to paragraph 5 below, the borrower shall ensure, or cause the EA and each IA to ensure, that no works contract which involves environmental impacts is awarded until: (a) the relevant authority of the borrower and/ or state, as required, has granted the approval of the IEE, and the EA has obtained ADB's clearance of the IEE based on the final design; and (b) the EA has incorporated the relevant provisions from the EMP into the Works contract.	Being complied
	Loan 4402-IND	4	5	The borrower shall ensure, or cause the EA and each IA to ensure, that a contract for works involving environmental impacts may be awarded with the IEE based on preliminary design having been submitted to and cleared by ADB if the contract: (a) is of a "design and build" or "turnkey" type under which the design must be completed for the works contract before the IEE is updated to reflect the final project design; and	Being complied
				(b) expressly provides that no works shall commence until: (i) an IEE for the works contract reflecting the final project design having been submitted to, and cleared by ADB.	

1	Loan 4402-IND	4	9	The Borrower shall ensure or cause the EA & each IA to ensure, that the preparation design, construction, implementation, operation & decommissioning of the project and all project facilities comply with (a) all applicable law & regulation of the Borrower and the stake relating to environment, health and safety (b) the environmental safeguards (c) all measure and requirements set forth in the IEE & EMP and any corrective or preventive actions set forth in a safeguard monitoring reports.	It will be ensured that the preparation design, construction, implementation, operation & decommissioning of the project and all project facilities are complied as per ADB's environment SPS (2009) All measures and requirements set forth in the IEE & EMP shall be strictly adhered to during required stages of project.
	Loan 4402-IND	4	13	The Borrower shall ensure, or cause the EA and each IA to ensure, that all necessary budgetary and human resources to fully implement the EMP and the RP as required, are made available on a timely basis	It will be done on timely basis.
2	Loan 4402-IND	4	14	The Borrower shall ensure or cause the EA & each IA to ensure that all bidding documents and contracts for work contain provisions that require contractor to (a) Comply with the measures relevant to the contractor set forth in IEE the EMP and the RP to the extent, they concern impacts on affected people during construction and any corrective or preventive actions set forth in a safeguard monitoring report. (b) Make available a budget for all such environmental and social	It is ensured that all bidding documents and contracts for work contain provisions that require contractor to comply with the measures relevant to the contractor set forth in IEE with the version 3.0, dated 30.05.2022 of EMP during the construction and any corrective or preventive actions set forth in a safeguards

				measures. (c) Provide the EA with a written notice of any unanticipated environmental resettlement or indigenous people risks or impact that arise during construction implementation or operation of the project that were not considering in the IEE, EMP and the RP. (d) Adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and (e) Reinstall pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	monitoring report. Suitable budget shall be allocated accordingly. The written notice of unanticipated environmental resettlement that arise during construction or operation of the project shall be provided to EA as per guidelines.
3	Loan 4402-IND	4	15	The borrower shall ensure or cause the EA and each IA to ensure the following; (a) Submit semiannual safeguards monitoring reports to ADB until construction of works is complete and annual safeguard monitoring reports to ADB during operation of the works and disclose relevant information from such reports to affected person promptly upon submission (b) If any unanticipated environmental or social risks and impacts arises during construction implementation or operation of the project that were not considered in the IEE, the EMP & promptly inform ADB of the occurrence of such risks or impacts with detailed description of the event and proposed corrective action plan. (c) Report any breach of compliance with the measures	It is being compiled the project falls under category „B“ & IEE for the projects has been prepared accordingly Consultant supporting for PMU has been awarded but key personal not appointed yet.

				and requirements set forth in the EMP or the RP promptly after becoming aware of such breach.	
	Loan 4402-IND	4	16	The borrower shall ensure, or cause the EA and each IA to ensure, that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in appendix 5 of the SPS.	Being Complied as per SPS 2009 Appendix 5.
	Loan 4402-IND	4	17	The borrower shall ensure, or cause the EA and each IA to ensure, that works contracts under the Project follow all applicable labor laws of the Borrower and the State and that these further include provisions to the effect that contractors, (a) Carry out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction; (b) Follow and implement all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts shall also include clauses for termination in case of any breach of the stated provisions by the contractors.	It is being complied.

4.0 Compliance to Project Administration Manual (PAM)

Sr. No.	Organization	Tasks	Compliance Status
1	Executing Agency: Energy Department, GOU	Responsibility for execution of the project and ensuring project implementation on behalf of GOU	Compliance shall be made as per relevant guidelines of ADB, GOU & GOI as per the requirement
		Oversee satisfactory safeguards implementation for the project.	
		Co-ordinate communication with GOI and GOU with respect to the project	

2	Implementing Agency: PTCUL	Conduct day to day project management.	Being complied
		Procurement of goods and works timely approval of bid documents bid evaluation reports and contract awards	Being complied
		Overall responsibility for satisfactory safeguards implementation supervision and monitoring.	Being complied
		Periodic monitoring of the project implementation activities.	Being complied
		Prepare withdrawal applications, maintain project accounts and complete loan and grant in financial records.	Being complied
		Prepare financial statements and ensure timely conduct of audit.	Being complied
		Ensure co-ordination in the technical department responsible for project implementation and the finance department to ensure timely availability of counterpart funds	Being complied
3	Project Management Unit: Respective PIUs	Periodic review of the project activities to ensure timely implementation of the project and safeguards requirement	Being complied
		Ensure compliance with loan covenant including social & environmental safeguards, financial & economical and others	Being complied
		Ensure timely submission of bid documents, bid evaluation reports and contract, awards ensuring that the EMP is included in the contract documentation	Being complied
		Responsible for finalizing surveys and detailed designer update of safeguards documents to reflect detailed design & as needed safeguards monitoring of safeguard Monitoring reports & timely submission to ADB.	Being complied
		Responsible for requesting budgetary alteration from counterpart fund.	Being complied
		Responsible for preparation of annual contract awards and disbursement projection.	Being complied
		Shall provide information to ADB mission as necessary.	Being complied
4	Project Implementation & Construction Support Consultants (PISC)	Planning and coordination of project implementation	Contract has been awarded but key personal not appointed yet
		Project management and control including administration	
		Procurement including contract management;	
		Trouble shooting of project implementation problems;	
		Progress reporting;	

		Management of project management software, such as Microsoft Project or its equivalent	
		Training of key staff of the executing and the implementing agencies on statistical data processing and visualization	
		Various capacity development activities, such as preparing an operations manual and standard operating procedure	

*Note: Project Zero Day is i.e. the date on which mobilization advance received by contractor. The zero day shall be the date of start of the project.

5.0 Compliance to Contract

The execution of project activities shall be done by the contractor as per the Section 7 (General Conditions of Contract) clause 9.6 (Contractor's Responsibilities) and Section 8 (Special Conditions of Contract) clause 9.0 (Contractor's Responsibilities), the details of which are given below;

Contract Package	Contract Provisions	Compliance Status
Package 1 to 4 & 6	The contractor shall permit ADB or its representatives to inspect the contractor's site, assets, accounts and records, and other documents relating to the bid submission and contract performance of the contractor and to have them audited by auditors appointed by ADB, if so required by ADB.	Compliance shall be ensured during execution of the project.
	The contractor shall comply with all applicable national, provincial and local environment laws and regulations. The Contractor shall also comply with all reasonable requests of the national and local authorities responsible for enforcing environmental controls	Being Complied,
	Within 28 days of the commencement date, the contractor shall submit a detailed site specific environment management plan (SSEMP), based on the environmental health and safety management plan submitted in the technical proposal, for the Projects Manager's no objection showing how the Contractor intends to comply with environmental laws and regulations and other specific requirements prescribed in the Contract, addressing all the monitoring and mitigation measures set forth in the Environmental impact Assessment ('EIA') and the Environmental Management Plan ("EMP") of the project attached in Section-6 Employer's Requirements. Work Shall not be	Being Complied,

commence on the site until the no objection of SSEMP has been obtained from the project manager and is being implemented.	
The contractor shall a) establish an operational system for managing environmental impacts b) comply with the approved SSEMP and any corrective or preventative actions set out in safeguards monitoring reports that the employer will prepare from time to time to monitor the implementation of the project EMP (EMP document enclosed in Bid document as An appendix 9, and incorporated in Special conditions of Contract section 9 sub clause 9.8 and) through the SSEMP c) allocate the budget required to ensure that such measures requirements and actions are carried out d) submit semi-annual reports on the compliance of such measures to the Employer. Where unanticipated environmental risks or impacts become apparent during the contract, the contractor is required to update the SSEMP to outline the potential impacts to site works and associated mitigation measures for the project manager's approval.	Being Complied,

6.0 Compliance to Environmental Management Plan

6.1 Compliance to Environmental Management Plan for Design Phase (Package 4 - Lot1, Lot2)

Sr. No	Item	Impact	Commitment	Compliance Status
1	New SS or connections at locations within existing SS	Corrective action	<u>Applicable to New SS within Existing SS</u> Lands for new SS at Dhaulakhera, Selaqui and Araghar are owned by UPCL and will need to be cleared of all debris/waste prior to handover, PTCUL to work with UPCL to ensure that in clearing the site all applicable EMP requirements are followed. In particular, PTCUL to ensure all debris/waste is removed by UPCL to their stores or disposed of using appropriately licensed waste management company with all storage, transport, and disposal as per national waste regulations and records kept.	Action shall be ensured during execution of Project. All EMP requirement were followed prior to handover of the Dhaulakhera, Khatima, Lohaghat, Selaqui, Aaraghar site and rests are being Complied
			PISC will conduct an environmental audit to confirm all debris/waste has been removed from site such that it is "clean" for construction and if there are any legacy issues/impacts or risks for the contractor to address prior to taking over the land.	Contract has been award but appointment of key personal is awaited. Expected in next three months,
			Applicable to Pithoragarh SS Connection PTCUL (PISC) will conduct an environmental audit of the existing SS to confirm if there are any legacy issues/impacts or risks for the contractor to address prior to installing the connection.	Complied during the design phase of the project as applicable
			Applicable to New SS or Connections within Existing SS of PTCUL Contractors at	There were no oil spills or other material of

			request of PTCUL to address any short-term or long-term corrective actions (e.g., cleanup of oil spills) as part of their scope of works in construction of new SS at locations which are also supporting existing substations of UPCL (Dhaulakhera, Selaqui and Araghar) and in the termination of second circuit stringing within the Pithoragarh substation of PGCIL.	concern in work site at Dhaulakhera, Araghar, Selaqui, Lohaghat and Khatima. In other work sites necessary compliance shall be made.
2	Siting and design of Project infrastructure	Finalization of new substation design and layout, finalization of OHL and UG cable route alignments	<u>Applicable to all Components:</u> Comply with all applicable national and state environment, health, and safety (EHS) regulatory requirements in addition to the mitigation measures set out in the EMP - if there is any conflict between national requirements and measures set out in the EMP the most stringent provisions will take precedence	all applicable national and state environment, health, and safety (EHS) regulatory requirements in addition to the mitigation measures set out in the EMP is being made at Dhaulakhera, Araghar, Selaqui, Lohaghat and Khatima. In other work sites necessary compliance shall be made.
			Designs to reflect the requirements of the EMP and international engineering best practice/good EHS practices	It will be complied
			Preference shall be given to locating above ground equipment on modified habitat.	It will be complied
			Identify presence of any unstable land/steep slopes and avoid these during the detailed design.	Complied during the design phase of the project as applicable

			Where SS sites and OHL towers are not on flat land conduct geotechnical/slope stability analysis with slopes to be graded with drainage installed to minimize landslide risk. Ensure resulting slope design/topography does not exacerbate surface erosion and/or trigger a landslide; all disturbed areas are to be revegetated. Bioengineering methods can be considered for providing slope protection.	Complied during the design and construction phase of the project as applicable
			Stability of slopes over 30% shall be checked and approved by the PISC prior to selection of tower location/substation layout and related foundation to be used.	Complied during the design phase of the project as applicable
			Cut and fill requirements shall be minimized by design to reduce changes in topography and the extent of earthworks and thus dust generation during construction. Contractor shall quantify the extent of earthworks required and locations for disposal of excavated spoil such as through landscaping within SS site.	Complied during the design and construction phase of the project as applicable
			Identify presence of floodplain or depressions that get waterlogged in the rainy season and avoid these during detailed design.	Complied during the design phase of the project as applicable
			Conduct flood and drainage risk assessment and incorporate effective drainage design (allowing for climate change) to prevent possible flooding or waterlogging of SS equipment/towers during the wet season, whilst ensuring that surface runoff from the	Complied during the design phase of the project as applicable

			project site is no more than the greenfield runoff rate.	
			<u>Applicable only to Applicable to HV Power Lines (OHL and UG)</u> Carefully select the route/siting of towers to minimize impacts on existing structures (e.g., buildings) etc.	Complied during the design phase of the project as applicable
			UG cables shall generally follow the existing RoW of the road whilst avoiding impacts on trees, properties, public utility services, street furniture etc.	Complied during the design phase of the project as applicable
			Any temporary disturbance compensated for in accordance with the LARP.	Complied during the design and construction of the project as applicable
			Minimize visual impact and clutter in locating above ground equipment.	Complied during the design phase of the project as applicable
			For all UG works crossing rivers they must be in conduit attached to a bridge or buried beneath the river using HDD method.	Complied during the design phase of the project as applicable
			<u>Applicable only to Substations</u> Substation transformers to be mounted on impermeable surface extending beyond the transformer footprint, bunded to 110% capacity and not connected to the surface water drainage system to collect oil spill, leaks, and overflows; transformers to be sited in a separately fenced area that can be kept locked.	Complied during the design, construction phase of the project as applicable
			Substation designs will follow the Draft Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2021, including	Complied during the design and construction phase of the project as applicable

			Soak Pit and Oil collecting pit. An oil soak pit shall be designed and provided below each oil filled transformer / reactor to accommodate at least 150% of total quantity of oil contained in the transformer / reactor with minimum 300 mm thick layer of gravels / pebbles of approximately 40 mm size (spread over a steel iron grating / trans rack) providing free space below the grating. Alternatively, an oil soak pit shall be provided below each transformer or reactor, to accommodate one third of total quantity of oil contained in the transformer / reactor with minimum 300 mm thick layer of gravels/ pebbles of approximately 40 mm size (spread over a steel iron grating/ trans rack) providing free space below the grating provided a common remote oil collecting pit of capacity at least equal to oil quantity in the largest size transformer or reactor is provided for a group of transformers or reactors and bottom of the soak pit below the transformer or reactor shall be connected to the common remote oil collecting pit with drain pipe of minimum 150 mm diameter with a slope not less than 1/96 for fast draining of oil or water through gravity from soak pit to the common remote oil collecting pit. Every soak pit below a transformer or reactor shall be designed to contain oil dropping from any part of the transformer or reactor. The common remote oil collecting pit and	
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			soak pit (when remote oil collecting pit is not provided) shall be provided with automatic pumping facility, to always keep the pit empty and available for an emergency.	
			Provision of oil-water separator on all surface water drainage.	Complied during the design and construction phase of the project as applicable
			Separation or fire barrier walls will be provided between the transformers or between transformer and nearby buildings as per Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations.	Complied during the construction phase of the project as applicable
			Ensure maximum sound power level of equipment at 1 m is 85 dBA through use of sound attenuation, in areas where these noise levels will be exceeded OHS noise warning signage identifying that ear protection to be worn must be installed as part of design	Complied during the design and construction phase of the project as applicable
			Provide well designed, covered, segregated materials and waste storage area of sufficient size to accommodate all anticipated storage requirements, ensure storage areas can be locked, are well-ventilated and will not reach extreme temperatures. Ensure space also provided in the storage area for solid and hazardous waste garbage bins to be stored. Fuel/oil/chemical/waste storage areas must have an impervious floor and be bunded so that the capacity of each bund is sufficient to contain at least 110% of the	Complied during the design and construction phase of the project as applicable

			maximum design storage capacity within storage area, not connected to the surface water drainage system.	
			Provide spill prevention kits (sorbent pads, loose sorbent material, etc.) at storage areas and other at-risk locations within clearly labelled containers.	Complied during the design and construction phase of the project as applicable
			Locate new transformers; storage areas; and septic tanks/soak away at least 50m from waterbodies and borewells to reduce pollution risk, if closer proximity is required due to site layout further assessment to be carried out to demonstrate using a source-pathway-receptor model there will be no adverse impact on aquatic ecology or human health	Complied during the design and construction phase of the project as applicable
			Layout substations so transformers are the furthest distance possible from the adjacent receptors to minimize corona noise/transformer hum experienced. Where possible the quietest available equipment with manufacturer-supplied noise mitigation will be installed. Contractors to ensure that the design enables operation to always comply with 1-hour LAeq 70 dB(A) at the site boundary, 55dB(A) outside the fence line if located within a commercial zone, 45 dB(A) at the nearest residential properties including located those in commercial zones, and 40dB(A) at 100m distance from silent zones	Complied during the design and construction phase of the project as applicable
			Given transformers are generally in the range 60-80 dBA at 1m they are to be	Complied during the design and construction

			located at least 5 m inside the substation site boundary but this distance will need to be increase to between 20m - 100m depending on the land use adjacent to the substation for noise limits to be met without additional attenuation. Diesel generator sets will similarly need to be located away from the SS boundaries.	phase of the project as applicable
			If residential properties or other sensitive receptors are near the substation boundary, then measurements must be carried out during detailed design and baseline noise calculations (modelling) considering low frequencies associated with transformer hum will be undertaken by the Contractor to demonstrate that the noise standards/guidelines can be met. If background noise levels already exceed the standards/guidelines the design must ensure that noise levels result in a <3dBA increase in background.	Complied during the design and construction phase of the project as applicable
			If the noise levels at the site boundary or receptors cannot be met through siting alone, then an acoustically designed enclosures or fences will be installed around either the noise source and/or substation boundary to enable the required noise level to be met as a permanent installation as part of the design.	Complied during the design and construction phase of the project as applicable
			Ensure that ICNRP occupational and community EMF exposure levels (reference and peak values) will be achieved within the substation and outside of the	Complied during the design and construction phase of the project as applicable

			fence line respectively.	
			All electrical hazards will feature written and visual warning signs that meet the IEEE standards to include the ISO 7010 "Hazard Type: Electrical Symbol" warning of the risk of electrocution	Complied during the design and construction phase of the project as applicable
			Include a secure boundary fence or wall that is sufficiently high it cannot be climbed over, provide a gated, surfaced vehicular access for entry/exit off public highway having adequate sight lines for all drivers and warning signs of entranceway for road users.	Complied during the design phase of the project as applicable
			For control buildings provide adequate natural and/or artificial lighting levels to meet the IFC EHS Guidelines on Occupational H&S (Table 2.3.3. Minimum Limits for Workplace Illumination Intensity) and take a life-cycle approach to detailed design, considering the use of construction materials and the energy and water efficiency of the building during operation adopting the "green building" concept e.g., using natural ventilation for reducing the need for air conditioners. Detailed design is to include rainwater harvesting and enable PTCUL to readily fit solar panels on building rooftop once operational.	Complied during the design and construction phase of the project as applicable
			Control building design will provide for sanitation and welfare facilities as per national regulations and international GIIP including indoor toilets (separate for men and women) with hand washing facilities (minimum	Complied during the design and construction phase of the project as applicable

			of 1 unit to 6 males and 1 unit for 6 females shall be provided) and a dedicated cooking area / clean eating area / rest area for staff on-site etc	
			Provide access to a safe, secure, hygienic facility for female workers' children below five years of age; any room provided for this purpose must be segregated from the operational elements of the substation.	Complied during the design and construction phase of the project as applicable
			Dedicated shelter to be provided at the site entrance for use by security guards, shielding them from rain, wind, and extreme (hot / cold) temperatures.	Complied during the design and construction phase of the project as applicable
			All wastewater to be connected to existing sewerage system or septic tank with soak away so no untreated wastewater will be disposed of to surface water or ground in operation, septic tank/soakaway effluent to meet national general wastewater standards or IFC wastewater discharge limits, whatever is the most stringent.	Complied during the design and construction phase of the project as applicable
			Potable water will be supplied that meets national ISO 10500 drinking water standards (full suite). If this is unavailable, ensure regular supply of bottled water to the site during construction and operational phases.	Complied during the design and construction phase of the project as applicable
			Design of control building to include emergency exits with emergency exit signage	Complied during the design and construction phase of the project as applicable
			Provide automatic fire alarm and fire suppression system in control building.	Complied during the design and construction phase of the

				project as applicable
			Provide fully stocked, in-date first aid kit installed in a prominent, signed position, first aid posters and emergency contacts to also be displayed	Complied during the design phase of the project as applicable
			Provide eye wash station and water supply to shower located near storage areas for fuel/oil/chemicals	Complied during the design and construction phase of the project as applicable
			Provide sand buckets, full of sand, placed in a prominent, signed location near to fire-risk locations such as transformers and oil storage areas	Complied during the design and construction phase of the project as applicable
			Provide fire extinguishers (including for oil and electric fires) in a prominent, signed location near to fire-risk locations such as transformers and oil storage areas with service and expiration dates clearly labelled along with posters on fire safety	Complied during the design and construction phase of the project as applicable
			Design to ensure all lighting is of energy efficient LED type with solar powered LED lighting where practical Use of fluorescent/HPSV lamps will be avoided since they are less energy efficient/classed as hazardous waste for purposes of disposal.	Complied during the design and construction phase of the project as applicable
			Outdoor lighting to be installed must be of low intensity with little or no blue wavelength and operated using passive infrared (PIR) technology movement sensors set at person height so as not to be kept permanently on overnight, it must be directional and shielded, so light does not fall outside substation boundaries.	Complied during the design and construction phase of the project as applicable

		General Conditions for HV Power Lines (OHL)	<u>Applicable to HV Power Lines (OHL)</u> Based on the requirements of the Draft Standard Technical Specification for Steel Pole Structure. Gol. Ministry of Power. Central Electricity Authority. April 2021, the Contractor shall ensure that:	Complied during the design and construction phase of the project as applicable
			Route to have minimum crossings of major rivers, railway lines, National/State highways, overhead EHV power lines, and communication lines.	Complied during the design and construction phase of the project as applicable
			Number of angle points to be kept to a minimum.	Complied during the design and construction phase of the project as applicable
			Distance between the terminal points specified to be kept shortest possible, consistent with the terrain that is encountered (<i>but considering environmental and social constraints to be identified within the IEE</i>).	Complied during the design and construction phase of the project as applicable
			Marshy and low-lying areas, riverbeds and earth slip zones to be avoided to minimize risk to the foundations.	Complied during the design and construction phase of the project as applicable
			Areas subjected to flooding such as nalah shall be avoided.	Complied during the design and construction phase of the project as applicable
			All alignment should be easily accessible both in dry and rainy seasons to enable maintenance throughout the year.	Complied during the design and construction phase of the project as applicable
			It would be preferable to utilize level ground for the alignment.	Complied during the design and construction phase of the

				project as applicable
			The areas requiring special foundations and those prone to flooding to be avoided.	Complied during the design and construction phase of the project as applicable
			Crossing of power lines to be kept to a minimum. Alignment of a transmission line with respect to existing line will be kept considering ROW and tower falling distance.	Complied during the design and construction phase of the project as applicable
			Crossing of communication lines to be minimized and it shall be preferably at right angle. Proximity and parallelism with telecom lines to be eliminated to avoid danger of induction to them.	Complied during the design and construction phase of the project as applicable
			Certain areas such as quarry sites, tea, tobacco and saffron fields and rich plantations, gardens and nurseries which will present PTCUL problems in acquisition of right of way and way leave clearance during construction and maintenance to be avoided.	Complied during the design and construction phase of the project as applicable
			Angle points during survey should be selected such that shifting of the point within 100 m radius is possible at the time of construction of the line (<i>subject to updating of the IEE for ADB clearance</i>).	Complied during the design and construction phase of the project as applicable
			Routing of a transmission line to avoid large habitations, densely populated areas, protected / reserved forest / National Parks / Wild Life and Bird Sanctuaries, the habitant zones of Great Indian Bustard and other protected species, civil / military airfields and aircraft landing	Complied during the design and construction phase of the project as applicable

			approaches, reserve coal belt areas, mining area, oil pipeline/underground inflammable pipelines etc. to the extent possible.	
		Exposure to safety risk	<u>Applicable to HV Power Lines (OHL)</u> Ensure all relevant safety clearances and right of way are applied to HV power lines per national standards, see Appendix O.	Complied during the design and construction phase of the project as applicable
			During route survey identify presence of all buildings/properties within the ROWs with particular attention to mapping school compounds and playgrounds; minimum distances to center line to be inventoried.	Complied during the design and construction phase of the project as applicable
			Installation of HV power lines above or adjacent (within the horizontal clearance) to residential properties or other locations intended for highly frequent human occupancy (e.g., schools or offices) to be avoided. No school compounds or playgrounds will fall within the horizontal safety clearance.	Complied during the design and construction phase of the project as applicable
			Barbed wire type anti-climbing device shall be provided and installed by the Contractor for all tower structures. The height of the anticlimbing device shall be approximately 3 m above ground level. The barbed wire shall conform to IS: 278 (size designation A1). The barbed wires shall be given chromating dip as per procedure laid down in IS:1340.	Complied during the design and construction phase of the project as applicable
			Each tower shall be fitted with a number plate, danger plate and a set of phase plates per circuit. The arrangement for fixing these accessories shall not be	Complied during the design and construction phase of the project as applicable

			more than 4.5 m above ground level.	
			Ensure that ICNRP community EMF exposure levels (reference and peak values) will be achieved	Complied during the design and construction phase of the project as applicable
			All transmission towers will feature written and visual warning signs that meet the IEEE standards to include the ISO 7010 "Hazard Type: Electrical Symbol" warning of the risk of electrocution	Complied during the design and construction phase of the project as applicable
		Visual impact of HV power lines	<u>Applicable to HV Power Lines (OHL)</u> For the micro-siting of HV power lines, the towers and lines to be located as far away as practical from residential dwellings.	Complied during the design and construction phase of the project as applicable
			Include visibility of the towers among the factors considered during final tower positioning, including determining the proper balance between heights of towers and the number of towers.	Complied during the design and construction phase of the project as applicable
		Damage to socially/culturally sensitive and historical sites	<u>Applicable to All Components:</u> Permanent or temporary facilities will strictly avoid protected ASI and GoUK monuments including the 300m regulated area associated with protected ASI and GoUK monuments.	Complied during the design and construction phase of the project as applicable
			<u>Applicable to HV Power Lines (OHL and UG)</u> Contractors to conduct an inventory of physical cultural resources in and adjacent to the RoW prior to the start of any works including distances to the center line.	Complied during the construction phase of the project as applicable
			Careful selection of route alignments to avoid encroachment on socially, culturally, and archaeological sensitive areas (e.g., sacred groves, graveyards, religious	Complied during the design and construction phase of the project as applicable

			worship place, monuments etc.)	
		Impacts to designated sites	<u>Applicable to all Components</u> No OHL works will be permitted in ESZ or draft notified ESZ.	Complied during the design and construction phase of the project as applicable
			SS sites and OHL route alignments plus any temporary facilities that are potential pollution sources (including from noise) will be located at least 500m from the core / buffer zones of national parks, wildlife sanctuaries, conservation/tiger reserves, and other internationally and nationally recognized biodiversity sites such as Ramsar Sites, Key Biodiversity Areas, Important Bird Areas, elephant corridors, tiger corridors etc. SS sites and OHL route alignments will be located at least 100m from reserve forests and other notified forest areas.	Complied during the design and construction phase of the project as applicable
			Temporary laydown and storage areas that are not potential pollution sources may be located a minimum of 50m distant of notified forest areas/forest habitat.	Complied during the design and construction phase of the project as applicable
			Only exception to OHL works allowed within 500m of tiger corridors and KBA is the LILO of 132 KV Khatima - Sitarganj line where at least 100m to the tree line must be maintained from the SS site and route alignment.	Complied during the design and construction phase of the project as applicable
			Only those SS sites and UG cables as set out in the IEE will be permitted in the ESA and draft notified ESZ covering Dehradun. UG cables routed within 100m of notified forest areas/forest habitat must be installed	Complied during the design and construction phase of the project as applicable

			within the existing road alignment.	
			Only exception to works allowed in notified forest areas/forest habitat will be second stringing of the OHL as set out in the IEE. No temporary facilities for second stringing of the OHL will be allowed within notified forest areas/forest habitat. The written permission of the Forest/Wildlife Department has been secured by PTCUL and their requirements will be followed (e.g., no new forest land will be utilized, no new towers will be constructed other than the originally approved, stringing of the second circuit will be done on the double circuit towers already erected, and no tree felling will be done) along with applicable requirements of the original forest clearance for diversion of land.	Complied during the design and construction phase of the project as applicable
			For those works within the ESA and within 10km of protected areas where the ESZ is not yet gazetted written permission (as applicable) will be obtained from the Forest/Wildlife Department, Mussoorie Dehradun Development Authority (for works in Dehradun-Mussoorie) the Uttarakhand Pollution Control Board.	Complied during the design and construction phase of the project as applicable
			Except for laydown and storage areas that are not potential pollution sources temporary facilities (e.g., centralized concrete batching plant, hot mix plant, refueling areas, maintenance yards, storage areas for loose materials or fuel/oil/chemical, temporary worker camps) will not be	Complied during the design and construction phase of the project as applicable

			sited in a notified or draft notified ESZ. However, they will be permitted in the ESA and within 10km of protected areas where the ESZ is not yet gazetted if written permission is requested from and provided to the contractor by the Forest/Wildlife Department, Uttarakhand Pollution Control Board, Mussoorie Dehradun Development Authority (for works in Dehradun-Mussoorie)	
		Land Acquisition and Compensation, resettlement and temporary disruption	<u>Applicable to HV Power Lines (OHL and UG)</u> During route survey identify presence of all buildings/properties within the ROWs with particular attention to mapping school compounds and playgrounds; minimum distances to center line to be inventoried.	Complied during the design and construction phase of the project as applicable
			Where properties cannot be avoided in the design and where they are present within national safety clearances the properties will be expropriated by PTCUL following the procedures outlined in the Project LARP. The LARP will be updated by PTCUL during the design phase to include any such properties	Complied during the design and construction phase of the project as applicable
			Underground cables will be bored and laid using trenchless method through Horizontal Directional Drilling (HDD) machine as the preferred option.	Complied during the design and construction phase of the project as applicable
			Open trenching will only be used with the permission of PTCUL where sufficient open space is available away from narrow and congested roads, there will be no disturbance to vegetation/trees, and no social safeguard constraints	Complied during the design and construction phase of the project as applicable

			present, and the trench will be open and backfilled within a single day.	
			UG cable alignment to be designed to be within road/sidewalk reserves as far as is practical, having minimal impact on private land holdings and any informal settlement, street vendors etc.	Complied during the design and construction phase of the project as applicable
		Damage to private property, crops and water supplies etc.	<u>Applicable to SS:</u> Drains bisecting the SS sites will be maintained with bridge/culvert to cross over sufficient to allow passage of flood water. <u>Applicable to HV Power Lines (OHL and UG)</u> Alignment to avoid or minimize crop disturbance where lines cross private land by crossing uncultivated land (not natural habitat) as much as possible.	Complied during the design and construction phase of the project as applicable
			During route survey identify and inventory presence of any surface waterbodies including rivers/ponds and groundwater sources including springs/wells/pumps within the ROW and confirm if any are used by local communities for drinking water or other purposes documenting distance to the center line.	Complied during the design and construction phase of the project as applicable
			Alignment to avoid impacting on rivers/ponds and groundwater sources especially water sources including springs/wells/pumps used by local communities.	Complied during the design and construction phase of the project as applicable
			Alignment to avoid impacting on men and women's access to common land for uses such as fuelwood and fodder and water resources; use of common land and water	Complied during the design and construction phase of the project as applicable

			resources to be identified through consultation	
		Access roads	<u>Applicable to all Components</u> No new permanent access roads will be constructed except to SS sites if needed; for HV power lines existing access roads will be used in the first instance along with manual construction to minimize soil compaction from vehicle movements.	Complied during the design and construction phase of the project as applicable
			Designs for access roads in steep terrain will be submitted for approval, no access roads will be cut into a hillside	Complied during the design and construction phase of the project as applicable
			Access roads will be graded and sloped with drainage either side to prevent unnecessary flow of water across the road and to minimize soil erosion.	Complied during the design and construction phase of the project as applicable
			If new access roads are required the Contractor will make the access suitable for use and shall take all reasonable precautions to avoid damage, including, if required, the erection of temporary fences or gates where permanent fences, hedges or gates have been removed.	Complied during the design and construction phase of the project as applicable
		Drainage	<u>Applicable to all Components</u> Final surface level of substation and tower foundations will be at least 0.5 m above the existing ground level or highest flood level including an allowance for climate change based on the findings of the climate change assessment prepared for the Project (whichever is higher)	Complied during the design and construction phase of the project as applicable
			Foundations to be constructed in such a way as to be adequately drained to prevent washouts and flooding impacts to adjacent land.	Complied during phase of the project as applicable

			Junctions between new access roads and existing roads will not impede or damage the latter nor any associated drainage channels, irrigation infrastructure, etc.	Complied during the design and construction phase of the project as applicable
3	Biodiversity	Habitat Loss, Tree Cutting	<u>Applicable to all Components</u> Contractor to employ field ecologists to undertake ROW walkover, map habitats beneath towers and ROW confirming if modified or natural habitat present, and listing species encountered. During ecological surveys field ecologists will enumerate the number and species of trees requiring to be cut and lopped. In forest habitat the quality of forest cover lost will be confirmed. Submit ecological survey report alongside design.	Complied during the design and Construction phase of the project as applicable. The ecological report is only required for Stringing of Second Circuit 132 KV Pithoragarh - Champawat Line, Since the stringing work of said line is 5 % completed, and completed stringing of line is not lying in any natural habitat, and ecological report of said lying is preparing and it will be submitted to next ESMR.
			Presence or absence of sensitive receptors and critical habitat species identified in IEE to be confirmed by field ecologists during route surveys including detailed species surveys as required by the IEE. Adaptive management measures to be applied according to the findings of the surveys, e.g., realignment of cable routing to avoid tree roots, etc.	Complied during the design and construction phase of the project as applicable
			Carefully select route alignments and substation layouts to avoid or at least minimize the need to cut/trim	Complied during the design phase of the project as applicable

			trees by avoiding areas with a high concentration of trees.	
			Cutting or trimming of trees will only be planned when required to meet safety clearance requirements per CEA requirements	Complied during the design and construction phase of the project as applicable
			Entry/exit pits for UG cables to be placed to avoid the area beneath tree crowns (zone for root protection) and other vegetation. UG cable alignment placed to avoid the tree crowns especially mature trees.	Complied during the design and construction phase of the project as applicable
		Primates/Elephants	<u>Applicable to HV Power Lines (OHL)</u> Detailed design to include retrofitting of transmission towers in forest area/habitat and within 500m with anti-climbing devices designed specifically for primates (barbed wire is less effective).	Complied during the design phase of the project as applicable
			Ensure that the minimum height of lowest sag of HV power line conductors is at least 6m over and above the minimum clearance stipulated by CEA, for the safe passage of the terrestrial fauna.	Complied during the design and construction phase of the project as applicable
		Bird Electrocutio n and Collisi on	<u>Applicable to all HV Power Lines (OHL)</u> Design of all OHL to minimize the risk of bird electrocution and collision following international best practice for phase-to- phase and phase-to-ground clearances for large birds at risk, as identified in the IEE.	Complied during the design phase of the project as applicable
			Maintain at least a 1.5 meter (60-inch) spacing between all energized components and grounded hardware or, where this spacing is not feasible, covering all energized parts and hardware to avoid	Complied during the design and construction phase of the project as applicable

			electrocution.	
			Bird diverters, wherever required as per MoEF&CC or WII guidelines or where birds are at risk of collision per the findings of the IEE (Appendix C), shall be provided and installed by the contractor immediately following stringing and before commissioning/energizing of the HV power line. Specific lines are: Mangalore - Nara LILO (6 locations for diverters) Kashipur - Mahuakheraganj LILO (5 locations for diverters) Mahuakheraganj - Jaspur LILO (8 sections for diverters)	Complied during the design phase of the project as applicable The Bird diverter will be installed as an when required.
			Exact stretches for bird diverter marking are to be confirmed by field ecologists during route surveys and agreed with PTCUL.	Complied during the design phase of the project as applicable
			Technical specifications for bird diverter available at Central Electricity Authority website (www.cea.nic.in) shall be followed. They must also be an internationally accepted robust design, rotates, of contrasting color, reflects UV light, glows in the dark, and is guaranteed. At minimum the bird divertors to be placed at 10m spacing along the earth wire.	Complied during the design phase of the project as applicable
			Design of second circuit OHL will ensure that the conductors are installed in the same horizontal plane as the existing conductors (to avoid additional barrier being created to bird flight paths).	Complied during the design phase of the project as applicable
			To prevent birds perching immediately above the suspension insulator strings (I-Type / V-Type) and fouling	Complied during the design phase of the project as applicable

			the same with droppings as well as to help prevent electrocution, suitable bird guards shall be provided at crossarm tips of all suspension towers. The bird guard arrangement shall be such that it shall either prevent bird from perching in position where they are liable to cause damages or ensure that if birds do perch, droppings will fall clear of the insulator string and they will not be at risk of electrocution. Suitable provision of cleat / plate to be provided on all suspension towers facilitating installation of bird guard after stringing. At minimum saw type bird guard conforming to IS: 5613 shall be provided.	
	Equipment specifications and design parameters	Polychlorinated Biphenyls (PCB)	<u>Applicable to all SS</u> PCBs will not be permitted for use in any transformers at substations or in any other project facilities or equipment.	Complied during the design phase of the project as applicable
			Provide PTCUL with material data sheets for the insulating oil used in transformers.	Complied during the design phase and construction phase of the project as applicable
			Processes, equipment, and systems not to use chlorofluorocarbons (CFCs) including halon.	Complied during the design phase of the project as applicable
		Exposure to electromagnetic interference	<u>Applicable to all Components</u> Designs to comply with the reference levels of the International Commission on Non-Ionizing Radiation Protection (ICNIRP) for EMF exposure. Contractor to provide EMF calculations to the PISC for review and approval.	Complied during the design phase of the project as applicable
			<u>Applicable to all SS</u> Use of shielding equipment/materials to	Complied during the design phase

			decrease electromagnetic field exposure included at any substation where calculations identify levels above ICNIRP reference levels at properties close to the substation.	of the project as applicable
		Exposure to noise	<u>Applicable to all SS</u> Design substations so operational noise complies with 1-hour LAeq 70 dB(A) at the site boundary, 55dB(A) outside the fence line if located within a commercial zone, 45 dB(A) at the nearest residential properties including located those in commercial zones, and 40dB(A) at 100m distance from silent zones.	Complied during the design phase and construction of the project as applicable
			Given transformers are generally in the range 60-80 dBA at 1m they are to be located at least 5 m inside the substation site boundary but this distance will need to be increase to between 20m - 100m depending on the land use adjacent to the substation for noise limits to be met without additional attenuation. Diesel generator sets will similarly need to be located away from the SS boundaries.	Complied during the design phase of the project as applicable
			If residential properties or other sensitive receptors are near the substation boundary, then measurements must be carried out during detailed design and baseline noise calculations (modelling) considering low frequencies associated with transformer hum will be undertaken by the Contractor to demonstrate that the noise standards/guidelines can be met. If background noise levels already exceed the standards/guidelines the design must ensure that noise levels result in a <3dBA increase in background.	Complied during the design phase of the project as applicable
			Due to presence of receptors within 50m an	Complied during the design phase

			acoustically designed enclosure or wall will be installed around the transformers at the following substations to enable noise levels to be met during operation: Araghar SS Khatima-II SS	of the project as applicable
		Hazardous Materials	<u>Applicable to all Components</u> No asbestos containing materials of any type will be used in the design and construction of project facilities.	Complied during the design phase of the project as applicable
			<u>Applicable to all SS</u> Batteries will be to national standards; use lithium-ion in preference to lead acid or cadmium nickel to minimize use of heavy metals.	Complied during the design phase of the project as applicable
			Separate room for substation batteries will be provided with ventilation and exhaust fan for taking out fume gases in case of leaks and provision of monitoring of substation batteries (remote if not staffed substation) and exhaust fan will be made.	Complied during the design phase of the project as applicable
		Oil Management	<u>Applicable to all SS</u> Secure oil storage areas bunded to 110% of capacity with an impervious floor of sufficient size to accommodate all anticipated oil storage requirements will be provided. Ensure these storage areas covered, can be locked, are well-ventilated, will not reach extreme temperatures and are not connected to the surface water drainage system.	Complied during the design phase of the project as applicable
			Substation transformers to be mounted on impermeable surface extending beyond the transformer footprint, bunded to 110% capacity and not connected to the surface water drainage system to collect oil spill,	Complied during the design phase of the project as applicable

			leaks, and overflows; transformers to be sited in a separately fenced area that can be kept locked.	
			To manage leaks from oil containing equipment SS designs will follow the Draft Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2021, including Soak Pit and Oil collecting pit.	Complied during the design phase of the project as applicable
		SF6	<u>Applicable to all SS</u> Use of alternative insulation medium (such as Hydrophobic Cycloaliphatic Epoxy) to be considered as the preferred option.	Complied during the design phase of the project as applicable
			If no alternative the use of SF6 in gas insulated equipment must be minimized as part of design requirements.	Complied during the design phase of the project as applicable
			Design of any gas insulated equipment will comply with international norms and standards for handling, storage, and management of SF6	Complied during the design phase of the project as applicable
			Equipment to be hermetically pressure sealed "sealed for life" units and be tested and guaranteed by the supplier at less than 0.1% leakage rate.	Complied during the design phase of the project as applicable
			Installation designed and operated so that any leakage will trigger an alarm at the nearest concerned staffed substation requiring O&M staff to rectify the situation immediately.	Complied during the design phase of the project as applicable
			Provide SF6 leakage detector at each substation	Complied during the design phase of the project as applicable
			F6 in fire extinguishers provided at substations to be avoided.	Complied during the design phase of the project as applicable

