

Environmental Safeguards Monitoring Report (EMR)

Reporting Period {From Jan 2025 to June 2025}


Date { 21st July 2025}

Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project Generation Efficiency Improvement Component -TPGL

Prepared by the Tripura Power Generation Limited (TPGL) for the Asian Development Bank

LIST OF ABBREVIATIONS

ADB	Asian Development Bank
ASI	Archaeological Survey of India
BIS	Bureau of Indian Standards
BOQ	Bill Of Quantities
CAP	Corrective Action Plan
CEA	Central Electricity Authority
CPCB	Central Pollution Control Board
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EHS	Environmental Health and Safety
EIA	Environmental Impact Assessment
EMA	Environment Monitoring Agency
EMF	Electromagnetic Field
EMP	Environmental Management Plan
ESMC	Environmental and Social Management Cell
ESMU	Environmental and Social Management Unit
GOI	Government Of India
GOT	Government Of Tripura
GPS	Global Positioning System
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
H&S	Health and Safety
IA	Implementing Agency
IBAT	Integrated Biodiversity Assessment Tool
IEE	Initial Environmental Examination
IFC	International Finance Corporation
KBA	Key Biodiversity Areas
KW	Kilowatt
LILLO	Line-In Line-Out
TSPCB	Tripura State Pollution Control Board
TERC	Tripura Electricity Regulatory Commission
TPGL	Tripura Power Generation Limited
TSECL	Tripura State Electricity Corporation Limited
TTAADDC	Tripura Tribal Areas Autonomous District Council
MOP	Ministry of Power
MOEFCC	Ministry of Environment, Forest and Climate Change
MW	Megawatt
MVA	Million Volt Ampere
NGO	Non-Government Organization
OHS	Occupational Health and safety
O&M	Operation and Maintenance
PAM	Project Administration Manual
PIC	Project Implementation Consultant
PMU	Project Management Unit


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PIU	Project Implementation Unit
ROW	Right of Way
SPS	Safeguard Policy Statement
UNEPA	United Nations Environment Protection Agency
VA	Volt-Ampere
WHO	World Health Organization

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EXECUTIVE SUMMARY

Project Name: Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project. Generation Efficiency Improvement Component -TPGL	
Executing Agency	Power Department, Government of Tripura.
Implementing Agency	Tripura Power Generation Limited (TPGL)
Environment Safeguards Categorization	A
Environment Safeguards Documentation	Environmental Impact Assessment (EIA) – [March 2022] - https://www.adb.org/projects/documents/ind-51308-009-eia
Project Stage Obtained	
Detailed Design Required Post-Approval	Yes
Contract(s) Awarded	LOA issued on 9 th Jan2025 for EPC Contract. Agreement signed on 05/03/2025
Bidding Document(s) Include EMP Cleared by ADB	Yes
Contract(s) Awarded Include EMP Cleared by ADB	LOA issued on 9 th Jan2025 for EPC Contract
National Environment, Health and Safety Clearance(s) Obtained	Environment Clearance received other statutory clearances are yet to be obtained by TPGL.
Contractor(s) Given Access to Site	yes
Construction Progress (%)	Survey work started
Unanticipated Impacts including Change of Scope or Design	NA
Number of Site Inspections and Audits Undertaken by Environment Safeguards Staff in Reporting Period	NA
Corrective Action Required from Previous Reporting Period	NA
Outstanding Corrective Action this Reporting Period	NA
Non-Compliances Recorded this Reporting Period	NA
Corrective Action Required	NA
Number of Health and Safety	NA

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Incidents	
GRM Functional	Yes
Number of Unresolved Grievances from Prior Reporting Period	NA
Number of Grievances Received in Reporting Period	NA
Number of Grievances Resolved this Reporting Period	NA
Number of Grievances Still Outstanding	NA
Number of Grievances referred to Court of Law	NA
Number of Grievances referred to the Accountability Mechanism	NA

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1.0 Introduction

1.1 Brief Project Description

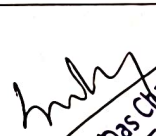
TPGL Component:-

The executing agency for the Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project is the Power Department, Government of Tripura. The implementing agency for the Generation Efficiency Improvement component of the Project is TPGL. The scope of the Generation Efficiency Improvement component includes:

- (i) Establishment of 120 MW CCGT Power Plants at Rokhia, Sepahijala, Tripura, India.

