Environmental Monitoring Report

PUBLIC

Project Number: 53276-002

Semi Annual Report (March - September 2024)

December 2024

India: Tripura Urban and Tourism Development Project

PART B

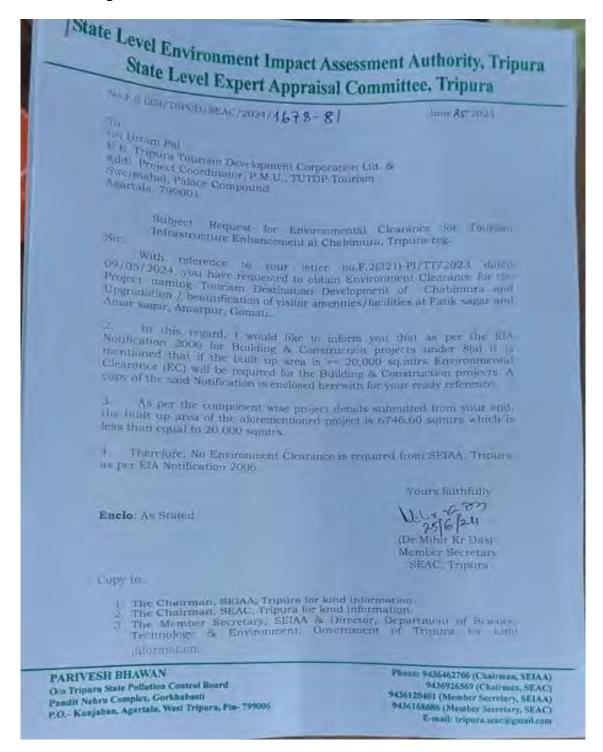
Prepared by Project Management Unit, Urban Development Department, Government of Tripura for Asian Development Bank (ADB).

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APPENDIX 5: ENVIRONMENT CLERANCE- CLARIFICATION

AND APPLICATION FOR NOC - SURFACE AND GROUND WATER USE FOR CONSTRUCTION

Tourism Package: TTDCL/CHB/W 01- EC



Tourism Package: TTDCL/UKT/W04- EC

State Level Environment Impact Assessment Authority, Tripura State Level Expert Appraisal Committee, Tripura

No.F & (25)/TSPCB/SEAC/2024/1682-85

June 25 2024

To Sr. Uttam Pal E.E. Tripura Tourism Development Corporation Ltd. & Addl. Project Coordinator, P.M.U., TUTDP-Tourism Swetmahal, Palace Compound Agartala, 799001

> Subject: Request for Environmental Clearance for Tourism Infrastructure Enhancement at Sonamukhi and Unakoti Tourist Lodge, Tripura-reg.

Sir.

With reference to your letter no.F.2(321)-PI/TT/2023 dated 10/05/2024, you have requested to obtain Environment Clearance for the Project naming Tourism destination development of Sonamukhi Eco-Accommodation and Adventure Park and Rehabilitation of Unakoti Tourist Lodge at kailashahar, Unakoti.

- In this regard, I would like to inform you that as per the EIA Notification 2006 for building & construction projects under 8(a) it is mentioned that if the built up area is >= 20,000 sq.mtrs Environmental Clearance (EC) will be required for the project. A copy of the said Notification is enclosed herewith for your ready reference.
- As per the component wise project details submitted from your end, the built up area of the aforementioned project is 13852.50 sqmtrs which is less than equal to 20,000 sqmtrs.
- Therefore, No Environment Clearance is required from SEIAA, Tripura, as per EIA Notification 2006.

Enclot As Stated

Yours faithfully (Dr. Mihir Kr Dasi Member Secretary SEAC, Tripura

Copy to:

- 1. The Chairman, SEIAA, Tripura for kind information.
- The Chairman, SEAC, Tripura for kind information.
 The Member Secretary, SEIAA & Director, Department of Science. Technology & Environment, Government of Tripura for kind information.

PARIVESH BHAWAN O/o Tripura State Pollution Control Board Pandit Nehru Complex, Gorkhubusti

P.O.- Kunjahan, Agartala, West Tripura, Pin- 799006

Phone: 9436462706 (Chairman, SEIAA) 9436926569 (Chairman, SEAC) 9436120401 (Member Secretary, SEIAA) 9436168686 (Member Secretary, SEAC) E-mail: tripura.seac@gmail.com

(Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii) MINISTRY OF ENVIRONMENT AND FORESTS New Delhi 14m September, 2006 Notification

S.O. (533(E). - Whereas, a draft notification under sub-rule (3) of Rule 5 of the Environment (Protection) Rules, 1986 for imposing certain restrictions and prohibitions on new projects or activities, or on the expansion or modernization of existing projects or activities based on their potential environmental impacts as indicated in the Schedule to the notification, being undertaken in any part of Indian unless prior environmental clearance has been accorded in accordance with the objectives of National Environment Policy as approved by the Union Cabinet on 18th May, 2006 and the procedure specified in the notification, by the Central Government or the State or Union territory Level Environment Impact Assessment Authority (SEIAA), to be constituted by the Central Government in consultation with the State Government or the Union territory Administration concerned under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 for the purpose of this notification, was published in the Gazette of India ,Extraordinary, Part II, section 3, sub-section (ii) vide number S.O. 1324 (E) dated the 15th September ,2005 inviting objections and suggestions from all persons likely to be affected thereby within a period of sixty days from the date on which copies of Gazette containing the said notification were made available to the public;