		Geohazards	Applicable to all Components All designs shall incorporate specific measures, as required by Indian Standards for Earthquake Resistant Design of Structures and other regulations and in coherence with the MoP, GoI Disaster Management Plan for Power Sector to mitigate the risk of damage from seismic events, and other natural hazards including flooding, forest fires and landslides. All structural designs are to be checked for seismic safety by design team and an independent expert, separate to design team, to confirm national and international good practice standards are met.	Complied during the design phase of the project as applicable
		Water body / river crossings	<u>Applicable to all HV Power Lines (OHL and UG)</u> During route survey identify and inventory presence of any surface waterbodies including rivers/streams/ponds within 500m of OHL RoWs and 50m of UG cables and confirm if any are used by local communities for drinking water or other purposes.	Complied during the design phase of the project as applicable
			Carefully select route alignments to avoid bisecting lakes, ponds and wetland areas. Alignment to avoid impacting on rivers/ponds and groundwater sources especially water sources including springs/wells/pumps used by local communities.	Complied during the design phase of the project as applicable
			All OHL River/stream crossings required will be single span.	Complied during the design phase of the project as applicable
			Any river crossing associated with UG LILO of 220 KV Khodri-	Complied during the design phase of the project as applicable

			Jhajra must be in conduit attached to bridge or HDD beneath the river.	
		Climate hazards	<u>Applicable to all Components</u> All designs shall incorporate climate change adaptation measures per the climate risk assessment (2023) including: <u>Examples of Climate Adaptation Measures Applicable to SS</u> Designs shall incorporate climate change adaptation measures per the climate risk assessment, including:	Complied during the design phase of the project as applicable
			Locate or relocate substations away from areas highly susceptible to flooding/landslides when selecting substation sites.	Complied during the design phase of the project as applicable
			Conducting geotechnical investigations at substation sites.	Complied during the design phase of the project as applicable
			Designing strong foundations with higher elevation and safety factors for substation equipment including power transformers.	Complied during the design phase of the project as applicable
			Building parapet walls, drainage systems, embankments as required at substation sites	Complied during the design phase of the project as applicable
			Building fire walls between power transformers at substations.	Complied during the design phase of the project as applicable
			Providing lightning protection measures including station class surge arresters, equipment earthing, earth mesh etc. to minimize risks due to lightning.	Complied during the design phase of the project as applicable
			Implementing GIS substations at required locations to save space and minimize climate and disaster risks.	Complied during the design phase of the project as applicable

			Using power transformers with higher efficiency ratings at substations.	Complied during the design phase of the project as applicable
		Slope Stability	<u>Applicable to all Components</u> Project components on slopes must incorporate slope stability measures such as bioengineering methods and retaining walls with adequate drainage to avoid exacerbating surface erosion and/or triggering a landslide. All designs for works in steep topography to be checked by design team and an independent geotechnical engineer, separate to design team, to confirm national and international good practice standards are met. Steep topography is present at,	Complied during the design phase of the project as applicable
			Lohaghat SS Champawat second circuit stringing OHL	Complied during the design phase of the project as applicable
	Hazards to Life	OHS	<u>Applicable to all Components</u> For all construction works undertake facilitated H&S risk assessment through a workshop during the design (and at other key stages) so it can inform both design and pre-construction preparations, considering both occupational and community H&S risks resulting from subsequent stages of the project. Facilitated workshop will involve the design and construction team of the contractors and PTCUL operational staff.	Complied during the design phase and construction phase of the project as applicable
		Explosions / Fire	<u>Applicable to all Components</u> All substations and other project facilities will be designed and constructed according to national fire safety standards.	Complied during the design phase of the project as applicable
			<u>Applicable to all HV Power Lines (OHL)</u>	Complied during the design phase

			Ensure detailed design of OHL HV power lines incorporates lightening protection to minimize forest fire risks.	of the project as applicable
			<u>Applicable to all SS</u> All substations will follow any national requirements for emergency response planning and response in compliance with Ministry of Power, Gol Disaster Management Plan for Power Sector- 2021	Complied during the design phase of the project as applicable
			Ensure designs of substations in vicinity of forest habitat where dry pine needles accumulate account for potential forest fires e.g., at Lohaghat SS.	Complied during the design phase of the project as applicable
		Electrical	<u>Applicable to all HV Power Lines (OHL and UG)</u> Ensure HV power line designs are in accordance with all national safety standards for OHL and UG cabling.	Complied during the design phase of the project as applicable
			To prevent cable break incident of new UG cables, cable markings will be installed above the cable to inform those who may be excavating in future.	Complied during the design phase of the project as applicable
			In case the armor is broken by a third party and the core damaged, protection relays to which the UG cables connect will be designed to detect this and stop sending electricity immediately by automatically opening switchgear to prevent a live shock to the person.	Complied during the design phase of the project as applicable
		Access	<u>Applicable to all Components</u> Designs will ensure that there can be no illegal access to substations.	Complied during the design phase of the project as applicable
			Include in the design of all towers anti-climb features together with posting of written and visual warning	Complied during the design phase of the project as applicable

			signs to include the ISO 7010 “Hazard Type: Electrical Symbol” warning of the risk of electrocution.	
		Building and tower safety	<i>Applicable to all SS</i> All buildings will be designed in accordance with national building safety codes and Indian Standards for Earthquake Resistant Design of Structure	Complied during the design phase of the project as applicable
			All structural designs to be checked for building and seismic safety by design team and an independent expert, separate to design team, to confirm national and international good practice standards are met.	Complied during the design phase of the project as applicable
	Soils	Contaminated Land	New substations making use of existing substations will be surveyed by a contaminated land professional employed by the contractor during the design phase to assess the potential for soil contamination to be present in the area proposed for works (Phase 1 Site Investigation).	Complied during the design phase of the project as applicable
			If signs of potential contamination are present in this area, e.g., oil storage tanks, old leaking transformers, oil staining, etc. soil sampling and testing shall be undertaken in the proposed work area to determine the level of soil contamination.	Complied during the design phase of the project as applicable
			The findings and recommendations of the survey will be submitted to PTCUL for approval.	Complied during the design phase of the project as applicable
			If soil contamination is noted in the work area, a method statement for the management and/or removal and disposal of the contaminated soil as hazardous waste following	Complied during the design phase and construction phase of the project as applicable

			international good EHS practices will be prepared and submitted to PTCUL for approval.	
			This is specifically applicable to the following substations as well as any others supporting existing land use other than agriculture: 220/33 KV (2x50 MVA) GIS Substation, Selaqui, Dehradun 132/33 KV, (2X40 MVA), GIS Substation, Araghar (heavy metals identified during baseline soil sampling) 132/33 KV (2x40 MVA) GIS Substation, Dhaulakhera, Nainital	Complied during the design phase of the project as applicable
	Asbestos	Removal of asbestos existing substations	<u>Applicable to all SS</u> If demolition of existing buildings or structures is required, then they will be surveyed by a competent asbestos surveyor employed by the contractor during the design phase to confirm the risk of asbestos being present. The findings and recommendations of the survey will be submitted to PTCUL for approval.	Complied during the design phase of the project as applicable
			If asbestos is found a method statement (Asbestos Management Plan) for its management and/or safe removal and disposal of asbestos as hazardous waste following international good EHS practices will be prepared and submitted to PTCUL for approval.	Complied during the design phase of the project as applicable
			Removal and disposal of asbestos will be in accordance with the asbestos management plan. Site will need to be confirmed "clean" by a competent asbestos surveyor before	Complied during the design phase of the project as applicable

			any works on the new SS will be started.	
	Final Designs	Community Consultations	<u>Applicable to all Components</u> Contractors to undertake and document meaningful consultations with potentially affected persons and local communities within 500m of the substations and OHL RoWs and 50m of UG RoWs, ensuring representation of at least 30% women, as well as other stakeholders including local authorities and public utilities during design in order that any concerns raised can be reflected in the choice of SS site layout, route alignment and construction method.	Complied during the design phase of the project as applicable
			Every individual on whose land the OHL towers will be installed will also be consulted one-on-one by the Contractor prior to finalization of the position of the tower footings.	Complied during the design phase of the project as applicable
		Review of documentation, update of the IEE	documentation, update of the IEE Applicable to all Components Detailed designs will be reviewed by the contractor and PTCUL to confirm all measures required by the IEE/EMP have been adequately incorporated and that they reflect international engineering best practice/good EHS practice before they are approved.	Complied during the design and construction phase of the project as applicable
			Prior to PTCUL approval of the designs and commencement of construction, ensure that PTCUL have updated the IEE as required to reflect the final scope of SS works/design/route alignment, seeking ADB clearance of any updated IEE before works start by contractor.	Complied during the design phase of the project as applicable

6.2 Compliance to Environmental Management Plan for Construction Phase (Package 1- Lot1, Lot2), Package 2, Package 3- Lot-1,Lot2

S. No	Items	Impact	Commitment	Compliances
1.	Training	Pollution Prevention	Conduct bi-monthly training of workers on pollution prevention control including good housekeeping and how to clean up oil/fuel spills and dispose of contaminated sorbent material which would be treated as a hazardous waste. Include emergency preparedness and response procedures (drills) in case of spill. To include training for subcontractors before commencement of works.	Bi-monthly training conducted; subcontractor induction is being done. Spill drills are done and Subcontractors trained prior to mobilization. Records maintained.
			Information will also be incorporated into the site induction process and will outline the role of personnel in the management of waste and emissions from site and spill response procedures. Site induction training will be supplemented by regular toolbox talks with relevant personnel if inspections or audits highlight failings in waste management.	Site induction includes pollution and waste management protocols. Toolbox talks conducted regularly.
		OHS	Conduct daily toolbox talks on pertinent topics related to the day's work and weekly training on occupational health and safety for all construction workers including refreshers. To include training for subcontractors before commencement of works.	Toolbox talks conducted daily; attendance sheets and topics recorded. Sample Photographs for the same is enclosed
			Ensure workers with a specific role have attended specialized health and safety trainings related that role e.g., health and safety stewards, first aiders, fire safety officers, as well as ensuring workers have received task-specific trainings for working at height, demolition, working with electricity, etc.	The skilled labour and unskilled labours are categorized differently, training of OHS

				provides as per their skilled.
			Only allow suitably trained and qualified workers to work on electrical equipment and at height, these workers must have training record of attending suitable training course on electrical safety and working at height and be provided with and wear the appropriate PPE for their role.	Task-specific training (e.g., working at height, demolition, electrical work) are being conducted at the site. Job-specific induction and safety briefing conducted. Along with the records.
			Untrained workers must not be permitted to work with live electricity or to work at height.	Strict access control in place. Supervisors enforce restrictions at site level.
		Emergency Response	Conduct monthly training involving all workers on emergency preparedness and response procedures (drills) in case of an occupational or community health and safety incident during construction works including fire, natural hazard, disease outbreak etc. To include training for subcontractors before commencement of works.	Mock drills conducted at every 15 days for avoiding any emergency occurs at constructed sites.
			Emergency preparedness and response training for construction management will include modules on fire and fire safety including include training on how to use first aid and firefighting equipment provided on-site, and scenario of potential or confirmed COVID-19 infection.	Emergency Preparedness and response training provided at every sites.
		Driver Training	Driver training, monthly, to include advice on behaviors to reduce the potential for disturbance, including use of horn, loud radios with windows open, switching	Complied. Also, drivers are instructed to

			engines off when not in use, strictly observing speed limits and not accelerating or braking aggressively.	avoid drinking and driving.
2	Communications	GRM	Contractor's safeguards team will act as site GRM Focal and keep affected persons and local communities informed of the status of work and be readily available onsite to receive, document and deal with grievances at site level.	GRM focal person appointed. Communities informed through meetings and notices. Complaint register maintained at site.
			Encourage use of the GRM and clarify that this does not prevent affected persons from pursuing any legal action, if they feel it is needed, and inform communities about the ADB Accountability Mechanism and their possibility to resort to it if any grievance is not resolved by the project level GRM.	Community sensitization conducted. GRM process and ADB Accountability Mechanism explained during public consultations.
		Worker GRM	GRM will be available to all workers for receiving and handling complaints about unfair treatment or unsafe living or working conditions, sexual harassment, ensuring no coercion nor reprisal.	Worker-specific GRM established and explained during induction. Complaint box and logbook available. Grievance confidentiality assured.
			Construction workers will be given access to register any grievances with the contractors or direct access to the PTCUL GRM Focal	Grievance access pathways clearly displayed at the site. Workers oriented about PTCUL contact details and escalation process.

3	Air Quality	Release of Exhaust Gases and Fugitive Emissions	Emission sources (vehicles such as excavators) shall be positioned as far as is practical from sensitive receptors.	Being Complied Vehicles and excavator positioned far away from receptors to minimize exposure
			Equipment and vehicles will be regularly maintained in accordance with the manufacturer's recommendations to maximize fuel efficiency and help minimize emissions.	Maintenance logs maintained; servicing done regularly to optimize efficiency
			Use diesel fuel that has a low sulfur content, less than 0.1%	Fuel procurement complies with low-sulfur standards
			Construction equipment and vehicles will meet national emissions standards.	All operational equipment meets CPCB/State norms
			Hold valid PUC emission certificates of all construction vehicles.	Being Complied, Certificates are up to date and collected in control of records
			Belching of black smoke is prohibited.	Being Complied, Operators trained and monitored; non-compliant vehicles not allowed.
			Limit engine idling to maximum 5 minutes.	Drivers instructed and monitored through site supervision

			The open burning of wastes generated by project-related activities is strictly prohibited.	Waste managed per waste management plan; no open burning observed
			Avoid the use of diesel- or petrol-powered generators and use mains electricity or battery-powered equipment where practicable.	Battery-powered equipment supply used to maximum extent possible; diesel generators avoided at site
			Stack emissions of temporary diesel generator set or hot mix to comply with national emission standards with the stack height designed according to both national requirements and IFC EHS General Guidelines.	No HMP is required to setup at site. No DG sets are being used also as the electricity connection is available at site. With the progress of work, if the requirement of DG set and HMP arises, necessary compliance regarding standard emission will be ensured.
		Siting of Equipment	Stationary emission sources (e.g., portable diesel generators, compressors, etc.) shall be positioned as far as is practical from sensitive receptors.	No generators currently in use; if required, proper siting will be ensured
		Dust	Ensure an adequate supply of bowsers and carry out watering for dust control at least twice a day within 50m of work sites: in dry weather with temperatures of over 25°C, or in windy weather. Dust control measures will also be implemented on all access roads within 50m of residential /	Complied at site, Dust control measure had been taken at site i.e. spraying of water, and covering of dust

			sensitive receptors. Avoid overwatering as this may make the surrounding muddy.	by using Tarpaulin etc.
			If temporary access tracks are constructed with a gravel surface, they will be routinely watered by during dry weather to reduce dust impacts.	Being Complied, regularly sprayed of water at temporary tracks
			For UG cables entry/exit pits will be refilled with temporary repaving of the excavated area done manually immediately once cable installation is completed.	It shall be complied, while working on UG cables at site.
			Soil scattered on pavements and roads shall be immediately swept up to avoid windblown dust.	Regular sweeping done at work areas and access roads
			Vehicle movements will be restricted to defined access routes and demarcated working areas (unless in the event of an emergency).	Being Complied, vehicle movement is restricted to access routes, construction sites is demarcated by caution tape etc.
			A strict Project speed limit of at most 30km/hr. will be enforced for Project vehicles using unmade tracks.	Being Complied, speed limit boards are displayed at site for vehicle and strictly follows.
			Excavated materials will be stockpiled where practical away from sensitive receptors, such as homes, schools, and health facilities. Where this is not possible, ensure regular watering of stockpiles to prevent dust impacts.	Being Complied, excavated material are stockpiled away from sensitive receptors i.e. homes, schools,

				and health facilities.
			Keep stockpiles of soil, aggregate and waste materials covered with canvas or tarpaulin when spoil heaps are not active to avoid suspension or dispersal of fine soil particles during windy days and to prevent disturbance by stray animals.	Being Complied, stockpiles of soil, construction materials and covered with tarpaulin and canvas. and spraying of water on daily. Excavated materials stored away from schools, homes, etc.
			Earthwork operation will be suspended when the wind speed exceeds 20 km/h in areas within 500 m of any community.	Being Complied
			Vehicles carrying fine aggregate materials will be sheeted with canvas or tarpaulin to help prevent dust blow and spillages.	Being Complied
			Only use cutting, grinding, or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g., suitable local exhaust ventilation systems.	Being Complied, cutting of steel is being done by Steel cutting machine.
			Concrete batching (if required) will be sited at least 500m away from sensitive receptors.	No batching plant in operation currently; compliance ensured if required
			For SS a solid temporary fencing shall be installed around the boundary/works area to minimize the dispersion of dust, it will also function as a temporary acoustic noise fence to minimize the noise and visual impact.	Fence installation underway; will act as dust/noise barrier

			Undertake weekly dust soiling checks of surfaces of adjacent properties during earthworks and help with cleaning of external surfaces of property if dust is evident.	Regular checks done; no cleaning required yet
			If there is an increase in existing background air pollution or complaints are received contractor will be required to implement additional dust or noise mitigation e.g., barricading/isolating sources of dust, use of wheel wash etc.	Being Complied. No complaints received yet; mitigation plan in place
			Provide workers with N95 dust masks to be worn when ambient conditions are dusty or when dust generating activities take place.	Being Complied, N95 mask is being used by workers at site, and N95 mask is strictly wear by worker
4	Hydrology	Water resources	Construction activities must not limit the availability of or restrict access to water sources (e.g., wells) used by local communities.	Being Complied
			Natural flow of waterbodies must not be obstructed or diverted to another direction.	There is no obstructed any natural water bodies at site.
		Water pollution	Follow liquid management and storage requirements listed below under 'soils'.	Being Complied
			No untreated wastewater will be discharged direct to surface water bodies or groundwater.	Being Complied,
			All wastewater to be connected to existing sewerage system or septic tank with soak away, septic tank/soak away effluent to meet national general wastewater standards or IFC wastewater discharge limits, whatever is the most stringent.	Being Complied, Wastewater is connected through sewerage system, and septic tank is constructed at site

			Self-enclosed portable toilets may be used where the wastewater generated is enclosed in a container and will later be taken offsite to a municipal STP for wastewater treatment and disposal.	Being Complied Self -Enclosed portable toilets installed at each site and generated waste is connected with constructed septic tanks
			Use of pit latrines is prohibited as is open defecation and urination and uncivil use of roads or private premises by construction workers.	Being Complied, proper latrines is constructed with septic tanks for workers, and urination and defecation is strictly prohibited at constructed site.
			Concrete batching (if required) will be sited at least 50m away from sensitive receptors such as watercourses; wash pits to be lined with an impermeable liner.	Being Complied
			Treated wastewater will be used for damping down earthworks and road surfaces to mitigate dust generation.	Being Complied
			Construction camps will be located at least 50m from water courses.	Being Complied
			Locate mobile generators and site construction equipment at least 50m from groundwater resources and surface waters.	Being Complied
5	Soils	Soil Compaction	To avoid compaction impacts outside the cleared areas, i.e., tower foundations vehicle movements will be restricted to defined access routes and working areas (unless in the event of an emergency).	Being Complied
		Topsoiland excavated materials	Minimize removal of existing vegetation and topsoil. Topsoil disturbed will be separately stored and used to restore the surface of the excavated area.	Will be implemented during topsoil removal, if required

			On completion of works, stockpiled topsoil will be spread over the surface of disturbed areas (if not under hard surfaces) and used in the restoration of temporary construction facilities. Once the topsoil has been replaced it will be stone picked to remove any large stones which are not in keeping with the surrounding soil texture. Revegetation of the soils will follow using native seed mixes to Uttarakhand.	It is being implemented after completion of construction. Topsoil is applied as part of site restoration after work completion
			Soil exposed to oil leakage from transformer equipment that MLV power lines are connecting to be to be removed from site for disposal as a hazardous waste.	Being complied, while erection of transformer at site and strictly follows the waste management plan of hazardous disposal.
			Records of excavated soil, generated waste, and transfer records will be kept.	Records are being maintained.
			If topsoil is stored for more than six months, the stacks will be monitored for anaerobic conditions and manual aeration will be undertaken if they develop.	Being complied
			Stored subsoil and topsoil will be segregated in a manner that avoids mixing.	Segregation of top soil is being ensured
			Topsoil stacks will be free draining. Topsoil will be stored outside the running track used by construction plant, equipment and vehicles.	It shall be complied if required.
			Soil storage areas will be protected from vehicle movements to avoid soil compaction.	Storage zones are fenced and demarcated to restrict access by construction vehicles
			Excavation will be limited to within the agreed corridor of impact.	Excavation monitored regularly; no encroachment

				beyond designated boundaries
			Infertile and rocky material will where possible be reused as fill material around foundations. If it needs to be taken off site, it will be disposed by licensed waste management operator at designated disposal area suitable for accepting inert wastes.	Not applicable
			Upon completion of subsoil and topsoil reinstatement, disturbed areas will be inspected jointly for signs of erosion, slope instability, topographic diversity, surface water drainage capacity and function, and compaction with the contractor implementing remedial measures where required.	Being carried out after completion of topsoil and subsoil reinstatement; remedial measures are being implemented as needed
		Soil erosion	Schedule works during the dry season where practical to minimize any exposed areas subject to erosion by surface water runoff.	Where feasible, major excavation and land disturbance activities are planned during dry periods
			Temporary erosion control measures will be developed and implemented after initial land disturbance and if construction activity on the working areas is suspended over the wet season before full reinstatement of the site has been completed.	Temporary erosion controls such as silt fences and bunds are used when work is halted during rain
			Rehabilitate any disturbed areas beyond footprint of the alignments and substation infrastructure footprint to at least original condition through vegetation using native species.	Restoration is ongoing using native species; limited areas disturbed beyond footprint are addressed progressively

			Slope stability measures to be implemented during construction to minimize landslide risk.	Measures such as benching, retaining structures, and proper drainage are in place on sloped terrain
			In steep terrain natural flows will be diverted around the tower site and the foundation protected by grading of excavated slopes, placing riprap or retaining wall, or other erosion control measures.	Not Applicable
			Temporary access tracks will not be cut into a hillside immediately below a tower.	Not Applicable
			Temporary access tracks will be graded and sloped to prevent unnecessary flow of water across them and to minimize soil erosion.	Not Applicable
		Contaminated Land and asbestos	Any soils within work sites that appear to be contaminated by leaked oil or fuel shall be removed and disposed of as hazardous waste per the Contaminated Land Management Plan, similarly asbestos will be managed per the Asbestos Management Plan. This is specifically applicable to the following substations as well as any others supporting existing land use other than agriculture:	There is no hazardous waste recorded
			220/33 KV (2x50 MVA) GIS Substation, Selaqui, Dehradun	
			132/33 KV (2x40 MVA) GIS Substation, Dhaulakhera, Nainital	
			132/33 KV, (2X40 MVA), GIS Substation, Araghar	

		Drilling fluid	HDD equipment will use water as a drilling fluid to reduce noise level. Do not allow the use of oil or bentonite clay as a drilling fluid. Where water is used any excess must be disposed of to open ground for percolation, or if no open ground to waiting tanker trucks for proper disposal, it must not be disposed of to surface water.	Not Applicable for construction of substation, and overhead UHT line, it shall be complied while construction of underground line.
		Soil Pollution	Fuel, oil, and chemicals used to be kept under lock and key and stored in labelled, sealed containers on drip trays to provide secondary containment. They will be located on an impermeable surface and be under cover. This will be located at least 50m from any surface water course or seasonal water channel.	Storage facility is set up as per EMP guidelines
			Mount plant containing oil and diesel on drip trays to catch leaks.	All active plant on site has drip trays in place
			Refueling operations, equipment servicing and wash-down to take place on an impermeable surface at least 50m from watercourses, springs and wells, with drainage directed through oil and grease interceptors before being discharged into a settling pond prior to discharge offsite.	Refueling area identified and isolated with proper drainage
			Regular inspections and maintenance will be carried out of secondary containment areas to confirm that they are functioning effectively.	Maintenance checklist and inspection log maintained
			Provide sufficient absorbent materials (e.g., sorbents, dry sand, sandbags) on-site for soaking up fuel, oil or chemical leaks/spills.	Absorbent kits placed at fuel and chemical storage areas
			Spill response equipment (absorbents etc.) will be available in hazardous materials storage areas.	Spill kits placed and marked in each designated zone
			All material safety data sheets (MSDS) are kept on site with the relevant materials.	MSDS folder available and accessible to workers

			Materials that can potentially react with each other will be segregated during storage.	Segregated racks and labeling system implemented
			Hazardous chemicals will be securely stored on site in a designated storage area.	Locked hazardous storage container established on site
			Relevant personnel will be trained in safe use and handling of hazardous materials.	Training logs maintained; training conducted regularly
			Relevant construction personnel will be trained in use of spill kits and disposal practices.	Toolbox talks and hands-on demonstrations provided
			Vehicles delivering fuel or hazardous liquids will carry appropriate spill kits to allow an initial response to any spill to be deployed.	Vehicles checked and verified to carry spill kits
			All mobile plant (excluding vehicles) will be integrally bunded or will be equipped with a bund or drip tray which will be regularly inspected and emptied to prevent rainwater accumulating.	Inspection routine followed; log maintained on-site
		Contaminated Land	Any soils within work sites that appear to be contaminated by leaked oil and fuels including areas of oil leaks beneath equipment shall be removed and disposed of as hazardous materials. This is specifically applicable to the following substations as well as any others supporting existing land use other than agriculture and spills/leaks that occur during works:	There is no hazardous waste recorded till date
			220/33 KV (2x50 MVA) GIS Substation, Selaqui, Dehradun	

			132/33 KV, (2X40 MVA), GIS Substation, Araghar	
			132/33 KV (2x40 MVA) GIS Substation, Dhaulakhera, Nainital	
6	Biodiversity	Project footprint	Minimize removal of existing vegetation and topsoil to that which is necessary.	Only necessary vegetation and topsoil removed
			Implement careful construction practices to avoid damage to trees.	Protective fencing and manual operations near trees
			In preference to being cut, trees in ROW that can survive it will be pruned in preference to being cut, such that they might re-establish quicker following works.	Pruning done where survival is possible
			For second stringing felling trees in gullies and valleys is to be avoided.	Felling is being avoided
			Demarcation of all working areas and avoid encroachment outside the agreed corridor of impact.	Site boundaries are clearly marked
			Vehicle movements will be restricted to demarcated working areas (unless in the event of an emergency) to reduce unnecessary impacts to habitat.	Movement confined within site limits
			In wet conditions, minimize use of heavy machinery and consider temporary installation of removable steel plates to protect soil and its vegetation cover.	Light machinery or manual work preferred in wet soil
			For second stringing no works will be allowed outside of the RoW in forest areas/habitat. Unnecessary use of machinery to be avoided in the forest area/habitat to minimize disturbance to fauna, in forest area/habitat construction will be manual	Only manual work undertaken in sensitive areas

			Contractor will not allow any works to be undertaken from 1 hour before sunset to 1 hour after sunrise to avoid disturbance to the fauna in (i) forest areas/habitat, and (ii) rural areas outside of settlements within the ESZ or within 10km of a protected area for which an ESZ has not been notified.	Working hours adjusted to avoid disturbance
			No lighting is to be used within any forest area/habitat or within rural areas outside of settlements within the ESZ or within 10km of a protected area for which an ESZ has not been notified.	No lights used in ecologically sensitive zones
			Prior to excavation, area will be checked by ecologist for any signs of burrows etc. If determined to be occupied, only manual digging under the supervision of ecologist will be permitted.	Not applicable, only stringing work is executed in forest area and it shall be complied if necessary
			Excavated pits will be robustly fenced or covered to prevent fauna accidentally falling in, further an escape ramp will be provided to allow their escape - particularly in forest area/habitat.	Not applicable, only stringing work is executed in forest area it shall be complied if necessary.
			Keep written record, supported by photographs, of any animal casualties, including a cause of death if known?	No incidents to date; record-keeping is being done
			Strict prohibition on construction workers to enter forest area/habitat outside of their working hours. Strict prohibition on purchase, sale, and use of firewood, timber and NTFPs, hunting and poaching of fauna by workers.	Security and awareness compliance ensured
			Provide good standard of worker accommodation with heating and all meals to help discourage breaches of prohibition by the workers.	Regular monitoring and strict enforcement in place

			Strict prohibition of fuel wood or timber being cut by the construction workers. Contractor and construction workers will be prevented from the use of firewood for cooking their food and heating etc.	Meals and LPG heating provided to avoid forest resource use
			Contractor to provide alternative fuel source (e.g., kerosene/LPG, which will be stored in safe conditions) to communal kitchen and for heating of worker accommodation.	Being Complied, LPG is used in safely manner to cook food at accommodation area; firewood use banned
			Contractor to undertake regular, compulsory awareness raising activities for all workers related to prohibitions including toolbox talks and posting of information and warning signs at site offices, worker camps, and at all work sites in forest area/habitat, patrols by security guards employed by the Contractor, regular inspections of the worker camps, and disciplinary procedures for any contravention by the workers.	Being Complied and toolbox training is given to worker before starting of prior to works
			Fuel will be stored outside of and refueling will take place outside of forest area/habitat to minimize the risk of forest fire.	Refueling happens outside forest buffer zones
			Contractor to provide fire-fighting equipment at work site with compulsory basic fire training for all workers and training drills undertaken in preparation for forest fire. In case of forest fire, Contractor to act swiftly to minimize impacts on the environment and human life.	Mock Drills are conducted; kits placed at key areas
			Record all trees removed during construction, compensation paid, and replacements planted (including location, species, size, and economic value) and monitor their current health and survival status, for up to two years following plantation.	Records maintained and monitored

			Cut/trimmed trees and other vegetation trimmings will be removed off-site as soon as line is completed. Unless sold for reuse, to be disposed of to a suitably licensed waste management facility with all waste transfer records retained.	Waste cleared regularly and disposal records kept
			Temporarily store cut/trimmed trees and other vegetation trimmings away from the roadside. No blocking of accesses or roads with cut vegetation.	Being complied
			Any vegetation material not handed over to the landowner will be immediately removed from site for disposal by a licensed waste management contractor once cutting works are completed. No dumping of cut vegetation on agricultural fields.	Temporary storage only in safe zones
			Temporary works areas will be reinstated to original condition. Prompt re vegetation of disturbed areas on the completion of works with plant species native to Uttarakhand.	Replantation ongoing with local species
			Routine inspection of re-planted trees to ensure the correct numbers of trees are re-planted according to the compensation payments made to Forest Department.	Monitoring team tracks survival and health of planted trees
			Trees shall not be removed during the nesting season.	Tree work scheduled outside nesting season
			Land clearing activities at Landhora SS undertaken outside the nesting season to avoid impacts to birds (generally April to June, but to be confirmed by ecologist after field surveys).	This project has been dropped.
		Second stringing	No trees will be felled. If trees are to be selectively lopped following granting of permission by the Forest Department, they are to be identified, species and location confirmed, counted, marked, and lopped manually (i.e., with hand-held equipment) using appropriate forestry techniques to minimize impacts on adjacent vegetation.	No tree felling done; tree lopping only after Forest Dept. clearance and using manual tools

			Important tree species to retain will be marked separately and protected during the construction.	Retention trees marked with paint/tags and protected with barricades
		Pesticides	Use of herbicides or burning to clear vegetation is strictly prohibited.	No herbicides or open burning used at site; vegetation cleared manually
		Invasive Species	Removal and disposal of identified invasive plant species in an ecologically sound manner.	Invasive plants like Lantana cleared and disposed via licensed facility; no re-sprouting at site
		Nest Management	Before cutting/trimming trees ecologist to check for presence of nesting birds or roosting bats.	Pre-clearance bird/bat inspection done by ecologist before tree work
		Private Crops / Trees	Where the Project results in loss of loss of fruit-bearing trees that have economic value compensate in accordance with the entitlement matrix in the Project LARP; the contractor will pay any subsequent compensation for loss or damage to private trees due to the fault of the contractor's work.	Tree compensation done via approved process; no contractor-caused damages reported to date
			Schedule works to avoid or minimize crop disturbance where lines cross private land, such as undertaking works in between crops.	Construction timed between cropping cycles to avoid damage; no crop complaints received
7	Land Use	Damage to Property or cause detriment or inconvenience	Construction work will make effort to cause as little damage to property or cause detriment and inconvenience. If caused, PTCUL shall make full compensation.	Being complied. Efforts are being taken to avoid any property damage or inconvenience. No such cases reported so far.

			All unanticipated damage to existing public and private property shall be restored to pre-project condition and/or compensated at the cost of the contractor in line with the LARP entitlement matrix.	No unanticipated damages have been reported till date, it shall be complied in future, if necessary
			If any borewells, water pumps or water supply networks are damaged during works the contractor must provide the affected users with an adequate, alternative drinking water supply meeting national standards whilst immediately repairing the damage caused.	No such damages has been reported till date, it shall be complied in future, if necessary
		Damage to trees and crops	Route alignment to avoid or minimize tree cutting and crop disturbance where lines cross private land. For all trees which exist prior to placing of the overhead line, the person interested in the tree/crop shall be provided reasonable compensation.	Route planned to avoid crop/tree damage; pruning over cutting practiced
			EPC contractor will schedule works to avoid or minimize crop disturbance where lines cross private land, such as undertaking works in between crops.	Being complied. Scheduling is being done accordingly to avoid crop impact.
			The loss of trees and crops are to be compensated at the rate estimated by (i) Forest Department for timber trees, (ii) State Agriculture Extension Department for crops, and (iii) Horticulture Department for fruit/flower trees	Being complied. Compensation rates determined by respective departments are being followed.
		Avoidance of impacts to crops / agricultural land	Use existing access roads and tracks traversing uncultivated, fallow land (not natural habitat) as much as possible to avoid additional crop damage.	Being complied. Existing tracks are being utilized wherever feasible.
			Repair any temporary damage caused to agricultural fields after construction is completed.	Topsoil segregated and reinstated post-work

			Saving the top-soil and restoration of land will be done by the Contractor to previous use and farmers will be allowed to continue their cultivation post the construction.	Community access not restricted
			Allow men and women to have continued, safe access to common land for uses such as fuelwood and fodder and water resources	Being complied. Access is not restricted.
			Ensure continuous consultation with affected households and residents.	Being Complied and consultation is continuously reported
8	Waste Management	General impacts	Provide adequate facilities for handling and storage of construction materials to reduce the amount of waste that is caused by damage or exposure to the elements and a system for the collection/storage of wastes generated.	Being Complied, Construction materials such steel, cement, and sands aggregate etc are properly covered and store their yards at each site.
			Any plant or equipment that is rejected during the installation and commissioning due to damage or failure to immediately be removed from the site and returned to the supplier.	It shall be complied, if necessary, there is no such failure reported till date.
			Ensure that the waste hierarchy is followed including prevention, minimization, reuse and recycling -- maximum reuse and recycling of waste and timely removal of unusable waste according to national waste management regulations.	Being Complied, if necessary, such as waste of steel it is reuse if required any area
			Restrict use of plastics and polyethene and use recyclable/biodegradable materials during construction to the extent possible.	Being Complied, bio degradable materials is used for slab casting

			In locations where waste is dumped (existing site conditions) the contractor will clean the site and collect the waste for onward disposal before they commence their works.	No such waste has been found at each site before commencing of work, it shall be complied if required.
			Ensure sufficiently sized facilities are provided for the environmentally safe and sound collection, segregation and storage of waste (including from overnight accommodation) on-site, maximum reuse and recycling of waste by reputable, legitimate, licensed third parties and timely removal and safe transportation of unusable waste to a suitably licensed and engineered waste management facility with all waste transfer records retained. Keep copies of the waste management company's licenses on file. Document all volumes and types of wastes generated and removed off site (inert, solid, hazardous) using transfer	It shall be complied if required
			Leaving or disposing of construction wastes by burying them on-site or disposing of them at unlicensed waste management facilities is strictly prohibited.	Being complied. No on-site burying is allowed.
			Unsanitary open dumps are not to be used by the contractor or their third parties.	Being Complied and unsanitary open dump is strictly prohibited at site.
			Municipal waste collection systems must not be used as this is likely to mean that the waste is open dumped, arrangements should be made for direct disposal to a suitably licensed and engineered waste management facility with all waste transfer records retained.	Being complied. Licensed facility is used; records maintained.

			Burning of waste on-site is also strictly prohibited.	Being Complied, burning of construction waste is strictly prohibited.
			No construction material or waste to be poured or thrown into drains	Being Complied, the construction waste is in the dumping yard of each construction site, and no waste to be poured into drains.
			Provide regular training of staff in waste management issues.	Being Complied
		Recycling	All recyclable waste (plastic, metal, paper, etc.) will be sorted on source and sent for recycling where facilities for recycling of these materials exist.	Being Complied, recyclables waste is sorted and dumped into their respective places
		Domestic and Inert Waste	No domestic waste shall be left at work sites.	Being Complied
			Ensure that wastes are not haphazardly dumped within the work sites and adjacent areas	Being Complied
		Hazardous Waste	Use containers suitable for each type of waste.	Presently there is no hazardous waste at site
			Mark containers adequately specifying the waste types.	Presently there is no hazardous waste at site
			Do not mix various waste streams.	Presently there is no hazardous waste at site
			Remove waste at the completion of the work day and return it for storage at the appropriate Contractor facility before final	It shall be complied if

			disposal via a state licensed contractor for hazardous waste removal and keep agreements with hazardous waste management company's active.	required or necessary
		Excavation Waste	Any spoil material from trenches and substation foundations will be removed from the site and sent to an appropriate state licensed waste management facility.	There is no excavation waste occur at site, excavated soil is back fill after completion of foundation work
		Waste Tracking	Keep copies of waste manifests on site.	Being Complied
			Keep a record of waste on-site and waste removed.	Being Complied
9	Noise and Vibration	Elevated noise levels	Equipment and vehicles will be regularly maintained in accordance with the manufacturer's recommendations to help minimize noise emissions	Being complied. Maintenance logbooks are maintained and adhered to.
			Contractor to use suitably designed mufflers or sound reduction equipment on breakers/drills and ensure all leaks in the air line are sealed on them	Being complied. Mufflers and leak sealing ensured during equipment use.
			Work will be undertaken in daytime hours only - in accordance with IFC EHS definitions (7am - 10pm).	Being Complied, no night-time work is scheduled.
			Noisy construction activity at substations (especially earthworks) only between the hours of 8 am - 6 pm.	Earthwork operations are scheduled accordingly.
			For UG cables only daytime working is permitted unless in commercial zones with dense urban areas for reasons of road safety and avoiding traffic congestion it is otherwise agreed in writing with the municipal authorities and following consultation with all adjacent residents/occupants of buildings to avoid noise nuisance.	UG cable work is conducted in daytime only; no night shifts done.