Safeguard Requirements: The Environment Safeguards Categorization of this project is A. and ADB Safeguards Documentation which will be applicable for the Generation Efficiency Improvement component is:

Title	Document Type	Document date	Reference
Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project: Rokhia 120 MW Combined-Cycle Gas Power Plant Draft Environmental Impact Assessment	Environmental Impact Assessment	Mar 2022	<u>Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project: Rokhia 120 MW Combined-Cycle Gas Power Plant Draft Environmental Impact Assessment Asian Development Bank (adb.org)</u>
Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project: Revised Combined Resettlement and Indigenous Peoples Plans	Combined Resettlement and Indigenous Peoples Plans	Oct 2022	<u>Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project: Revised Combined Resettlement and Indigenous Peoples Plans Asian Development Bank (adb.org)</u>


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The EIA including EMP are considered sufficient to meet the environmental assessment requirements of ADB for the Generation Efficiency Improvement component. However, before the commencement of works, in case of any unanticipated scope or design changes occurring during project implementation, the EIA and EMP will be updated by TPGL and cleared by ADB.

Contracting Arrangement: One EPC contract have been awarded for construction of the CCGT Power Plant and one contract will be awarded for project implementation consultant support.


Safeguard Implementation Plan: TPGL is in the process to establish a safeguard unit initially as part of the project management unit to support EMP implementation, supervision, and monitoring during both construction and operation. This will be staffed with a suitably qualified and experienced Environmental and Social Safeguard Officer and a Health and Safety Officer (with professional certification) both with 12-15 years of experience. Project implementation consultants will include an Environment Consultant (with ecological expertise) and Health and Safety Consultant with professional certification to assist with site-specific assessment and provide on-site support, as well as capacity building and trainings.

Further, the EPC Contractor is supposed to have suitably qualified and experienced, dedicated on-site counterpart staff including an Environment Manager and Health and Safety Manager with professional certification supported by several health and safety stewards on-site. ADB TA consultants will help TPGL develop standard operating procedures (SOP) addressing the environment, health and safety impacts and risks of its substations, test laboratory, and maintenance including recording of any occupational and community health and safety incidents.

External monitor has yet to be appointed.

Project Site location:

As on date, TPGL owns 38.59 Acre land at Rokhia, Sepahijala, Tripura, India for the upcoming CCGT Power Plant.


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1.2 Project Progress Status and Implementation Schedule

LOA issued on 9th Jan2025 for EPC Contract .

Project Component/Stage	Target Completion Date	Progress Status	Percent Completed	Remarks
Power Plant Component (construction phase)				
• Contract award	YES	LOA issued on 9 th Jan2025 for EPC Contract & Contract signed on 05/03/2025		Survey work started
• Construction	Yes	Survey work started		

2.0 Compliance to National Regulations and International Agreements

National Regulation or International Agreement	Compliance Requirements under the Regulation or Agreement including any Environmental Clearances Required	Compliance Status	Remarks
EIA Notification 2006 as amended to 2016	Environmental Clearance	MOEF & CC issued Environmental Clearance vide File no J-13012/13/2014-IA-I(T) Dt 07/12/2024	
The Water (Prevention and Control of Pollution) Act, 1974 The Water (Prevention and Control of Pollution)	Consents to Establish and Operate (Power Plant)	Applied to TSPCB. Likely to be received by July 2025	

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Rules, 1975			
The Air (Prevention and Control of Pollution) Act, 1981 The Air (Prevention and Control of Pollution) Rules, 1982	Consents to Establish and Operate (Power Plant)	Applied to TSPCB	
Central Ground Water Authority (CGWA) Notification no. 21-4/Guidelines/CGWA/2009-832 dated 14th October 2009	NOC for ground water withdrawal	NOC Received	
Indian Forest Act, 1927 Forest (Conservation) Act, 1980 as amended Forest (Conservation) Rules, 2003 & its amendments	Tree felling/trimming permissions	Expected to be obtained shortly	
Other regulations and agreements per EIA	To be complied with prior to construction	N/A at this stage	To be reported on once contract awarded
Other regulations and agreements per EIA	To be complied with prior to construction	N/A at this stage	To be reported on once contract awarded

As per the EIA, national clearances, permissions and NOCs to be obtained for the project by both the TPGL and the EPC contractor are given in Table 2-2.

