

Environmental Monitoring Report

PUBLIC

Project Number: 53276-002
Semi Annual Report (October 2024 - March 2025)
July 2025

India: Tripura Urban and Tourism Development Project

PART E

Prepared by Project Management Unit, Urban Development Department, Government of Tripura
for Asian Development Bank (ADB).

This environmental monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or Staff, and may be preliminary in nature. Your attention is directed to the "terms of use" section of ADB's website.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, ADB does not intend to make any judgments as to the legal or other status of any territory or area.

Sl. No.	Date	Place of Consultation	No. of Participants	Male	Female	Points Discussed	Photographs
						construction materials have been found during the visit and maintain all the register as soon as in the work area. • It has been suggested to make a cooperative report of previous master plan and currently revised master plan. • During discussion it has come out that consultants wanted to make section wise master plan. • Also suggested in all the work are should maintain the same labour rate in all categories of labours (skilled, unskilled, semi-skilled). • Suggest to contractor conduct awareness program to local peoples for the animals of the village should not enter the working area. And with everyone's consent, a gate should be made here Outcomes of Consultation: • NOC papers are attached to the report • Labours are enough/better than before aware about the rules and safety manuals etc. • Revise the master plan • Construct a gate is under progression.	 

Attendance Sheet of Consultation at Sonamukhi

**Tripura Urban and Tourism Development Project
(Funded by ADB)
Tripura Urban Planning and Development Authority (TUDA), UDD
&
Tripura Tourism Development Corporation Limited (TTDCL), TT**

Name of the Town/Tourist Destination: Sonamukhi (Kaibekshahar)Address: Kaulikura, U.K.T. Tripura, Ward No: 4, Date: 14/11/24Attendance of Public/Stakeholder Consultation

Sl. No.	Name	Male/Female	Contact No.	Signature
01	Premad Singh	Male	7005177959	P Singh
02	Bejoy Kumar Tripura	Male	9366501504	Bejoy
03	Biprajit Das	Male	9113972188	Biprajit
04	Primalch Sanyal	Male	9862778359	Primalch
05	Pradip Das	Male	9862751227	Pradip
06	Netha Paul Choudhary	Female	8974904982	Netha Choudhary
07	Pranoti Shil	Female	9862658650	Pranoti Shil
08	Palash Das	Male	982874804	Palash Das
09	Paritosh Das	Male	9366833346	P. Das
10	Naxosh Thapa	Male	6003509451	Naxosh Thapa
11	Raju Debnath	Male	9863326309	Raju Debnath
12	Apur Das	Male	6909813355	Apur Das
13	Subrata Sinha	Male	9836006355	Subrata Sinha
14	Shahid Pannas	Male	9432586658	Shahid
15	Raj Kumar Tinsae	Male	7002386257	Raj Kumar
16	Suman Kanjilal	Male	7407458344	Suman Kanjilal
17	Chirantan Kan	M	8787375982	Chirantan Kan
18	Krishnamurthy	M	9366226183	Krishnamurthy
19	Heru Debbarma	M	8974656267	Heru Debbarma
20	J. Chakraborty	Male	8761305667	J. Chakraborty
21	Sujoy Chakraborty	Male	9862446728	Sujoy Chakraborty
22	Kale S. Ghosh	Male	9881817118	Kale S. Ghosh
23	Suamida Begam	Female	8132049783	Suamida Begam

Tripura Urban and Tourism Development Project
(Funded by ADB)
Tripura Urban Planning and Development Authority (TUDA), UDD
&
Tripura Tourism Development Corporation Limited (TTDCL), TT

Name of the Town/Tourist Destination: Sonamukhi (Kaibatalam)
Address: Kailashakun M.C.U.T., Ward No: 04, Date: 19/11/2024