			Noise generating construction-related activities will be avoided during evenings, school hours, exam periods, prayer times, religious or cultural events near the sensitive receptor	Work rescheduling is done if sensitive timings are identified.
			No works on Sundays, holidays or festival days.	Being complied. Work is not performed on restricted days.
			Sensitive receptors to be consulted with any other special days when they would wish noise levels to be minimized.	Being complied. Community feedback is collected before major works.
			Loud construction noise, breaking and drilling activities, must be limited to very short periods of activity adjacent to receptors to minimize disturbance.	Being Complied and strictly avoid any noise pollution on construction site
			Construction noise in the vicinity of houses must be limited to 55dB(A) as 1hour LAeq - if nighttime work is permitted it must be limited to 45dB(A) as 1hour LAeq	Noise monitored regularly. Activities near houses restricted to daytime. Night work avoided or mitigated with noise barriers.
			In silent zones it must be limited to 50dB(A) as 1hour LAeq - if nighttime work is permitted it must be limited to 40dB(A) as 1hour LAeq	High-noise activities are avoided in silent zones. No work scheduled at night in these areas. Noise barriers used as needed.
			In commercial zones it must be limited to 65dB(A) as 1hour LAeq - if nighttime work is permitted it must be limited to 55dB(A) as 1hourLAeq (if residential property is found in the commercial zone then the above limits apply for works in the vicinity of houses)	Monitored to ensure zone-specific compliance. If residential properties are found nearby, residential limits are followed.

			On the boundary of the substation construction noise will be limited to 1- hour LAeq 70 dB(A).	Being complied. Periodic noise measurements are taken and logged.
			If these noise levels are exceeded, or background levels >3dBA where already exceeded at the nearest monitored substation, the contractor will be required to implement additional noise mitigation measures such as adjusting his working methods or placing of temporary noise barriers to ensure the noise standard is met.	Being complied. Temporary noise barriers and method adjustments made if needed.
			No piling or blasting is to be undertaken for construction unless a piling/blasting management plan has been agreed. Any rock removal will be undertaken using pneumatic hammer (handheld or excavator mounted).	Being complied. No piling/blasting has been carried out to date.
			Use low noise generating equipment e.g., less than 55dBA sound pressure level at 1m.	Being complied. Equipment selected and used per noise rating requirements.
			The use of horns in areas where sensitive receptors are located (houses, schools, clinics, temples, etc.) will be prohibited.	Being Complied, and there is no presence of such sensitive receptors at construction sites.
			Residents within 500m of substations and ROW of OHL and within 50m of the ROW of UG cables will be forewarned of planned activities that are considered by the Project to be noisy (e.g., trench excavation / drilling).	Being complied. Advance notice is given through posters and verbal communication.
			If complaints are received from the local population regarding elevated noise levels, temporary noise screens shall be installed around the work site, shielding the identified receptors from the source of noise.	Being complied. No complaints received so far. Provision for noise screens is ready.

			Construction workers exposure to noise should not exceed the levels set out in the General EHS Guidelines on Occupational Health and Safety otherwise the hearing protection is to be provided e.g., 85 dB(A) during continuation of 8 working hours without wearing PPE	Being complied. PPE such as earplugs and earmuffs are provided and mandated.
		Vibration	Where rock is encountered, the excavations for tower footings shall preferably be drilled, but where blasting is to be resorted to as an economy measure, it shall be done with the utmost care to minimize the use of concrete for filling the blasted area.	Being complied. Drilling method used where required. No blasting conducted.
			No piling or blasting is to be undertaken for construction unless a piling/blasting management plan has been agreed.	Being complied. No piling/blasting has taken place. Compliance ensured if required in future.
10	Physical Cultural Heritage	Chance Finds	Implement the Chance find procedure, if required	Not Applicable
11	Utilities and Infrastructure	Outages, damage to utilities and private property	Contractor is responsible for ensuring H&S of everyone on construction site including visitors and sub-contractor workers regardless they have been formally or informally employed.	Being Complied, proper safety equipment provided to the visitors and workers and safety rules are strictly follows.
			All unanticipated damage to existing public utilities shall be restored immediately to pre-project condition and/or compensated at the cost of the contractor.	Being complied. No such incidents reported; provisions are in place.
			If existing structures (e.g., buildings) and roads, tracks, crops, or, canals, or drains are damaged by works, the Contractor will be required to rehabilitate them to at least	Damage is documented and restored as per pre-

			their condition prior to construction works to the satisfaction of the property owner having reference to pre-condition surveys.	condition surveys.
			Through a request via a Project high-level committee which will be established to coordinate the Project, Uttarakhand Public Works Department (PWD) must appoint a dedicated contractor for the PTCUL and UPCL resurfacing work in Dehradun to ensure timely reinstatement.	Being complied through project coordination mechanism.
			The high-level committee must also be requested to cooperate with PTCUL and UPCL to enable them to meet their environmental safeguard obligations including prompt reinstatement of damaged utilities etc.	Being complied through coordination with committee
			High-level committee coordination and agreements on the timely reinstatement of roads with the Public Works Department are required to ensure there is no more than a 15-day period after construction works are completed to complete final rehabilitation. PWD must also ensure that all public spaces are restored to their original condition within 15 days of works completion	Coordination in progress to meet the 15-day post-construction reinstatement deadline.
12	Occupational Health and Safety	General	For all construction works comply with Government of India rules and regulations for the protection of workers	Being complied. The relevant photographs are enclosed
			Strictly implement all the measures outlined in Appendix L and all the measures outlined below.	Being Complied
			Emergency contact number and details for medical, fire, etc. are to be displayed in all construction sites	Being Complied, Details of Emergency No, medical, and fire are displayed at site.
		Fatalities	In the event of any fatality occurring during the construction phase at any Project work site, provide UPCL with the details of the fatality within one day of the event occurring in a Fatality Report (for onward reporting to ADB within 48 hours).	No fatalities have occurred during the construction phase to date. Should any

				incident occur, a Fatality Report will be submitted to UPCL within one day, in compliance with the reporting obligations to ADB.
		Work sites	Contractor is responsible for ensuring H&S of everyone on construction site including visitors and sub-contractor workers regardless they have been formally or informally employed.	Being implemented. All personnel including subcontractors and visitors follow site H&S protocols.
			Ensure adequate health and safety supervision is always on site (if staff temporarily off sick or on short term leave of less than a fortnight contractor to provide a named alternate in advance; if safeguard staff are on longer term leave, are posted elsewhere, or resign, contractor to ensure replacement CV is submitted to UPCL in seven days of the contractor becoming aware with the staff joining the site within one month).	Being implemented. Alternate safety officers are nominated in advance and replacements provided as per requirement.
			Construction plant and equipment used will be modern and fitted with appropriate safety devices.	Being implemented. Only certified and safety-equipped equipment is used at site.
			Temporary safety fences shall be erected around each work site.	Being implemented. Safety fencing is installed at all active work fronts.
			Require workers to confirm they have seen and understood the requirements of the OHS plan before proceeding with the work.	Being Complied

			Warning signs will be displayed around work sites to warn workers and members of the local community of potential risks in Hindi and other languages of the workers found on site.	Implemented. Bilingual warning signage is placed at visible points.
			MSDS are to be readily available to any exposed workers and the first-aid personnel.	Implemented. MSDS sheets are kept at hazardous material storage and work areas.
			All crews shall have a competent person responsible for first aid.	Being Complied
			Only allow suitably trained and qualified workers to be allowed to work on electrical equipment and at height, these workers must have training record of attending suitable training course on electrical safety and working at height and have a recent medical checkup to confirm they are fit for work.	Being implemented. Training certificates and medical records are maintained and verified.
			Require other workers to observe the minimum approach distances for excavations, tools, vehicles, pruning, and other activities when working around power lines.	Being implemented. Safe distance guidelines are communicated and enforced.
			Provide personal protective equipment (PPEs) for workers in accordance with national OHS regulations OHS with additional PPE provided as needed for COVID-19 risks.	PPEs are issued to all workers and used on site. COVID-19 protective gear was supplied during the pandemic.
			Handwashing facilities with clean running water supply and soap as well as hand sanitizers and closed bins for disposal of hygiene-related wastes to be provided on-site during works. Display posters to promote handwashing and respiratory hygiene etc.	Being implemented. Sanitation stations and hygiene posters are present at site.
			Sanitation and welfare facilities (with separate facilities provided for men and	Being implemented.

		women) used by construction workers to be regularly cleaned and disinfected by the contractor.	Facilities are maintained and regularly cleaned
		Enforce disciplinary system (e.g., immediate removal from site) for non-compliance with PPE requirements.	Being implemented. Non-compliance results in disciplinary action
		Ensure proper grounding and deactivation of live power lines during construction/decommissioning work or before any work near the lines and this will be checked and certified by Health and Safety Officer in advance.	Being implemented. All such work is permitted only after certification from HSO.
		Require workers to observe IFC EHS Guideline on T&D requirements for working at height.	Being implemented. IFC guidelines are included in toolbox talks.
		Require workers to test the structural integrity of towers prior to proceeding with the work.	Being implemented. Structural checks are performed and documented.
		Use fall protection measures when working on poles, i.e., mobile elevated working platform, all workers are required to wear body harness.	Being implemented. Fall protection is mandatory for height work.
		During construction works ensure qualified first aider and trained fire marshal is always available on-site with an appropriately equipped first aid kit and appropriate fire extinguisher and other firefighting equipment immediately available for use.	Implemented. Qualified personnel and emergency kits are stationed at each site.
		Every crew shall have a first aid box at the worksite. First-Aid Box are compliant to Schedule-III of the BOCW Rules 1998.	Implemented. All crews carry compliant first aid kits.

			Arrange with nearest Health Center and/or Hospital for emergency cares of workers.	Implemented. Emergency linkage with local hospital is established.
			Provide workers with access to an existing functional toilet facility (toilets and hand washing area) or provide a self- contained portable toilet with hand washing facilities (open defecation and use of pit latrines to be prohibited) generated wastewater to be disposed of to wastewater treatment plant.	Implemented. Portable toilets are provided at work fronts; waste is managed through approved vendors.
			Toilet facilities to be provided with adequate supplies of hot and cold running water, soap, and hand drying device.	Being implemented. Toilets are equipped with required supplies.
			Sufficient toilet facilities should be provided for the number of workers, and there should be an indication of whether the toilet facility is “in use” or “vacant” if not segregated.	Being complied, and toilet is construction for defecation and urination at site, open defecation is strictly prohibited.
		EMF	Measure exposure levels to electromagnetic fields (EMF) and provide workers working in zones where EMF levels are above reference levels with personal EMF monitoring device to be attached onto their PPE.	It shall be complied, if required , there is no exposure of High Zone EMF at sites.
		Food and drink	Provide workers with access to clean eating area with supply of drinking water.	Implemented. Clean shaded eating area is provided.
			Adequate supplies of potable drinking water meeting national standards should be provided to workers.	Implemented. Drinking water is tested and made available.
		COVID-19	Ensure employees can take time off sick without being penalized, including any self-isolation for COVID-19 that is required.	Complied. Sick leave is allowed without penalty.

			Medical insurance to be provided for all workers with sick leave allowance to ensure symptomatic workers do not attend site due to no work-no pay policies.	Being Complied
		Forced and Child Labour	During construction, due diligence will be applied to selection of security providers, rules of engagement will be devised, and training provided to all personnel. Performance will be monitored and audited periodically.	Being Complied
		Labour and Accommodation Camps	No forced or child labor to be employed in construction with the minimum age for employment on construction site to be 18 given hazardous nature of works involved.	Complied. Minimum age verified for all workers.
			Verifiable proof of age documentation is maintained for every worker.	Complied. ID records maintained for all workers.
			Workers operate within the legal working hours and additional work hours are adequately compensated.	Being implemented. Work hours and overtime logged and compensated.
			All overtime hours are voluntary; coercion, threats or penalties not used to pressure the workers into overtime.	Being implemented. Overtime is voluntary.
			Wages being paid to workers confirms to the minimum wage rated specified under applicable laws.	Being implemented. Wage records available for verification.
			All wages including overtime are paid within legally defined time limits.	Complied. Wages are paid on schedule.
			Pay statements shows earned wages, regular and overtime pay, bonuses and all relevant deductions	Being Complied
			No unreasonable restraints on the workers freedom of movement.	Complied. Free movement ensured outside work hours.

			Terms of employment outlined at the time of recruitment do not differ from the terms offered during the course of employment.	Being Complied
13	Community Health and Safety	Grievances	Implement the Grievance Procedure to provide opportunity for residents to raise concerns, including those on sexual harassment.	It shall be complied, but there is no grievances recorded.
		Hazardous Work Sites	Robustly fence and sign immediate working area including stores/stockpiles with security presence to prevent public access during construction works.	Being Complied
			Do not allow children to play in or adjacent to the construction site	Children are not permitted on or near construction sites.
			Do not leave hazardous conditions (e.g., unlit open excavations without means of escape) overnight unless no access by public can be ensured.	Being Complied
			Prevent standing water as it may become a breeding habitat for mosquitoes etc.	Being Complied
			All Project infrastructure will be labeled / signposted in accordance with national regulations to inform the public of the specific safety risks of each item.	Project infrastructure is labeled and signposted as per national regulations to inform the public about potential hazards.
			All work sites will be appropriately signposted and isolated (through fencing or bunting) to prevent encroachment into these areas. Where there are open excavations then solid fencing barrier must be used.	All work areas are barricaded and signposted to prevent encroachment; solid fencing is used at open excavations.
		Guard Structures	For stringing scaffolds and safety nets will be used to protect pedestrians and vehicles (and the conductor itself) from potential injury/damage - this will be used wherever stringing crosses over roads and	Scaffolds, nets, and other protective measures are used where

			securing a road closure is not possible, presenting a possible risk to traffic, waterbodies, or is in settlement presenting a possible risk to local communities where access cannot be completely prevented, especially in the vicinity of schools. Guard structures may not be required for small roads. In such cases other safety measures such as barriers, flagmen, or other traffic control will be used.	stringing crosses roads or near communities, schools, and waterbodies. Alternative measures like barriers or flagmen are deployed where guard structures are not feasible on small roads.
		Outages	Provide 72 hours advance notice of any works (not including emergency works) to the local community.	Being Complied
		Record Keeping	Keep a specific record of any community accidents that occur during the construction phase. Report the numbers to PTCUL monthly.	Community accident logs are maintained. Reports are compiled monthly Progress report and submitted to PTCUL as required.
		Conflict with Security Personnel	The Project will implement the 'Voluntary Principles on Security and Human Rights'	The Voluntary Principles on Security and Human Rights are being followed. Security personnel have been vetted and trained; performance is periodically audited.
			During construction, due diligence will be applied to selection of security providers, rules of engagement will be devised, and training provided to all personnel. Performance will be monitored and audited periodically.	Being Complied

14	Traffic Management	Traffic and Pedestrian Safety	Implement agreed traffic management plan. Safe access to property and roads should be maintained and alternative routes and access provided where there are temporary diversions or blockages. Diversion works to be immediately dismantled on completion of works and the footpath and roads restored to their original condition.	Traffic Management Plan is implemented. Access to properties is maintained. Detours and access routes are established for blocked areas and dismantled after work completion.
			Transport equipment only during non-rush hours i.e., avoid the hours of 9am to 11 am and 4pm to 6 pm to minimize traffic congestion.	Heavy equipment and material transport are scheduled outside rush hours
			In dense urban areas or on busy roads installation works affecting footpaths and roads to avoid rush hours i.e., avoid the hours of 9am to 11 am and 4pm to 6 pm.	In urban or congested areas, footpath and road works are scheduled outside peak hours to avoid disruptions.
			Stockpiling of spoil and any new equipment (conductor reels, etc.) shall be away from properties and only in designated areas where no access or road use will be blocked.	Spoil and equipment are stockpiled in approved areas away from roads and public access points.
			Allow for adequate traffic flow around construction areas via diversions or temporary access road	Being Complied
			Provide adequate traffic signs, appropriate lighting, well- designed traffic safety signs, barriers, and flag persons for traffic control.	Adequate signage, lights, barriers, and trained flag persons are

				deployed for safe vehicle and pedestrian navigation.
			Ensure that safe access ways to public and private amenities (including schools) are maintained, safe alternative routes provided and clearly signed where there are temporary diversions or blockages.	Being Complied
			Safety guides should be provided where works are on footpaths or in locations of pedestrian crossings to help guide pedestrians, especially vulnerable persons, safely around the working area.	Safety guides are present at crossings and pedestrian routes to assist the public, especially vulnerable individuals.
			Traffic management will need to be done in consultation with the affected communities to ensure they are aware of likely disruption.	Community consultations are held in advance of works that might cause disruption.
			Implement traffic management controls during construction works with advance warning signs or flag persons to ensure health and safety of construction workers and road users.	Warning signs and flag persons are used to manage traffic around construction zones for worker and public safety.
			Construction traffic warning signs will be positioned at road crossings and other appropriate locations as determined by the Project, for example, along access routes before they are used by construction traffic.	Construction traffic signage is placed at strategic road crossings and access roads before use.

			Road safety and warning signs must be posted at 500m, 100m, and immediately in advance of the works at least two days prior to the works commencing to inform the public of the temporary blockage of one lane of the road.	Road safety signs are placed 500m, 100m, and just before the work site, two days prior to commencement.
			For congested and narrow roads flagmen should be utilized to warn road users of the situation. • For stringing scaffolds and safety nets will be used to protect pedestrians and vehicles (and the conductor itself) from potential injury/damage - this will be used wherever stringing crosses over roads and securing a road closure is not possible, presenting a possible risk to traffic, waterbodies, or is in settlement presenting a possible risk to local communities where access cannot be completely prevented, especially in the vicinity of schools.	Flagmen are deployed on congested roads.
			Where the execution of the works requires single-lane operation on/beside public road the contractor will provide and maintain all necessary barriers, warning signs and traffic control signals to the satisfaction of the local authority. Wherever traffic diversions, warning signs, traffic control signals, barriers and the like are required, the PISC prior to commencing the work, in that area.	Being Complied
			Upon completion of the works for which the temporary traffic arrangements or diversions have been made, the contractor shall remove all temporary installations and signs and reinstate all affected roads/sections and other structures or installations to the conditions that existed before the work started, as directed by the PISC.	After work completion, all temporary installations are removed, and affected roads and structures are restored to original condition.
			No more than a 15-day period after construction works are completed to complete final rehabilitation	All public spaces are restored to their original

			All public spaces are restored to their original condition within 15 days of works completion.	condition within the stipulated 15-day period.
15	Training	Pollution Prevention	Conduct bi-monthly training of workers on pollution prevent control including good housekeeping and how to clean up oil/fuel spills and dispose of contaminated sorbent material which would be treated as a hazardous waste	Being Complied. Workers instructed not to scatter waste or burn it on site; awareness reinforced regularly.
		OHS	Conduct weekly training on occupational health and safety for all construction workers including refreshers. To include training for subcontractors before commencement of works	Weekly OHS sessions conducted at each site; subcontractors trained before mobilization
		Emergency Response	Conduct monthly training of workers on emergency preparedness and response procedures in case of an occupational or community health and safety incident during construction works. To include training for subcontractors before commencement of works	Awareness sessions conducted for emergency scenarios at site (e.g., fire, injuries)
		Driver Training	Driver training, monthly, to include advice on behaviors to reduce the potential for disturbance, including use of horn, loud radios with windows open, switching engines off when not in use, strictly observing speed limits and not accelerating or braking aggressively.	Training provided on defensive driving, safety, and environmental behavior.
16	GRM	GRM Communication and Implementation	Disseminate GRM contact details and arrangements to the community through the distribution of pamphlets, prominently posted notices at work sites, community centers etc.	GRM committee formed; dissemination to be completed across all sites
			Ensure that throughout construction highly visible signage providing their and GRM Focal names and contact details are prominently displayed at all construction sites, storage areas, temporary worker camps, subproject site offices, road crossing points etc.	GRM committee constituted; signage installation underway

			Encourage affected persons to make use of the GRM yet clarify that this does not prevent them from pursuing legal action, if they feel that it is needed	GRM process explained, no grievances received so far
			Keep a record of all grievances received and their resolution and to report on them.	No grievances received to date; logbook maintained for future records, enclosed.

7.0 Environmental Monitoring Plan

Environmental monitoring is being implemented at all constructions sites under each package/lots in accordance with the Environmental Monitoring Plan (EMoP) outlined in the Initial Environmental Examination (IEE). The monitoring framework ensures that all required mitigation measures and environmental safeguards are effectively implemented during the pre-construction and construction phases of the project.

Monitoring activities are being carried out by contractors through third-party laboratories accredited by NABL/MoEFCC, with oversight by PTCUL. Parameters monitored include air and noise quality, surface and groundwater quality, soil contamination, electromagnetic fields (EMF), and drinking water potability. In addition to laboratory-based testing, on-site air monitoring systems have been installed to continuously track key air quality indicators.

Regular compliance monitoring is also being conducted by the PMC and PTCUL to verify the implementation of EMP measures. All results are documented and compared against applicable environmental standards and site-specific management plans. Any non-compliances are recorded, and corrective actions are incorporated into ongoing site management.

The monitoring program, detailed in following tables ensures alignment with national regulatory requirements, contract conditions, and ADB safeguard policies, while also serving as a feedback mechanism to improve EMP implementation at each site.

Environment Monitoring at Sub Station Sites during Pre and Construction Phase of the Project						
S. No	Particulars	Parameters	Frequency	No of Samples/Site	Total No. of Samples/SS	Responsibility
1	Air Quality	PM10, PM2.5, to be measured as 24 hrs. average over a fortnight along with meteorological data-temperature, humidity, wind speed, and wind direction.	Once during pre-construction as baseline after that half yearly till construction period of 2 years	2 samples (one sample at SS construction site & one at down wind direction)	10	Contractor through NABL/MOEFCC accredited Lab
2	Noise	LAeq 1hr day and night for representative 48hr period (ideally 24hr weekday + 24hr weekend and avoid holidays, festivities, strong wind, rain etc.)	Once during pre-construction as baseline after that half yearly till construction period	2 samples (one sample at SS construction site & one at down wind direction)	10	Contractor through NABL/MOEFCC accredited Lab
3	Surface Water Quality (Nearby surface waterbodies)	pH, EC, turbidity, color, TSS, DO, BOD ⁵ , COD, oil and grease, Total nitrogen, Total phosphorus Total coliform and fecal coliform bacteria	Once during pre-construction as baseline after that half yearly till construction period	1 sample	5	Contractor through NABL/MOEFCC accredited Lab
4	Groundwater Quality	IS 10500: 2012 (32 Parameters)	Once during pre-construction as baseline after that half yearly till construction period	1 sample	5	Contractor through NABL/MOEFCC accredited Lab
5	Drinking Water Source for potability	IS 10500: 2012 (32 Parameters)	Once during pre-construction as baseline after that half yearly till construction period	1 sample	5	Contractor through NABL/MOEFCC accredited Lab

6	Soil Quality	pH, TPH, heavy metals, PAHs, and any other contaminants indicated by contaminated land professional	Once during pre-construction as baseline after that half yearly till construction period	2 sample	10	Contractor through NABL/MOEFCC accredited Lab
7	EMF		once after construction	2 locations	2	Contractor through NABL/MOEFCC accredited Lab

General Environment Monitoring Plan (EMoP)

Project Activity or Environment Impacts/ Risks	Monitoring Parameters	Method of Monitoring including Standards/ Guidelines	Frequency and Timing	Location	Performance Indicator	Implementation	Supervision (PTCUL PIU)	Compliance Status
Pre- Construction								
Statutory Clearances	Licenses / Permits and Insurances	Review of all applicable licenses, permits and insurances before the start of construction	One time prior to the start of construction	N/A	All relevant permits, licenses and insurances outlined in the Project IEE are obtained.	EPC contract or to undertake monitoring and report to PTCUL in first monthly report.	Review all licenses, permits and insurances and document compliance in EMR	Complied Labour licenses, insurances, and permits obtained and enclosed in Annexure 1 and Annexure 2 For all the 5 sites

Staffing	Contractors environmental, social, health and safety staff	Review of staff contracts and timesheets	Prior to the start of construction then periodically throughout construction	N/A	All staff outlined in the IEE are in place at the start of construction and are on site for the allotted periods specified in the EMP	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Review contracts and timesheets and document compliance in EMR	Compl
Training / Inductions	Training records	Review of all induction training records, including training materials & attendance sheets.	One time prior to the start of construction. Then periodically through construction to ensure new staff have received induction training.	N/A	All staff on-site have received the required induction training.	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Review all training records and document compliance in EMR	Compl
Community Awareness	Pre-construction awareness documents	Review documents prepared for community awareness. Sample of residents to assess if they have received any awareness materials	One time prior to the start of construction	N/A	Awareness documents completed and distributed to sampled residents	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterl	Review awareness documents and document compliance in EMR	Compl

						y progr ess reports.		
Camps and Accommo dation	EBRD / IFC guidance on worker accommoda tion	Audit of camps and accommodati on	Prior to the start of constructio n then periodically throughout constructio n	All camps and accommodati on areas	Camps and accommodati on are compliant with EBRD / IFC guidance on worker accommodatio n	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Review of audit and docume nt complia nce in EMR	
OHS	OHS Risk Assessmen t and Accidents Reporting System	Review of risk assessment and accident reporting system	One time prior to the start of constructio n	N/A	Documents completed	EPC contract or to undertake monitoring and report to PTCUL in first monthly report.	Revie w assess ment and reporting system and docum ent compliance in EMR	Compl ied
Drinking water supplies	ISO 10500 drinking water parameters (full suite) & National Drinking water standards	Water sample is to be taken in a clean, non- contaminated , well- sealed container and tested within the next 48h by	One time for baseline establishm ent to ensure source of water suitable	Sources of drinking water for construction/ operation of project for which supplier is unable to provide copies of	ISO 10500 drinking water parameters	EPC contract or to undertake monitoring and report to PTCUL in monthly	Check monitoring being undertaken and docume nt complia nce in EMR	Compl ied

		accredited laboratory	as drinking water	drinking water tests to confirm compliance.		and quarterly progress reports.		
Construction								
Health and Safety - incidents	Records of health and safety incidents	Keep records of near miss, minor, lost time, and fatal health and safety incidents related to the project, compile records from construction sites. Carry out interviews with workers and the community to identify if any unrecorded incidents occurred. During the COVID-19 pandemic, temperature checks to be carried out at entrance of the work site at start of shift	Monthly	Construction sites, including temporary construction facilities	Zero lost time incidents or fatalities (among workers and community) For 100% lost time incidents or fatalities /confirmed COVID-19 cases immediate action taken to avoid repeat or escalation of situation. All incidents including minor and near miss dealt with in accordance with EMP with lessons learnt for future 100% lost time and fatalities/confirmed COVID-19 cases reported to PTCUL within 24 hours and ADB within 48 hours	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Check monitoring being undertaken and document compliance in EMR	Compl

Drinking water supplies	ISO 10500 drinking water parameters (full suite)	Water sample is to be taken in a clean, non-contaminated, well-sealed container and tested within the next 48h by accredited laboratory	Monthly	Sources of drinking water for construction of project for which supplier is unable to provide copies of drinking water tests to confirm compliance.	ISO 10500 drinking water parameters	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Check monitoring being undertaken and document compliance in EMR	Compl
Water resources	Water volume used and source	Keep records of all water used and source.	Ongoing	Construction sites, including temporary construction facilities	No grievance received during construction or operation regarding conflict with other water users	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Check monitoring being undertaken and document compliance in EMR	Compl
Soil (earthworks)	Volume of soil disturbed during construction	Keep records of earthworks involved, including total volume in m ³ of soil excavated and reused (any disposed of as spoil off site to licensed waste disposal	Monthly	Construction sites involving earthworks/cut and fill activities	Earthworks documented, and all excavated and cut and fill volumes accounted for, either reused on-site or disposed of off-site to licensed waste disposal facilities	EPC contract or to undertake monitoring and report to PTCUL in monthly and	Check monitoring being undertaken and document compliance in EMR	Compl

		facilities recorded as per waste generation				quarterly progress reports.		
Hazardous materials-incidents	Pollution incidents	Records of pollution incidents (e.g., type of material spilled, amount in kg or m ³ , and action taken to clean up) Carry out visual inspection and interviews with workers and the community to identify if any unrecorded incidents occurred	Monthly	Construction sites, including temporary construction facilities	Zero major incidents occurred. Minor incidents responded to in accordance with EMP with lessons learnt for future.	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Check monitoring being undertaken and document compliance in EMR	Compl
Natural Resource Use (Construction Materials) and Waste Generation	Volume of construction materials used, and waste generated, and disposal route	Keep records of all types of materials used and wastes produced by type, volume/ weight. Document waste disposal through transfer notes including type, volume/ weight, transport provider, intermediaries if any and	Monthly	Construction sites, including temporary construction facilities	Transfer of 100% of construction wastes documented, and all wastes disposed of in an environmentally safe and sound manner in accordance with IFC General EHS Guidelines	EPC contract or to undertake monitoring and report to PTCUL in monthly and quarterly progress reports.	Check monitoring being undertaken and document compliance in EMR	Compl

		final treatment or disposal facility (with its license and capacity)						
--	--	--	--	--	--	--	--	--

8.0 Construction Specific Environmental Management Plan

Construction-Specific Environmental Management Plans (CSEMP) have been prepared for all five substation projects under Lot 1 and Lot 2 of the PTCUL subproject, which forms part of the ADB-financed Uttarakhand Climate Resilient Power System Development Project. The CSEMP complies with the environmental safeguards outlined in the Contractor's contract conditions and the Initial Environmental Examination (IEE). It forms an integral part of the Contractor's commitment to environmentally sound construction practices and outlines the site-specific mitigation and monitoring measures to be implemented during the pre-construction and construction phases.

The CSEMP aims to ensure that the contractor and its workforce clearly understand and fulfil their environmental responsibilities during project implementation. It identifies key environmental and social risks at each site and provides context-specific strategies to effectively mitigate these impacts in line with safeguard requirements and contractual obligations. Developed as a practical, site-level tool, the CSEMP translates the broader findings of the IEE into actionable measures. It incorporates inputs received during stakeholder consultations and reflects guidance from relevant government agencies and project beneficiaries to ensure that strategies are technically sound and locally appropriate.

The CSEMP is aligned with the Environmental Management Plan (EMP) included in the IEE and integrates international best practices in engineering, environmental, health, and safety (EHS) management, as well as the contract conditions. It outlines key actions for impact mitigation during the construction phase and defines responsibilities for implementation, monitoring, and compliance.

To address EMP requirements and site-specific risks comprehensively, the following management sub-plans are included as part of the CSEMP:

1. Construction Method Statement
2. Pollution Prevention & Emergency Response Plan (including SF-6 Measures)
3. Occupational Health and Safety Plan & Emergency Response Plan
4. Community Health and Safety Plan
5. Biodiversity and Physical Cultural Resources Plan, including Chance Find Procedure
6. Waste Management Plan
7. Traffic Management Plan
8. Labour Management Plan
9. Communication Plan
10. Training Plan
11. Contaminated Land Management Plan (if necessary)
12. Asbestos Management Plan (if necessary)
13. Construction Camp/Labour Accommodation Plan

Status of CSEMP and Sub Plans for Lot 1 and Lot 2 Substation Subproject

S.No.	Plans	Availability status at sites
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		P1 (Lot1)	P1 (Lot2)	P1 (Lot2)	P1 (Lot2)	P1 (Lot2)
1	Construction Method Statement	Yes	Yes	Yes	Yes	Yes
2	Pollution Prevention & Emergency Response Plan (including SF-6 Measures)	Yes	Yes	Yes	Yes	Yes
3	Occupational Health and Safety Plan & Emergency Response Plan	Yes	Yes	Yes	Yes	Yes
4	Community Health and safety Plan	Yes	Yes	Yes	Yes	Yes
5	Biodiversity & PCR Including Chance Find Procedure	Yes	Yes	Yes	Yes	Yes
6	Waste Management Plan	Yes	Yes	Yes	Yes	Yes
7	Traffic Management Plan	Yes	Yes	Yes	Yes	Yes
8	Labour Management Plan	Yes	Yes	Yes	Yes	Yes
9	Communication Plan	Yes	Yes	Yes	Yes	Yes
10	Training Plan	Yes	Yes	Yes	Yes	Yes
11	Contaminated Land Management Plan (if necessary)	Yes	Yes	Yes	Yes	Yes
12	Asbestos Management Plan (if necessary)	Yes	Yes	Yes	Yes	Yes
13	Construction Camp/Labour accommodation Plan	Yes	Yes	Yes	Yes	Yes

9.0 Control of Records

The contractor will be responsible for maintaining and controlling all records related to environment, health, and safety. This includes monitoring data, compliance checklists, training records, and site-specific environmental documentation. Based on the IEE/EMP of the project and the contract conditions, a total of 38 records were initially identified. These records shall be kept on-site by the EPC Contractors ESO and available for inspection at any time. A list of such records is provided below in Table

S.No.	As Suggested In IEE Report	Remarks
1.	Definitive IEE and EMP (as disclosed on the ADB website)	Records are Being maintained
2.	Contractor's CSEMP and sub-plans and copies of approval records	
3.	Property surveys	
4.	Pre-construction biodiversity surveys	Records are Being maintained
5.	Legal register (of applicable national and state legislation)	
6.	Document review and approval records	
7.	Staff contracts and timesheets	
8.	Work program and schedule	
9.	Tree inventory	
10.	Tree felling permits	
11.	Copies of correspondence related to environmental issues	

12.	Environmental permits and licenses	
13.	List of equipment	
14.	Equipment control and maintenance log	
15.	Vehicle emission test certificates etc.	
16.	Contractor's certifications and insurances	
17.	Completed site checklists and photographic records	
18.	Community liaison plan, community awareness documentation and records of all consultations undertaken	
19.	GRM register	
20.	Training plan and training records (including inductions)	
21.	OHS Risk Assessment	
22.	Corrective and preventive action request records	
23.	Records of emergency preparedness and response drills	
24.	Contractor's and operational accident record and incident reports	
25.	Corrective action instructions	
26.	List of mitigation measures	
27.	Records of maintenance and cleaning schedules for sediment and oil/grease traps	
28.	Route/program of construction material transportation	
29.	Log of material inventories and consumption	
30.	Records of quantity of discharged wastewater and concentration of pollutants	
31.	Records of sewage disposal (if relevant)	
32.	Waste disposal records	
33.	Written designation of waste disposal sites and instructions for waste transportation from local authorities	
34.	Chance find records (if any)	
35.	Campsite / Accommodation Audits	
36.	Water Quality sampling results	
37.	Air Quality and Noise test results	
38.	EMF measurement results	

10. Environmental Supervision and Monitoring Results

10.1 Environmental Supervision

Environmental supervision and monitoring activities are being undertaken in accordance with the requirements outlined in the Initial Environmental Examination (IEE) and Environmental Management Plan (EMP). Contractor-Specific Environmental Management Plans (CSEMPs) have been prepared and are under implementation at all five substation sites under Lot 1 and Lot 2. From January to June 2025, the PTCUL teams have conducted periodic site visits to monitor EMP compliance and provide guidance. During these visits, instructions were issued to address identified EMP implementation gaps. To ensure effective on-ground execution of EMP and occupational health and safety provisions, each contractor has appointed an Environmental and Social Officer (ESO) and a Health and Safety Specialist (HSS) at their respective sites. The Environmental and Social Officers (ESO) and Health and Safety Specialists (HSS) have already been appointed or assigned responsibilities at all active construction sites. These personnel are actively conducting

health and safety training, including sessions on emergency preparedness and regular mock drills. Toolbox Talks (TBT) are being conducted on a routine basis to raise awareness among site workers about key environmental, health, and safety issues. All training activities, drills, and TBT sessions are being properly recorded and maintained by the contractor as part of ongoing compliance with the CSEMP and EMP requirements.

10.2 Quantitative Environmental Monitoring

Environmental monitoring activities are being carried out in accordance with the Environmental Monitoring Plan (EMoP), using services from a NABL-accredited laboratory. As part of compliance, periodic monitoring of ambient air quality, water quality (ground and surface), and noise levels is being conducted. The monitored parameters include PM₁₀, PM_{2.5}, SO₂, NO₂ for air, a wide range of physico-chemical and heavy metal parameters for ground and surface water; and day/night levels for noise. A summary of analytical parameters and compliance status is enclosed in Annexure-. As the awarded projects are currently in the construction stage, monitoring results have been reviewed and documented to ensure adherence to environmental guidelines.

In addition to lab-based sampling, the contractor has deployed on-site continuous monitoring systems to track PM₁₀, PM_{2.5}, ambient noise, and weather-related parameters such as temperature, humidity, and wind speed. These continuous monitoring systems support real-time assessment of environmental conditions at the project sites. The monitoring data helps ensure timely corrective actions where needed and supports transparency in compliance reporting. Results of continuous environmental monitoring for the month of June 2025 are provided in following paragraphs:

Results of Continuous Environmental Monitoring at Substation Site:

In addition to third party NABL lab monitoring to fulfil EMP requirements Environmental data were collected at five project sites Araghar, Dhaulakhera, Khatima, Lohaghat, and Selaqui using on-site continuous monitoring equipment. The monitoring focused on three key environmental parameters: PM_{2.5}, PM₁₀, and Noise Levels, and the results have been interpreted against the Central Pollution Control Board (CPCB) ambient air and noise quality standards.

1. Araghar substation Site

Environmental monitoring data for the Araghar substation construction site for the month of June was collected using continuous on-site monitoring equipment and compared with the CPCB ambient air and noise quality standards. The recorded PM_{2.5} levels showed a maximum value of 66 µg/m³, with an average of 24.65 µg/m³, resulting in only 2.10% of the data exceeding the standard limit of 60 µg/m³. Similarly, PM₁₀ concentrations peaked at 110 µg/m³, with an average value of 61.42 µg/m³, also showing a 2.10% exceedance rate over the 100 µg/m³ standard.

For noise monitoring, the maximum recorded level was 62 dB, with 5.26% of the daytime (6 AM-10 PM) readings exceeding the 55 dB CPCB standard for residential areas. However, no exceedances were observed during nighttime standard of 45 dB (10 PM-6 AM), indicating that construction activities are being effectively managed to minimize disturbances during sensitive hours. These findings suggest that overall environmental conditions at the Araghar substation site remain within permissible limits, with minor exceedances attributable to temporary factors such as vehicle movement or weather. Preventive measures like water sprinkling and scheduling of noisy work during day hours are being implemented to mitigate impacts.

2. Dhaulakhera Substation Site

At the Dhaulakhera substation construction site, environmental monitoring for June 2025 showed controlled and largely compliant conditions. The PM_{2.5} levels peaked at 66 µg/m³, with an average of 27.11 µg/m³, and recorded a 2.02% exceedance compared to the CPCB standard of 60 µg/m³. Similarly, PM₁₀ concentrations reached a maximum of 111 µg/m³, averaging 62.11 µg/m³, and exceeded the standard of 100 µg/m³ by 2.02%. The maximum noise level recorded was 63 dB, with a 3.38% exceedance during the daytime limit of 55 dB, while no exceedance occurred during night-time hours, which follow a CPCB threshold of 45 dB. These minor variations are within acceptable limits and likely due to intermittent vehicular movement and localized weather patterns. Mitigation such as dust suppression and restricted working hours are being enforced.

3. Khatima Substation Site

Monitoring at the Khatima site reflected slightly elevated air quality parameters due to ongoing construction activity. PM_{2.5} levels showed a maximum of 66 µg/m³, with an average of 28.90 µg/m³, resulting in 2.14% exceedance of the 60 µg/m³ standard. PM₁₀ reached a maximum of 115 µg/m³, averaging 67.82 µg/m³, with the same 2.14% exceedance rate above the 100 µg/m³ standard. Noise levels at this site peaked at 62 dB, and 3.73% of daytime readings crossed the CPCB limit of 55 dB. However, night-time noise readings remained fully compliant. These exceedances are minor and managed through measures such as water sprinkling and scheduling of heavy equipment operations during the day only.