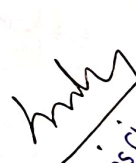

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Table 2-2: List of Consent Requirements for the CCGT Power Plant at Rokhia under TPGL

Sl. No.	Clearances / Permissions / NOC	Authority	Responsible Party	Status as of 31 st Dec 2024	Remarks
1	Prior Environmental Clearance	MoEFCC / SEIAA	TPGL	MOEF & CC issued Environmental Clearance vide File no J-13012/13/2014-IA-I(T) Dt 07/12/2024	
2	Consent to Establish (Power Plant)	TPCB	TPGL	Applied to TSPCB	Likely to be received by July 2025
3	Tree felling/trimming permissions	State Forest Department	TPGL	Applied for approval	To be obtained prior to construction
4	NOC for groundwater withdrawal	CGWA	TPGL	NOC obtained	NOC obtained
5	Consent to Operate (Power Plant)	TPCB	TPGL	N/A at this stage	To be obtained prior to commissioning and operation
6	Certificate of Registration of Principal Employer	Labour Commissioner, Ministry of Labor and Employment	TPGL	N/A at this stage	To be obtained prior to construction

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Sl. No.	Clearances / Permissions / NOC	Authority	Responsible Party	Status as of 31 st Dec 2024	Remarks
7	Consent to Establish (CTE) construction plant	State Pollution Control Board	EPC Contractor	Applied to TSPCB	Likely to be received by July 2025
8	Consent to Operate (CTO) construction plant	State Pollution Control Board	EPC Contractor	N/A at this stage	To be obtained prior to construction
9	Labour License	Labour Commissioner, Tripura	EPC Contractor	N/A at this stage	To be obtained prior to construction
10	Workers Insurance	Ministry of Labor and Employment	EPC Contractor	N/A at this stage	To be obtained prior to construction
11	Pollution Under Control Certificates for construction vehicles	Motor Vehicles Department	EPC Contractor	N/A at this stage	To be obtained prior to construction

3.0 Compliance to Environmental Covenants from the ADB Loan Agreement

Compliance with the environment safeguard covenants are detailed in the following table.

Schedule #, Para. #	Covenant	Compliance Status	Remarks

4.0 Compliance to Project Administration Manual (PAM)

Compliance with the pertinent PAM requirements are detailed in the following table.

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Organization	Tasks	Compliance Status	Remarks
Executing Agency	Power Department, Government of Tripura.		
Implementing Agency	Tripura Power Generation Limited (TPGL)		
Project Monitoring Consultants		Bid Evaluation completed	Bid Evaluation completed
External Monitor		Agreement will be signed within few days with 1 st ranked candidate.	
Contractor		On effectiveness of contract	

5.0 Compliance to Contract

Contract signed on 05/03/2025.

6.0 Compliance to Environmental Management Plan

Compliance with the pre-construction requirements of the EMP that are the responsibility of TPGL is detailed in the following table.

Item #	Requirement	Prior Corrective Action	Compliance Status	Remarks
				Will be comply as and when required

All the issued bidding documents have incorporated the required EMP plan and its related responsibilities.

7.0 Environmental Supervision and Monitoring Results

7.1 Environmental Supervision

Construction work has not yet started, there has been no training undertaken in the period and status will be updated in the next monitoring report.

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7.1 Environmental Supervision

Construction work has not yet started, there has been no training undertaken in the period and status will be updated in the next monitoring report.

Agreement will be signed for External Environment Monitor with 1st ranked candidate within few days

7.2 Quantitative Environmental Monitoring

Construction work has not yet started, there has been no pre-construction environmental monitoring in the period and status will be updated in the next monitoring report.

7.3 Pollution Control Monitoring

Construction work has not yet started.

7.4 Occupational and Community Health and Safety Monitoring

No construction work has commenced yet.

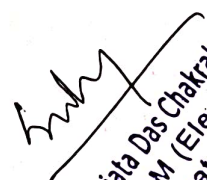
8.0 Meaningful Consultation and Grievance Redress

Further consultation is yet to happen, and status will be updated in the next monitoring report.

No grievance received as work has not been started yet.

9.0 Conclusions and Recommendations

EPC contract signed on 05/03/2025 MOEF & CC issued Environmental Clearance vide File no J-13012/13/2014-IA-I(T) Dt 07/12/2024. The external monitor will be appointed within July 2025. The GRM system set up needs to be disseminated to affected communities.


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