Attendance of Public/Stakeholder Consultation

Sl. No.	Name	Male/Female	Contact No.	Signature
01	Majidul Islam	Male	9394024043	Majidul Islam
2	Junab Ali	Male	9395145485	Junab Ali
3	Tahob Ali	Male	6000065583	Tahob Ali
4	Soban Ali	Male	NA	Soban Ali
5	Shafiq Uddin	Male	9395555846	Shafiq Uddin
6	Banidul Islam	Male	NA	Banidul Islam
7	Debas Ali	Male	NA	Debas Ali
8	Paban Ali	Male	9678574663	Paban Ali
9	Moghan Ali	Male	NA	Moghan Ali
10	Maminul Islam	Male	8134039353	Maminul Islam
11	Anis Uddin	Male	NA	Anis Uddin
12	Rhadagan ali	Male	6000292319	Rhadagan ali
13	Mustafa	Male	8135015622	Mustafa
14	Sona miq	Male	9126749633	Sona miq
15	Rezaul haque	Male	NA	Rezaul Haque
16	Habib Uddin	Male	7002785203	Habib Uddin
17	Kodom ali	Male	9887198727	Kodom ali
18	Tahodul Islam	Male	9395002776	Tahodul Islam
19	Ataban ali	Male	NA	Ataban ali
20	Mantaz ali	Male	7002849193	Mantaz ali
21	Farisul Haque	Male	NA	Farisul Haque
22	Tazruddin shiekh	Male	986486483	Tazruddin shiekh
23	Shaukat Ali	Male	9394295992	Shaukat Ali
24	Mizanur Rahman	Male	7002811357	Mizanur Rahman

Tripura Urban and Tourism Development Project
(Funded by ADB)
Tripura Urban Planning and Development Authority (TUDA), UDD
&
Tripura Tourism Development Corporation Limited (TTDCL), TT

Name of the Town/Tourist Destination: Sona mukhi (Karlabhahan)

Address: Karlabhahan, U.T., Ward No: 04, Date: 14/11/2024

Attendance of Public/Stakeholder Consultation

Sl. No.	Name	Male/Female	Contact No.	Signature
25	Mogbul Hussan	Male	6002945115	Mogbul Hossain
26	Bannat Ali	Male	6000185206	Bannat Ali
27	Shakawat Ali	Male	6001566912	Shakawat Ali
28	Jahedul Ali	Male	9011420869	Jahedul Ali
29	Sharif Uddin	Male	600148350	Sharif Uddin
30	Saifur Rahman	Male	NA	
31	Rezabul	Male	NA	Rezabul

APPENDIX 15: SITE INSPECTION REPORT**A. Site Inspection Report – EMP application by PMSC****Site Observation – Environment Safeguard application**

Package- Development of Sonamukhi Eco Accommodation & Adventure Park and Rehabilitation of Unakoti Tourist Lodge at Kailashahar (TTDCL/UKT/W04)

Project Management Supervision consultancy (PMSC) team comprising Dr. Ardhendu Mitra, Environment Specialist, Mr. Prithwiraj Kundu, Environment Safeguards Support, Mr. Manish Bhaskar Ingle, Construction Management Expert and Ms. Mahamaya Tiwari, Landscape Architect visited **Sonamukhi Eco-Tourism Accommodation and Adventure Park site on 21st November, 2024** to review present status of Environmental & Social safeguard application as per EMP. Present compliance issues and further requirements discussed specially with Environment Expert and HSE Officer.

Persons present

Sl. No.	Name	Designation	Phone no.
1.	Dr. Ardhendu Mitra	Environmental (Safeguards and Climate Change) Expert, PMSC	9830415953
2.	Mr. Prithwiraj Kundu	Environment Safeguards Support, PMSC	7890094318
3.	Mr. Manish Bhaskar Ingle	Construction Management Expert, PMSC	
4.	Ms. Mahamaya Tiwari	Landscape Architect, PMSC	
5.	Mr. Shahid Parvez	EHS Officer, Tribeni Construction Ltd.	9432586656
6.	Mr. Subrata Sinha	Env. Safeguards Expert, Tribeni Construction Ltd., Tribeni Construction Ltd.	9836006555
7.	Mr. Palash Das	Quality Control, Tribeni Construction Ltd.	9862874804
8.	Mr. Suman Kanjilal	Site Engineer, Tribeni Construction Ltd.	7407458344
9.	Mr. Biprojit Das	Site Engineer, Tribeni Construction Ltd.	9113972188
10.	Mr. Bijay Tripura	Deputy Project Manager, Tribeni Construction Ltd.	9366501504
11.	Mr. Raj Kumar Tiwari	Project Manager, Tribeni Construction Ltd.	7002386257
12.	Chirantan Kar	Construction Supervisor, PMSC-TUDA	8787345982
13.	Sujoy Das	Construction Supervisor, PMSC-TUDA	9735156591