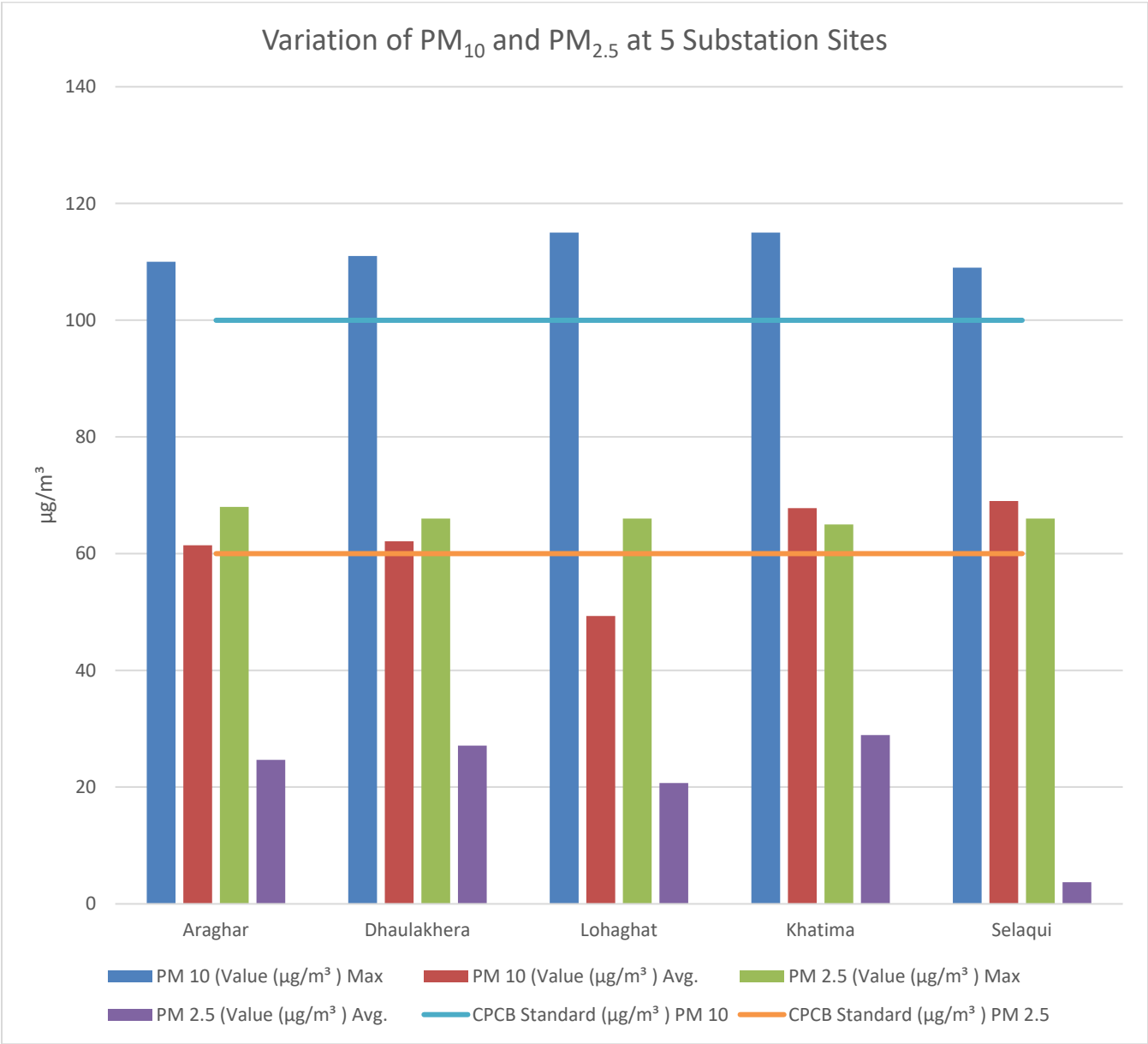
4. Lohaghat Substation Site

The Lohaghat substation site exhibited the best air quality among all monitored locations. PM_{2.5} levels were well within limits on average, with a peak of 66 µg/m³ and an average of 20.70 µg/m³, resulting in a 2.08% exceedance against the 60 µg/m³ CPCB standard. PM₁₀ values averaged 49.38 µg/m³, with a maximum of 115 µg/m³, including 2.1% exceedance over the 100 µg/m³ limit. Noise levels peaked at 62 dB, with only 1.35% daytime exceedance, while night-time levels remained within the permissible 45 dB standard. Overall, the site shows a low-impact footprint, with minor fluctuations likely caused by brief equipment operation or nearby traffic.

5. Selaqui Substation Site

At the Selaqui site, particulate matter readings were slightly higher compared to other locations. PM_{2.5} reached a maximum of 66 µg/m³, with an average of 30.68 µg/m³, and recorded a 2.11% exceedance of the 60 µg/m³ CPCB limit. PM₁₀ values showed a maximum of 109 µg/m³ and average of 69.09 µg/m³, with 2.11% of the data exceeding the 100 µg/m³ standard. Noise monitoring showed a maximum of 62 dB, with 3.59% exceedance during daytime hours, while night-time levels were fully compliant. The elevated readings are likely due to windy condition, civil works and occasional vehicular activity; however, dust and noise control measures such as routine sprinkling and work-hour regulation are actively in place.

Variation in particulate matter concentrations and noise levels is depicted in the figure 1.





Summary of Observations:

- PM2.5: After the requested modification, all sites show limited exceedance of PM2.5, consistently around 2% (ranging from 2.02% to 2.14%). while the average values remain well within the standard.
- PM10: Similarly, PM10 exceedance is also around 2% across all sites, while the average values remain well within the standard.
- Noise: Night-time noise levels at all sites show 0% exceedance against the 45 dB standard. However, day-time noise levels (6 AM to 10 PM) still exhibit minor exceedances, ranging from 1.35% to 5.26%, with maximum values reaching up to 63 dB. This suggests that while night-time noise is well-controlled, some day-time periods may still experience noise levels slightly above the permissible limits.

Occasionally exceedance value beyond the standards air quality (PM2.5, PM10) and noise data can be attributed to several factors:

- Outside Weather Conditions: Factors like wind speed and direction can disperse or concentrate pollutants. Stagnant air conditions can lead to accumulation, while strong winds might pick up and transport particulate matter.
- Vehicular Movement Nearby: Sites located near roads or industrial areas will naturally experience higher levels of vehicular emissions (PM2.5, PM10) and noise.
- Industrial Activities: Proximity to construction sites or factories can also contribute to both particulate matter and noise pollution.

Mitigation Measures taken at Site: various precautionary and mitigation measures are regularly implemented at the site to avoid increase of air pollutants and noise levels:

- Water Sprinkling: Regularly sprinkling water on unpaved roads and construction sites can significantly suppress dust (PM10, PM2.5) emissions.
- Regular Cleaning: Keeping roads and open areas clean reduces the re-suspension of dust.
- Enclosures for Noisy Equipment: Using acoustic enclosures or barriers around noisy machinery can help contain sound propagation.
- Timely Maintenance of Equipment: Ensuring that vehicles and machinery are well-maintained can reduce emissions and operational noise.
- Traffic Management: Implementing measures to manage traffic flow and reduce congestion around the site can help reduce vehicular pollution.

No public grievances received related to pollution and noise level exceedance.

10.3 Pollution Control Monitoring

All the projects awarded under different packages and lots are currently in the initial design and mobilization phase. Construction activities have already commenced under all packages. During this phase, monitoring of various construction-related activities is being carried out effectively in accordance with the Environmental Monitoring Plan (EMoP) of the project. Any instances of non-compliance or potential exceedances are being addressed through corrective actions with defined timelines and allocated budgets to ensure environmental safeguards are upheld.

Pollution control trainings, emergency drills, and routine inspections are being conducted at regular intervals during project execution, and all such activities are being documented in the required formats. In the event of the use of any materials or generation of solid waste, hazardous waste, or wastewater, proper handling, disposal, and reporting procedures are being followed as per the EMP. Compliance with environmental requirements is being ensured through continuous monitoring and active engagement of the contractor's environment and safety teams.

11. Occupational and Community Health and Safety Monitoring

All the projects awarded under different contract packages and lots are currently in the initial design and mobilization phase. Construction activities have commenced under all packages and work is progressing at the respective sites. During the construction phase, environmental monitoring activities are being effectively implemented in accordance with the Environmental Monitoring Plan (EMoP) of the project. Any non-compliance or exceedance observed will be addressed through timely corrective actions, with specific timelines and budgetary provisions to ensure adherence to environmental standards.

Pollution control measures, including regular trainings, emergency drills, and site inspections, are being conducted as part of the project's environmental management strategy. These activities are being documented and reported in the prescribed formats. If any materials are used that may generate solid or hazardous waste or wastewater during construction, appropriate handling, storage, and disposal procedures will be followed as per the EMP. Continuous oversight and proactive measures are being taken to ensure that environmental safeguards are fully integrated into project execution.

12. Grievance Redress

The GRC has been formed. The office order of PTCUL is enclosed herewith as Annexure-1 All the projects awarded under different packages and lots are in initial design phase. Construction activity has been started at Package 1 (Lot 1 & Lot 2), and there is no grievance record of construction site. if there are any grievances or complaint, regardless informal or minor or previously reported complaint with ongoing rectification, the same shall be reported with details corrective action taken in the desired format. Detailed grievance records and response reports f any) is also maintained. No grievances have been received in the reporting period i.e. January 2025 to June 2025.

13. Public Consultation

Public Consultations are conducted at all the sites in regular interval the public consultation forms and the photographs are enclosed.

14. Conclusions and Recommendations

In order to ensure multi-tier development within the projects, top priority has been given to the effective implementation of the EMP and CSEMP. Compliance with national environmental regulations and the environmental covenants under the ADB loan agreement has been emphasized throughout project planning and execution. The Environment Cell has been regularly monitoring the implementation of environmental safeguard measures undertaken by the contractor. A Grievance Redressal Committee has also been constituted with adequate representation from local communities residing near the project sites.

Construction activities have commenced under all Package and no significant negative environmental impacts have been observed at the construction sites to date. As the projects are confined to specific locations, the environmental impacts have remained limited and manageable. All mitigation measures during construction have been implemented in line with the ADB Environmental Safeguard Policy (2009) and other applicable guidelines. Environmental monitoring for ambient air, water quality, and noise levels has been initiated with the support of a NABL-accredited external laboratory, following the monitoring schedule outlined in the EMoP. In addition, the Environmental and Social Officers (ESOs) and Health and Safety Specialists (HSSs) appointed by the contractors are now being trained and provided with capacity building support through regular site visits and on-site instructions conducted by the PTCUL team.

15. Annexures

Annexure 1:- Project GRM

	पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि० (उत्तराखण्ड सरकार का उपक्रम) प्रबन्ध निदेशक कार्यालय विद्युत भवन, नजदीक-आई०एस०बी०टी० क्रॉसिंग, सहारनपुर रोड, माजरा, देहरादून-248002 दूरभाष नं० 0135-2642006 फैक्स नं० 0135&2643460 email:- md.ptcul@rediffmail.com
Letter no	MD/PTCUL/
	Date

Office Memorandum

PTCUL being the implementation utility of the project titles as "Uttarakhand Climate Resilient Power System Development Project Loan no 4402" funded by Asian development Bank has to comply with grievance redress mechanism (GRM) as mentioned in resettlement plan and Initial Environment Examination.

As per clause no V(E) of RP plan, which state that "A 4-tier grievance redress mechanism shall be established to address concerns and grievances of affected persons and workers involved in this Project. Considering that the three (3) implementing agencies will implement different project sub-components and will likely receive complaints that may differ in nature and complexity, the Project will have GRM established separately at each implementing agency for their respective components. It will however, follow the same four tier structure with (i) Tier-1 at EPC Contractor/Division level; (ii) Tier-2 at PIU level; (iii) Tier-3 at PMU level (supported by PISC); and (iv) Tier-4 at the Energy Department of the Government of Uttarakhand (the executing agency) at the highest level."

In compliance to above Division level Tier1(GRC-1) and PIU (PTCUL) level Tier2(GRC-2) committee comprising of following officers are hereby constituted: -

Package-1/Lot -1	Tier 1 (GRC -1) Division level Committee members	Tier 2(GRC - 2) PIU level Committee members
Lot-1-220/33 kV GIS S/S Selaqui and associated Line	1. Er.Vikalp Gautam Superintending Engineer (PI) Dehradun	1. Er.H.S. Hyanki Chief Engineer, (Project) ADB Haldwani
	2. Er.Deepak Kumar Executive Engineer (PI) Dehradun/Vikasnagar	2. Er.Vikalp Gautam Superintending Engineer (PI) Dehradun
	3. Er.Tikam Singh Chauhan Assistant Engineer (PI) Vikasnagar	3. Er.Deepak Kumar Executive Engineer (PI) Dehradun/Vikasnagar
	4. Project Manager authorized by EPC contractor	4. Representative from land revenue agricultural & Horticultural Department (Nominated by District Administration)
	5. Safe Guard Specialist from PISC	5. Elected representative of each Panchayat/Nagar Nigam including women Members (if woman member is available & in case elected member is woman) -(To be consulted during project implementation)

मुद्रांकन एवं प्रसिद्धि कार्यालय- विद्युत भवन, नजदीक-आई०एस०बी०टी० क्रॉसिंग, सहारनपुर रोड, माजरा, देहरादून - 248002
 दूरभाष नं० 0135-2642006 फैक्स नं० 0135-2643460 ईमेल:- md.ptcul@rediffmail.com

Package-2/Lot -2	Tier 1 (GRC-1) Division level Committee members	Tier 2(GRC-2) PIU level Committee members
132/33 kV GIS S/s Araghar 132 kv GIS S/s Dhaulakheda 132/33 kv S/s Khatima-II 132/33 kV S/s Lohaghat & Associated Line	1. Er. L.M. Bisht Superintending Engineer (PI) ADB Haldwani	1. Er. H.S. Hyanki Chief Engineer, (Project) ADB Haldwani
	2. Er. Deepak Kumar Executive Engineer(PI) Dehradun/Vikasnagar +Er. Sandeep Kaushik Executive Engineer (PI) Kashipur	2. Er.L.M. Bisht Superintending Engineer (PI) ADB Haldwani
	3. Er.Tikam Singh Chauhan Assistant Engineer(PI) Vikasnagar Er. Himanshu Vijay Singh Assistant Engineer (PI) Haldwani Er. Manoj Joshi Assistant Engineer Lohaghat	3. Er. Deepak Kumar Executive Engineer Dehradun/Vikasnagar (PI) Er. Sandeep Kaushik Executive Engineer (PI) Kashipur
	4. Project Manager authorized by EPC contractor	4. Representative from land revenue agricultural & Horticultural Department (Nominated by District Administration)
	5. Safe Guard Specialist from PISC	5. Elected representative of each Panchayat/Nagar Nigam including women members (if woman member is available & in case elected member is woman) (To be consulted during project implementation))
Package-3	Tier 1 (GRC -1) Division level Committee members	Tier 2(GRC - 2) PIU level Committee members
220/132/33 kv AIS S/s Manglore & Associated line	1. Er.A.K. Singh Superintending Engineer (PI) Roorkee	1. Er.H.S. Hyanki Chief Engineer, (Project) ADB Haldwani
	2. Er.Rakesh Kumar Executive Engineer PI Manglore	2. Er.A.K. Singh Superintending Engineer (PI) Roorkee
	3. Er. Anil Pal Assistant Engineer (PI) Padartha	3. Er.Rakesh Kumar Executive Engineer (PI) Manglore
	4. Project Manager authorized by EPC contractor	4. Representative from land revenue agricultural & Horticultural Department (Nominated by District Administration)

	5. Safe Guard Specialist from PISC	5. Elected representative of each Panchayat/Nagar Nigam including women members (if woman member is available & in case elected member is woman ((To be consulted during project implementation)))
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The above committee shall dispose all the grievances as per Grievance Redress Mechanism (GRM) mentioned in Initial Environment Examination (IEE) and Resettlement plan (RP) of PTCUL including compliance of other directions issued by ADB or other authorities concerned from time to time.

(P.C. Dhyani)
Managing Director &
Additional Project Director

Letter no 2014/MD/PTCUL/MD(om)

Date 06/07/2024

Copy forwarded to following

1. Secretary energy /Project director, GOU Dehradun
2. District Magistrate -Dehradun/Nainital/Udhamsingh Nagar/Champawat
3. Mr. James Kolathanraj ,Senior Energy Specialist,Asian development Bank ,Sector Group,Phillipnes
4. Director (HR/Finance/Operations) PTCUL Vidhyut Bhawan Dehradun
5. M/s Flowmore Ltd plot no 2068/69 karol Bhagh 38 New Delhi
6. Transglobal Power Limited,1321/A, 15th cross, Girinagar, 2nd stage Bangalore
7. Official concerned.

(P.C. Dhyani)
Managing Director &
Additional Project Director



पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि०

(उत्तराखण्ड सरकार का उपक्रम)

प्रबन्ध निदेशक कार्यालय

विद्युत भवन, नजदीक-आईएसबीटी रोड, क्राशिंग, राहानपुर रोड, माजरा, देहरादून-248002

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Letter no 1546 /MD/PTCUL/MD (OM)

Date: 22/04/2025

Office Memorandum

PTCUL being the implementation utility of Uttarakhand Climate Resilient Power System Development Project under Loan no 4402 funded by Asian Development Bank has to comply with Grievance Redressal Mechanism (GRM) as mentioned in Resettlement Plan and Initial Environment Examination.

In compliance of clause no V of RP plan, which state that "A 4-tier grievance redress mechanism shall be established to address concerns and grievances of affected persons and workers involved in this Project. Considering that the three (3) implementing agencies will implement different project sub-components and will likely receive complaints that may differ in nature and complexity, the Project will have GRM established separately at each implementing agency for their respective components. It will however, follow the same four tier structure with (i) Tier-1 at EPC Contractor/Division level; (ii) Tier-2 at PIU level; (iii) Tier-3 at PMU level (supported by PISC); and (iv) Tier-4 at the Energy Department of the Government of Uttarakhand (the executing agency) at the highest level."

Tier-3 (PMU) level Grievance Redressal Committee (GRC-3) comprising of following officers/members are hereby constituted as follows:-

Sr. No	Name of Work	Tier 3(GRC-3) PMU level Committee members
1.	220/33 kV GIS S/s, Selaqui and associated lines.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social Worker) Ramnagar, Nainital Former Vice President Uttarakhand State Commission for Women
		4. Er. Kamal Kant, Chief Engineer (Projects), Garhwal Zone as a Member Invitee.

Pasam

प्रबन्ध निदेशक कार्यालय- विद्युत भवन, नजदीक-आईएसबीटी रोड, क्राशिंग, राहानपुर रोड, माजरा, देहरादून - 248002

दूरभाष नं० 0135-2642000 फैक्स नं० 0135-2643460 वेबसाइट www.ptcul.org

2.	220/132/33 kV AIS S/s Manglore & associated lines.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social worker) Ramnagar, Nainital Former Vice President Uttarakhand state Commission for Women
		4. Er. Kamal Kant, Chief Engineer (Projects), Garhwal Zone as a Member Invitee.
3	132/33 kV GIS S/s Araghar & associated Lines.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social worker) Ramnagar, Nainital Former Vice President Uttarakhand state Commission for Women
		4. Er. Kamal Kant, Chief Engineer (Projects), Garhwal Zone as a Member Invitee.
4	132/33 kV GIS S/s Dhaulakheda & associated Lines.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social worker) Ramnagar, Nainital Former Vice President Uttarakhand state Commission for Women
		4. Er. H.S. Hyanki, Chief Engineer (Projects), Kumaon zone as a Member Invitee.
5	132/33 kV S/s Khatima-II & associated Lines.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social worker) Ramnagar, Nainital Former Vice President Uttarakhand state Commission for Women
		4. Er. H.S. Hyanki, Chief Engineer (Projects), Kumaon Zone as a Member Invitee.

6	132/33 kV GIS S/s Lohaghat & associated line.	1. ADB Project Director & Principal Secretary, Energy, GoU
		2. Managing Director, PTCUL
		3. Smt. Amita Lohani, (A reputed Social worker) Ramnagar, Nainital Former Vice President Uttarakhand state Commission for Women,
		4. Er. H.S. Hyanki, Chief Engineer (Projects), Kumaon Zone as a Member Invitee.

The above committee shall resolve or dispose off all the grievances refer to Tier-3 (GRC-3) as per Grievance Redressal Mechanism (GRM) mentioned in Initial Environment Examination (IEE) and Resettlement Plan (RP) applicable for ADB funded project in the PTCUL.

(P.C. Dhyani)
Managing Director &
Additional Project Director

Letter no 546/MD/PTCUL/MD(OM)

Date 23/04/2025

Copy forwarded to following

1. Principal Secretary (Energy) /Project Director, GoU Dehradun.
2. Mr. James Kolathanraj, Senior Energy Specialist, Asian Development Bank, Sector Group, Phillipnes.
3. Director (HR/Finance/Operations/Projects), PTCUL, Vidhyut Bhawan, Dehradun.
4. Smt. Amita Lohani, Near Bus Station, Ramnagar Nainital (Former Vice President, Uttarakhand State Commission for Women)
5. Chief Engineer (Project), Garhwal Zone, Pipalkoti.
6. Chief Engineer (Project- ADB), Kumaon Zone, Haldwani.

(P.C. Dhyani) 23/04/25
Managing Director &
Additional Project Director

**Annexure 2 :- Labour License
Selaqui:- 2.1**

Form VI
[See Rule 25(1)]


Government of Uttarakhand
OFFICE OF THE LICENSING OFFICER

LICENCE

License No:- **UKCLALDDN001793** License Date :- **25/09/2024** Fee Paid Rs:- **150.00**

License is hereby granted to **M/s Flowmore Limited JV With M/s Jiagxu Jingdan EI** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970, subject to the conditions specified in Annexure. This license is for doing the work of **(Construction Of 220/33kv (2x50MVA) GIS 5/s Selaqui Dehradun)** in the establishment of **POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD** at **VIDYUT BHAWAN, NEAR ISBT CROSSING , MAJRA DEHRADUN.**
The license shall remain in force till **02/07/2025**.

Signature and Seal of the Licensing Officer

RENEWAL
[See Rule 29]

Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licencing Authority
03/07/2024		02/07/2025	

Employment of children under eighteen years is prohibited by the Law

Araghar 2.2

Form VI [See Rule 25(1)]  Government of Uttarakhand OFFICE OF THE LICENSING OFFICER LICENCE			
License No:-	UKCLALDDN001792	License Date :-	25/09/2024
		Fee Paid Rs:-	150.00
License is hereby granted to M/s Flowmore Limited JV With M/s Jagsu Jindan EI under Section 12(1) of the Contract Labour (Regulation and Abolition) Act.1970, subject to the conditions specified in Annexure. This license is for doing the work of (Constructi on Of 132/33kv (2x40MVA) GIS Substation, Araghar Dehradun) in the establishment of POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD at Vidyut Bhawan Near ISBT Crossing MajraDehradun. The license shall remain in force till 18/07/2025.			
Signature and Seal of the Licensing Officer			
RENEWAL (See Rule 29)			
Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licensing Authority
18/07/2024		18/07/2025	
Employment of children under eighteen years is prohibited by the Law			

2.3 Dhaulakhera

Form VI
[See Rule 25(1)]


Government of Uttarakhand
OFFICE OF THE LICENSING OFFICER
LICENCE

License No - **UKCLANTL001355** License Date :- **27/09/2024** Fee Paid Rs - **150.00**

License is hereby granted to **M/s Flowmore Limited JV With M/s Jiagsu Jingdan EI** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act 1970, subject to the conditions specified in Annexure.

This license is for doing the work of (Construction Of 132/33kv (2x40MVA) GIS SUBSTATION DHAULAKHERA, NAINITAL) in the establishment of **Power Transmission Corporation Of Uttarkhand** at **Vidyut Bhawan Near ISBT Crossing Majra Dehradun**.

The license shall remain in force till **18/07/2025**.

Signature and Seal of the Licensing Officer

RENEWAL
[See Rule 29]

Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licencing Authority
19/07/2024		18/07/2025	

Employment of children under eighteen years is prohibited by the Law

2.4 Khatima-II

9/23/24, 11:02 AM uklabouracts.in/Report/CertificateLicense/firm_CLALicenceCertificate.aspx?Param2=UKCLALUSN001814

Form VI
[See Rule 25(1)]



Government of Uttarakhand
OFFICE OF THE LICENSING OFFICER
LICENCE

License No:- UKCLALUSN001814 License Date :- 22/09/2024 Fee Paid Rs:- 150.00

License is hereby granted to M/s Flowmore Limited JV With M/s Jiagnu Jingdan El under Section 12(1) of the Contract Labour (Regulation and Abolition) Act.1970, subject to the conditions specified in Annexure.
This license is for doing the work of (Construction Of 132/33kv (2x40MVA) GIS SUBSTATION , KHATIMA-II, US NAGAR) in the establishment of **Power Transmission Corporation Of Uttarakhand** at Vidyut Bhawan Near ISBT Crossing Majra Dehradun.
The license shall remain in force till 18/07/2025 .

Signature and Seal of the Licensing Officer

RENEWAL
[See Rule 29]

Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licencing Authority
19/07/2024		18/07/2025	

Employment of children under eighteen years is prohibited by the Law

uklabouracts.in/Report/CertificateLicense/firm_CLALicenceCertificate.aspx?Param2=UKCLALUSN001814 1/3

2.5 Lohaghat

Form VI
[See Rule 25(1)]



Government of Uttarakhand
OFFICE OF THE LICENSING OFFICER
LICENCE

License No:- **UKCLALCHMP001346** License Date :- **07/12/2024** Fee Paid Rs:- **150.00**

License is hereby granted to **M/s Flowmore Limited JV With M/s Jiagsu Jingdan EI** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act.1970, subject to the conditions specified in Annexure.

This license is for doing the work of (Construction Of 132/33kv (2x20MVA) GIS SUBSTATION, LOHAGHAT CHAMPAWAT) in the establishment of **Power Transmission Corporation Of Uttarkhand** at **Vidyut Bhawan Near ISBT Crossing Majra Dehradun**.

The license shall remain in force till **18/07/2025**.

Signature and Seal of the Licensing Officer

RENEWAL

[See Rule 29]

Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licencing Authority
18/07/2024		18/07/2025	

Employment of children under eighteen years is prohibited by the Law

Form VI
[See Rule 25(1)]



Government of Uttarakhand
OFFICE OF THE LICENSING OFFICER

LICENCE

License No:- **UKCLALHWR001922**

License
Date :- **16/09/2025**

Fee Paid Rs:- **150.00**

License is hereby granted to **Salasar Techno Engineering Limited** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970, subject to the conditions specified in Annexure.

This license is for doing the work of (Construction Of LILO Of 220 KV Roorkee Nara Line at Proposed 220 KV Substation) in the establishment of **Power Transmission Corporation Of Uttarakhand** at **Vidyut Bhawan Near ISBT Crossing Majra Dehradun**.

The license shall remain in force till **08/12/2025**.

Signature and Seal of the Licensing Officer

RENEWAL

[See Rule 29]

Date of Issuing/Renewal	Fee paid for renewal	Date of Expiry	Signature of Licensing Authority
09/12/2024		08/12/2025	

Employment of children under eighteen years is prohibited by the Law

HDFC ERGO General Insurance Company Limited

February 05, 2025

FLOWMORE LIMITED

BLOCK B VIDHYA VIHAR PHASE -2 DEHRADUN
KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,
DEHRADUN,
UTTARAKHAND,248001



Dear Customer,

Sub: Employees Compensation Insurance Policy No. 3114207154789500000

We thank you for having preferred us for your insurance requirements. We at HDFC ERGO General Insurance believe "Insurance" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary : SMC INSURANCE BROKERS PVT LTD

Intermediary Code : 2012288690630050

Where the proposal form is not received, information obtained from you or your representative / broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and /or other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcergo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,

Authorised Signatory

3114207154789500000

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

Registered & Corporate Office:
HDFC ERGO House, 5th, 6th & 7th Floors, Regency,
11, P. B. Road, Worli, (Central), Mumbai - 400 025

Head Office & Corporate Office:
5th, 6th & 7th Floors, Regency, P. B. Road, Worli,
Mumbai - 400 025

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

Head Office & Corporate Office:
5th, 6th & 7th Floors, Regency, P. B. Road, Worli,
Mumbai - 400 025

Page 1 of 22

Certificate of Insurance cum Policy Schedule

Policy No. 3114207154789500000

Employees Compensation Insurance



Insured Name		FLOWMORE LIMITED AAACF0876E		Business		OTHERS	
Correspondence Address		BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHAAS,KARGI ROAD PATTHRSBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,DEHRADUN UTTARAKHAND,248001					
Mobile		Phone		E Mail		Policy Issuance Date	
				VKA567@SMCINSURANCE.COM		05/02/2025	
Period of Insurance		From Date & Time		05/02/2025 00:01 AM		To Date & Time	
						04/02/2026 Midnight	

LAW

The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law.

Sl. No.	Law	Limit of indemnity
a.	Employee's Compensation Act, 1923 and subsequent amendments thereof prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the insured
b.	Common Law	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured, but not exceeding:-
		a) Limit Per Employee for any number of accidents during Period of Insurance ₹ is as per actuals
		b) Limit Per Accident for any number of Employees ₹ is as per actuals
		c) Aggregate Limit for all accidents and claims arising there from during the Period of Insurance ₹ is as per actuals

311420715478650000

Page 2 of 22

Source: (a) (b) General Insurance Company Limited (Formerly GIC General Insurance Limited)

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Suggested 6 Corporate Office

Customer Service Address:

Red Cross Seeks Blood

146 *Front. Psychol.* 2014 | Volume 5 | Article 1086 | <http://dx.doi.org/10.3389/fpsyg.2014.01086>

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Telephone: +91 22 6634 8000 Fax: 01 22 6634 8000

HDFC ERGO General Insurance Company Limited

Details of Employees Covered

Description of work done by Employees	Declared Number of Employees	Declared Wages during the Period of Insurance	Place/Places of Employment
Electricity..All employees inside and out skilled	20	5040000.00	TENDER IFB NO. P-1/AODB/PTCUL/2022/22 0/132 KV GIS SUBSTATIONS/ LOT-1 FOR CONSTRUCTION OF 2020/23 KV (2X50MVA) GIS SUBSTATION SELAQUI, DEHRADUN
Electricity..All employees inside and out semi-skilled	30	5400000.00	TENDER IFB NO. P-1/AODB/PTCUL/2022/22 0/132 KV GIS SUBSTATIONS/ LOT-1 FOR CONSTRUCTION OF 2020/23 KV (2X50MVA) GIS SUBSTATION SELAQUI, DEHRADUN

Premium Details (₹)

Basic Premium	5472.00
Integrated Tax 18%	985.00
Total Premium	6457.00

GST Registration No: 07AABCL5045N1ZA. The contract will be cancelled ab initio in case, the consideration under the policy is not realized.

If We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

This is with reference to the KYC norms prescribed by the Authority, whereby this policy is being issued relying on the undertaking / power of attorney / letter of authorisation / Board resolution provided by the authorized signatory of your Entity. Should the signatory be not authorized to provide such a declaration, please inform the Company within 15 days from the date of receipt of this policy.

List of Endorsements

Endt No	Description	Effective Date
C11	Any employment compensation in excess of the actual sum insured for workmen compensation ordinance (not to apply in respect of common law	05 February 2025

3114207154789500000

Page 3 of 22

WPPAC (WPPAC) General Insurance Company Limited (Formerly WPPAC General Insurance Limited)

LEW. 2004a,b. *Journal of Polymer Science: Part A: Polymer Chemistry* 42: 1081–1090. <http://www.interscience.wiley.com>

Regional & Corporate Office
400 First Street, Suite 1100, San Francisco, CA 94104
Tel: 415.774.2000, Fax: 415.774.2001

Customer Service Address:
 5501 4th Floor, Eastern Business District (Magical Mall)
 123 West Broadway Street, Moscow, 456 789

Toll Free Number: 1-800-275-7226
 Fax: 415-333-3333
 E-mail: info@hugoboss.com

HDFC ERGO General Insurance Company Limited

C12	Losses suffered in the course of manufacturing and/or supplying and/or producing, storing, filling, breaking down, transporting (a) Fireworks, ammunition, fuses, cartridges, powder, nitro-glycerine, or any explosives (b) Gases and/or air under pressure in containers (c) Butane, methane, propane, and other liquefied gases (d) Celluloid and pyroxylin (e) Petrochemicals and also chemicals of a toxic (as defined under India's Public Liability Act 1981), noxious, explosive and/or highly flammable nature (f) Asbestos and/or asbestos products	05 February 2025
C13	Losses suffered in the course of the construction, maintenance and demolition of towers, sleepers, bridges, flyovers and other walkways	05 February 2025
C14	Excavation and tunnelling work in connection with mining, quarrying and for tunnelling work	05 February 2025
C15	Underground and/or underwater mines and/or underground services	05 February 2025
C16	Subaqueous work	05 February 2025
C17	Quarries, where explosives are used	05 February 2025
C18	Contractors engaged exclusively in wrecking or demolition of building and/or scrap metal merchants	05 February 2025
C19	Oil and gas companies drilling, producing, refining and distributing	05 February 2025
C20	Losses suffered on or in connection with offshore rigs	05 February 2025
C21	Losses suffered in the course of shipbuilding, ship repairing and ship breaking other than pleasure crafts, stevedoring and/or long shore work	05 February 2025
C22	Aircraft crews in respect of flight risk or any kind of Aircraft Services including Engineering Services	05 February 2025
C23	Ship crews other than on inland vessels or on vessels operating within territorial waters	05 February 2025
C24	Fire brigades other than those formed privately for loss prevention purposes	05 February 2025
C25	Service in any kind of armed forces	05 February 2025
C26	Operation of railways, other than sidings	05 February 2025
C27	Employees employed on a permanent basis in U.S.A. and/or Canada	05 February 2025
C28	Professional sports team	05 February 2025
C29	Liability arising out of communicable diseases, other than the liability arising out of communicable diseases covered under VEC, AGL (is excluded)	05 February 2025
C30	Bifurcation of contractual and permanent employees along with the declared wages will be required at the time of claims	05 February 2025
C31	Occupational Disease Exclusion Conditions For injury caused to Employee by accident directly or indirectly caused by or arising from or in consequence of or attributable to war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, mutiny, insurrection, rebellion, revolution or military or usurped power, nuclear weapons material, ionising radiations or contamination by radioactivity from any nuclear fuel or	05 February 2025

255420715478950000

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1248 *Wetzel-Collins/Thompson • Building the Adult CNS* J. Neurosci., September 24, 2008 • 28(39):1243–1251 • 1249

Appendix A: Contact List
 (Table with 2 columns: Name, Address, Phone, Fax, Email)

Customer Service Advisor
 1-800-368-7669, ext. 2222
 1400 Hwy. 100, Suite 100, Boulder, CO 80501

2001-2002
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 2577-2578
 2579-2580
 2581-2582
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 258

HDFC ERGO General Insurance Company Limited

	from any nuclear waste from the combustion of nuclear fuel Accident occurring at any other place than the Place or Places of Employment specified in the Schedule, unless the Employee was at such other place whilst on duty for the purpose of the Business and on the directions of the Insured or any of its official authorized to exercise control and supervision over the Employee For Occupational Diseases contracted by an Employee For interest and/or penalty imposed on the Insured under any law or otherwise Under any Law for medical expenses in connection with treatment of any injury sustained by an Employee For persons employed in the Business under a Contractor or Sub-Contractor of the Insured unless specifically covered in the Schedule For injury sustained by person whilst in the employ of the Insured otherwise than in the Business and/or who has is not declared for insurance under this Policy Assumed by agreement which would not have attached in the absence of such agreement For any sum which the Insured would have been entitled to recover from any party but for an agreement between the Insured and such party For any accident occurring whilst the Employee is under the influence of intoxicating liquor or drugs For any incapacity or death of an Employee resulting from his/her deliberate self-injury or the deliberate aggravation of an accidental injury	
C32	Medical Expenses Extension Rs. 1,00,000.00 Per Employee Limit	05 February 2025
C33	Arbitration Opted has been selected as NO. In case if Insured wishes to opt for Arbitration, please get in touch with assigned Relationship Manager	05 February 2025
C34	Policy is subject to no known or reported losses or circumstances leading to losses till date	05 February 2025
EC-13-0007	Communicable Disease Exclusion	05 February 2025
EC-13-0006	Insurance Contract	05 February 2025
EC-13-0005	Policy Schedule	05 February 2025
EC_12_0001	Medical Expenses	05 February 2025
EC_12_0003	Contractors Employees	05 February 2025

Subject to terms and Conditions of Employees Compensation Insurance Policy attached herewith

Mentioned are four special conditions for EC policy with context to the policy wordings.

1. Subrogation condition no. 14 does not apply to this policy.
2. Average condition no. 9 does not apply to this policy. However, this is subject to adjustment of premium on the basis of actual number of employees and their wages at the time of claims.
3. This policy is issued to cover employer's legal liability for accidents to employees under - The Fatal Accidents Act, 1855
4. The Wages declared is estimated wages for the Coming Year. Any increase or Decrease in wages will be declared at the End of Policy & Subject to that Premium will be changed or refunded

The stamp duty of Rs. 2,74/- paid vide Order No. (LOA/ENF-1/CSD/54/2024-25/ Validity Period Dt. 15/10/2024 to Dt. 31/12/2028, OW No. 4742, Dt. 04/10/2024 GRN NO. MH007778468202425M, Dt. 10/09/2024, SBI Bank & DEFACE No. 0005045616202425, Dt. 03/10/2024) as prescribed by Govt of Maharashtra Notification No. Mudrank - 2017/C.R.978A-1, Dt.09/01/2016

3114207154789500000

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HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

UDF, Andhra Pradesh, Hyderabad, Telangana, India, Reg. No. 146 / 2016, UDF, Andhra Pradesh, Hyderabad, Telangana, India, Reg. No. 146 / 2016

Registered & Corporate Office:
1st Floor, HDFC House, 145 - 150, Backbay Freemartin,
A. T. Pagar Road, Chhatrapati Shivaji - 400 002

Customer Service Offices:
2nd Floor, 1st Floor, Eastern Business District, Western Metro,
12th Floor, Backbay Freemartin, Mumbai - 400 015

Helpline Number: 1800 200 000
Telephone: +91 22 6600 3000 Fax: +91 22 6600 3000
Email: info@hdfc-ergo.com

HDFC ERGO General Insurance Company Limited

Invoice No	207154789500000	GSTN No	05AAACF0676E2ZY
Place of Supply	UTTARAKHAND	HSN Code	997139
Policy Issuance Date	06/02/2025	Branch	NEW DELHI - NEHRU PLACE

For HDFC ERGO General Insurance Company Ltd

Broker Name:SMC INSURANCE BROKERS PVT LTD

Broker Code:2012288690630050

A. Tharwa

Duly Constituted Attorney

3114207154789500000

Page 6 of 22

100% (BAC) General Insurance Company Limited (Formerly HFC General Insurance Limited)

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Registered & Corporate Office:
1st Floor, HERT, House 105, 106 Seashay, Fort Belvedere
W. T. Raghav Men, Cochin, Kerala. 682 022

Customer Service Address:
32201 1st Floor, Eastern Business District, Mingyi Mall,
1200 Hong Kong (China), Monday - 09:00-17:00

Toll Free Number: 1-800-274-0130
Telephone: +1 214-352-5000 Fax: +1 214-352-5000
E-mail: sales@alltrac.com

HDFC ERGO General Insurance Company Limited

Limit of Indemnity means the maximum amount of indemnity as specified in the Schedule that will be provided under this Policy by the Company in respect of

- a) any particular claim by an Employee and
- b) all claims arising out of all accidents for any number of Employees during the Period of Insurance

EXCLUSIONS

This Policy shall not cover liability of the Insured:

- (a) For Injury caused to Employee by accident directly or indirectly caused by or arising from or in consequence of or attributable to war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, mutiny, insurrection, rebellion, revolution or military or usurped power, nuclear weapons material, ionising radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
- (b) Accident occurring at any other place than the Place or Places of Employment specified in the Schedule, unless the Employee was at such other place whilst on duty for the purpose of the Business and on the directions of the Insured or any of its official authorized to exercise control and supervision over the Employee.
- (c) For Occupational Diseases contracted by an Employee.
- (d) For interest and/or penalty imposed on the Insured under any law or otherwise.
- (e) Under any Law for medical expenses in connection with treatment of any Injury sustained by an Employee.
- (f) For persons employed in the Business under a Contractor or Sub-Contractor of the Insured unless specifically covered in the Schedule.
- (g) For Injury sustained by person whilst in the employ of the Insured otherwise than in the Business and/or who has is not declared for insurance under this Policy.
- (h) Assumed by agreement which would not have attached in the absence of such agreement.
- (i) For any sum which the Insured would have been entitled to recover from any party but for an agreement between the Insured and such party.
- (j) For any accident occurring whilst the Employee is under the influence of intoxicating liquor or drugs.
- (k) For any incapacity or death of an Employee resulting from his/her deliberate self-injury or the deliberate aggravation of an accidental Injury.

CONDITIONS

1. **The Contract:** This Policy and the Schedule shall be read together as one contract and any word defined herein and shown in bold shall bear such specific meaning wherever it may appear in the Policy or the Schedule.
2. **Due Observance:** The due observance and fulfilment of the terms, conditions and endorsements of this Policy so far as they relate to anything to be done or not to be done by the Insured shall be condition precedent to any liability of the Company to make any payment under this Policy.
3. **Mis-representation/Non-Disclosure:** This Policy shall be void in the event of any mis-representation or non-disclosure in the Proposal and the Insured is deemed to warrant the truth and accuracy of the statements and answers in the Proposal which form the basis of this Policy.
4. **Written Communication:** Every notice or communication to be given or made under this Policy shall be delivered in writing to the Company.
5. **Safeguards:** The Insured shall take reasonable precautions to prevent accidents and disease and shall comply with all statutory obligations, manufacturer's recommendations and other safety regulations in conduct of the Business.

EC-13-0004

3114207154789500000

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HDFC ERGO General Insurance Company Limited (formerly HDFC General Insurance Limited)

Law: MCA21.COM/2017/00011112/MCA21.PDF/14/10/2017/00011112

Registered & Corporate Office
The First HDFC House, 405 - 406 Building Registration
N.T. Poonji Marg, Churchgate, Mumbai - 400 004

Customer Service Centre
G-201, 2nd Floor, Eastern Business District (Regional Mall)
LBS Marg, Bandra (West), Mumbai - 400 050

Reg. File Number: 1692/270/199
Telephone: +91 22 6534 5000 Fax: 91 22 6534 3000
Email: info@hdfcergo.com

HDFC ERGO General Insurance Company Limited

8. **Claim Intimation:** In the event of any occurrence which may give rise to a claim under this Policy the Insured shall as soon as possible, and in any case within a period of thirty days of such occurrence, give notice thereof to the Company in writing with full particulars. Every later claim, writ summons and process shall be notified to the Company immediately on receipt. Notice shall also be given to the Company immediately the Insured shall have knowledge of any impending prosecution, inquest or fatal enquiry in connection with any such occurrence as aforesaid.
7. **Company's Rights After Loss:** No admission offer promise or payment shall be made by or on behalf of the Insured without the consent of the Company which shall be entitled, without being obliged to do so, if it so desires to take over and conduct in his name the defence or settlement of any claim or to prosecute in his name for its own benefit any claim for indemnity or damages or otherwise and shall have full discretion in the conduct of any proceedings and in the settlement of any claim and the Insured shall give all such information and assistance as the Company may require.
8. **Declaration of Employees and Wages:** It is clearly agreed and Understood that the Insured shall be bound at all times to declare all Employees and Wages payable in respect of such Employees on the basis of which the Premium for this Policy is calculated.
- In case of increase in Employees or Wages subsequent to insurance, Insured shall keep the Company intimated and obtain Endorsement by payment of necessary additional premium.
- The Insured shall as and when require by the Company permit inspection of its records to verify the Wages and Employees and shall also provide duly authenticated copies thereof if so required the Company.
9. **Average:** Notwithstanding anything contained hereinabove:
- (i) a) If the number of Employees (whether on duty or otherwise) employed by the Insured on the date of accident is higher than the number covered under this Policy, the Company shall indemnify Insured's liability arising out of such accident, only in such proportion that the number of Employees covered bears to the Employees found employed on the date of accident.
- b) If the amount of Wages declared for this insurance for all Employees is less than the actual Wages paid until date of accident, the Company shall be liable to indemnify on any claim only in proportion that the Wages declared bears to the Wages paid. For the purpose of this clause, the Wages declared shall be calculated proportionately for the period from commencement of Policy until date of accident for comparison with the actual wages paid during such period to determine applicability of this clause.
- c) If the liability of the Insured for any claim by an Employee is determined on the basis of Wages higher than covered under this Policy, the Company shall be liable to indemnify only in proportion that the Wages covered under the Policy for the Employee/employees bears to the Wages on the basis of which Insured is held liable. For the purpose of this clause, the Wages covered in respect of any Employee shall be deemed to be the average wage per Employee in the category under which the Employee falls as specified in the Schedule, unless actual Wages paid at the time of accident is substantiated by submission of documentary evidence to the Company.
- (ii) If more than one of the above clauses is found applicable in respect of a claim, only such clause under which the liability of the Company is least shall be applied.
10. **Maintenance of record of Employees/Wages:** The Insured undertakes to maintain an accurate record of the Employees and Wages in respect of the Business throughout the Period of Insurance, in compliance with all statutory requirements or otherwise, and allow the Company to inspect such records during or upon expiry of this Policy.

EC-13-0004
3114207154786500000

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HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

Web: www.hdfcergo.com Email: info@hdfcergo.com

Registered & Corporate Office
19 Floor, HDFC House, 100, 101 Building, Bandra West,
M. T. Road, Mumbai - 400 050

Customer Grievance Address
25/01, 2nd Floor, Eastern Business Center, Regency West,
LBS Marg, Bandra West, Mumbai - 400 050

Helpline Number: 1800-070-0700
Toll-free: 1800-070-0700
Telephone: +91 22 6666 6666 Fax: +91 22 6666 6666
Email: info@hdfcergo.com

HDFC ERGO General Insurance Company Limited

Coverage for Contractors Workers/ Employees

Policy Period	Effective Date	From	00:01	hours	February 05, 2025
	Expiry Date	To (Midnight)			February 04, 2026
Effective Date	February 05, 2025				
Policy Number	3114207154769500000				
Insured	FLOWMORE LIMITED				
Name of Company	HDFC ERGO General Insurance Company Limited				
Date Issued	February 05, 2025				

Coverage for Contractors Workers/ Employees

In consideration of the payment of an additional premium it is hereby understood and agreed that the indemnity herein granted is extended to cover the legal liability of the Insured to Employees in the employment of Contractors performing work for the Insured while engaged in the Business in respect of which the within Policy is granted, but only so far as regard claims under the Employees Compensation Act, 1923, and subsequent amendments of said Act prior to the date of the issue of this Policy.

1	Contractor's Name:	Details to be provided at time of claim
	Registered Address:	Details to be provided at time of claim

Sr. No	Description of work done by Employees	Declared Number of Employees	Declared Wages/Contract Value during the Period of Insurance	Place/Places of Employment
1	Electricity - Light and/or Power Supply - All employees inside and out	20	5040000	ANYWHERE IN INDIA
2	Electricity - Light and/or Power Supply - All employees inside and out	30	5400000	ANYWHERE IN INDIA

Authorized Representative

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3114207154789500000

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NRDC GROUP (General Practitioner Company) Limited (Formerly NRDC General Practitioner (Private))

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 90

HDFC ERGO General Insurance Company Limited

Coverage for Medical Expenses

Policy Period	Effective Date From 00:01 hours February 05, 2025
	Expiry Date To (Midnight) February 04, 2026
Effective Date	February 05, 2025
Policy Number	3114207154789500000
Insured	FLOWMORE LIMITED
Name of Company	HDFC ERGO General Insurance Company Limited
Date Issued	February 05, 2025

In consideration of the payment of an additional premium it is hereby understood and agreed that this Policy is extended to cover Insured's liability towards medical expenses for treatment of **injury** arising out of accident in respect of which indemnity granted under this Policy otherwise applies.

Provided always that the liability of the Company under this endorsement shall be limited to Rs. 100000 in respect of each Employee per accident and the aggregate liability of the Company for all accidents during the Period of Insurance to Rs Nil(Not Applicable)

For the purpose of this endorsement only, Definitions is modified and amended to add the following:

Medical expenses mean reasonable expenses for necessary:

- first aid administered at the time of an accident;
- medical, surgical, x-ray and dental services, including prosthetic devices; and
- ambulance, hospital, professional nursing and funeral services.

Subject to otherwise to the terms, provisions and conditions of the within Policy.

*If the Underwriter wants to give complete coverage for actual incurred the last paragraph of the endorsement can be deleted.

For Name of the Company

A3140000

Date February 05, 2025

Authorized Signatory

EC_12_0001
3114207154769500000

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Customer Service Address:
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122, Mass Street, West, Myanmar. 010 275

Toll Free Number: 1-800-375-7585
Telephone: +91 22 6608 0040 Fax: +91 22 6608 0050
E-mail: info@offshore.com

February 05, 2025

FLOWMORE LIMITED

BLOCK B VIDHYA VIHAR PHASE -2 DEHRADHASS,
KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,
DEHRADUN,
UTTARAKHAND 248001



Dear Customer,

Sub: Employees Compensation Insurance Policy No: 3114207154744400000

We thank you for having preferred us for your insurance requirements. We at HDFC ERGO General Insurance believe "Insurance" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary : SMC INSURANCE BROKERS PVT LTD

Intermediary Code 2012288690630060

Where the proposal form is not received, information obtained from you or your representative (broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and for other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcorgeo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,

A. Sharma
Authorised Signatory

311420715474400000

31142071547644000000

Registered & Corporate Office
1st Floor, 10/FC, Avenue, 10B - 10B Building, Restoration
11, T. Nagar, Madras, Chennais, Madras - 600 022

Customer Service Actions

Dr. John J. Griffin, Eastern Business Institute (College Blvd.,
1000 West, Overland Park, Kansas - 66119)

DOI: 10.1002/for

Toll Free Number: 1-800-270-7000
Telephone: +91 22 6636 2000/Fax: +91 22 6636 2000
Email: csa@csaonline.com

Certificate of Insurance cum Policy Schedule

Policy No. 311420715474400000

Employees Compensation Insurance



Insured Name	FLOWMORE LIMITED AAACF0876E			Business	OTHERS
Correspondence Address	BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHAAS,KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,DEHRADUN,UTTARAKHAND,248001.				
Mobile		Phone		E Mail	VIKAS87@SMCINSURANCE.COM
				Policy Issuance Date	05/02/2025
Period of Insurance	From Date & Time	05/02/2025 00:01 AM		To Date & Time	04/02/2026 Midnight

LAW

The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law.

Sr. No.	Law	Limit of Indemnity
a.	Employee's Compensation Act, 1923 and subsequent amendments thereof prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured
b.	Common Law	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured, but not exceeding:- a) Limit Per Employee for any number of accidents during Period of Insurance ₹ is as per actuals b) Limit Per Accident for any number of Employees ₹ is as per actuals c) Aggregate Limit for all accidents and claims arising there from during the Period of Insurance ₹ is as per actuals

EC-13-0005

3114207154744400000

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Customer Service Address

Toll Free Number: 1-800-274-6676

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10-101, 104 Plaza, Oakland, California, Oakland, California 94612.

Telephone: +91 11 4918 9930 Fax: 91 11 4918 9999

HDFC ERGO General Insurance Company Limited

Details of Employees Covered

Description of work done by Employees	Declared Number of Employees	Declared Wages during the Period of Insurance	Place/Places of Employment
Electricity, All employees inside and out skilled	80	20160000.00	TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, DHAULAKHERA , NAINITAL, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, ARAGHAR , DEHRADUN, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, KHATIMA , US NAGAR, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X20 MVA) GIS SUBSTATION, LOHAGHAT , CHAMPAWAT
Electricity, All employees inside and out semi-skilled	120	21600000.00	TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, DHAULAKHERA , NAINITAL, TENDER IFB NO.

3114207154744600000

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HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

UDM: 9924912999612942291112; WGA Reg No. 1441; CN: 1680004-000071211111

Registered & Corporate Office
1st Floor, HDFC House, 105 - 106, Backbay Reclamation,
15, T. Poonji Marg, Churniagar, Mumbai - 400 015

Customer Service Address
5-501, 5th Floor, Eastern Business Centre (Wing 1A),
LBS Marg, Shreebhag (West), Mumbai - 400 016

Toll Free Number: 1800 3750 700
Telephone: +91 22 6036 3000 Fax: +91 22 6036 9008
Email: info@hdfcergo.com

HDFC ERGO General Insurance Company Limited

			P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, ARAGHAR, DEHRADUN, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, KHATIMA-II, US NAGAR, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X20 MVA) GIS SUBSTATION, LOHAGHAT, CHAMPAWAT
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Premium Details (₹)

Basic Premium	21894.00
Integrated Tax 18%	3941.00
Total Premium	25835.00
GST Registration No: 07AABCL5045N1ZA. The contract will be cancelled ab initio in case the consideration under the policy is not realized.	

I/We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

This is with reference to the KYC norms prescribed by the Authority, whereby this policy is being issued relying on the undertaking / power of attorney / letter of authorisation / Board resolution provided by the authorized signatory of your Entity. Should the signatory be not authorized to provide such a declaration, please inform the Company within 15 days from the date of receipt of this policy.

List of Endorsements

Endr No	Description	Effective Date
C31	Occupational Disease Exclusion Conditions For injury caused to Employee by accident directly or indirectly caused by or arising from or in	05 February 2025

Page 4 of 23

3114207154744400000

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

UDF - INDIA (2019) 740221112 (SCA) Reg No. 141 (CN) - LMB00000000791C111111

Registered & Corporate Office
HDFC ERGO House, 100 - 102, Naraina Puri, New Delhi - 110028
A. T. Pandey, Managing Director, Mumbai - 400 027

Customer Service Address
D-301, 3rd Floor, Eastern Business Centre (Bhagat Singh),
120, Bang, Bhamburda (Pune), Mumbai - 400 078

Toll Free Number: 1800 2700 700
Telephone: +91 22 6608 3000 Fax: +91 22 6608 3000
Email: info@hdfcergo.com

HDFC ERGO General Insurance Company Limited

Coverage for Contractors Workers/ Employees

Endorsement

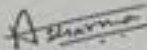
Policy Period Effective Date From 00:01 hours : February 05, 2025
Expiry Date To (Midnight) : February 04, 2026
Effective Date February 05, 2025
Policy Number 3114207154744400000
Insured FLOWMORE LIMITED
Name of Company HDFC ERGO General Insurance Company Limited
Date issued February 05, 2025

Coverage for Contractors Workers/ Employees

In consideration of the payment of an additional premium it is hereby understood and agreed that the indemnity herein granted is extended to cover the legal liability of the Insured to Employees in the employment of Contractors performing work for the Insured while engaged in the Business in respect of which the within Policy is granted, but only so far as regard claims under the Employees Compensation Act, 1923, and subsequent amendments of said Act prior to the date of the issue of this Policy.

1. Contractor's Name: Details to be provided at time of claim
Registered Address: Details to be provided at time of claim

Sr. No.	Description of work done by Employees	Declared Number of Employees	Declared Wages/Contract Value during the Period of Insurance	Place/Places of Employment
1	Electricity - Light and/or Power Supply - All employees inside and out	80	20160000	ANYWHERE IN INDIA
2	Electricity - Light and/or Power Supply - All employees inside and out	120	21600000	ANYWHERE IN INDIA


Authorized Representative

EC_12_0003

3114207154744400000

Page 12 of 23

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

UIN: HDW/2005/001/14220113, HDW Reg No: 142113, UNB/2005/001/14220113

Registered & Corporate Office
7th Floor, HDFC House, 105, 106, Rectory Road,
45, 1, Park Road, Churchgate, Mumbai - 400 020

Customer Service Address:
3-301, 3rd Floor, Eastern Business Centre, Regent West,
130 Mang. Wardha (MUM), Mumbai - 400 075

Toll Free Number: 1800 2750 105
Telephone: +91 22 6636 3600 Fax: 91 22 6636 3668
Email: info@hdfcergo.com

February 05, 2025

FLOWMORE LIMITED

BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHASH,
KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,
DEHRADUN,
UTTARAKHAND,248001.



Dear Customer,

Sub: Employees Compensation Insurance Policy No: 3114267154789500000

We thank you for having preferred us for your insurance requirements. We at HDFC ERGO General Insurance believe "Insurance" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary : SMC INSURANCE BROKERS PVT LTD

Intermediary Code : 2012284690610050

Where the proposal form is not received, information obtained from you or your representative/broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and /or other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfccargo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

● Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely

Answer

Authorized Signatory

3114207154722500000

Page 1 of 22

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 395–401

DOI: 10.1002/anie.201200044

Registered & Corporate Office:
1st Floor, HFC House, 103, 108 Building, Padmalayam,
A. T. Road, Mary Church, Mysore - 570 002.

Customer Service Address:
O.S.M., Inc. Plant, Eastern Business Center (Magnum Mall)
1201 Magn. Boulevard (Off) Morris - 401-272

Toll Free Number: 1-800-275-7535
Telephone: +31 20 6123 2020 Fax: +31 20 6123 2020
E-mail: info@nordicgroup.com

Certificate of Insurance cum Policy Schedule

Employees Compensation Insurance



Insured Name		FLOWMORE LIMITED - AAACF0676E				Business	OTHERS	
Correspondence Address		BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHASH,KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,DEHRADUN,UTTARAKHAND,248001.						
Mobile		Phone		E Mail	VIKAS87@SMCINSURAN CE.COM		Policy Issuance Date	05/02/2025
Period of Insurance		From Date & Time		05/02/2025 00:01 AM		To Date & Time		04/02/2026 Midnight

LAW

The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law:

Sr. No.	Law	Limit of Indemnity
a.	Employee's Compensation Act, 1923 and subsequent amendments thereof prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured
b.	Common Law	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured, but not exceeding:- a) Limit Per Employee for any number of accidents during Period of Insurance ₹ is as per actuals b) Limit Per Accident for any number of Employees ₹ is as per actuals c) Aggregate Limit for all accidents and claims arising there from during the Period of Insurance ₹ is as per actuals

FC-13-0006

3114207154789500000

311429/154/75000000
HDCF ERGO General Insurance Company Limited (Formerly HDCF General Insurance Limited)
Registered & Corporate Office
1st Floor, HDCF House, 145 - 146, Seelie Street, Madurai
D-207, 3rd Floor, E

Fluorine-Substituted Aromatic

© 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683,

DOI: 10.1002/for

Log-file number: 14001-2160-700

Telephone: (415) 221-6222 FAX: (415) 221-6226

IDFC ERGO General Insurance Company Limited

Details of Employees Covered

Description of work done by Employees	Declared Number of Employees	Declared Wages during the Period of Insurance	Place/Places of Employment
Electricity..All employees inside and out,skilled	20	5040000.00	TENDER IFB NO. P-1/AOB/PTCUL/2022/22 0/132 KV GIS SUBSTATIONS/ LOT-1 FOR CONSTRUCTION OF 2020/23 KV (2X50MVA) GIS SUBSTATION SELAQUI , DEHRADUN.
Electricity..All employees inside and out,semi-skilled	30	5400000.00	TENDER IFB NO. P-1/AOB/PTCUL/2022/22 0/132 KV GIS SUBSTATIONS/ LOT-1 FOR CONSTRUCTION OF 2020/23 KV (2X50MVA) GIS SUBSTATION SELAQUI , DEHRADUN.

Premium Details (₹)

Basic Premium	5472.00
Integrated Tax 18%	985.00
Total Premium	6457.00
GST Registration No: 07AABCL5045N1ZA. The contract will be cancelled ab initio in case; the consideration under the policy is not realized.	

I/ We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

This is with reference to the KYC norms prescribed by the Authority, whereby this policy is being issued relying on the undertaking / power of attorney / letter of authorisation / Board resolution provided by the authorized signatory of your Entity. Should the signatory be not authorized to provide such a declaration, please inform the Company within 15 days from the date of receipt of this policy.

List of Endorsements

Endt No	Description	Effective Date
C11	Any employment compensation in excess of the actual sum insured for workmen compensation ordinance (not to apply in respect of common law	05 February 2025

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3114207154789500000

IDFC ERGO General Insurance Company Limited (Formerly IDFC General Insurance Limited)

LINE: 3RDAY/2022/07/02/20112 IDFC Reg No: 14 / 07 / 1980289/2011/11

Registered & Corporate Office
1st Floor, IDFC House, 105-106, Backside, Residency,
N. T. Puri Marg, Connaught Place, New Delhi - 110 029

Customer Service Address
D-304, 3rd Floor, Eastern Business District (Majid Mall),
LBS Road, Shantipur (West), Mumbai - 400 075

Toll Free Number: 1800 2130 700
Telephone: +91 22 6600 9600 Fax: 91 22 6600 9600
Email: info@idfcergo.com

HDFC ERGO General Insurance Company Limited

February 05, 2025

FLOWMORE LIMITED

BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHASH,
KARGI ROAD PATTHRIBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,
DEHRADUN,
UTTARAKHAND,248001.



Dear Customer,

Sub: Employees Compensation Insurance Policy No: 3114207154744400000

We thank you for having preferred us for your Insurance requirements. We at HDFC ERGO General Insurance believe "Insurance" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary : SMC INSURANCE BROKERS PVT LTD
Intermediary Code : 2012288690630050

Where the proposal form is not received, information obtained from you or your representative /broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and for other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcergo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,

Authorised Signatory

3114207154744400000

Page 1 of 23

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

Registered & Corporate Office
1st Floor, HDFC House, 101 - 106, Building, Residency,
31 T. Park, Mayapuri, New Delhi - 110 028

Customer Service Address
5-305, 3rd Floor, Eastern Business Centre (Magnum),
120, Mayapuri, New Delhi - 110 028

URL: www.hdfcergo.com Email: info@hdfcergo.com

Toll Free Number: 1800 270 100
Telephone: +91 22 6600 9600 Fax: +91 22 6600 9600
Email: info@hdfcergo.com

Certificate of Insurance cum Policy Schedule

Policy No. 3114207154744400000

Employees Compensation Insurance



Insured Name	FLOWMORE LIMITED - AAACF0876E			Business	OTHERS		
Correspondence Address	BLOCK B VIDHYA VIHAR PHASE -2 DEHRAKHASS,KARGI ROAD PATTHRSBAGH DEHRADUN DEHRADUN UTTARAKHAND 248001,DEHRADUN,UTTARAKHAND,248001.						
Mobile		Phone		E Mail	VIKAS87@SMCINSURAN CE.COM	Policy Issuance Date	05/02/2025
Period of Insurance	From Date & Time	05/02/2025 00:01 AM		To Date & Time	04/02/2026 Midnight		

LAWY

The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law:

Sr. No.	Law	Limit of Indemnity
a.	Employee's Compensation Act, 1923 and subsequent amendments thereof prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured
b.	Common Law	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured, but not exceeding- a) Limit Per Employee for any number of accidents during Period of Insurance ₹ is as per actuals b) Limit Per Accident for any number of Employees ₹ is as per actuals c) Aggregate Limit for all accidents and claims arising there from during the Period of Insurance ₹ is as per actuals

EC-13-0005

311429715474400000

31142071547444000000

Registered & Corporate Office
1st Floor, 102 C. House, 105 - 106, Building Restoration

Customer Service Address:

11011, 1st Floor, Eastern District Court, Singapore.

U.S. GOVERNMENT PRINTING OFFICE: 1967 O 480-000

THE FREE NATIONAL TELEPHONE FUND
 ESTABLISHED - OCT. 22, 1918 - UNDER ACT OF OCT. 22, 1918, 40 STAT. 3088

Page 2 of 23

HDFC ERGO General Insurance Company Limited

Details of Employees Covered

Description of work done by Employees	Declared Number of Employees	Declared Wages during the Period of Insurance	Place/Places of Employment
Electricity, All employees inside and out, skilled	80	20160000.00	TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, DHAULAKHERA, NAINITAL, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, ARAGHAR, DEHRADUN, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, KHATIMA-II, US NAGAR, TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X20 MVA) GIS SUBSTATION, LOHAGHAT, CHAMPAWAT
Electricity, All employees inside and out, semi-skilled	120	21600000.00	TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, DHAULAKHERA, NAINITAL, TENDER IFB NO.

Page 3 of 23

3114207154744400000

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited)

UDF: JRDW128PQ017V0201112: HDIA Reg No: 181 / CR: 18600M600PUC1071117

Registered & Corporate Office:
1st Floor HDFC House, 155 - 156 Bandra Road,
N. T. Poonji Marg, Churchgate, Mumbai - 400 020

Customer Service Address:
E-301, 3rd Floor, Eastern Business District (Mumbai Sub),
100 Marg, Bandra (West), Mumbai - 400 075

Toll Free Number: 1800 2700 700
Telephone: +91 22 6558 2675 Fax: +91 22 6558 3036
Email: corporate@hdfcergo.com

HDFC ERGO General Insurance Company Limited

			P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, ARAGHAR, DEHRADUN. TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTRUCTION OF 132/33KV (2X40 MVA) GIS SUBSTATION, KHATIMA-II, US NAGAR. TENDER IFB NO. P-1/ADB/PTCUL/ 2022/220/ 132KV GIS SUBSTATIONS CONSTR UCTION OF 132/33KV (2X20 MVA) GIS SUBSTATION, LOHAGHAT, CHAMPAWAT
--	--	--	--

Premium Details (₹)

Basic Premium	21894.00
Integrated Tax 18%	3941.00
Total Premium	25835.00

GST Registration No: 07AABCL5045N1ZA. The contract will be cancelled ab initio in case, the consideration under the policy is not realized.

i/ We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 45, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

This is with reference to the KYC norms prescribed by the Authority, whereby this policy is being issued relying on the undertaking / power of attorney / letter of authorisation / Board resolution provided by the authorized signatory of your Entity. Should the signatory be not authorized to provide such a declaration, please inform the Company within 15 days from the date of receipt of this policy.

List of Endorsements

List of Endorsements		Effective Date
Endt No.	Description	
C31	Occupational Disease Exclusion Conditions For Injury caused to Employee by accident directly or indirectly caused by or arising from or in	05 February 2025

Page 4 of 4

Page 4 of 23

311420715474400000

3114207154744400000

Registered & Corporate Office
1st Floor, EFC House, 105, 106, Seaford Road
in 2 Floor, Mar. Chavang, South - 605 006

Customer Support is a Must

© 2011, 3rd Floor, Eastern Business College, Maryland Heights
- 3rd Floor, Business School, Maryland - 410-078

U.S. GOVERNMENT PRINTING OFFICE: 1964 O 344-141

Toll Free Number: 1-800-271-6116
Telephone: +1 22 5038 3000 Fax: +1 22 5038 3000
E-mail: enquiries@wpi.com

Annexure 4:- Public Consultation
4.1 Selaqui From Jan 2025 to July 2025




PUBLIC CONSULTATION FORM

Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no. :- 4402)

Name Of Project	Construction of 220/33 kV GIS Substation Selaqui, Dehradun
Location Of Public Consultation	Selaqui, Dehradun
Date Of Public Consultation	23/05/25

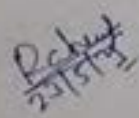
Topics Discussed with Participants: -

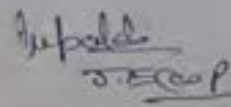
- परियोजना अवलोकन: बिजली सबस्टेशन का उद्देश्य, स्थान और लाभ।
- समयरेखा: अपेक्षित निर्माण अवधि और कार्य घंटे।
- संभावित प्रभाव: शोर, धूल, यातायात व्यवधान और पर्यावरण सुरक्षा उपाय।
- शमन उपाय: असुविधाओं को कम करने के लिए कदम (जैसे, अवरोध, धूल नियंत्रण)।
- रोजगार के अवसर: अकुशल/कुशल श्रमिकों के लिए स्थानीय भर्ती प्राथमिकताएँ।
- शिकायत निवारण: शिकायत कैसे दर्ज करें (जीआरएम अधिकारियों के संपर्क विवरण)।
- प्रश्नोत्तर सत्र: भूमि उपयोग, सुरक्षा और दीर्घकालिक लाभों पर प्रश्नों को संबोधित किया गया।

Attendance and Signature Sheet Of Participants:-

S.no	Name Of Person	Occupation	Mob. No.	Address	Signature
1	Rulzar Siddiqui	Shopkeeper	7011702255	Bijli Ghar Keshavnagar	[Signature]
2	Kafool	"			
3	श्री हनुमान	"	8077861359	जमानपुर गुरुकुल	[Signature]
4	चमेल	"	7817068861	जमानपुर गुरुकुल	[Signature]
5	शक्ति	"	7900837503		[Signature]
6	अरवि		781981494		
7	रमेश	"	781981494	दुधानापुर	
8					
9					
10					




 23/5/25


 23/5/25



4.2 Araghar
to June 2025

From Jan 2025



PUBLIC CONSULTATION

Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no: - 4402)

Name of Project	132/33 kV GIS Substation, Araghar
Location of Public Consultation	Araghar
Date of Public Consultation	18/04/25

Discussion with Participants:-

- * अतः लोक निर्माण गतिविधि से कोई प्रदूषण नहीं हुआ है, कंपनी स्वास्थ्य और सुरक्षा और पर्यावरण के लिए सभी सुरक्षा उपायों का पालन करती है,
- * कंपनी के सभी कर्मचारी / वरिष्ठ उपस्थिति / स्थानीय समुदाय के साथ अच्छे संबंध से रहते हैं तथा उनकी स्थानीय संस्कृति का पालन और सम्मान करते हैं,
- * कंपनी / विभाग से 132/33 केवी जी आइएस सबस्टेशन की सुरक्षा उपलब्ध करने के लिए सभी लोगों से धन्य की है,
- * स्थानीय उपस्थिति से जी आइएस सबस्टेशन के निर्माण से सहयोग का कृतज्ञ किया है,

Attendance and Signature Sheet of Participant:-

S.No.	Name of Person	Occupation	Mob. No.	Address	Signature
1.	Pragya Singh	shop	6399337879	289 Model colony	[Signature]
2.	Krishna Singh	house	7483720710	336 Model colony	[Signature]
3.	Tilak Singh	carriage Retd	9037501140	289/2 Model colony	[Signature]
4.	Sudhakar Singh	Govt	9410363375	5/13 Model colony	[Signature]
5.	Ankur Singh	Govt Job.	9411152086	5/8 Model	[Signature]
6.	Harsh Singh	Job	6398253331	5/6 Model	[Signature]
7.					
8.					
9.					
10.					

[Signature]

K. Bera
Site Incharge
Flowmore Ltd.

Abdul Karim
Safety officer
Flowmore Ltd.





PUBLIC CONSULTATION FORM

Uttarakhand Climate Resilient Power System Development Project (PTCUL)

Funded By Asian Development Bank, (Loan no. :- 4402)

Name Of Project	Construction of 132/33 kV GIS Substation Araghar, Dehradun
Location Of Public Consultation	Araghar, Dehradun
Date Of Public Consultation	29/05/2025

Topics Discussed with Participants: -

- परियोजना अवलोकन: बिजली सबस्टेशन का उद्देश्य, स्थान और लाभ।
- समयरेखा: अपेक्षित निर्माण अवधि और कार्य घंटे।
- संभावित प्रभाव: शोर, धूल, यातायात व्यवधान और पर्यावरण सुरक्षा उपाय।
- शमन उपाय: असुविधाओं को कम करने के लिए कदम (जैसे, अवरोध, धूल नियंत्रण)।
- रोजगार के अवसर: अकुशल/कुशल श्रमिकों के लिए स्थानीय भर्ती प्राथमिकताएँ।
- शिकायत निवारण: शिकायत कैसे दर्ज करें (जीआरएम अधिकारियों के संपर्क विवरण)।
- प्रश्नोत्तर सत्र: भूमि उपयोग, सुरक्षा और दीर्घकालिक लाभों पर प्रश्नों को संबोधित किया गया।

Attendance and Signature Sheet of Participants: -

S.n	Name Of Person	Occupation	Mob. No.	Address	Signature
1	Neetu	Job	8475977318	SABALBEER Road	[Signature]
2	ASHISH	Job	8449365665	"	[Signature]
3	सिद्ध		9832265157	TABALBEER	[Signature]
4	Rohit	Business	9997999710	reg. Bhadur Road	[Signature]
5	MANESHA	JOB	8979965880	DEEPURAM	[Signature]
6	Rahul	JOB	6396575095	Teg Behadur	[Signature]
7	Himanshu Singh	Marketing	7895111919	Ranoli	[Signature]
8	VISAY SIKSH			Teg Behadur	[Signature]
9					
10					



[Signature]

[Signature]
PTCUL
29/05/2025



PUBLIC CONSULTATION

Rehabilitation and Up-gradation of promoting public private partnership in power transmission Corporation of Uttarakhand Limited (PTCUL)

Name of Project	132/33 kv line Dhaulakhera
Location of Public Consultation	Near 33 kv UPCL Permission
Date of Public Consultation	01/02/2025

Attendance and Signature Sheet of Participant:-

S. No	Name of Person	Occupation	Sex/Age	Address	Signature	Ph. No.
1.	Dharmendra	Farmer	m	Bhachipur	[Signature]	
2.	Ram Sewak	Farmer	m	Dhaulakhera	[Signature]	
3.	Gopal	Farmer	m	Bhachipur	[Signature]	959500514
4.	Ritesh Kumar	Helper	m	Haldwani	[Signature]	
5.	Manish	labour	m	Dhaulakhera	[Signature]	
6.	Neeraj	student	m	Bhachipur	[Signature]	9256157634
7.	Ravi Kumar	engineer	m	Haldwani	[Signature]	
8.	Raja	labour	m	Dhaulakhera	[Signature]	
9.						
10.						

Discussion With Participants:-

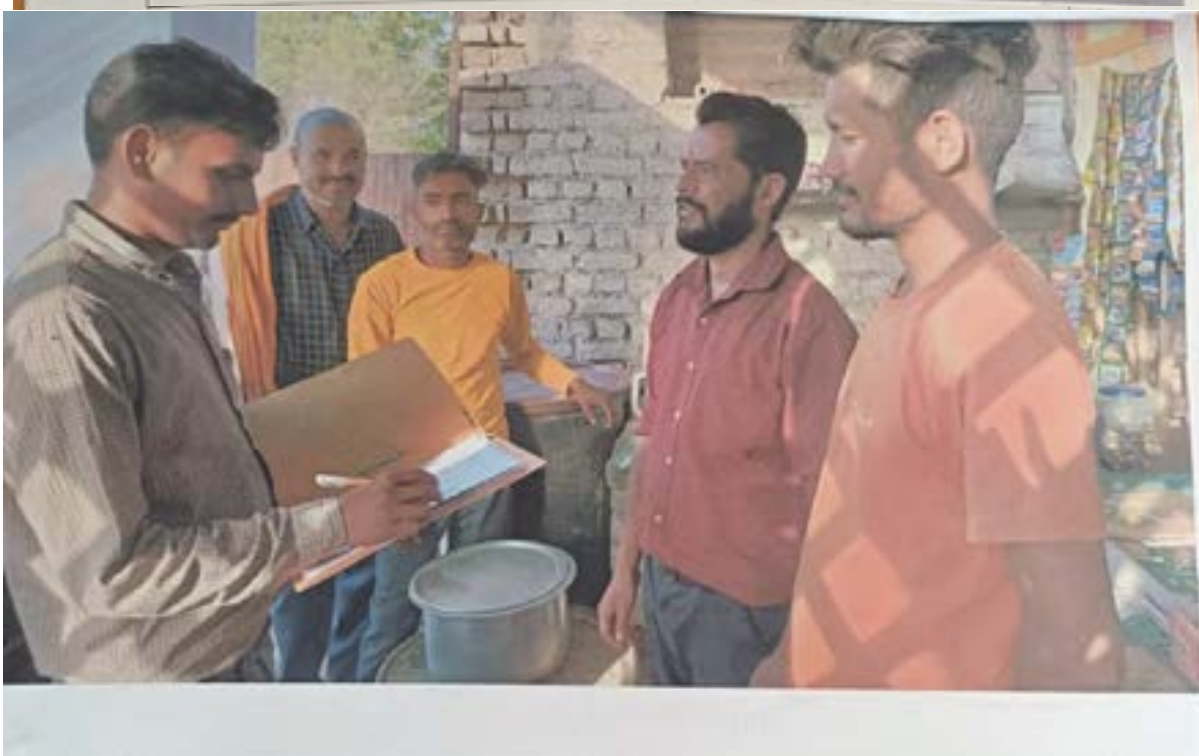
There are no pollution made by construction Activity till now company following all The safety measures for health safety and Environment.

All the company employee labour are live with health relation with villagers local community and others

Seen

[Signature]
AG/OP,
PTWL

[Signature]
Dheerendra
Safety officer
(Manages Project)



PUBLIC CONSULTATION

Rehabilitation and Up-gradation of promoting public private partnership in power transmission
Corporation of Uttarakhand Limited (PTCUL)

Name of Project	132/22 KV lines s/c Dhandakhera
Location of Public Consultation	Village - Barchi pur Dhandakhera
Date of Public Consultation	01/03/25

Attendance and Signature Sheet of Participant:-

S. No	Name of Person	Occupation	Sex/Age	Address	Signature	
1.	Faizan	Farmer	m	Barchi Pur	[Signature]	9758131059
2.	Jardal Singh	Farmer	m	Barchi pur	[Signature]	9837152636
3.	Pankaj Dhandakhera	DRIVER	m	Rakshas Nagar	[Signature]	9327405100
4.	D. S. Khandakhera	CHICKEN SELLER	m	Rakshas Nagar	[Signature]	9827453690
5.	NAVIN JAIN	SHOPKEEPER	m	metaphal Jank	[Signature]	8218951987
6.	Singh Khali	Architect	m	JOIPUR KHEERA	[Signature]	9897826963
7.						
8.						
9.						
10.						

Discussion With Participants:-

- * 01/03/2025 को सार्वजनिक बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई कि नए बिजनेस अवसरों के निर्माण के दौरान कोई प्रदूषण नहीं होगा
- * लोहेज की समस्या कम होगी
- * नए बिजनेस निर्माण के लिए किसी भी प्रकार का वायु प्रदूषण नहीं पैदा किया जाएगा

Dheeraj
Safety Officer

PUBLIC CONSULTATION

Rehabilitation and Up-gradation of promoting public private partnership in power transmission
Corporation of Uttarakhand Limited (PTCUL)

Name of Project	132/33 kv line old Bhaulakhera
Location of Public Consultation	Village - Bachi pur
Date of Public Consultation	01/04/25

Attendance and Signature Sheet of Participant:-

S. No	Name of Person	Occupation	Sex/Age	Address	Signature
1.	Ravindra	Farmer	M	Bachi pur	[Signature]
2.	Lala Ram	Helper	M	"	[Signature]
3.	chaube	driver	M	"	[Signature]
4.	Abhishek	student	M	"	[Signature]
5.	Pankaj	shopkeeper	M	"	[Signature]
6.	gagan		M	"	[Signature]
7.	Ishwar Singh		M	"	[Signature]
8.					
9.					
10.					

9411594615
9759722144

80065489
8193924969
97558

26
47
48

Discussion With Participants:-

- * अब तक निर्माण गतिविधि से कोई प्रदूषण नहीं हुआ है; कंपनी स्वास्थ्य और सुरक्षा पर्यावरण के लिए सभी सुरक्षा उपायों का पालन करती है।
- * कंपनी के सभी कर्मचारी / श्रमिक ग्रामीणों / स्थानीय समुदाय के साथ अच्छे संबंध में रहते हैं। तथा उनकी स्थानीय संस्कृति का पालन और सम्मान करते हैं।
- * स्थानीय ग्रामीणों ने जीआईएस सर्वेक्षण के निर्माण में सहयोग का वादा किया है।

Sheena
Safety Officer

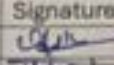
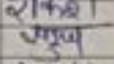
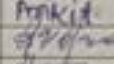
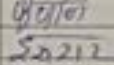
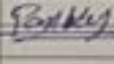


PUBLIC CONSULTATION

Rehabilitation and Up-gradation of promoting public private partnership in power transmission
Corporation of Uttarakhand Limited (PTCUL)

Name of Project	132/33 KV HRS O/S Dhawalakhera
Location of Public Consultation	Village - Barchipur
Date of Public Consultation	07/05/25

Attendance and Signature Sheet of Participant:-

S. No	Name of Person	Occupation	Sex/Age	Address	Signature
1.	UDIT	SELF	M/37	Vill. Barchipur, HLP	 9927050251
2.	Rakesh	Helper	male	Barchipur	 9411162788
3.	Suresh	Helper	male	"	 958131059
4.	Ankit	farmer	male	"	 9520551559
5.	Devi Prasad	SELF	male	"	 8006578812
6.	Raizan		male	"	
7.	Arshad		male	"	
8.	Ran Kar	shopkeeper	male	"	
9.					
10.					