Site photos



Fig. 1a, 1b: Display board, Signboards depicting safety considerations at site in English as well as local language



Fig. 2: First Aid box available



Fig. 3: Fire Extinguisher with instructions



Fig. 4: Workers' camp- satisfactory



Fig. 5: Drinking water storage after collection from bore well



Fig. 6a, 6b: Diesel Storage room with proper diesel storage. Metal tray placed below the storage drum. Fire extinguisher available



Fig. 7a, 7b: Ongoing construction work at Adventure Camp site with proper PPE



Fig. 8: Proper steel material storage area



Fig. 9: Aggregate storage area. Proper dressing is required



Fig. 9: Ladies toilet available at camp and work site



Fig 10: Gents toilet available at camp and work site



Fig. 11: Green DG placed at site. Contact no. of Electrician needs to be placed



Fig. 12: First aid station demarcated



Fig. 13: Complete use of PPEs by workers during concreting work



Fig. 14: Top soil stored at site



Fig. 15: Consultation with construction agency at site office



Fig. 16: Trees are saved through proper selection of road alignment

Site observations for necessary compliance

- Both Environment Expert and HSE officer of contractor are present at site.
- Construction has started for manager's quarter, banquet hall, outer periphery fencing as well as driveway.
- 42 workers were present at site (of which 12 were local), including 2 females (local). Contractor has been advised to maintain 50 workers (50% local) at any given time.
- Pre-construction environmental baseline monitoring for ambient air quality, surface water quality, ground water quality and ambient noise levels was carried out between 30.04.2024 and 01.05.2024. Contractor has to undertake environmental monitoring for ambient air quality, surface water quality, ground water quality and ambient noise levels as per the SEMP/IEE. Environmental monitoring has to be undertaken in December, 2024.
- Submission of Monthly Progress Reports has to be submitted by the contractor as per the requisite format. Format will be provided by the PMSC
- Project display board, safety signage boards are available at site.

- Emergency contact no. board needs to be enlarged for proper viewing.
- Cooking stove needs to be placed above the level of the gas cylinder in the kitchen.
- Availability of first aid box with first aid materials and drinking water facility at work site is noted. Details of person to be contacted for availing the first aid kit needs to be provided at site.
- Storage area of aggregate materials noted (Fig. 9). However, aggregate materials were found to be spilling out from the area. Proper containment and dressing is necessary.
- A Material Safety Data Sheet (MSDS) needs to be provided in the diesel storage room.
- Tie up has been obtained with local hospital for check up and treatment of workers. Health camp needs to be arranged by the contractor within December 2024
- At Electrical room, contact no. of Electrician needs to be placed
- Assemble points need to be marked
- Executive summary of IEE and EMP needs to be placed at site office

Overall application of EMP- Satisfactory

Submission of compliance report with photographic evidence is required within 7 days after receive of the letter.

Prepared by:	Mr. Prithwiraj Kundu Environment Safeguards Support, PMSC-TUTDP
Checked by:	Dr. Ardhendu Mitra Environmental (Safeguards and Climate Change) Expert, PMSC -TUTDP
Approved by:	Dr. Jyotirmoy Sarma Team Leader cum Project Management Expert, PMSC -TUTDP

B. Sample - Site Inspection and Compliance report – CONTRACTOR

Environment Monitoring Program

Monthly Report- January 2025

Location: Udaipur

EMP Implementation Status and Issues

Project: Design, Build and Operate (DBO) Contract for Comprehensive Water Supply Improvement Works for Bishramganj, Melaghar, Udaipur, Amarpur and Belonia (Cluster IIA Towns) of Tripura.

Status

1. EMP Implementation- EMP implementation done at site
2. Consents and Approvals- we got the approvals
3. EC/Consent to establish/operate of stone crusher- Not applicable
4. PUC certificates for vehicles & equipment- Yes, available
5. Diesel generator sets- Not Applicable in site
6. Environmental and Social safeguard officer- Available
7. Environment Reporting Format- yes
8. Main activities of the month- OHT column and Beam reinforcement, concrete pouring.
9. Action taken on noncompliance to environment safeguards



(Name & Signature of Safety Officer of Contractor)

C.