Discussion With Participants:-

- * कंपनी/विभाग ने 132/33 केवी लाइनार्ड्स सबस्टेशन की सुविधा उपलब्ध करने के लिए सभी लोगों से चर्चा की है।
- * अब इस निर्माण गतिविधि से कोई प्रदूषण नहीं हुआ है। कंपनी स्वास्थ्य और सुरक्षा और पर्यावरण के लिए सभी सुरक्षा उपचारों का पालन कर रही है।
- * स्थानीय ग्राहकों ने लाइनार्ड्स सबस्टेशन के निर्माण में सहयोग का वादा किया है।





PUBLIC CONSULTATION FORM



Uttarakhand Climate Resilient Power System Development Project (PTCUL)

Funded By Asian Development Bank, (Loan no. :- 4402)

Name Of Project	Construction of 132/33 kV GIS Substation Dhaulakhera
Location Of Public Consultation	Padlipur, Bachchipur village
Date Of Public Consultation	06/06/2025

Topics Discussed with Participants: -

- परियोजना अवलोकन: बिजली सबस्टेशन का उद्देश्य, स्थान और लाभ।
- समयरेखा: अपेक्षित निर्माण अवधि और कार्य घंटे।
- संभावित प्रभाव: शोर, धूल, यातायात व्यवधान और पर्यावरण सुरक्षा उपाय।
- शमन उपाय: असुविधाओं को कम करने के लिए कदम (जैसे, अवरोध, धूल नियंत्रण)।
- रोजगार के अवसर: अकुशल/कुशल श्रमिकों के लिए स्थानीय भर्ती प्राथमिकताएँ।
- शिकायत निवारण: शिकायत कैसे दर्ज करें (जीआरएम अधिकारियों के संपर्क विवरण)।
- प्रश्नोत्तर सत्र: भूमि उपयोग, सुरक्षा और दीर्घकालिक लाभों पर प्रश्नों को संबोधित किया गया।

Attendance and Signature Sheet of Participants: -

S.no	Name Of Person	Occupation	Mob. No.	Address	Signature
1	सुनील जोशी	स्वाम	8477891025	पादपूर	
2	दिनेश जोशी	दुकानदार	9410714475	पादपूर	
3	अरुण	कुली	721744266	पादपूर	
4	मनोज	दुकानदार	7505482525	पादपूर	
5	रविमानंद	दुकानदार	9557359885	पादपूर	
6	सुनील	दुकानदार	8909947294	पादपूर	
7					
8					



JECOP

4.4 Lohaghat (Jan 2025 - June 2025)

PUBLIC CONSULTATION
"Uttarakhand Climate Resilient Power system Development Project"

NAME OF PROJECT	152/33 KV GDS
LOCATION OF CONSULTATION	Dabli, Lohaghat
DATE	01-01-2025

Attendance Sheet of Participant:-

S/N	NAME OF PERSON	OCCUPATION	SEX/AGE	ADDRESS	SIGNATURE	CONTACT NO.
1	Deepak Rai	Business	M/35	Lohaghat	[Signature]	9089040335
2	Hemant Rai	Business	M/45	Lohaghat	[Signature]	996104211
3	Naseer	Driver	M/25	Dabli	[Signature]	7251996511
4	Gurukul K.	Worker	M/30	Dabli	[Signature]	9931160192
5	Ayush Mehta	Business	M/22	Kallagan	[Signature]	8077154368

DISCUSS WITH PARTICIPANT:-

- 1- There are no pollution made by Construction Authority till now.
- 2- Company/Department Representative discussed all the benefits of under construction substation.
- 3- The Local Village Promised to cooperate with us.

[Signature]
Suresh Chandra Singh
01/01/2025

[Signature]
01-01-2025





PUBLIC CONSULTATION WITH LOCAL VILLAGERS

132/33 KV GIS LOHAGHAT



Date:-27/03/25

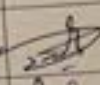
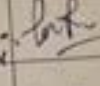
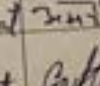
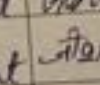
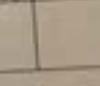


PUBLIC CONSULTATION

"Uttarakhand Climate Resilient Power system Development Project"

NAME OF PROJECT	132/33 KV GPs Lohaghat
LOCATION OF CONSULTATION	Lohaghat, Darsy, mailkura
DATE	01/05/2025

Attendance Sheet of Participant:-

S.N	NAME OF PERSON	OCCUPATION	SEX/AGE	ADDRESS	SIGNATURE	CONTACT NO.
1	Pran Chandra	Retained (Municipality)	M/71	Chauri Rai		9627590671
2	Mohan Rai	Farmer	M/60	Chauri Rai		8194067748
3	Vinod Kauri	Driver	M/42	Chauri Rai		9149293695
4	Anand Singh	Driver	M/32	Chauri Rai		7830793509
5	Gufraan	Driver	M/28	Lohaghat		7525021678
6	Lashan	Worker	M/30	Lohaghat		9520560336



DISCUSS WITH PARTICIPANT:-

कार्यवाही संस्था / विभाग को गांवियों ने बताया कि अभी तक जो कंपनी का कार्यवाही / आगिक कार्य कर रहे हैं वो बहुत कम मेलाप के साथ रह रहे हैं और सामान्य लोगों का सम्मान नहीं गांवियों ने कार्य क्षेत्र से ऊँची छत पर पानी का डिब्बा फेंक से दो बार किया जा रहा है। गांवों ज्यादा धुन न उड़े। कार्यवाही संस्था / विभाग के लोगों ने गांवियों को 132/33 के वी उपस्थान के बारे में बताया। गांवियों ने बताया कि 132/33 के वी विद्युत उपस्थान का कार्य बहुत तेजी से चल रहा है।

PUBLIC CONSULTATION

"Uttarakhand Climate Resilient Power system Development Project"

NAME OF PROJECT	132/33 KV GDS Lohaghat
LOCATION OF CONSULTATION	Dafsy village, Lohaghat
DATE	27/03/2025

Attendance Sheet of Participant:-

S.N	NAME OF PERSON	OCCUPATION	SEX/AGE	ADDRESS	SIGNATURE	CONTACT NO.
1	Jeevan Ram	किसान	m/41	डैसली	[Signature]	871812242
2	Naregh Kr.	किसान	m/54	डैसली	[Signature]	8171812282
3	Krishna Prasad	किसान	m/52	डैसली	[Signature]	
4	Mukesh Kr.	किसान	m/38	डैसली	[Signature]	
5	Prem Ram	किसान	m/74	डैसली		
6	Dipa Devi	गृहणी	F/35	डैसली	[Signature]	
7	Kiran Devi	गृहणी	F/33	डैसली	[Signature]	

DISCUSS WITH PARTICIPANT:-

- 1- कार्यदात्री संस्था / बिज्ञान के लोगों ने गांव सभी डैसली के लोगों को 132/33 के वी. बिजुत उपस्थान के फायदे बताये।
- 2- गाविस के लोगो ने बताया कि कार्य क्षेत्र से छः छी कुं पर पानी का डिस्काव दिन के दो बार लीपा धारदा है परंतु शुष्क दिनों में ज्यादा बरद डिस्काव किया बाक ताकि ज्यादा धुल न उड़े।
- 3- गाविस ने बताया कि अभी खन बाई कंपनी का कार्यवाही आर्थिक कार्य कर रहे हैं वो बहुत मिल जुमला करी है और स्थानीय लोगो का सम्मान करते हैं।

Date :- 01/06/2025
Time :- 8:00 AM



**PUBLIC CONSULTATION AT
132/33 KV GIS LOHAGHAT**



Handwritten signature



PUBLIC CONSULTATION FORM

Uttarakhand Climate Resilient Power System Development Project (PTCUL)

Funded By Asian Development Bank, (Loan no. :- 4402)

Name Of Project	Construction of 132/33 kV GIS Substation lohaghat
Location Of Public Consultation	Lohaghat, Champawat
Date Of Public Consultation	16/06/2025

Topics Discussed with Participants: -

- परियोजना अवलोकन: बिजली सबस्टेशन का उद्देश्य, स्थान और लाभ।
- समयरेखा: अपेक्षित निर्माण अवधि और कार्य घंटे।
- संभावित प्रभाव: शोर, धूल, यातायात व्यवधान और पर्यावरण सुरक्षा उपाय।
- शमन उपाय: असुविधाओं को कम करने के लिए कदम (जैसे, अवरोध, धूल नियंत्रण)।
- रोजगार के अवसर: अकुशल/कुशल श्रमिकों के लिए स्थानीय भर्ती प्राथमिकताएँ।
- शिकायत निवारण: शिकायत कैसे दर्ज करें (जीआरएम अधिकारियों के संपर्क विवरण)।
- प्रश्नोत्तर सत्र: भूमि उपयोग, सुरक्षा और दीर्घकालिक लाभों पर प्रश्नों को संबोधित किया गया।

Attendance and Signature Sheet of Participants: -

S.n	Name Of Person	Occupation	Mob. No.	Address	Signature
1	Niraj Rai	Student	8958111883	Lohaghat	
2	Vivek Rajai	Student		Lohaghat	
3	Pankaj Rai	Shopkeeper		Kaligaran	
4	Jeevan Ram	Farmer	8171812242	Dalsly	
5	Mohun Rai	Farmer	8174067748	Chausi Rai	
6	Hemant Rai	Farmer	9761042111	Chausi Rai	
7					
8					
9					
10					





**PUBLIC CONSULTATION AT DAISLY VILLAGE OF
LOHAGHAT 16/06/2025**



4.5 Khatima (Jan 2025 - June 2025)




PUBLIC CONSULTATION

Rehabilitation and Up-gradation of promoting public private partnership in power transmission Corporation of Uttarakhand Limited (PTCUL)

Name of Project	132/33 KV GIS Substation, Khatima
Location of Public Consultation	Khatima-II (U.S. Nagar)
Date of Public Consultation	17/01/2025

Attendance and Signature Sheet of Participant:-

S. No	Name of Person	Occupation	Sex/Age	Address	Signature
1.	Rupa Devi	Housewife	26	Pakodiya	[Signature]
2.	Manoj Kumar	Housewife	56	"	[Signature]
3.	Anjana Devi	Housewife	24	"	[Signature]
4.	Dev Singh	farmer	57	Pakodiya	[Signature]
5.	Bhup Singh	Businessman	40	"	[Signature]
6.	Raja Gaudin	"	84	"	[Signature]
7.	Dalia Gaudin	"	30	Pakodiya	[Signature]
8.	Suresh Choudhary	"	32	"	[Signature]
9.	Anand Vishwanath	"	28	"	[Signature]
10.	U.K. Sharma	"	41	"	[Signature]

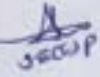
Discussion With Participants:-

Public Consultation meeting Conduct on 17/01/2025 and following point discuss.

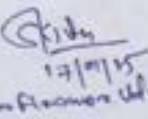
- * There will be no wastage material dump in near by area.
- * There will be no any pollution create during building construction.
- * There will no dirty water dropping at near by Colony Area
- * All the Company Employee are Live with Healthy Relation with Villagers and Local Community.



Manish Sahani
for Flowmore Ltd.



JSCUP



17/01/25
for Flowmore Ltd.



17/01/25
for Flowmore Ltd.





PUBLIC CONSULTATION

Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no: - 4402)

Name of Project	132/33 kV GIS Substation, Khatima
Location of Public Consultation	Khatima
Date of Public Consultation	14/02/25

Discussion With Participants:-

पत्रिले अन्दा ले पानी कि निकासी की कमीत
मेवेला कि जाये -

(i) वार्ड नं. 19 के सभी बायेल पानी तथा बारीक न
पानी को निकास दास करण्ड है हेकर नाल
मे जिला है अन्नी कडुडी वल लेने है पानी
पुरा बल हुवा है उसकी निकासी का रूपायी
नाला करण्ड समाधान सिमा जाय -

(ii) नव निर्मित बिजलीघर मे कर्म बहुत सराहमि है पिसोय होंगे
भापली नही है फुल्टु छो का पानी मे निकासी का अलद मे
अलद निकासी सिमा अलद ।

Attendance and Signature Sheet of Participant:-

S.No.	Name of Person	Occupation	Mob. No.	Address	Signature
1.	उमानंद सिंह	गन्नाखर मशीन	7335172616	कुरीगुडा	Kinda
2.	गोपी बिजान	गन्नाखर	7335172616	कुरीगुडा	Kinda
3.	रिजोय सिंह	कुरीगुडा	8680266798	.	Kinda
4.					
5.					
6.					
7.					
8.					
9.					
10.					

Kinda
Manish Sharma







PUBLIC CONSULTATION

Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no: - 4402)

Name of Project	132/33 kV GIS Substation, Khatima
Location of Public Consultation	Khatima (Samik Colony)
Date of Public Consultation	21/2/25

Discussion With Participants:-

- ① गांव के बिजुली के मर निराम कार्य से हमें सुविधा मिली है किन्तु हमारे घरों के पानी के निराम के लिए हमें नाला बनाकर पानी के निराम का समाधान दिया जाए
- ② कम्पनी के द्वारा किया गया कार्य सहायीय है
- ③ कम्पनी के द्वारा किया गया निराम कार्य से किसी प्रकार की प्रदुषण नहीं फैल रहा है
- ④ कम्पनी प्रदुषण नियंत्रण के (जल, वायु, हवनि) उपाय समय-समय से कर रहे हैं

Attendance and Signature Sheet of Participant:-

S.No.	Name of Person	Occupation	Mob. No.	Address	Signature
1.	Kamran Singh	Student	9389604044	Khatima	[Signature]
2.	Jayashree Joshi	"	6396489031	"	Jayashree Joshi
3.	Nitin Singh	"	9505348126	"	Nitin Singh
4.	Mehna Khandelwal	Housewife	9017096047	"	[Signature]
5.	Durga Devi	"	9359495444	"	[Signature]
6.	Mahesh			"	[Signature]
7.	Kamlesh			"	
8.					
9.					
10.					





PUBLIC CONSULTATION

Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no: - 4402)

Name of Project	132/33 kV GIS Substation, Khatima
Location of Public Consultation	Khatima-II (U.S. Nagar)
Date of Public Consultation	13/04/2023

Discussion With Participants:-

- * नम निर्माण विज्जनी घर निर्माण कार्य बहुत अच्छे से हो रहा है। जो जिन घरों बहुत खुशी है फ्रेंड गणेशों के बीच से जो ठोसपानी माला है जिनका कालोनी का फनी निकलता है उसे स्थायी बनाते कि क्या को जिनसे हमें आनंद वाने समय के जिली प्रकाश कि किन्से का समझा न कराना पड़े।
- * कम्पनी के सभी कर्मचारी अच्छे व्यवहार के हैं और वे परामर्श के अच्छे तरीके से जिन हर समाज प्रकाश समझ-समझ पर कराने रहते हैं।

Attendance and Signature Sheet of Participant:-

S.No.	Name of Person	Occupation	Mob. No.	Address	Signature
1.	अमर सिंह	अध्यापक	933122660	पार्ट नं. 19	[Signature]
2.	राजेश कुमार	दुकानदार	9300922663	पंचरिया	[Signature]
3.	अपराजित सिंह	ग्रामीण	945667666	"	[Signature]
4.	दिलीप सिंह	ग्रामीण	9456625442	"	[Signature]
5.	नारायण सिंह	ग्रामीण	983409644	"	[Signature]
6.	अमित सिंह	"	991165222	"	[Signature]
7.					
8.					
9.					
10.					



Public Consultation at 132/33 kV GIS S/s khatima-II Site
Dated:28/05/2025



M
JALP





Uttarakhand Climate Resilient Power System Development Project (PTCUL)
Funded By Asian Development Bank, (Loan no: - 4402)

Name of Project	132/33 kV GIS Substation, Khatima-II
Location of Public Consultation	Phankaya Daga and Palandya
Date of Public Consultation	20.05.2018

* नगरजीवि विद्युत गृह का जौनह निमन विद्युत गृह जहाँ पा स्टाफ के
- दोपरी अफिस जो सुनोस बुना, यहाँ अन्य स्टाफ के लिये मॉड्यु प्रिले निमने
- उभा कार्य विजे जते में सुखा हक्कियर एवं अन्य निमोषी विद्युत गृह के बो में
- भावारी दी गयी. - सत्री जो वाछरी और से निमालर (उम्याकुन, सेवह)
- व्यभि-ने सस्थापन, पुष्टि वीरिफिकेज के सुम्बन्ध में भावारी दी गयी.
- एवं किनी मॉरिष एवं उम्याप व्यभि के निमा is, वेंच प्रभापन एवं
- शक्ती के ननिर्मोषी सुन पा, जो न देवे एवं सुनि के धारीत कये
- के सम्बन्ध में निमा निदिया हैं. निमपत दी गयी.

* सुनीलो द्वाय यह क्वात्रा जमा के वाचरी के वषह से हल
- फाया गावियों के अलावा है गिरी मिट्टी रोड है. निमने निमने के वषह
- दाने दाने के निमने है. यही है कम्पनी के हल तन्मन प्रभापन में
- रोड से गिरी मिट्टी, एरन्ड रोड मुरदा के, देका दूरे रोड नि
- लाफाई कराई गई जिले शाक निमने से प्रेशारी में है.

S.No.	Name of Person	Occupation	Mob. No.	Address	Signature
1.	Omard Jodi	Asst Police	8446836537	Police station	[Signature]
2.		Defendant		Thakurga	
3.	Panchu Singh	manager	99279209	Thakurga	[Signature]
4.		person			
5.	Kausin Bhett	Thakurga	9720002884	Thakurga	[Signature]
6.	Manikumar poudel	Thakurga	954039911	Thakurga	[Signature]
7.	Somero	worker		Thakurga	
8.	Atan		6397092426		[Signature]
9.	Sagar		6396535157		[Signature]
10.					

$$\frac{1}{2} E(C) R$$

[Handwritten signatures and stamps]

Annexure 5.1 Selaqui (Jan 2025 - Jun 2025)



The image shows a section of a white corrugated metal wall. On the left, there is a window with a blue frame and a white security shutter. Below the window, a red electrical meter box is mounted on the wall, with various wires connected to it. To the right of the meter box, a large, colorful poster is affixed to the wall. The poster contains text in Hindi and English, including a title 'EMERGENCY PROJECTS INFO CONTACT DETAILS' and a table with contact information for various services like Police Station, Fire, Hospital, and Power.

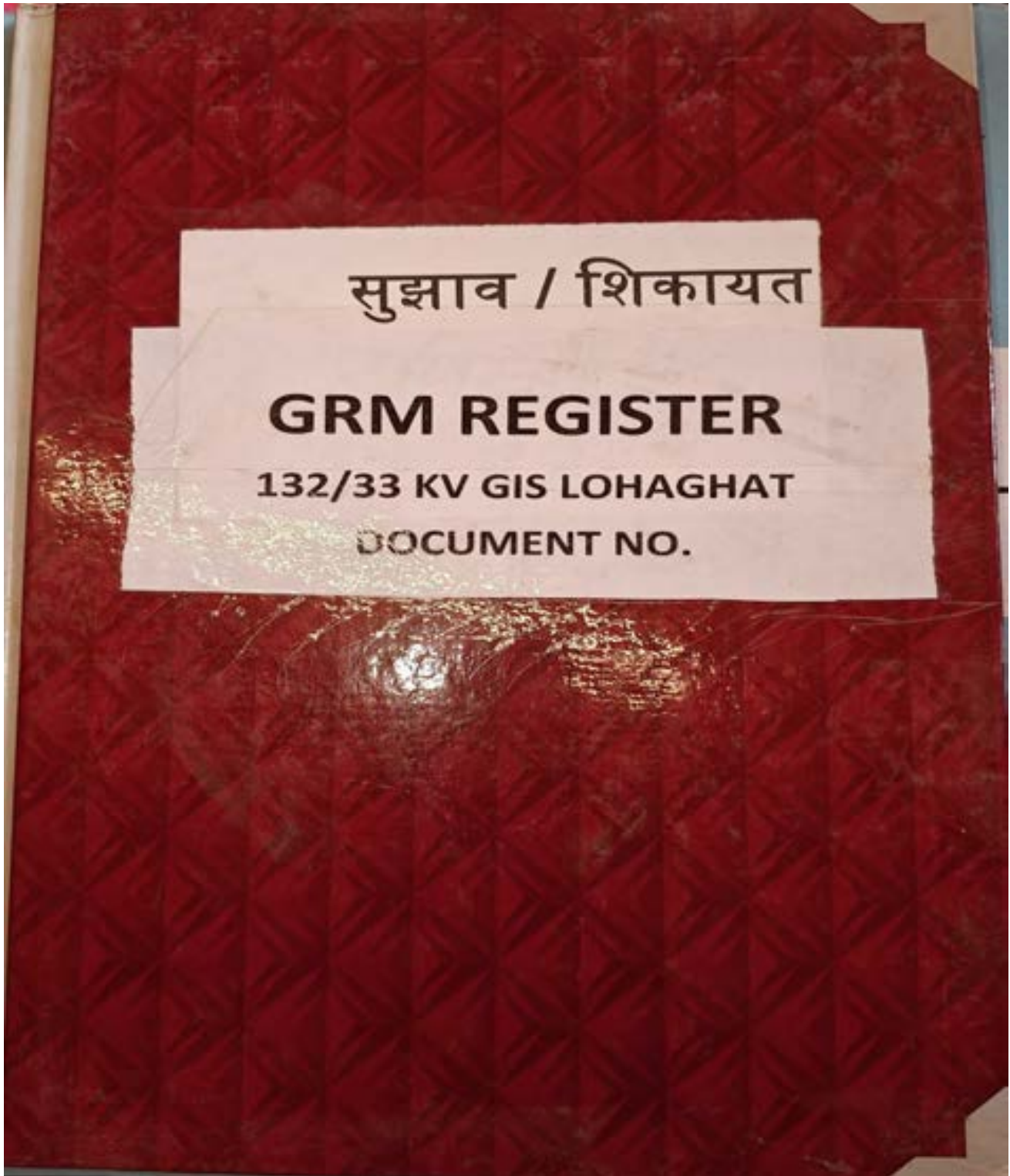
Date: 01 Page: 25/05/20					Date: 02 Page: 26/05/20				
NAME OF COMPANY: M/S. HANDEK 53 NAME OF SITE: CHAKHAR-53/23 TO 25 DISTRICT: JALANDHAR					NAME OF COMPANY: M/S. HANDEK 53 NAME OF SITE: CHAKHAR-53/23 TO 25 DISTRICT: JALANDHAR				
SERIAL NO.	TYPE OF COMPLAINT	DATE OF COMPLAINT	DATE OF RECORD	DATE OF RESOLUTION	SERIAL NO. OF COMPLAINT	DATE OF COMPLAINT	DATE OF RECORD	DATE OF RESOLUTION	
NO ANY COMPLAINT AT					this month				

Date: 07 Page: 2004/25					Date: 07 Page:				
NAME OF CONTRACTOR: M/S. FORTUNE 1st NAME OF THE WORKING: ROADS IN SITE ROBOTICALLY MEASUREMENT					MONTH: APRIL 2015 NAME OF CASE: P-1754 (PDR)				
SR NO	TYPE OF COMPLAINT	TYPE OF COMPLAINT	DATE OF RECORD	NUMBER OF COMPLAINT	CASE NO. OF WORKING	SUMMARY OF COMPLAINT	ACTION TAKEN	STATUS OF COMPLAINT	REMARKS
NO ANY COMPLAINT AT					this Month				

Date: 24/5 Page: 5				Date: 24/5 Page: 6				
Name of complainant: - (How name list) Name of the location: - (How location name)				Month: May 2025 Name of the P.O. (How)				
Sl. No.	Name of complainant	Type of complaint	Date of receipt	Name of officer	Name of P.O.	Name of complainant	Name of officer	Name of P.O.
NO COMPLAINTS RECEIVED								
THIS MONTH								
— X ————— X ————— X ————— X —————								

S. No.	Title of Complaint	Type of Complaint	Date of Receipt	Name of Plaintiff	Contact No. of plaintiff	Summary of Complaint	Action Taken	Status of Complaint	Notes/Comments
Name of Contractor: M/s. Elavara Ltd.					Month → May → 2025				
Name of Site Location: 132/33 KV GIS, Sthaulakhera					Name of Client → PTCUL (A&B)				
There were No Complaints this month.									

5.4 Lohaghat (Jan 2025 - Jun 2025)



132/33 KV GIS LOHAGHAT
 Grievance Registration Form

En. L.M. Bisht — En. Incharge PTCUL-708317419.
~~Superintendent~~ — Pr. Manager, PTCUL-708317419.
 Superintending Engineer

S.N.	Title of Complaint	Type of Complaint	Date/Month Received	Name of Plaintiff	(Contact details) Summary of plaintiff of Complaint	Action Taken	Status of Complaint	Notes/Comments
1.								
June 24	NIL							
July 24	NIL							
August	NIL							
Sep 24	NIL							
OCT 24	NIL							
NOV 24	NIL							
DEC 24	NIL							
JAN 25	NIL							
FEB 25	NO GRM							
MARCH 25	NO GRM							
APRIL 25	NO GRM							
MAY	NO GRM							
June 25	No Complaints							

PTCUL-708317419



5.5 Khatima-II (Jan 2025 – June 2025)

GRM

Name of Complainant: M/S. Bhawana Ltd.
 Name of Site Location: 122/39 KV A/S. Khatima

Month: Jan 2025
 Name of Client: PTCW (ASB)

S.No.	Title of Complaint	Type of Complaint	Date of Receipt	Name of Plaintiff	Category of Plaintiff	Category of Complaint	Action Taken	Status of Complaint	Inter-Complaint
No Any Complaint at this Month									

also
 HECW



Annexure 6 : Safety Sign Boards / Safety Barricades At Site
6.1 Selaqui (Jan 2025- Jun 2025)



6.2 Araghar (Jan 2025-Jun 2025)





Labours equipped with proper safety gear



6.3 Dhaulakhera (From Jan 2025- Jun 2025)



6.4 Lohaghat (Jan 2025- Jun 2025)



6.5 Khatima-II(Jan 2025 - Jun 2025)



Annexure 7 : Training At Site
7.1 Selaqui (Jan 2025 - Jun 2025)

	Emergency and Safety Training		Document No. FMS/ESH/			
			Issue No.	ST	Rev. No.	
			Issue Date		Rev. Date	
			Page No.	1		
Name of Site / Location		220/33 KV Gas SIS Selaqui				
Name of Company / Contract Agency		Flemore Ltd.	Date: 04.06.25			
Issued by		Pankaj Kumar	Designation: Safety Officer			
Topics covered: Fire Training.						
EHS Policy		Tools & Plants				
Emergency Preparedness (assembly point, evacuation process, contact person, etc)		Incident reporting (deviations, near miss, lost time)				
Roles & responsibility		Working at height				
Personal protective equipment		Hot work (welding, cutting, grinding)				
Hazards		Fire fighting				
Lifting equipment		Electrical safety				
Mock drill		Earthquake				
Other		Other				

S. No.	Name	Designation	Sign
1	Rahul	L	रिहल
2	Bablu	L	बबलु
3	Sabri's ali	M	Sabri Ali
4	Pawan	M	पवन
5	Rohit	L	रोहित
6	Devendra	L	देवेंद्र
7	Rajesh	H	राजेश
8	Naseem	M	नासीम
9	Veerpal	M	वीरपाल
10	Veeresh	H	वीरेश
11	Anish	M	अनिश
12			
13			
14			
15			

04.06.25



Pankaj
04.06.25



Pankaj
04.06.25



P. Gopal
15-06-24

Tool Box Talk

 FLOWMORE <i>Please Run Safe</i>	TOOL BOX TALK		Document No.		
			Issue No.		Rev. No. 00
			Issue Date	02/05/25	Rev. Date
			Page No.		

Name of Site / Location :-		132/33 KV GIS LOHAGHAT	
Name of Company / Contract Agency :-		M/S FLOWMORE LTD	Date 02/05/25
TBT given by :-		JANE ALAM	DESIGNATION - SAFETY OFFICER

Today's work: *R/W shuttering, steel binding, & cutting, CRB 7 35KV CRB Reinforcement*

Men: • Required Man power (Actual) • PPE Adherence (Safety Shoes, Helmet, Full body harness, Fluorescent jacket, Hand gloves etc.) • Age/Health Condition of everyone • Winch operator (Authorization) • Fitters/Height pass • Safety Marshal/Steward • Drivers & Authorization • Others	Machine: • T&P Condition • Winch M/C condition • Guy ropes condition • Wire rope sling condition • Others
Material: • Availability of required material • Safety material • T&P • Tower parts • Others	Method: • How the work will be executed? • Hazards & Risk involved at each step of work • Permit to work • Others
Bad Environmental Condition: • High temp (>45°C) • Rain • Heavy wind • Other conditions not suitable for work (Lone work is prohibited)	Emergency: • Emergency Vehicle • Assembly Area • Nearest hospital • ERT at site & understanding • Rescue kit at site • First Aid kit

Others: *Sharing of any past incident/Good practices relevant to the activity to be performed.*

Site specific requirements/issues:

Please specify: (Fitters- F, Winch Operator- W/O, Helper- H, Labor- L, Gang leader- G, Steward- S, Driver- D) along with the name

S.N	Name and Designation		Sign	S. No.	Name and Designation		Sign
1	SHAHAB KHAN	S/MESON	<i>Shahab</i>	11	WASIM	LABOUR	<i>Wasim</i>
2	GUREPAD	S/MESON	<i>Gurepad</i>	12	RAJU	LABOUR	<i>Raju</i>
3	MAHAVEER	MESON	<i>Mahaveer</i>	13	SHEELU MATTRA	LABOUR	<i>Sheelu</i>
4	VISHAL	LABOUR	<i>Vishal</i>	14	RAJEEV PATEL	LABOUR	<i>Rajeev</i>
5	ANKUR	LABOUR	<i>Ankur</i>	15	EKTA	LABOUR	<i>EKTA</i>
6	RAHUL	LABOUR	<i>Rahul</i>	16	VIJAY PAL	LABOUR	<i>Vijay</i>
7	JISHAN	MESON	<i>Jishan</i>	17	DINESH RANA	LABOUR	<i>Dinesh</i>
8	BAHU	MESON	<i>Bahu</i>	18	KARAN	MESON	<i>Karan</i>
9	VINOD	LABOUR	<i>Vinod</i>	19	MOHAN GUPTA	LABOUR	<i>Mohan</i>
10	VEER SINGH	LABOUR	<i>Veer</i>	20	HRJESH	LABOUR	<i>HRJESH</i>

Araghar (Jan 2025 - Jun 2025)

Environmental health & Safety Training		Document No. 794/EHS/	
		Issue No. 01	Rev. No. 00
		Issue Date	Rev. Date
		Page No. 1	
Site / Location :			
Company / Contract 132/33 KV GIS substation, Araghar			
given by: Asadul Karim		Date: 15/04/25	
Environment			
No.	Name	Designation	Sign
1.	Anil Kumar	Mezan	Anil
2.	Gaoubar Kumar	Mezan	Gaoubar Kumar
3.	Ravi Kumar	Helper	Ravi Kumar
4.	Sangam	Helper	Sangam
5.	Sagar	M	Sagar
6.	Rashid	L	Rashid
7.	Raj Kumar	L	Raj Kumar
8.	Dinesh Varrogi	M	Dinesh
9.	Mahendra	M	Mahendra
10.	Deepak	H	Deepak
11.	Sanku	H	Sanku
12.	Aman	L	Aman
13.	Arun	M	Arun
14.	Sanjiv	L	Sanjiv
15.	Ashish	L	Ashish
16.	Pankaj	H	Pankaj
17.	Rakesh Kumar	Mezan	Rakesh Kumar
18.	Charinath	Helper	Charinath
19.	Arund Kumar	Mezan	Arund Kumar
20.	Rajesh	L	Rajesh

Asadul Karim 15/4/25



ELECTRIC SHOCK MOCK DRILL TRAINING

Name of Site / Location:	132/132 KV GIS S/S Anandpur		
Name of Company / Contract Agency:	FLOWMORE LTD.	Date:	13/05/2025
Induction given by:	Pankaj Kumar	Designation:	Safety Officer

Topics covered:

- सुरक्षा प्रक्रियाएँ: बिजली स्रोतों को बंद करने जैसी विद्युत आपात स्थितियों पर सुरक्षित रूप से प्रतिक्रिया करने के लिए प्रोटोकॉल।
- प्रतिक्रिया प्रोटोकॉल: किसी को बिजली का झटका लगने पर उठाए जाने वाले कदम, जिसमें मदद के लिए कॉल करना और देखभाल प्रदान करना शामिल है।
- प्राथमिक चिकित्सा: बिजली की चोटों के लिए बुनियादी देखभाल, जैसे सीपीआर और घाव का उपचार।
- विद्युत सुरक्षा उपकरण: इंसुलेटेड दस्ताने और सुरक्षा चश्मे जैसे गियर का उचित उपयोग।
- खतरे की पहचान: संभावित विद्युत खतरों को पहचानना, जैसे उजागर तार या अतिभारित सर्किट।

S. No.	Name	Designation	Sign
1	Anil	Steel fiter	Anil
2	Crautom Kumar	Steel fiter/welder	Crautom Kumar
3	Crautom II	Carpenter	Crautom
4	Anil Kumar II	Carpenter	अनिल कुमार
5	Amit	Carpenter	Amit
6	Saurav	Helper	सुरज
7	Udit	Helper	उदीत
8	Aman	Steel fiter	Aman
9	Lalji	Helper	Lalji Kumar
10	Mithun	Carpenter	Mithun
11	Anur	Helper	अनुर
12	Ravi	Steel fiter	Ravi
13	Arvind	Steel fiter	Arvind
14	Crautom	Steel fiter	Crautom
15	Adarsh	Helper	आदर्श



ELECTRIC SHOCK TRAINING & MOCK DRILL









FIRE MOCK DRILL TRAINING

Name of Site / Location:	132/33 kV GIS S/S Araghar		
Name of Company / Contract Agency:	Flowmore LTD	Date:	13/05/2025
Induction given by:	Pankaj Kumar	Designation:	Safety Officer
Topics covered:			

- आग की रोकथाम और सुरक्षा: आग के खतरों, जोखिम मूल्यांकन और निवारक उपायों को समझना।
- अग्निशामक यंत्र संचालन: अग्निशामक यंत्र के प्रकार, उपयोग और रखरखाव।
- निकासी प्रक्रियाएँ: आपातकालीन निकास मार्ग, असेंबली पॉइंट और रोल-कॉल प्रक्रियाएँ।
- फायर अलार्म और डिटेक्शन सिस्टम: अलार्म प्रकार, प्रतिक्रिया प्रोटोकॉल और सिस्टम रखरखाव को समझना।
- अग्निशमन तकनीक: आग बुझाने के पाइप, कंबल या अन्य उपकरणों का उपयोग करना।
- आपातकालीन प्रतिक्रिया योजना: अग्नि आपातकालीन योजनाओं का विकास और कार्यान्वयन।
- खतरनाक सामग्री प्रबंधन: ज्वलनशील या खतरनाक पदार्थों को संभालने की प्रक्रियाएँ।
- फायर ड्रिल और सिमुलेशन अभ्यास: निकासी और प्रतिक्रिया प्रक्रियाओं का अभ्यास करना।
- प्राथमिक चिकित्सा और बचाव: जलने और चोटों के लिए बुनियादी प्राथमिक चिकित्सा।
- नियामक अनुपालन: स्थानीय अग्नि सुरक्षा नियमों और मानकों को समझना।

S. No.	Name	Designation	Sign
1	Anil	Steel Fitter	Anil
2	Goutam Kumar	Steel Fitter/Welder	Goutam Kumar
3	Goutam D	Carpenter	Goutam
4	Anil Kumar D	Carpenter	अनिल कुमार
5	Amrit	Carpenter	Amrit
6	Suraj D	Helper	सुरज
7	Udit	Helper	उदित
8	Aman	Steel Fitter	Aman
9	Lalji	Helper	Lalji
10	Mithun	Carpenter	Mithun
11	Anuj	Helper	अनुज
12	Ravi	Steel Fitter	रवी
13	Arvind	Steel Fitter	Arvind
14	Gouind	Steel Fitter	Gouind
15	Nashu	Helper	नाशु



FIRE TRAINING & MOCK DRILL



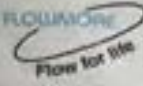
	FIRE TRAINING		Document No.			
			Issue No.	01	Rev. No.	00
			Issue Date		Rev. Date	00-00-00
			Page No.	1		

Name of Site / Location:	132/33 KV GIS Substation, Angla		
Name of Company / Contract Agency:	D.S. Infra / Astha Ltd	Date:	23/05/2025
Induction given by:	Pankaj Kumar	Designation:	Safety Officer
Topics covered:			

- आग की रोकथाम और सुरक्षा: आग के खतरों, जोखिम मूल्यांकन और निवारक उपणों को समझना।
- अग्निशामक यंत्र संचालन: अग्निशामक यंत्र के प्रकार, उपयोग और रखरखाव।
- निकासी प्रक्रियाएँ: आपातकालीन निकास मार्ग, असेंबली पॉइंट और रोल-कॉल प्रक्रियाएँ।
- फायर अलार्म और डिटेक्शन सिस्टम: अलार्म प्रकार, प्रतिक्रिया प्रोटोकॉल और सिस्टम रखरखाव को समझना।
- अग्निशमन तकनीक: आग बुझाने के फाइप, कंबल या अन्य उपकरणों का उपयोग करना।
- आपातकालीन प्रतिक्रिया योजना: अग्नि आपातकालीन योजनाओं का विकास और कार्यान्वयन।
- खतरनाक सामग्री प्रबंधन: ज्वलनशील या खतरनाक पदार्थों को संभालने की प्रक्रियाएँ।
- फायर ड्रिल और सिमुलेशन अभ्यास: निकासी और प्रतिक्रिया प्रक्रियाओं का अभ्यास करना।
- प्राथमिक चिकित्सा और बचाव: जलने और चोटों के लिए बुनियादी प्राथमिक चिकित्सा।
- नियामक अनुपालन: स्थानीय अग्नि सुरक्षा नियमों और मानकों को समझना।

S. No.	Name	Designation	Sign
1	Arun Kumar	Carpenter M	Arun Kumar
2	Amit	Carpenter M	Amit
3	Anil	Carpenter M	Anil
4	Mithun	Carpenter M	Mithun
5	Arvind	Steel Fitter M	Arvind
6	Sahil	Helper	Sahil
7	Aman	Steel Fitter M	Aman
8	Chaitan Kumar	Steel Fitter M	Chaitan K.
9	Suresh	Helper	Suresh
10	Karishma	Helper	Karishma
11	Amit	Helper	Amit
12	Chaitan Kumar	Steel Fitter/Welder	Chaitan Kumar
13	Lakshmi Kumar	Helper	Lakshmi Kumar
14	Sandeep Kumar	Supervisor	Sandeep Kumar
15	Ankur Kumar	Engineer	Ankur Kumar



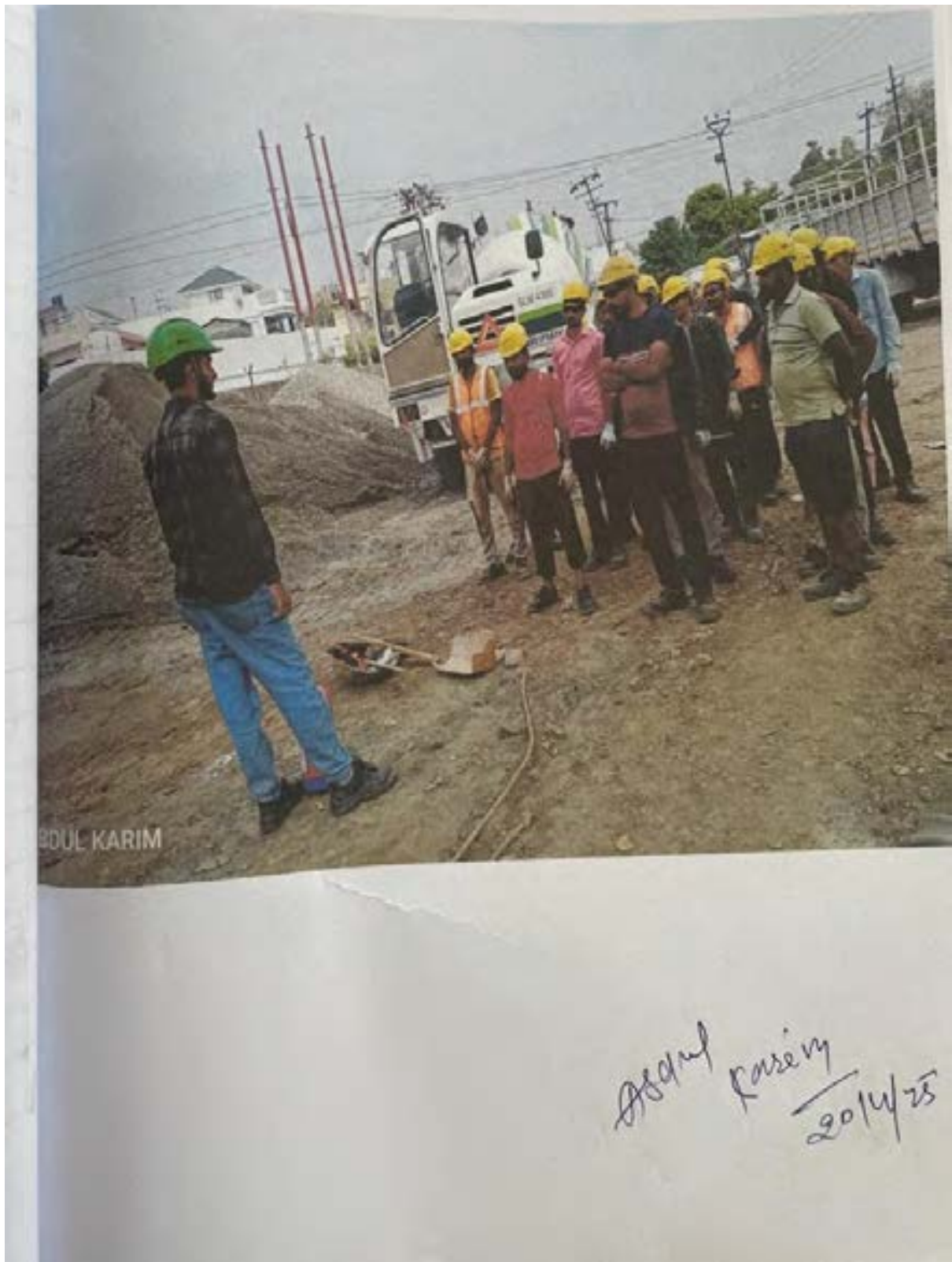
	HEALTH & HYGIENE TRAINING		Document No.			
			Issue No.	01	Rev. No.	00
			Issue Date		Rev. Date	00-00-00
			Page No.	1		

Name of Site / Location:	132/23 KV GIS Substation Angkor		
Name of Company / Contract Agency:	DS Africa / Hatha Ent	Date:	28/05/2025
Induction given by:	Pankaj Kumar	Designation:	Safety Officer

- Topics covered:**
- व्यक्तिगत स्वच्छता प्रथाएँ: हाथ धोना, स्नान करना और व्यक्तिगत सुरक्षा उपकरण (पीपीई) का उचित उपयोग।
 - संक्रमण नियंत्रण: संक्रामक रोगों को समझना और उनके प्रसार को रोकना।
 - खाद्य सुरक्षा: उचित भोजन प्रबंधन, भंडारण और तैयारी तकनीक।
 - जल सुरक्षा और स्वच्छता: सुरक्षित पेयजल प्रभाव और उचित अपशिष्ट निपटान।
 - कार्यस्थल की स्वच्छता: स्वच्छ और व्यवस्थित कार्य वातावरण बनाए रखना।
 - खतरनाक पदार्थों की हैंडलिंग: रसायनों और अन्य खतरनाक सामग्रियों की सुरक्षित हैंडलिंग और निपटान।
 - स्वास्थ्य जोखिम और रोकथाम: सामान्य स्वास्थ्य जोखिम और निवारक उपायों को समझना।
 - प्राथमिक चिकित्सा और आपातकालीन प्रतिक्रिया: बुनियादी प्राथमिक चिकित्सा तकनीक और चिकित्सा आपात स्थिति पर प्रतिक्रिया।
 - टीकाकरण और प्रतिरक्षण: बीमारियों की रोकथाम में टीकाकरण का महत्व और लाभ।
 - स्वास्थ्य संवर्धन और कल्याण: स्वस्थ व्यवहार और जीवनशैली विकल्पों को प्रोत्साहित करना।

S. No.	Name	Designation	Sign
1	Arun Kumar	Carpentari	Arun Kumar
2	Anit	Carpentari	Anit
3	Anil	Carpentari	Anil
4	Mithun	Carpentari	Mithun
5	Arvind	Steel Fiter	Arvind
6	Sahil	Helpar	Sahil
7	Aman	Steel Fiter	Aman
8	Arvind	Steel Fiter	Arvind k
9	Surat	Helpar	Surat
10	Kurbaan	Hel part	Kurbaan
11	Anur	Hel part	Anur
12	Chaitan Kumar	Steel Fiter/welder	Chaitan Kumar
13	Lalji Kumar	Hel part	Lalji Kumar
14	Sanjay Kumar	Supervisor	Sanjay
15	Ankur Kumar	Engineer	Ankur







TOOL BOX TALK



FIRE Trainings and Mockdrills



SAFETY TRAINING



ELECTRIC SHOCK MOCKDRILL

7.3 Dhaulakhera (Jan 2025- Jun 2025)

 Please use this	TOOL BOX TALK		Document No.	
	Issue No.	01	Rev. No.	00
	Issue Date		Rev. Date	00-00-00
	Page No.	1		

Name of Site / Location :	132/35 KV GIS S/S Dhaulakhera		
Name of Company / Contract Agency :	M/S Plottmore Htd	Date:	10/06/25
TBT given by:			

Today's work:			
<u>Men:</u>	- Required Man power/Actual - PPE Adherence (Safety Shoes, Helmet, Full body harness, Fluorescent jacket, Hand gloves etc.) - Age/Health Condition of everyone - Winch operator/Authorization - Fitters/Height pass - Safety Marshall/Steward - Drivers & Authorization - Others	<u>Machine:</u>	- T&P Condition - Winch M/C condition - Guy ropes condition - Wire rope sling condition - Others
<u>Material:</u>	- Availability of required material - Safety material - T&P - Tower parts - Others	<u>Method:</u>	- How the work will be executed? - Hazards & Risk involved at each step of work - Permit to work - Others
<u>Bad Environmental Condition:</u>	- High temp (>45°C) - Rain - Heavy wind - Other conditions not suitable for work (Lone work is prohibited)	<u>Emergency:</u>	- Emergency Vehicle - Assembly Area - Nearest hospital - ERP at site & understanding - Rescue kit at site - Stretcher

Others: Sharing of any past incident/Good practices relevant to the activity to be performed.

Site specific requirements/issues:

Please specify: (Fitters- F, Winch Operator- W/O, Helper- H, Labor- L, Gang leader- G, Steward- S, Driver- D) along with the name

S. No.	Name and Designation	Sign	S. No.	Name and Designation	Sign
1	राजकुमार		11		
2	किनीप		12		
3	मविश		13		
4	मिनेश		14		
5	हानीराम		15		
6			16		
7			17		
8			18		
9			19		
10			20		

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Space for Site

HSE TRAINING MODULE

Name of Site / Location :

132/33 KV GIS SUBSTATION DHALAJAHERA

Trainer & Designation

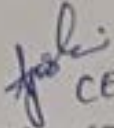
Date: 10/06/25

Training Topic:-

Shuttring work

Description of Training:-

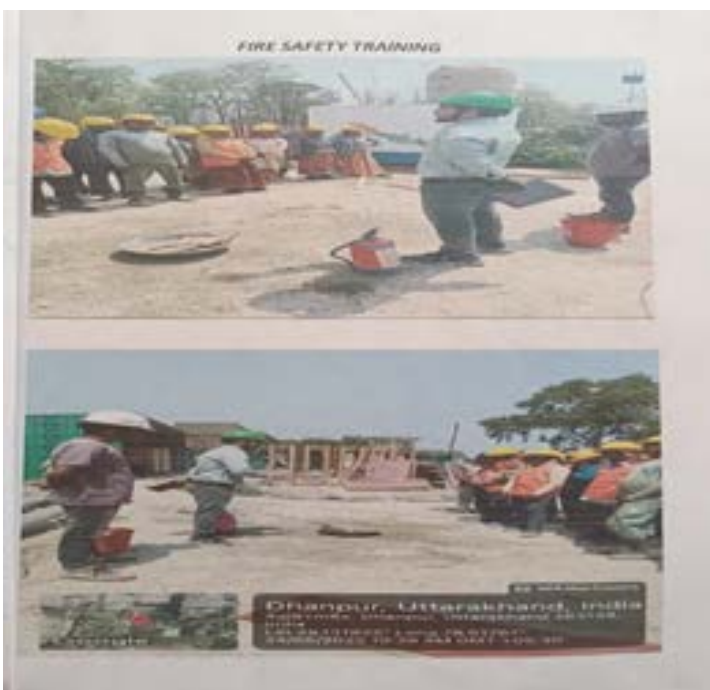
इस बॉक्स ट्रेनिंग में बटरिंग की सुरक्षा और दक्षता पर
महती की गई। मुख्य बिन्दु PPE का उपयोग, कॉर्मवर्क की
सही स्थापना, जोखिमों (गिरना, टटना) की पहचान और
पुनर्वस्था नियंत्रण। टीमवर्क, साफ सफाई और साइट
सुरक्षा नियमों के पालन पर जोर दिया गया।


(CESO)
Signature of Trainer

	FIRE TRAINING	Document No.	FHS/ESH/		
		Issue No.	01	Rev. No.	00
		Issue Date		Rev. Date	
		Page No.	1		

Name of Site / Location :	132/33 KV GDS s/s Dhaulakhera		
Name of Company / Contract Agency:	mp Plocumore Ltd.	Date:	24/05/25
Issued by:	Anshesh Joshi		

S. No.	Name	Designation	Sign
1.	श्रीजीता		Shiriji
2.	नेत्रपाल		नेत्रपाल
3.	राजिभ		राजिभ
4.	राजकुमार		RAJKUMAR
5.	अमर अली		
6.	पर्वता		Parvata Bibl
7.	अमित		Amit
8.	गजपति		
9.	आवेद अली		
10.	हफीजुल		Hafizul
11.	हलीमा		
12.	राहिला		
13.	सोहन	सोहन	
14.	हमीराम		हमीराम
15.	राजेश		राजेश
16.			
17.			
18.			
19.			
20.			



 TOOL BOX TALK	Document No.			
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	Issue Date		Rev. Date	00-00-00
	Page No.	1		

Name of Site / Location :	132/33 KV QTS Dhaulakhora		
Name of Company / Contract Agency :	M/s. Pleasure Ltd.	Date:	14/06/25
TBT given by:	Anshesh Joshi (ESO)		

Today's work:	
Man: - Required Man power/Actual - PPE Adherence (Safety Shoes, Helmet, Full body harness, Fluorescent jacket, Hand gloves etc.) - Age/Health Condition of everyone - Winch operator/Authorization - Fitters/Height pass - Safety Marshal/Steward - Drivers & Authorization - Others	Machine: - T&P Condition - Winch M/C condition - Guy ropes condition - Wire rope sling condition - Others
Material: - Availability of required material - Safety material - T&P - Tower parts - Others	Method: - How the work will be executed? - Hazards & Risk involved at each step of work - Permit to work - Others
Bad Environmental Condition: - High temp (>45°C) - Rain - Heavy wind - Other conditions not suitable for work (Lone work is prohibited)	Emergency: - Emergency Vehicle - Assembly Area - Nearest hospital - ERP at site & understanding - Rescue kit at site - Stretcher

Others: Sharing of any past incident/Good practices relevant to the activity to be performed.

Site specific requirements/issues:

Please specify: (Fitters- F, Winch Operator- W/O, Helper- H, Labor- L, Gang leader- G, Steward- S, Driver- D) along with the name

S. No.	Name and Designation	Sign	S. No.	Name and Designation	Sign
1	राहुल	राहुल	11	अम	
2	आकाश	आकाश	12		
3	प्रभु	प्रभु	13		
4	सिता		14		
5	शुशीला देवी		15		
6	पेम सिंह		16		
7	पेमपाल		17		
8	नरुपाल		18		
9	वीरपाल		19		
10	गीता देवी		20		



HSE TRAINING MODULE

Name of Site / Location :

132/33 KV GIS SUBSTATION CHALAKHERA

Name of Trainer & Designation

Arundesh Joshi (ESO) Date:

Training Topic:-

Stonework

Description of Training:-

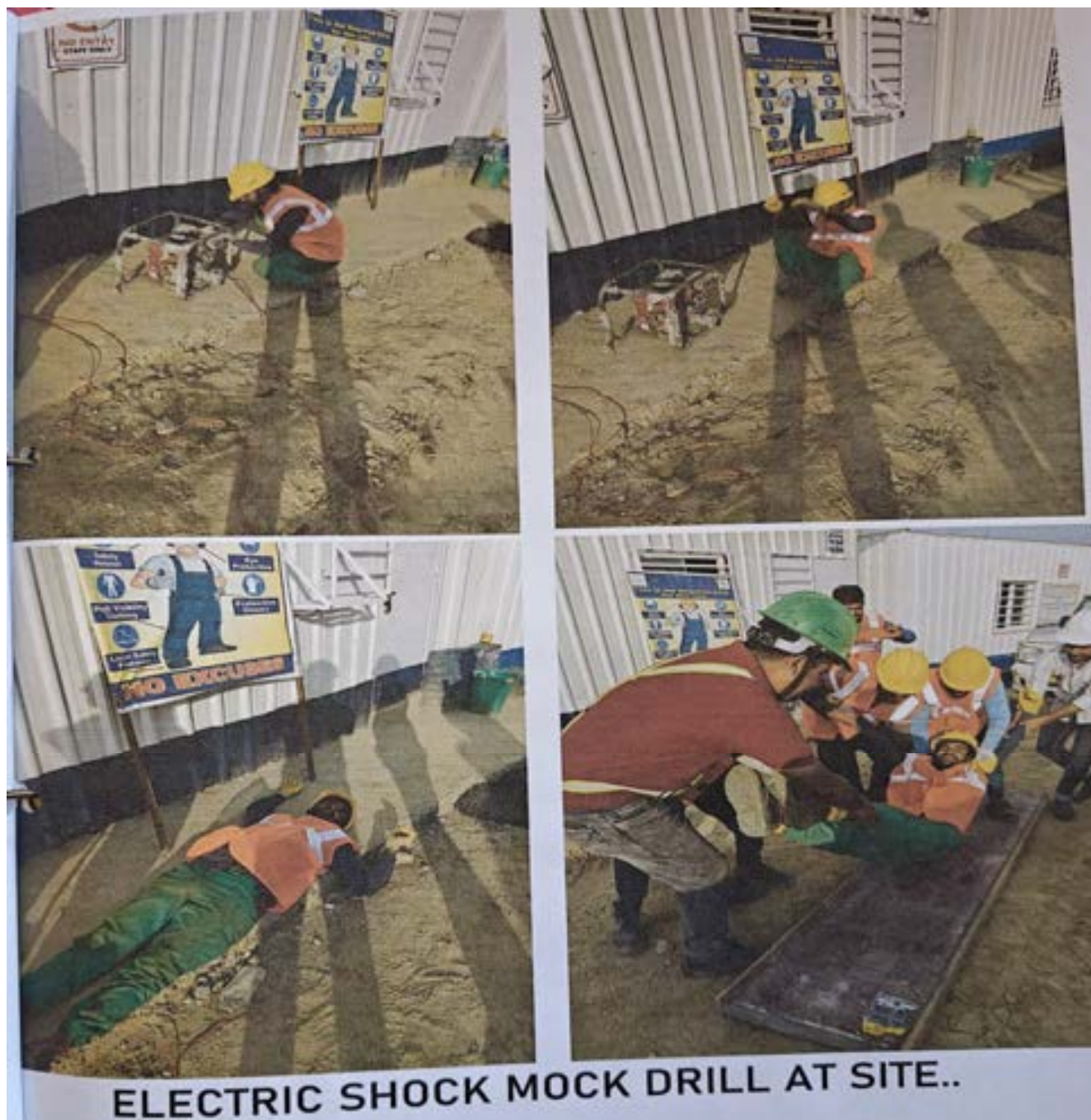
निर्माण स्थल पर पत्थर के कार्य (Stonework) से सम्बंधित हल ऑक्स-ट्रेनिंग आयोजित की गई, इस प्रशिक्षण में पत्थर काटने, ढोने और लगाने की सुरक्षित तकनीकों, व्यक्तिगत सुरक्षा उपकरणों (PPE) के उपयोग, कार्यस्थल पर सम्भावित खतरों और उनकी रोकथाम के बारे में विस्तार से चर्चा की गई, सभी कर्मियों को सुरक्षित कार्य प्रथाओं का पालन करने और दुर्घटनाओं से बचने के लिए आकरक किया गया।


(ESO)

Signature of Trainer

Lohaghat (Jan 2025 - Jun 2025) Electrocution Training

[illegible]



Fire Training

	FIRE TRAINING		Document No.			
			Issue No.		Rev. No.	00
			Issue Date	30/04/25	Rev. Date	
			Page No.			

Name of Site / Location :-		132/33 KV GIS LOHAGHAT	
Name of Company / Contract Agency :-		M/S FLOWMORE LTD	Date 30/04/2025
TBT given by :-		JANE ALAM	DESIGNATION :- SAFETY OFFICER

Today's work: *Fire training given to workers in Emergency Case.*

Men: - Required Man power (Actual) - PPE Adherence (Safety Shoes, Helmet, Full body harness, Fluorescent jacket, Hand gloves etc.) ✓ - Age/Health Condition of everyone - Winch operator/Authorization - Fitters/Height pass - Safety Marshall/Steward ✓ - Drivers & Authorization - Others	Machine: - T&P Condition - Winch M/C condition - Guy ropes condition - Wire rope sling condition - Others
Material: - Availability of required material ✓ - Safety material ✓ - T&P ✓ - Tower parts - Others	Method: - How the work will be executed? - Hazards & Risk involved at each step of work - Permit to work - Others
Bad Environmental Condition: - High temp (>45°C) - Rain - Heavy wind ✓ - Other conditions not suitable for work (Lone work is prohibited)	Emergency: - Emergency Vehicle ✓ - Assembly Area ✓ - Nearest hospital ✓ - ERP at site & understanding ✓ - Rescue kit at site ✓ - Drill ✓

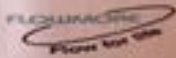
Others: Sharing of any past incident/Good practices relevant to the activity to be performed.

Site specific requirements/issues:

Please specify: (Fitters- F, Winch Operator- W/O, Helper- H, Labor- L, Gang leader- G, Steward- S, Driver- D) along with the name

S.N	Name and Designation		Sign	S. No.	Name and Designation		Sign
1	SHABAB KHAN	S/MESON	<i>Shabab</i>	11	WASIM	LABOUR	
2	GURUPAD	S/MESON	<i>Gurupad</i>	12	RAJU	LABOUR	<i>Raju</i>
3	MAHAVEER	MESON	<i>Mahaveer</i>	13	SHEELU MAITRA	LABOUR	
4	VISHAL	LABOUR	<i>Vishal</i>	14	RAJEEV PATEL	LABOUR	
5	ANKUR	LABOUR	<i>Ankur</i>	15	EKTA	LABOUR	<i>Ekti</i>
6	RAHUL	LABOUR	<i>Rahul</i>	16	VIJAY PAL	LABOUR	
7	JISHAN	MESON	<i>Jishan</i>	17	DINESH RANA	LABOUR	<i>Dinesh</i>
8	BABU	MESON	<i>Babu</i>	18	KARAN	MESON	
9	VINOD	LABOUR	<i>Vinod</i>	19	MOHAN GUPTA	LABOUR	
10	VEER SINGH	LABOUR	<i>Veer Singh</i>	20	BRIJESH	LABOUR	

Khatima- II (Jan 2025- Jun 2025)

	TOOL BOX TALK	Document No. & Name	4 Training Plan & Training records
		Page No.	

Name of Site / Location :	132/33 KV GIS Substation Khatima-II	
Name of Company / Contract Agency :	M/s FLOWMORE Ltd.	Date: 28/05/2025
TBT given by:	Sant Singh (Safety Officer)	

Man: ☒ Required Man power/Actual ☒ PPE Adherence (Safety Shoes, Helmet, Full body harness, Reflective jacket, Hand gloves etc.) ☒ Age/Health Condition of everyone ☒ Operator/Authorization ☒ Fitters/Height pass ☒ Drivers & Authorization	Emergency: ☒ Emergency Vehicle ☒ Assembly Point ☒ Nearest hospital ☒ First aid kit at Site ☒ Rescue kit at site
--	---

Pep talk Topic:-

- ① Use of PPE's
- ② Steel cutting + binding Safety-
- ③ Housekeeping

Others: Sharing of any past incident / Good practices relevant to the activity to be performed

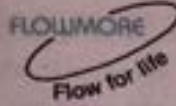
Site specific requirements/issues:-

Please specify: (Fitters- F, Operator- O, Helper- H, Labor- L, Mason- M, Carpenter- C/P, Driver- D, Welder- W) along with the name

S. No.	Name and Designation	Sign	S. No.	Name and Designation	Sign
1	Singh	F	11		
2	Nishu Singh	C/P	12		
3	Pranav	C/P	13		
4	Rajesh	F	14		
5	Bhaskar	H	15		
6	Sakshi	L	16		
7	Agarwal	C/P	17		
8	Mudhakar	S	18		
9			19		
10			20		


 Sant Singh
 Signature EHS Officer





Safety Training

Name of Site/Location:-	132/33 kV GIS Substation, Khatima-II	Date:- 05/06/25
Name of Contract Agency:-	M/s FLOWMORE LTD.	
Training Given by:-	Sunil Singh (Safety Officer)	
Training Topic:-	Environment Training	Training Frequency :- Monthly

SL.NO.	NAME	DESIGNATION	SIGNATURE
1	Manoj	M	मनोज
2	Vishant	M	विशन्त
3	Vijay Sarker	M	विजय
4	Radhika	L	रदिका
5	Laxmi	L	लक्ष्मी
6	Mina	L	मिना
7	Kalpna	L	कल्पना
8	Nayab	L	नयब
9	Shula	L	शुला
10	Roma	L	रोमा
11	Samran	Supervisor	समरन
12			
13			
14			
15			



Description of Training:-

निर्माण स्थल पर पर्यावरण प्रशिक्षण का उद्देश्य श्रमिकों और अन्य लोगों को निर्माण गतिविधियों से जुड़े पर्यावरण जोखिमों से अवगत कराना और उन्हें काम करने में मदद करना है। यह प्रशिक्षण श्रमिकों को सुरक्षित कार्य practices, खतरनाक पदार्थों का सुरक्षित उपयोग, कचरा प्रबंधन, और पर्यावरणीय चिंताओं के बारे में शिक्षित करने में मदद करता है।

खतरनाक पदार्थों का सुरक्षित उपयोग और भंडारण:

श्रमिकों को खतरनाक पदार्थों के संभावित खतरों और उनके सुरक्षित उपयोग, भंडारण और निपटान के बारे में सिखाया जाता है।

कचरा प्रबंधन:

निर्माण स्थल पर कचरा को प्रभावी ढंग से प्रबंधित करने और पर्यावरण को नुकसान से बचाने के तरीके सिखाए जाते हैं, जैसे कि कचरे का वर्गीकरण, पुनर्चक्रण, और उचित निपटान।

पानी का प्रबंधन:

निर्माण स्थल पर पानी के उपयोग और निपटान के बारे में सिखाया जाता है, ताकि जल प्रदूषण से बचा जा सके।

धूल का प्रबंधन:

निर्माण स्थल पर धूल के स्तर को कम करने के तरीके सिखाए जाते हैं, जैसे कि धूल को ढकाना और श्रमिकों को धूल से बचाने के लिए PPE का उपयोग करना।

पर्यावरण पर प्रभाव:

निर्माण गतिविधियों के पर्यावरणीय प्रभाव के बारे में जानकारी प्रदान की जाती है, जैसे कि जल प्रदूषण, वायु प्रदूषण, और भूमि प्रदूषण।

पर्यावरण सुरक्षा नियमों और विनियमों का पालन:

श्रमिकों को पर्यावरण सुरक्षा नियमों और विनियमों के बारे में जानकारी दी जाती है, ताकि वे उनका पालन कर सकें।

आपातकाल:

यदि कोई पर्यावरणीय दुर्घटना होती है, तो श्रमिकों को यह सिखाया जाता है कि वे कैसे प्रतिक्रिया दें और दुर्घटना को काम करने के लिए क्या करें।

सुरक्षा:

निर्माण स्थल पर पर्यावरण प्रशिक्षण श्रमिकों को खतरनाक पदार्थों और अन्य पर्यावरणीय जोखिमों से बचाने में मदद करता है, जिससे उन्हें चोट लगने की संभावना कम हो जाती है।

पर्यावरण संरक्षण:

निर्माण गतिविधियों के कारण पर्यावरण को नुकसान हो सकता है, लेकिन पर्यावरण प्रशिक्षण श्रमिकों को पर्यावरण को नुकसान से बचाने के लिए क्या करना है, यह जानने में मदद करता है।

सार्वजनिक छवि:

यदि एक निर्माण कंपनी पर्यावरण सुरक्षा को गंभीरता से लेती है, तो इससे उसकी सार्वजनिक छवि में सुधार होता है।







Mock drills Training

Name of Site/Location:-	132/33 kV GIS Substation, Xhatima-II		
Name of Contract Agency:-	M/s FLOWMORE LTD.	Date:-	08/05/2025
Training Given by:-	Sunil Singh (Safety Officer)		
Training Topic:-	Fire Training	Training Frequency :-	15 Days

SL.NO.	NAME	DESIGNATION	SIGNATURE
1	Abhishek	Mason	[Signature]
2	Rohan	Helper	[Signature]
3	Euddu	fitter	[Signature]
4	Aman	Helper	[Signature]
5	Sankant	Mason	[Signature]
6	Veeru	Mason	[Signature]
7	Santosh	Helper	[Signature]
8	Sunny	Helper	[Signature]
9	Vikash	fitter	[Signature]
10	Devendra	Helper	[Signature]
11			
12			
13			
14			
15			

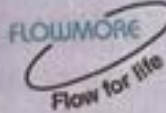


Fire training at Khatima site



Emergency Rescue training





Mock drill Training

Name of Site/Location:-	132/33 kV GIS Substation, Khatima-II	Date:-	07/06/25
Name of Contract Agency:-	M/s FLOWMORE LTD.		
Training Given by:-	Sunil Singh (Safety Officer)		
Training Topic:-	Electric Shock	Training Frequency :-	15 Days

SL.NO.	NAME	DESIGNATION	SIGNATURE
1	Meena	Labour	मिना
2	Dama	h	सेमा
3	Radhika	h	राधिका
4	Laxmi	h	लक्ष्मी
5	Kalpna		कल्पना
6	Sheela		शीला
7	Manoj	Feeder	मनोज
8	Vijay Sarker	Mason	विजय
9	Anand Sarker	mason	अनंद
10	Uttam pal	Labour	उत्तम
11	Harpal Masundar	Labour	हरि पद
12	Eyan prakash	Labour	ज्ञान कुमार
13	Santosh	Labour	शैवराज
14			
15			

13/06/25



Description of Training:-

Electric Shock प्रशिक्षण एक महत्वपूर्ण सुरक्षा कार्यक्रम है जो Electric खतरी से निपटने और उनकी रोकथाम के बारे में जानकारी प्रदान करता है। यह प्रशिक्षण Electric उपकरणों के सुरक्षित उपयोग और बिजली के झटके से होने वाले नुकसान को कम करने में मदद करता है।

Electric झटका प्रशिक्षण में शामिल मुख्य बातें:

Electric खतरों की पहचान:

Electric झटके का खतरा, Electric उपकरणों के प्रकार, और विभिन्न प्रकार के Electric खतरों के बारे में जानकारी दी जाती है।

सुरक्षा सावधानियां:

Electric उपकरणों का उपयोग करते समय, जैसे कि इंसुलेशन और साउंडिंग, आदि का पालन करना आवश्यक है।

प्राथमिक उपचार:

Electric झटका लगने पर प्राथमिक उपचार के बारे में जानकारी दी जाती है, जैसे कि बिजली बंद करना, व्यक्ति को छुए बिना बचाना, और सीपीआर करना।

व्यक्तिगत सुरक्षा उपकरण (PPE):

Electric सुरक्षा के लिए आवश्यक PPE जैसे कि रबर के दस्ताने, सुरक्षा चश्मा, आदि का उपयोग करने के बारे में प्रशिक्षण दिया जाता है।

Electric सुरक्षा नियम:

Electric सुरक्षा के नियमों का पालन करने के बारे में प्रशिक्षण दिया जाता है, जैसे कि गीले हाथों से बिजली के उपकरणों को नहीं छूना।

Electric झटका प्रशिक्षण Electric क्षेत्र में काम करने वाले लोगों के लिए बहुत महत्वपूर्ण है। यह प्रशिक्षण उन्हें Electric खतरों से बचने और सुरक्षित तरीके से काम करने में मदद करता है।

व्यक्ति को छुए बिना बिजली बंद करें:

यदि कोई व्यक्ति बिजली के संपर्क में है, तो उसे छुए बिना बिजली बंद करें। यदि ऐसा करना सुरक्षित नहीं है, तो व्यक्ति को सुरक्षित तरीके से हटा दें।

आपातकालीन सहायता के लिए कॉल करें:

यदि कोई व्यक्ति Electric झटके से गंभीर रूप से घायल हो गया है, तो तुरंत आपातकालीन सहायता के लिए कॉल करें।

सुरक्षित कार्यस्थल:

Electric सुरक्षा के लिए सुरक्षित कार्यस्थल सुनिश्चित करना महत्वपूर्ण है। यह सुनिश्चित करें कि कार्यस्थल पर बिजली के उपकरण सुरक्षित ढंग से स्थापित हैं और उनका उपयोग सुरक्षित तरीके से किया जा रहा है।

व्यक्तिगत सुरक्षा उपकरण (PPE):

Electric सुरक्षा के लिए PPE का उपयोग करना महत्वपूर्ण है। रबर के दस्ताने, सुरक्षा चश्मा, आदि का उपयोग करें।


Signature of Trainer



Annexure 8 :-Vehicle PUCC & Insurance

POLLUTION UNDER CONTROL CERTIFICATE
(UNDER CMV RULES 1989)
Licence No. TP2 (B) 77/2001/VOL-1/248

Authorised by Transport Dept., Govt. of Andhra Pradesh,
Head Office : Papu Nallath, Nallerigun, Dist: Papun Pore, Anaparthi Pradesh
2 Miles, NH-52, Near Central School, Pasighat, East Siang District, A.P.-751002

PUC No. 3 CODE0000887

REG. NO. AP-19-3046

MAKER: JICA MOTORS LTD.

MODEL: DOKU TRA 110T SL

VEHICLE TYPE: SLP CAB

REG. YEAR: 15-3-2003

FUEL TYPE: DIESEL

TEST DATE: 14-7-2004

TEST TIME: 10:34 AM

VALID UPTO: 13-3-2005

OWNER: JICAMOTORS LIMITED

TEST	CO2	HC	CO	NOx	PM	NO2	PM	NOx	PM	NO2	PM	
1	155	2.22	3.02	0.127	10	155	2.22	3.02	0.127	10	155	2.22
2	155	2.22	3.02	0.127	10	155	2.22	3.02	0.127	10	155	2.22
3	155	2.22	3.02	0.127	10	155	2.22	3.02	0.127	10	155	2.22

ADDRESS: SINGH VIEWS MANAGAR, PAFULI, TRIPURA

REG. NO. 508553

CHESK NO. 480718

Valid six months

Authorised Signatory

ARD 1
RDZ 46

Conflict that this vehicle's emission levels are within the limits under Rule 193(2) of CMV Rules, 1989

Email add: transport@gmail.com, (PUC) Pasighat Branch Office No: +91-941-00-41-32, +91-943-51-41-32

Indian Motor Vehicle Certificate (Form No. 17A-1)

Issued to: **Government of India**

Date: **21/09/2024**
 Time: **09:55:48 AM**
 Validity upto: **20/09/2025**

Vehicle Details

Registration No.	KA02H012345678
Class of Registration	KA02H012345678
Make & Type of Motor Vehicle	Maruti Suzuki Swift
Registered Number	KA02H012345678
Engine Number	KA02H012345678
Chassis No.	KA02H012345678
Weight	1200 kg
Power	40 kW
Color	White

Vehicle Photo with Registration plate
 80 mm x 30 mm



Sr. No.	Particulars (as applicable)	Units (as applicable)	Measured Value	Measured Value (after 2 years)
1	Carbon Monoxide (CO)	percentage (%)	0.05	0.05
2	Hydrocarbons (THC)	percentage (%)	0.05	0.05
3	High idling percentage	percentage (%)	0.05	0.05
4	Low idling percentage	percentage (%)	0.05	0.05
5	Smoke Density	percentage (%)	0.05	0.05

This PUC certificate is issued/issued through the national register of motor vehicles and shall be valid for 12 months.

Signature of the authorized person: **[Signature]**

Authorized Signature with stamp of PUC Issuing Authority



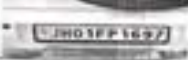
PAGE 02
Date Issued: 10/05/2020

Pollution Under Control Certificate

Authorized By : State Transport Department		
Date :	11/05/2024	
Time :	10:38:12 AM	
Validity upto :	10/05/2025	

Certificate No. To Registration No. Date of Registration Month & Year of Manufacturing Used Vehicle Details Emission Results Fuel Poll Code Cat No. Power VCI Information	[Barcode] [Certificate ID] JAGPFR007 23/May/2024 Jun 2024 ***** Bunkat P/0000 10 000000 0000000000 No. 100-00 No.
---	--

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Values (within 3 decimal places)
1	Carbon Monoxide (CO)	percentage (%)	A	B
Existing Emissions	Hydrocarbons (THC+HC)	ppm		
	CO	percentage (%)		
High idling emissions	NOx	ppm	2500 ± 100	
	Lambda	-	1 ± 0.02	
Smoke density	Light absorption coefficient	Lambda	0.7	0.55

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

Note : Vehicle owners to link their mobile numbers to registered vehicle by logging to their own parivahan.gov.in

Authorized Signature with stamp of PUC Operator
Expiry : 20-may

[illegible]

Annexure 9 :- Tree Feeling Permission

संयुक्त निरीक्षण आख्यता

प्रमाणित किया जाता है कि अधिवासी अभियन्ता, विद्युत वितरण खण्ड (ग्रामीण), उत्तराखण्ड पावर कॉर्पोरेशन लि० (उपाकांति), हल्द्वानी के कार्यालय पत्रांक संख्या 2712/वि०वि०ख०(ग्रा०)ड० दिनांक 14.06.2024 (छायाप्रति सलम्ब) के संदर्भ में उपाकांति के 33 के०बी० विद्युत उपसंस्थान धौलखेड़ा की भूमि में प्रस्तावित 132/33 के०बी० विद्युत उपसंस्थान के निर्माण के लिए पावर ट्रांसमिशन कारपोरेशन ऑफ़ उत्तराखण्ड लि० (पिटकुल) को हस्तान्तरण होने वाली 0.2 हेक्टेयर भूमि पर मौजूद वृक्षों की गणना, प्रकार एवं कटान के सम्बन्ध में आज दिनांक 12.07.2024 को उद्यान विभाग, वन विभाग, उपाकांति एवं पिटकुल के अधिकारीयों की उपस्थिति में प्रस्तावित विद्युत उपसंस्थान के निर्माण हेतु प्रयत्न भूमि का संयुक्त निरीक्षण किया गया।

प्रस्तावित 132/33 के०बी० विद्युत उपसंस्थान के निर्माण में बाधक वृक्षों का विवरण क्रमशः निम्नवत है।

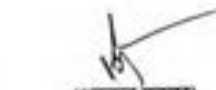
क्रम सं	प्रजाति	वृक्षों की संख्या	व्यास श्रेणी	वर्गीकरण
1	आम	01	5-6	अफलक, आयु पूर्ण
2	आम	01	2-3	अफलक, आयु पूर्ण
3	आम	01	4-5	अफलक, आयु पूर्ण
4	पीपल/सरबरी	01	4-5	अयोग्य
5	पीपल/सरबरी	01	3-4	अयोग्य
6	पीपल/सरबरी	01	2-3	अयोग्य
7	बकैज हर	01	2-3	अयोग्य
8	कोकाट	01	1-2	अयोग्य
9	कोकाट	01	3-4	अयोग्य
10	अमरुद	01	3-4	अफलक, आयु पूर्ण
11	इमली	01	6-7	अफलक, आयु पूर्ण
12	नीम	01	2-3	अयोग्य
13	नीम	01	3-4	अयोग्य

प्रधानीय बनाधिकारी, तराई केन्द्रीय वन प्रभाग, रुड़पुर (ऊधमसिंह नगर) द्वारा कार्यालय पत्रांक 4174/23-1, रुड़पुर दिनांक 06.06.2024 (छायाप्रति सलम्ब) के माध्यम से प्रस्तावित 132/33 के०बी० विद्युत उपसंस्थान के निर्माण में बाधक वृक्षों का कुल मूल्यांकन रु० 18,268.00 किया गया है।

उपरोक्त वृक्ष प्रस्तावित निर्माण स्थल पर होने के कारण विद्युत उपसंस्थान के निर्माण में बाधक है। चूंकि उक्त वृक्षों को प्रत्यारोपण संभव नहीं है, जिस कारण उपरोक्त वृक्षों का पालन आवश्यक है।


(अनुराग सिंह परबत)
प्रभारी
उद्यान संचालन दल केन्द्र
हल्द्वानी


(पुष्कर सिंह मेहरा)
अवर अभियन्ता
विद्युत वितरण (ग्रामीण),
उपाकांति, धौलखेड़ा


(आनन्द कुमार)
वन क्षेत्राधिकारी
हल्द्वानी वन क्षेत्र
तराई केन्द्रीय वन प्रभाग, रुड़पुर


(अरविन्द सिंह रावत)
सहायक अभियन्ता
परियोजना (ज्ञानपद)
पिटकुल, अल्मोड़ा



उत्तराखण्ड. पावर कारपोरेशन लि०

कार्यालय अधिशासी अभियन्ता
विद्युत वितरण खण्ड (ग्रामीण),

79 हीरा नगर, निकट उत्थान मंथ, हल्द्वानी (नैनीताल)

ई-मेल : erddl@yahoo.co.in फोन नं०-(05946) 292040 फैक्स नं०-(05946) 298318

पत्रांक : 3582 / वि.वि.ख.(ग्र.)ह.

दिनांक : 24.07.24

विषय- उपाकालि के 33/11 केंडीउ उपकेन्द्र चौलाखेडा की भूमि पर प्रस्तावित 132/33 केंडीउ उपसंस्थान (पिटकुल) के निर्माण हेतु वृक्षों के कटान के सम्बन्ध में।

प्रभागीय लैगिंग प्रबन्धक,
उत्तराखण्ड वन विकास निगम,
परिषदी हल्द्वानी, उत्तरांचल कॉलोनी फेज-3,
निकट हनुमान मंदिर, आरटीओओ रोड, कुसुमखेडा,
हल्द्वानी, जिला-नैनीताल।



कृपया उपरोक्त विषयक आपको अवगत कराना है कि इस खण्ड के विद्युत वितरण उपखण्ड, सालकुओं के अन्तर्गत उत्तराखण्ड पावर कारपोरेशन लि० (उ०पा०का०लि०) के 33/11 केंडीउ उपकेन्द्र चौलाखेडा में 132 केंडीउ उपकेन्द्र, पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि० (पिटकुल) का निर्माण किया जाना प्रस्तावित किया गया है। प्रस्तावित उपकेन्द्र के निर्माण के पूर्व उक्त परिसर में विद्युत वृक्षों का कटान किया जाना अत्यन्त आवश्यक है। जिसके क्रम में प्रभागीय वनाधिकारी, तराई केन्द्रीय वन प्रभाग, सदापुर (संयन्त्रित नगर) द्वारा कार्यालय पत्रांक-4174/23-1, सदापुर, दिनांक 06.06.2024 (छायाप्रति संलग्न) के माध्यम से प्रस्तावित 132 केंडीउ उपसंस्थान के निर्माण में बाधाक वृक्षों का भूल्यांकन किया गया है।

आपको अवगत कराना है कि उक्त बाधाक वृक्षों के पातन के सम्बन्ध में दिनांक 12.07.2024 को उद्यान विभाग, वन विभाग, पिटकुल एवं उ०पा०का०लि० के सम्बन्धित अधिकारियों द्वारा संदर्भित स्वतः का संयुक्त निरीक्षण किया गया (संयुक्त निरीक्षण आख्या को छायाप्रति संलग्न)।

अतः उपरोक्त के क्रम में आपसे अनुरोध है कि प्रस्तावित निर्माण स्थल पर बाधाक वृक्षों का पातन/कटान कराने हेतु अपने स्तर से अग्रिम आवश्यक कार्यवाही करने का कष्ट करें।

संलग्न-बयाउपरोक्त।

(डी०डी० पांगडी)
अधिशासी अभियन्ता

पत्रांक : / वि.वि.ख.(ग्र.)ह./तददिनांकित।

प्रतिलिपि- निम्नलिखित को सूचनाई एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. अधीक्षण अभियन्ता, विद्युत वितरण मण्डल, नैनीताल रोड काठगोदाम, हल्द्वानी।
2. सहायक अभियन्ता परिचोजना (जानपद), पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि०, आल्मोड़ा।
3. उपखण्ड अधिकारी, विद्युत वितरण उपखण्ड, सालकुओं को उपरोक्त के क्रम में इस निर्देश के साथ प्रेषित कि आप उक्त वृक्षों के कटान हेतु सम्बन्धित विभाग से सम्पर्क कर अद्यतन स्थिति से अपोडरताक्षरी को अवगत करावें।

(डी०डी० पांगडी)
अधिशासी अभियन्ता

"सदृशित में विजली बचावें"

"विजली बचाने हेतु एल०ई०डी० बल्ब का प्रयोग करें"



उत्तराखण्ड पावर कारपोरेशन लि०

कार्यालय अधिशासी अभियन्ता
विद्युत वितरण खण्ड (ग्रामीण),

79 हीरा नगर, निकट उत्थान मंच, हल्द्वानी (नैनीताल)

ई-मेल : erddh@ujahoo.co.in

फोन नं०-(05946) 292040 फैक्स नं०-(05946) 298318

पत्रांक : 2312 / वि.वि.ख. (ग्रा.) ह.