Monitoring Format- Monthly * (After site visit atleast 4 times in a month) Filling up by Environment-safety officer/ PM/ Dy. PM of contractor in presence of Environment Spl/ Environment Support staff of PMSC

MONTHLY ENVIRONMENTAL COMPLIANCE MONITORING FORMAT FOR SUB-PROJECT

MONTH/YEAR: January/2025		
PROJECT (PACKAGE): ADB Project, Water supply improvement work		
WORKING LOCATION: Cluster IIA Towns		
DATE OF OBSERVATION: 18/01/2025		
NAME OF THE MONITORING PERSONS	FROM PMSC (Designation): Dr. Ardhendu Mitra (Environment Expert) Mr. Prithwiraj Kundu (Environment Support)	FROM CONTRACTOR (Designation): Selvaganapathy (Safety Engineer)

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
1 Pre- Construction activity							
1a	Shifting of Telephone lines, electric poles and wires, water lines within proposed project area						Not applicable in site
1b	Procurement of materials from licensed source				✓		
1c	Permits, consents, clearances, NOCs required for the execution of the project.				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
1d	Proper arrangement for construction water, without disrupting the usage by local community				✓		
1e	Monitoring of environmental baseline parameters before the start of construction				✓		
1f	Public Consultations				✓		
1g	Impact on sensitive areas (ASI monuments, and Ramsar wetland) due to proposed construction works.						Not applicable
Construction Activity							
2.	Mitigation/protection of Land Environment- maintaining aesthetic						
2a	Proper storage of construction materials and petroleum products –avoidance of land pollution				✓		
2b	Proper disposal of unusable soils and spoils to pre-approved disposal sites				✓		
2c	Follow waste management plan				✓		
2d	Storm water control and wind screening to prevent land contamination from sludge/ drainage silt						Not required for site

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
2e	Residual and hazardous wastes such as oils, fuels, and lubricants shall be disposed of in disposal sites approved by local authorities/Tripura State Pollution Control Board (TS PCB)				✓		
3.	Mitigation/protection of Air Environment						
3a	Water sprinkling at construction site for arresting dust (if any during dry period)				✓		
3b	Cover or damp down sand stockpiled at site			✓			To be done at site
3c	Provision of dust screen/high compound wall around the construction sites (overhead reservoirs)			✓			To be done at site
3d	Keep vehicles and machinery in good working order and meet manufacturers specifications for safety, fuel consumption etc.				✓		
3e	Covering of materials carrying vehicles-reducing dust hazard			✓			
3f	Vehicles and Equipment having Pollution Under Control Certificate				✓		
3g	Limit the stocking of excavated material at the site; remove the excess soil from the site immediately to the designated disposal area for controlling dust				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
3h	Fires not allowed at site				✓		Proper housekeeping done at site.
3i	Carrying out air quality monitoring				✓		
4.	Mitigation of Noise						
4a.	Regular maintenance of noise producing equipment				✓		
4b.	At sensitive locations enclosures provided around generator set and other noise producing machinery				✓		
4c.	Use of ear plug by the workers at noise generating location – road cutting time				✓		We will provide ear plug to workers During road cutting work
4d	Locate concrete batching, asphalt, crushing plants, lay down areas and construction camps away from sensitive receptors						Concrete batching plant not applicable at site.
4e	Plan construction activities to reasonable working hours where near sensitive receptors.						Not applicable
4f	Fit and maintain silencers to all machinery on site				✓		Machinery Maintains work done on weekly basis.
4g	Consult local community before start of work and inform about the work				✓		
4h	Monitor noise levels at working area (specifically near sensitive areas)				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
5.	Mitigation / protection of Water Environment						
5a.	Protection of water bodies nearby the project site by application of suitable mitigation measures- not to discharge waste water in nearby water/body				✓		
5b	Chemicals or hazardous substances do not contaminate the water body or ground water at site				✓		
5c	Install temporary silt traps or sedimentation basins along the drainage leading to the water bodies						It is not required for site.
5d	Place storage areas for fuels and lubricants away from any drainage leading to water bodies				✓		
5e	Store fuel, construction chemicals etc., on an impervious floor, also avoid spillage by careful handling				✓		
5f	All earthworks be conducted during the dry season to prevent the problem of soil run-off during monsoon season				✓		
5g	Pump out the water collected in the pits / excavations to a temporary sedimentation pond						Not applicable
5h	Surface quality inspection according to the environmental management plan (EMP)						Not applicable