दिनांक : 14.06.24

विषय- उपायवलि के 33 कैंडी० उपकेंद्र धौलाखेड़ा की भूमि पर प्रस्तावित 132/33 कैंडी० उपसंस्थान के निर्माण के लिये हस्तांतरण होने वाली 0.20 हेक्टेयर भूमि पर मौजूद वृक्षों के कटाव के सम्बन्ध में।

संजीवित बाक:

जिला उद्यान अधिकारी,
विकास भवन, भीमताल,
जिला-नैनीताल।

महोदय,

कृपया उपरोक्त विषयक आपसे अवगत कराना है कि इस खण्ड के विद्युत वितरण उपखण्ड, सालकुओं के अन्तर्गत उत्तराखण्ड पावर कारपोरेशन लि० के 33 कैंडी० उपकेंद्र धौलाखेड़ा में 132 कैंडी० उपकेंद्र, पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि० (पिटकुल) का निर्माण किया जाना प्रस्तावित किया गया है। प्रस्तावित उपकेंद्र के निर्माण से पूर्व उक्त परिसर में स्थित वृक्षों का कटाव किया जाना अत्यन्त आवश्यक है, जिसके परामर्श ही उपकेंद्र निर्माण का कार्य प्रारम्भ किया जाना सम्भव हो पायेगा। जिसके क्रम में प्रभाषीय मन्त्रिपरिषद्, तराई केन्द्रीय रण प्रभाग, राहपुर (अधिसूचित नगर) द्वारा कार्यालय पत्रांक-4174/23-1, राहपुर, दिनांक 06.06.2024 (छायाप्रति संलग्न) के माध्यम से प्रस्तावित 132 कैंडी० उपसंस्थान के निर्माण में वलक वृक्षों का कुल मूल्यांकन रु० 18268.00 किया गया है।

अतः उपरोक्त के क्रम में आपसे अनुरोध है कि प्रस्तावित 132 कैंडी० उपसंस्थान (पिटकुल) का निर्माण कार्य प्रारम्भ करने हेतु वृक्षों के कटाव के सम्बन्ध में अपने स्तर से आवश्यक कार्यवाही करते वही कृपा करेंगे, साथ ही अनुरोध है कि उक्त कार्य हेतु उपखण्ड अधिकारी, विद्युत वितरण उपखण्ड, सालकुओं (फोन नं०-0412083123) के साथ संयुक्त स्थानीय निरीक्षण हेतु अधीनस्थों को निर्देशित करने की कृपा करेंगे।

संलग्न-सहाउपरोक्त।

भवदीय

(सी०डी० सांगरी)
अधिशासी अभियन्ता

पत्रांक : / वि.वि.ख. (ग्रा.) ह. / उपदिनांक।

प्रतिलिपि- निम्नलिखित को सूचना एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. अधीक्षण अभियन्ता, विद्युत वितरण मण्डल, नैनीताल रोड काठगोदाम, हल्द्वानी।
2. अधिशासी अभियन्ता (जानपद) परिमोजन्ग, पिटकुल, ए०डी०वी० एवं नैन ए०डी०वी० कुनाऊ रोड, वरम, मिथौरागढ़-262544 को उनके कार्यालय पत्रांक-डीएम 02/अधिअभि.(जा)/परि./व/ धौलाखेड़ा, दिनांक 23.04.2024 के क्रम में।
3. उपखण्ड अधिकारी, विद्युत वितरण उपखण्ड, सालकुओं को उपरोक्त के क्रम में इस निर्देश के साथ प्रेषित कि आम उक्त वृक्षों के कटाव हेतु सम्बन्धित विभाग से सम्पर्क कर अतिम आवश्यक कार्यवाही करना सुनिश्चित करें एवं साथ ही अन्त रचयिता से अधीनस्थों को अवगत करावे।

(सी०डी० सांगरी)
अधिशासी अभियन्ता

"संज्ञित में निजली बगाने"

"निजली बगाने हेतु एल०डी०वी० मन्त्र का प्रयोग करें"

कार्यालय - प्रभागीय वनाधिकारी, तराई केन्द्रीय वन प्रभाग, रुद्रपुर (ऊधमसिंहनगर)

विद्युत विकास भवन रुद्रपुर, फोन/ईमेल नं० 05944-250000, ई-मेल dftotarcenral@rediffmail.com

पत्रांक सं० 4174/23-1, रुद्रपुर

दिनांक 06/06/2024

सेवा में,

✓ अधीनस्थ अधिकारी,
उत्तराखण्ड पावर कॉरपोरेशन लि०,
विद्युत वितरण खण्ड, (ग्रामीण), हल्द्वानी।

विषय : मूल्यांकन/पातन के संबंध में।

सन्दर्भ:- आपका पत्रांक 1921/वि०वि०ख० (ग्रा) द० दिनांक 30.04.2024

महोदय,

उपरोक्त विषयक सन्दर्भित पत्र के क्रम में आपके पत्र में वर्णित प्रकरण की जांच वन क्षेत्राधिकारी, हल्द्वानी से कराई गई। वन क्षेत्राधिकारी, हल्द्वानी की जांच आख्या के आधार पर उत्तराखण्ड पावर कॉरपोरेशन लिमिटेड 33 क०वी० उपकेन्द्र धौलाखेड़ा की भूमि में 132 क०वी० उपसंचालन के निर्माण में माधक वृक्षों का मूल्यांकन निम्न प्रकार प्रेषित किया जा रहा है:-

क्र०सं०	प्रजाति	ध्यात श्रेणी	वर्गीकरण	दर	वृक्षों की संख्या	मूल्यांकन
1.	आम	5-6	अयोग्य	5052X1/2	01	2526.00
2.	आम	2-3	अयोग्य	1083X1/2	01	541.00
3.	आम	4-5	अयोग्य	3052X1/2	01	1526.00
4.	पीपलमलवरी	4-5	अयोग्य	5876X1/2	01	2938.00
5.	पीपलमलवरी	3-4	अयोग्य	3672X1/2	01	1836.00
6.	पीपलमलवरी	2-3	अयोग्य	2203X1/2	01	1101.00
7.	बकैल हल	2-3	अयोग्य	1083X1/2	01	541.00
8.	कोकाट	1-2	अयोग्य	223X1/2	01	111.50
9.	कोकाट	3-4	अयोग्य	2163X1/2	01	1081.00
10.	अनकद	3-4	अयोग्य	2231/2	01	111.50
11.	हमली	6-7	अयोग्य	8661X1/2	01	4330.50
12.	नीम	2-3	अयोग्य	1083X1/2	01	541.50
13.	नीम	3-4	अयोग्य	2163X1/2	01	1081.50
			योग:-		13	16,268.00

- नोट:-फलदार वृक्षों की पातन अनुमति उद्यान विभाग से प्राप्त किया जाना अपेक्षित है। अन्य वृक्ष छुट प्रजाति में होने के कारण पातन अनुज्ञा प्राप्त किया जाना अपेक्षित नहीं है।

(उमेश चन्द शिपारी)
प्रभागीय वनाधिकारी,
तराई केन्द्रीय वन प्रभाग, रुद्रपुर

पत्रांक 4174/उपवर्तिकांकित।

प्रतिलिपि:- निम्न को सूचनाई प्रेषित:-

01. उप प्रभागीय वनाधिकारी, हल्द्वानी को उनके द्वारा प्रदान की गई संस्तुति के क्रम में।
02. वन क्षेत्राधिकारी, हल्द्वानी को उनके पत्रांक 1677/23-1 दिनांक 28.05.2024 के क्रम में।

D/camp work/Testing & sikaal permission/rajya PATAH

Office of The Executive Engineer Electy. Distribution Div. (Rural) Haldwani (Munital)	
Daily No.	2000
File No.	13/0624

(उमेश चन्द शिपारी)
प्रभागीय वनाधिकारी,
तराई केन्द्रीय वन प्रभाग, रुद्रपुर

Annexure 9:- Statuary Clearances

कार्यालय उप जिलाधिकारी, लोहाघाट।
संख्या 222/विधि-बोरिंग अनुमति/2024 दिनांक नवम्बर 20, 2024

1-तहसीलदार, लोहाघाट।
2-अधिशारी अभियन्ता, जल संस्थान, चम्पावत।
3-अधिशारी अभियन्ता, जल निगम, चम्पावत।

विषय- बोरिंग की अनुमति चाहने सम्बन्धी प्रार्थना पत्र के सम्बन्ध में।

उपर्युक्त विषयक इस कार्यालय में पेयजल हेतु बोरिंग करवाये जाने की अनुमति प्रदान किये जाने सम्बन्धी निम्नलिखित प्रार्थना पत्र प्राप्त हुये है-

क्रम संख्या	प्रार्थी का नाम/पता	विवरण
1	अधीक्षण अभियन्ता, (परियोजना), ए0डी0बी0 हल्द्वानी	132/33 के0वी0 जी0आई0एस0 उपकेन्द्र लोहाघाट के निर्माण से सम्बन्धित कार्य हेतु द्यूबवैल का निर्माण किये जाने की अनुमति प्रदान किये जाने का अनुरोध किया गया है।
2	श्री रमेश चन्द्र कलखुडिया, मीना बाजार लोहाघाट।	पेयजल हेतु बोरिंग करवाये जाने की अनुमति प्रदान किये जाने का अनुरोध किया गया है।

अतः उक्त प्रार्थना पत्रों की छायाप्रति संलग्न कर इस निर्देश के साथ प्रेषित है कि उक्त सम्बन्ध में अपने विभाग से सम्बन्धित आख्या/अनापत्ति यथाशीघ्र उपलब्ध कराना सुनिश्चित करें।

संलग्न- उक्तानुसार।

अ.न.
उप जिलाधिकारी,
लोहाघाट।

प्रतिलिपि- प्रभागीय वनाधिकारी, चम्पावत वन प्रभाग, चम्पावत को उक्त प्रार्थना पत्रों की छायाप्रति संलग्न कर इस अनुरोध के साथ प्रेषित कि उक्त सम्बन्ध में अपनी विभागीय आख्या/अनापत्ति उपलब्ध कराने का कष्ट करें।

अ.न.
उप जिलाधिकारी,
लोहाघाट।
9/



UK/PCB

Ph No- 05946-225618, 221532 Web Site-www.ucepcb.ik.gov.in

पत्रांक-पुणे/सीसी/काठगोदाम/170/24/2242-987

दिनांक-2/12/24

क्षेत्रीय कार्यालय

उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड

आवास विकास कालोनी, हल्द्वानी (नैनीताल)

सेवा में,

एसआई (पीआई) एंडीआई,

पिटकुल हल्द्वानी (कैम्प-काठगोदाम)

विषय- प्रस्तावित परियोजना पुर अनापलित प्रदान करने के संबंध में।

महोदय,

उपरोक्त विषयक कार्यालय एसआई (पीआई) एंडीआई, पिटकुल हल्द्वानी (कैम्प-काठगोदाम) के पत्रांक दिनांक 23.11.2024 जिसकी प्रति इस कार्यालय को भी पृष्ठांकित की गयी है, का संदर्भ ग्रहण करना चाहेंगे। पत्र द्वारा उत्तराखण्ड राज्य में नैनीताल जनपद के धौलाखेड़ा में 132/33 कंठपी जीआईएस उप स्टेशन तथा धम्मायत जनपद के लोहाघाट में 132/33 कंठपी जीआईएस उप स्टेशन के निर्माण कार्य के लिये जल/वायु अधिनियमों के अन्तर्गत अनापलित जारी गयी है। संदर्भित प्रस्तावित परियोजना के अन्तर्गत कर्म द्वारा मात्र जीआईएस उप स्टेशन निर्माण का कार्य किया जाना प्रस्तावित किया गया है।

अतः उपरोक्त संदर्भित परियोजना केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा जारी औद्योगिक वर्गीकरण-2018 यथासंशोधित तथा राज्य बोर्ड द्वारा निर्गत औद्योगिक/गैरऔद्योगिक श्रेणी में आश्रयित नहीं है। सूचनाार्थ प्रेषित है।

महोदय

(अमुराग नगी) 21/11/24

क्षेत्रीय अधिकारी

प्रतिनिधि- सदस्य सचिव महोदय उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड देहरादून को सूचनाार्थ सादर प्रेषित।

क्षेत्रीय अधिकारी 21/11/24

28/11/24



कार्यालय ताहसीलदार खटीमा जिला ऊधम सिंह नगर।

पत्र संख्या 773 / नाठनाठ / 2024,
सेवा में,

दिनांक 23.11.2024

उपजिलाधिकारी महोदय,
खटीमा।

विषय: अनापत्ति प्रमाण पत्र निर्गत किये जाने के संबंध में।

महोदय,

कृपया उपरोक्त विषयक कार्यालय अधीक्षण अभियन्ता (परियोजना) ए०डी०वी० हल्दानी के पत्र संख्या 162/SE(P)ADB/PTCUL/HLD दिनांक 24.10.2024 का सन्दर्भ ग्रहण करने का कष्ट करें, जिसके द्वारा अवगत कराया गया है कि 132/3 के०वी० जी०आई०एस० खटीमा-II के निर्माण संबंधित कार्य के अन्तर्गत द्यूबडेल का निर्माण कार्य भी प्रस्तावित है, जिसके लिए अनापत्ति प्रमाण पत्र निर्गत किये जाने का अनुरोध किया गया है।

उक्त के क्रम में क्षेत्रीय राजस्व निरीक्षक/राजस्व उपनिरीक्षक से जांच कराई गई। प्राप्त जांच आख्यानुसार ग्राम झनकईया ताहसील खटीमा आधार वर्ष खाता खतीनी संख्या 125 के खसरा संख्या 355/1 मध्ये 0.340 हे० खसरा संख्या 355/2 मध्ये 0.830 हे० कुल रकबा 1.170 हे० भूमि उत्तराखण्ड पावर ट्रान्समिशन कार्पोरेशन ऑफ उत्तराखण्ड लिमिटेड देहरादून के नाम कॉलम 7-12 में आदेश दर्ज अमिलेख है।

उपरोक्त भूमि पर $3 \times 3 = 9$ वर्ग मी० भूमि अन्तर्गत द्यूबडेल निर्माण किया जाना प्रस्तावित है। उक्त विषयक भूमि पर द्यूबडेल निर्माण कार्य उत्तराखण्ड पावर ट्रान्समिशन कार्पोरेशन ऑफ उत्तराखण्ड की भूमि पर किया जाना है। जिस भूमि पर द्यूबडेल लगाया जा रहा है, वह भूमि राजस्व विभाग की सरकारी भूमि नहीं है, न ही धारा 132 के अन्तर्गत सार्वजनिक भूमि है। अतः उक्त भूमि पर द्यूबडेल लगाने में राजस्व विभाग को कोई आपत्ति प्रतीत नहीं होती है।

अतः क्षेत्रीय राजस्व निरीक्षक/राजस्व उपनिरीक्षक की जांच आख्या संलग्न कर महोदय की सेवा में सादर प्रेषित है।
संलग्नक-यद्योपरि।

AR-398
23-11-24
जा०डी०

लेखक
अधीक्षण अभियन्ता (परियोजना)
ADB खटीमा

महोदय
ताहसीलदार खटीमा जी० अ०
उपजिला।

उपजिलाधिकारी खटीमा
(ऊ०सि०नगर) उत्तराखण्ड

ताहसीलदार
खटीमा



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दिनांक 16.11.2024

इसकी शुरुआत १९८० में की गई थी, जिसका उद्देश्य था कि किसानों को अधिक लाभ मिल सके। इस योजना के तहत सरकार किसानों को ऋण प्रदान करती है, जो कि किसानों को अपने खेती के लिए उपयोग कर सकते हैं। इस योजना के तहत सरकार किसानों को ऋण प्रदान करती है, जो कि किसानों को अपने खेती के लिए उपयोग कर सकते हैं।

असरायण्ड भावर्द कर्तारपरेरण निमित्त 3.3 कंठरीण उपसंघ बीसासोडा की भुमि पर निवल बावक 1.3 वुर्की कें निसादण्ड/किरी
हेतु वुर्की कें गीसपी से बासिल कएरण कें 20000 से ।

अतिथिजी अभिवन्धा, विद्युत वितरण तथा वायवीय : 79-हिरानगर, फिक्ट ग्रामान संघ, बडवली नैनीताल का पत्रांक - 3582/विनिर्दिष्टपत्र (पात्र), सा/दिनांक 24-07-2024 एवं प्रकल्पित वनाधिकारी, तहसील कंटीय वन प्रभाग, जगदलु ग्रामाधिकार का पत्रांक - 4174/23-1, सा/दिनांक 06-06-2024 ।

अन्तर्गत लक्ष्यित पत्रों से अधिकांशी अनिवार्य, विद्युत निराकरण लागू (प्राचीन), 79-हीरोनगर, पिन्ड अग्रान मंड, लक्ष्मी नगराण्ड पारर कोटेशनम लिमिटेड 33 बंदीहो अकंदर कोलाकोश जी भूमि पर स्थित विभिन्न प्रजाति की 12 बागवत पत्ती को प्र नीताम कर्तव्य हेतु अन्तर्गत किया गया है।

आ: आपसे अनुरोध है कि उक्त चूकों को संबंधित प्रबंधक (चरसंग), जलराखण्ड वन विभाग, रामनगर की पत्र सं- 2778/वीसम जलसम/दिनांक 16.11.2024 को द्वारा दिये गये निर्देशों को त्वर से विभाग 30.11.2024 को सार्वजनिक नीतिम में रखने की कृपा करें।

अधिकांशी अधिवक्ता, विद्युत वितरण एवम् (घासी), 79-हीरागर, निकट उत्तम भव, राष्ट्रीय मैदान एवं घासीय नगरपालिका, ताप्लेज संघीय तन प्रमाण, तदनुसार जलजल उपस्थिति नगर द्वारा पूर्ण का सुव्यवस्था, प्रत्यक्ष अनुमति एवं गोपनीय अनुमान की आवश्यकता प्रमाण एवं प्रमाण की आ रही है।

अथर्ववेदः

प्रभागीय लीगिंग प्रकल्पक,
उत्तराखण्ड वन विभाग निगम,
पश्चिमी इलाखी।

प्रतिक्रिया — श्रीजीव प्रबन्धक (१०औं), उत्तराखण्ड वन विभाग, रामनगर को हार्दिक एवं आभारपूर्ण कार्यवाही हेतु धनित।

प्रभिविधि - प्रभागीय वनाधिकारी, ताराई-कंदीय वन प्रभाला रुद्रपुर, उदयगिरि नगर को रूपरेखा देवित।

प्रतिनिधि ✓ अधिकांशी अधिवक्ता, विद्युत वितरण खाद्य (आरबी), 79-हीरोनगर, निकट अजमेर गज. हवाई में नैनीताल को सूचनाएं एवं इस आशय से पेश कि आप या आपका प्रतिनिधि दिनांक 30-11-2024 को सार्वजनिक नीलाम में कलजहरी डिपो स93- 1 में प्रतिभाग करने का कष्ट करें।

प्रतिनिधि - श्री राधा राम आर्वा अनुभाष अधिकारी, उलहासगढ़ वन विभाग, पश्चिमी बंगाली को सूचनाएं एवं आवश्यक कार्रवाई हेतु प्रेषित।

ਪ੍ਰ. 625/70-71 ਦਿਖਾਏ: 20/11/24

प्रीति - प्रेम के द्वारा अविनाशी मित्र बनाना प्रत्यक्ष
मार्ग, जो अनापेक्षित सहाय्य दे-प्रेम।

प्रभागीय स्तरीय प्रबंधक,
जिलास्तरीय वन विकास निगम,
दरभंगा जिला।

अभिज्ञान शकुन्तलम्
विष्णु विवरण धर्म्य (धर्म्य-१)
पञ्चमस्कन्ध भागः अष्टमस्कन्ध-वि०
हस्त्यानी (नैर्ऋत-५)



पुनर्लब्ध संख्या डबलू आर/25

विक्रय अनुमोदन पत्र

पृष्ठ संख्या 603

प्रेषक सं. 100

हिपों अधिकारी

उ० वन विकास निगम

कालंदी प्रदेस हिपों

रामनगर, विपणन प्रभाग रामनगर

दिनांक 23-12-2024

हाथ द्वारा/पंजीकृत यावती डाक द्वारा

सेवा में,

श्री धीरेंद्र शर्मा के. इंटरप्र्राइजेज
सुनाहरा हाउस के अंदर पास
विलासपुर रोड - खार (रामपुर)विषय :- दिनांक 30-11-2024 की नीलाय स्वीकृति हिपों कालंदी प्रदेस
मोहदप,

उपरोक्त तिथि की आपकी द्वारा नीलाय में कम किये गये लोटों की विक्री का अनुमोदन उत्तराखण्ड वन विकास निगम के विक्री विपणन के, जो इन लोटों के विक्रय हेतु आपको नीलाय के समर्थ सुनाई गई तथा बिड लिस्ट के पीछे लिखी हुई शर्तों के अन्तर्गत विपणनानुसार किया जाता है :-

लोट सं०	प्रजाति व अन्य शर्तें	धनराशि	प्राप्त जमानत की धनराशि
1125/2024-25	मिश्रित प्रजाति खेड्डा	41,000/-	4,838/-
186/ - - -	मैल्ड मोहर	9,100/-	2,148/-
123/ - - -	खैर	5,000/-	1,180/-
योग		55,100/-	8,166/-

धनराशि का योग (शब्दों में) समस्त धनराशि प्रो.वि.प्र. (VSM) खाते में जमा की जाय /

- अनुमोदन जारी करने की तिथि
- नगद छूट की अंतिम तिथि
- बिना विलम्ब शुल्क के विक्रय मूल्य जमा करने की अंतिम तिथि
- विलम्ब शुल्क सहित विक्रय मूल्य जमा करने की अंतिम तिथि
- बिना प्लेट रेट के प्रकाश्ट उठाने की अंतिम तिथि
- प्लेट रेट सहित प्रकाश्ट उठाने की अंतिम तिथि
- अग्रिम आपक 30 राज्य विक्री कर, केन्द्रीय विक्री कर, मण्डी शुल्क व अन्य कर के अधीन विषयानुसार कर का भुगतान उपरोक्त स्वीकृत मूल्य पर पुचक से देय होगा।
विक्रय मूल्य का समस्त भुगतान बैंक ड्राफ्ट द्वारा जो कि प्रबन्ध निदेशक, उ० वन विकास निगम के नाम हो तथा रामनगर में देय हो, करना होगा। समस्त करों का भुगतान बैंक ड्राफ्ट द्वारा जो प्र०वि०प्र०, उ० वन विकास निगम के नाम हो तथा रामनगर में देय हो, करना होगा।

विक्रय मूल्य पर संकुचारी प्रजाति के प्रकाश्ट पर 3 प्रतिशत व अन्य प्रकाश्ट पर 1 प्रतिशत नगद छूट बिन्दुओं में दर्शित तिथि पर सम्पूर्ण मूल्य जमा कराने पर अनुमन्य होगी।

कृपया देय धनराशि का बैंक ड्राफ्ट सम्बन्धित हिपों में जमा कर वन विकास निगम की प्राधिकृत धन प्राप्ति रसीद प्राप्त करें। विक्रय किल प्रकाश्ट निकाली के रखने के साथ जारी किया जायेगा।

भारतीय,
हिपों अधिकारी
उ० वन वि० निगम

Test Report Mangalore


ECON LABORATORY & CONSULTANCY LLP
(ISO: 9001, 14001 & 45001 Certified & MOEF & CC Recognized Laboratory)
Vill.: Khabarwala, P.O.: Jalintawala, Near Garhi Canal, Dehradun, Uttarakhand - 248003


TEST REPORT

Name & Address of client: M/s. TRANS GLOBAL POWER LTD. New 220 KVA, SubStation, Manglore, Vill. Kurdi, Roorkee, Uttarakhand	ULR No. 1C5507250900029371 Reporting Date: 12/05/2025 Receipt Date: 07/05/2023 Format No.: 7.8 F-01 Party Reference No.: By Mail
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SAMPLE DESCRIPTION

General Information

Sample Collected by : Lab Representative

Sampling Location : Near Office Area

Instrument Used : Sound Level Meter

Instrument Code : ECON/SLM/01

Instrument Calibration Status : Calibrated

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 06/05/2025 to 07/05/2025

Time of Monitoring : 12:15 PM to 12:15 PM

Ambient Temperature (°C) : Min. 28.4°C, Max 31.7°C

Surrounding activity : Human & Vehicular Activities

Scope of Monitoring : Regulatory Requirement

Control measure if any : No

Sampling & Analysis Protocol : CPCB Guideline & IS-9989:1981, RA2020

Parameters Required : As per Work Order

AMBIENT NOISE MONITORING

TEST RESULT

S. No.	Parameters	Test Method	Test Results	Units
1.	Equivalent Noise Level (6.00 AM to 10.00 PM) Day Time	IS-9989:1981 RA2020	63.4	dB
2.	Equivalent Noise Level (10.00 PM to 06.00 AM) Night Time	IS-9989:1981 RA2020	59.7	dB
Requirement as per CPCB Guideline				
			Day	Night
1.	Industrial Area, dB		75	70
2.	Commercial Area, dB		65	50
3.	Residential Area, dB		55	45
4.	Silence Area, dB		50	40

End of report

CHECKED BY : 

AUTHORIZED SIGNATURE & SEAL : 

NOTE : 1. The results listed only as the tested sample & applicable parameters.
 2. Total liability of our lab will be restricted to the invoice amount only.
 3. The sample will be destroyed after retention time unless otherwise specified.
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Vill: Khabarnala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of Client:	ULR No.	TC 550725000002036F
M/S. TRANS GLOBAL POWER LTD.	Reporting Date:	12/05/2025
New 220KVA, Substation, Manglore, Vill. Kurdi, Roorkee,	Receipt Date:	07/05/2025
Uttarakhand.	Period of Testing:	08/05/2025 to 12/05/2025
	Format No.:	7.8 F-01
	Party Reference No.:	By Mail

SAMPLE DESCRIPTION

General Information

Sample Collected by
Sampling Location
Instrument Used
Instrument Code
Instrument Calibration Status
Meteorological condition during monitoring
Date of Monitoring
Time of Monitoring
Ambient Temperature (°C)
Surrounding activity
Scope of Monitoring
Control measure if any
Sampling & Analysis Protocol
Parameters Required

AMBIENT AIR QUALITY MONITORING

Lab Representative
Middle Area, Substation
RDS and PM2.5 Attachment
ECON/RDS/01
Calibrated
Clear Sky
06/05/2025 to 07/05/2025
11:45 AM to 11:45 AM
Min. 28.5°C, Max. 30.8°C
Human & Vehicular Activities
Regulatory Requirement
No
IS:5182
As per Work Order

TEST RESULT

S. No.	Parameters	Test Method	Test Results	Units	NAAQS#
1.	Particulate Matter (PM ₁₀)	IS:5182 (P-2):2006, RA2022, (Cyclonic Method)	80.6	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	IS:5182 (P-24):2019, (Gravimetric method)	38.3	µg/m ³	60
3.	Sulphur Dioxide (SO ₂)	IS:5182 (P-2):2001, RA2022	20.6	µg/m ³	80
4.	Nitrogen Dioxide (NO ₂)	IS:5182 (P-6):2006, RA2022	34.0	µg/m ³	80
5.	Ammonia (NH ₃)	IS:5182 (P-25):2018	ND**	µg/m ³	400
6.	Carbon Monoxide (CO)	IS:5182 (P-10):1999, RA2019	0.27	µg/m ³	4
7.	Benzene (C ₆ H ₆)	IS:5182 (Part-11):2006, RA2022	ND**	µg/m ³	5
8.	Benzo(a) Pyrene,	IS:5182 (Part-12):2004, RA2019	ND**	µg/m ³	1
9.	Lead (Pb)	IS:5182 (P-22):2004, RA:2019 Air Acetylene Method	ND**	µg/m ³	1
10.	Arsenic (As)	IS:5182 (Part-22):2024, RA2019	ND**	µg/m ³	6
11.	Nickel (Ni)	IS:5182 (P-26):2020 Air Acetylene Method	ND**	µg/m ³	20
12.	Ozone (O ₃)	IS:5182 (P-9), 1974, RA:2019 Colorimetric Method,	21.4	µg/m ³	180

Note: NAAQS-National Ambient Air Quality Standard, Schedule-VII, (Rule 3 (3)(i)), (Part-41-Sec-3(i)) 14.

**ND: Not Detected

CHECKED BY:

End of report

AUTHORIZED SIGNATORY:



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Vill.: Khabarwala, P.O.: Jainanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of Client:	ULR No.	TC5507250000029358
M/S. TRANS GLOBAL POWER LTD.	Reporting Date:	12/05/2025
New 220KVA, Substation, Manglore, Vill. Kurdi, Roorkee, Uttarakhand.	Receipt Date:	07/05/2025
	Period of Testing:	08/05/2025 to 12/05/2025
	Format No.:	7.8 F-01
	Party Reference No.:	By Mail

SAMPLE DESCRIPTION

General Information

Sample Collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding activity

Scope of Monitoring

Control measure if any

Sampling & Analysis Protocol

Parameters Required

AMBIENT AIR QUALITY MONITORING

Lab Representative

Near Office Area

RDS and PM 2.5 Attachment

ECON/RDS/01

Calibrated

Clear Sky

06/05/2025 to 07/05/2025

11:30 AM to 11:30 AM

Min. 28.5°C, Max. 30.8°C

Human & Vehicular Activities

Regulatory Requirement

No

IS:5182

As per Work Order

TEST RESULT

S. No.	Parameters	Test Method	Test Results	Units	NAAQS#
1.	Particulate Matter (PM ₁₀)	IS:5182 (P-23):2006, RA2022, (Cyclonic Method)	82.5	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	IS:5182 (P-24):2019, (Gravimetric method)	34.2	µg/m ³	60
3.	Sulphur Dioxide (SO ₂)	IS:5182 (P-2):2001, RA2022	17.3	µg/m ³	80
4.	Nitrogen Dioxide (NO ₂)	IS:5182 (P-6):2006, RA2022	28.6	µg/m ³	80
5.	Ammonia (NH ₃)	IS:5182 (P-25):2018	ND**	µg/m ³	400
6.	Carbon Monoxide (CO)	IS:5182 (P-16):1999, RA 2019	0.24	µg/m ³	4
7.	Benzene (C ₆ H ₆)	IS:5182 (Part-11):2006, RA 2022	ND**	µg/m ³	5
8.	Benzo(a) Pyrene	IS:5182 (Part-12):2004, RA 2019	ND**	µg/m ³	1
9.	Lead (Pb)	IS:5182 (P-22):2004, RA:2019 Air Acetylene Method	ND**	µg/m ³	1
10.	Arsenic (As)	IS:5182 (Part-22):2024, RA2019	ND**	µg/m ³	6
11.	Nickel (Ni)	IS:5182 (P-26):2020 Air Acetylene Method	ND**	µg/m ³	20
12.	Ozone (O ₃)	IS:5182 (P-9), 1974, RA:2019 Colorimetric Method	20.6	µg/m ³	180

Note: # NAAQS - National Ambient Air Quality Standard, Schedule-VII, [Rule 3 (III)], [Part-II-Sub-3(i)] is.

**ND Not Detected

End of report

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Vill: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of client:	ULR No.	TC550725000002938F
M/s. TRANS GLOBAL POWER LTD.	Reporting Date:	12/05/2025
New 220 KVA, SubStation, Manglore, Vill: Kurdi, Roorkee, Uttarakhand	Receipt Date:	07/05/2025
	Format No.:	7.8 F-01
	Party Reference No.:	By Mail

SAMPLE DESCRIPTION

General Information

Sample Collected by	Lab Representative
Sampling Location	Middle Area; Substation
Instrument Used	Sound Level Meter
Instrument Code	ECON/SLM/02
Instrument Calibration Status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	06/05/2025 to 07/05/2025
Time of Monitoring	01:05 PM to 01:05PM
Ambient Temperature (°C)	Min. 28.4°C, Max. 31.7°C
Surrounding activity	Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control measure if any	No
Sampling & Analysis Protocol	CPCB Guideline & IS:9989:1981, RA2020
Parameters Required	As per Work Order

AMBIENT NOISE MONITORING

TEST RESULT

S. No.	Parameters	Test Method	Test Results	Units
1.	Equivalent Noise Level (6.00 AM to 10.00 PM) Day Time	IS-9989:1981 RA2020	65.4	dB
2.	Equivalent Noise Level (10.00 PM to 06.00 AM) Night Time	IS-9989:1981 RA2020	55.7	dB
Requirement as per CPCB Guideline				
		Day	Night	
1.	Industrial Area, dB	75	70	
2.	Commercial Area, dB	65	50	
3.	Residential Area, dB	55	45	
4.	Silence Area, dB	50	40	

End of report

CHECKED BY:



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Vill.: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003

TEST REPORT

Report No. ECON/GW/2505/2939					Limit of as per IS: 10500:2012 with amd. 1,2,3&4 Reaff.2018	
S. No.	Parameters	Test Method	Results	Units	Desirable Limits (Max.)	Permissible Limits the absence of Alternate Source (Max.)
29.	Cyanide as CN	IS 3025 (Part-27) 1986; RA 2019	**BDL (BDL-0.02)	mg/l	0.05	No relaxation
	Phenolic Compound	APHA 24 th Edition 2017, 5530 D	**BDL (DL-0.001)	mg/l	0.001	0.002
	Mineral Oil	Clause 6 IS: 3025 (Part-39), 2021	**BDL (DL-0.01)	mg/l	1.0	No relaxation
32.	Anionic Detergents as MBAS	APHA 24 th Edition 2023, 5540 C	**BDL (DL-0.05)	mg/l	0.2	1.0

*** BDL: Below Detected Limit, DL: Detection Limit, NA: Not Applicable

End of Report

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AUTHORIZED SIGNATORY:

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Vill.: Khabarwala, P.O.: Jainanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of client:		ULR No.	TC550725000002939F
M/s. TRANSGLOBAL POWER LTD. New 220 KVA, Substation, Manglore, Vill. Kurdi, Roorkee, Uttarakhand		Reporting Date:	12/05/2025
		Date of sampling:	06/05/2025
		Receipt Date:	07/05/2025
		Period of Testing:	08/05/2025 to 12/05/2025
		Sample Collected By:	Lab Representative
Sample Description		Sampling Type:	Grab
Sample Location:		Preservation:	Refrigerated
Sampling & Analysis Protocol		Format No.:	7.8-F-01
Sample Quantity:		Party Reference No.:	By Mail
		Parameter Required:	As Per work Order

TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limit of as per IS: 10500:2012 with amd. 1.2.3&4 Reaff.2018	
					Desirable Limits (Max.)	Permissible Limits the absence of Alternate Source (Max.)
1.	pH (at 25°C)	IS-3025 (P-11) 2022 Electrometric Method	7.20	-	6.5 to 8.5	No relaxation
2.	Color	IS 3025 (P-4) 2021, Platinum cobalt (visual comparison method)	< 10	Hazen	5	15
3.	Turbidity	IS 3025 (P-10) 2023 Nephelometric method	< 1.0	NTU	1	5
4.	Taste	IS 3025 (Part-5) 2018	Agreeable	-	Agreeable	Agreeable
5.	Total Hardness as CaCO ₃	IS 3025 (P-21) 2009, RA 2019, (a) Ethylenediamine tetra acetic acid (EDTA) method	124.6	mg/l	200	600
6.	Calcium as Ca	IS 3025 (P-40) 1991, RA 2019, (a) EDTA titrimetric method	24.8	mg/l	75	200
7.	Alkalinity as CaCO ₃	IS 3025 (P-23) 2023 Titrimetric Method	56.4	mg/l	200	600
8.	Chloride as Cl	IS 3025 (P-32) 1988, RA 2019 Argentometric Method	29.6	mg/l	250	1000
9.	Magnesium as Mg	IS 3025 (P-46) 2023 Volumetric method using EDTA	15.3	mg/l	30	100
10.	Total Dissolved Solids	IS 3025 (P-16) 2023 Gravimetric method	145.0	mg/l	500	2000
11.	Sulphate as SO ₄	IS 3025 (P-24/ Sec-1) 2022 Turbidity method	18.5	mg/l	200	400

CHEK BY:

AUTHORIZED SIGNATURE:

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Vill: Khairwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

S. No.	Parameters	Test Method	Results	Units	ULR No. TC550725000002939F	
					Limit of as per IS: 10500:2012 with amend. 1,2,3 & 4 Reaff 2018	
					Desirable Limits (Max.)	Permissible Limits the absence of Alternate Source (Max.)
13.	Fluoride as F ⁻	APHA 24 th Edn 2023, 4500 F-D SPADNS Method	** BDL (xDL-0.05)	mg/l	1.0	1.5
14.	Nitrate as NO ₃	IS 3025 (P-34) 1988, RA 2019, (a) Chromotropic acid method	** BDL (xDL-0.05)	mg/l	45	No relaxation
15.	Iron as Fe	IS 3025 (P-53) 2003, RA 2019, 1,10 Phenanthroline Method	** BDL (xDL-0.05)	mg/l	1.0	No relaxation
16.	Aluminum as Al	IS 3025 (P-55) 2003	** BDL (xDL-0.50)	mg/l	0.03	0.2
17.	Boron	IS 3025 (P-57) 2005, RA 2017, (b) Colorimetric curcumin method	** BDL (xDL-0.001)	mg/l	1.0	2.4
18.	Hexa Chromium as Cr+6	IS 3025 (P-52) 2003, RA 2019, Diphenylcarbazide method	** BDL (xDL-0.07)	mg/l	0.05	No relaxation
19.	Zinc as Zn	IS 3025 (Part-49) 1994, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.02)	mg/l	5	15
20.	Copper as Cu	IS 3025 (Part-42) 1992, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.10)	mg/l	0.05	1.5
21.	Manganese as Mn	IS 3025 (Part-59) 2006, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.001)	mg/l	0.1	0.3
22.	Cadmium as Cd	IS 3025 (Part-41) 1992, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.001)	mg/l	0.003	No relaxation
23.	Lead as Pb	IS 3025 (Part-47) 1994, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.05)	mg/l	0.01	No relaxation
24.	Selenium as Se	IS 3025 (Part-56) 2003, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.01)	mg/l	0.01	No relaxation
25.	Arsenic as As	IS 3025 (Part-37) 1988, RA 2019, (b) Atomic Absorption Method	** BDL (xDL-0.01)	mg/l	0.01	No relaxation
26.	Mercury as Hg	IS 3025 (Part-48) 1994, RA 2019	** BDL (xDL-0.01)	mg/l	0.001	No relaxation
27.	Total Coliform	IS:1622,1981(Reaffirmed 2003)	Absent	100ml	Absent	NA
28.	E. Coli	IS:1622,1981(Reaffirmed 2003)	Absent	100ml	Absent	NA

CHECKED BY:

AUTHORIZED SIGNATURE:

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