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
6.	Mitigation / protection of Biological Environment						
6a.	Vegetation clearing and tree-felling have prior permission as the work front progresses.						Not applicable
6b.	Plant and maintain five trees for every one removed- in case of tree felling (if any)				✓		
6c.	Clearing of indigenous vegetation is kept in a nursery for use at a later stage (such as site rehabilitation process)				✓		
7.	Mitigation of Socio-economic Environment						
7a.	Level of mitigation measures for local people- placement of caution tape and barricade at excavated area				✓		
7b.	Avoidance of pick traffic hour for carrying of materials like pipe				✓		
7c.	Arrangement of employment at least 50% of workforce from communities near sites				✓		
8.	Mitigation of overall environment, safety and health						
8a.	Use of Personal Protective Equipment like helmet, gumboot, shoes, gloves, nose mask, safety belt and earplugs at working place				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
8b.	Provision of warning signs of hazardous working areas				✓		
8c.	Availability of suitable access at working site				✓		
8d.	Restrict construction vehicle movements to defined access				✓		
8e.	Visibility of workers through their use of high visibility vests when working in or walking through traffic/ equipment movement areas				✓		
8f.	Maintaining safety during movement of equipment- Temporary traffic control (e.g. flagmen) and signs will be provided where necessary to improve safety and provide directions				✓		
8g.	Arrangement of First Aid box and fire extinguisher at Labour camp and site office and at all working sites				✓		
8h.	Arrangement of drinking water at work space				✓		
8i.	Arrangement of temporary toilet at work space				✓		
8j.	Use of modern vehicles and machinery and maintain as specified				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
8k.	Ensure moving equipment is outfitted with audible back-up alarms			✓			We will ensure the all moving equipment. It should be done at site.
8l.	Demarcation of excavations and provide barriers (not just danger tape) to protect pedestrians from open trenches.				✓		
8m.	Enclosure at construction site			✓			
8n.	Placement of public information board with mention of safety requirement at working places				✓		
8o.	Boards for hazardous areas such as energized electrical devices and lines, service rooms housing high voltage equipment, and areas for storage and disposal. Signage				✓		
9	Material Management						
9a	Storage of stockpiles. Stockpiles do not obstruct natural water pathways				✓		
9b	Exposure of stockpile to windy conditions or heavy rain with vegetation, cloth, or tarps.				✓		
9c	Proper transportation of hazardous materials				✓		
10.	Camp site Management						
10a	Camp and working areas are kept clean and tidy				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
10b	Proper drainage of the camp site				✓		
10c	Arrangement of bed			✓			
10d	Arrangement of electricity				✓		
10e	Maintenance of toilets in a clean state				✓		
10f	Maintenance of eating area				✓		
10g	Arrangement of solid waste collection bin, dispose wastes at the pre-approved sites				✓		

Sr. No.	Environmental Issues	Level of application of EMP - Overall					Remarks / Action plan (Site wise)
		Poor	Below Satisfactory	Partially satisfactory	Satisfactory	Excellent	
10h	Collection of litter from the work and camp areas				✓		
11.	Mitigation of Sensitive environment						
11a.	Level of protection at religious, cultural and historic sites if any nearby				✓		
11b.	Maintaining working schedule by avoiding sensitive time				✓		
11c.	Disturbance to Local and Migratory birds due to construction near lakes/water bodies.				✓		

Note: Put ✓ mark in EMP application column

Remarks / action plan column need to be filled up considering present state along with action plan (how and when it will be done)

For each sub-project monitoring should be done at all the working sites, Suggestion should be provided against EMP application level, In case of non-applicable – please write NA/NR in Remarks column


(Name & Signature of Safety Officer of Contractor)


(Name & Signature of monitoring person of PMSC)


(Name & Signature of Environment Engineer, Officer/ Engineer of PWD Agartala.)