And whereas, copies of the said notification were made available to the public on 15-September, 2005;

And whereas, all objections and suggestions received in response to the above mentioned draft notification have been duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986, read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986 and in supersession of the notification number S.O. 60 (E) dated the 27_m January, 1994, except in respect of things done or omitted to be done before such supersession, the Central Government hereby directs that on and from the date of its publication the required construction of new projects or activities or the expansion or modernization of existing projects or activities listed in the Schedule to this notification entailing capacity addition with change in process and or technology shall be

ican in agains to see any Sacross many means included in the policient of the dated 01-12-2009 of the Ministry of Environment and Farests, (Published in the Gazette of India, Extraordinary, Part-II, and Sociam 3, Sub-section (i.i., No. 2002) New Delhi, Tuesday, November 1, 2009; an amendment to EC maillication 5.0:1533(1) dated 14.09.2006.

(1)	(2)	(3)		* "General Condition
7(e)	* Ports, harbours, break waters, dredging."	≥ 5 million TPA of cargo handling capacity (nexteding fishing herbours)	< 5 million TPA of cargo handling capacity and/or ports/ harbours ≥10,000 TPA of fish handling capacity	shall apply. Note: 1, Capital dredging inside and outside the ports or harbors and channels are included; 2. Maintenance dredging is exempt provided is formed part of the original proposal for which Environment Management Plan (EMP) was prepared and environmental clearance obtained.
7(17)	Highways	i) New National High ways; and ii) Espansion of National High ways greater than 30 KM, invelving additional right of way greater than 20m involving land acquisition and passing through more than one State.	"I] All State Highway Project; and ii) State Highway saparsion projects in hilly terrain (above 1,000 m AMSL) and or scologically sensitive areas."	General Condition shall apply. Note: Highways include expressways."
7(9)	Aerial ropeways	violati "(i) All projects located at altitude of 1,000 mtr. And above. (ii) All projects located in notified ecologically sensitive areas."	virual "All projects ascept those covered in column (3)."	General Condition shall apply
7(h)	Common Effluent Treatment Plants (CETPs)	SCHOOL STATE	All projects	General Condition shall apply
TIG	Common Municipal Solid Waste Management Facility (CMSWMF)		All projects	General Condition shall apply
8		Building /Construction Townships	n projects/Area Devel	opment projects and
E(3)	Building and Construction projects		220000 sq.mtrs and <1,50,000 sq.mtrs of built-up areal/	#(built up area for covered construction, in the case of facilities open to the say, it will be the activity area)
B(D)	Townships and Area Development projects.		Covering an area 2 50 ha and or built up area 21,50,000 sq .mtrs ++	++All projects under flom 8(b) shall be appraised as Gategory B1

Indian money on an experimental mean prior described in the Gravette of India, Extraordinary, Parell, and Mingrey of Levermaneric and Forests, (Published in the Gravette of India, Extraordinary, Parell, and a compression on the No. 2002 New Delin, Tuesday, November 1, 2009, an amendment to EU matterature 60.1515(1) dated 14.09, 2006

NOC for Surface and Ground water use for construction Urban Package: TUDA/WS-01/P-01 (Cluster IA Water Supply) Application- Khowai- Ground water use

Department of Water Municipal dal Blacks

Department of Water Municipal dal Blacks

Application for Permission to Abstract Ground Water (HOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for Issue of NOS 10 states o

Government of India Ministry of Jul Shakei Department of Water Resources, Rheer Development and Ganga Rejuvenation Certail Ground Water Authority (COWA) Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

		Rooftop area of building/ sheds				140.00		140.00			
		Total				440.00		440.00			
	(vi)	Source of Availability of Surface Wal Infrastructure Use (Submit Water Av Availability Certificate): (\$)									
	(viii)	Average Annual Rainfall in the Area	(in mm):								
	(viii)	Whether Ground Water Utilization for	6	New Indu	stry						
		Date of Commencement Infrastructu	re:								
		Date of Expansion :									
2.	Tota	Number and Type of :									
	a)	Dwelling Units		3							
	b)	Commercials Units		1							
	c)	Industrial Units		0							
	60	Others		0							
3.		Details of Water Requirement (Fresh and Recycled Water Usage) (Flease Enclose Water Flow Chart of Activities and Requirement of Water at each Stage)(5)									
		Total Water Requirement (a+b+c+d)									
				Exis	iting	Proposed		Total			
		Water Requirement Details (Fresh W									
		(a) Ground Water Requirement (m)	Vday):	0.00		10	0.00	10.0			
		(b) Surface Water Available (Canal, River, Ponds etc.) (m3/d	myt:	0.00			0.00	0.0			
		(c) Water Supply from Any Agency	(m3/day):	0.00		(0.00	0.0			
		Total Fresh Water Requirement (a+b+c)(m3/day):		0.00		10	0.00	10.0			
		(d) Recycled Water Usage (m3/day)	E		0.00	(0.00	0.0			
		Total Water Requirement (a+b+c+d)(m3/Day):			0.00	10	0.00	19.0			
1.	(i-a)	Dewatering Required, Whether the Gr	oundwater Tab	ile will be	Intersected	No					
	(40)	Depth (m bgi)									
		Minimum (m bgl)									
		Maximum (m bgl)									
	(b)	Maximum Depth Proposed to Dewate	r (m bgl)								
	(c)	Proposed Quantity of Ground Water to be Dewater		d: (m3/day)							
				(m3/year)							
	0.0	Proposed Utilisation of Pumped Water	w(\$)								
		Any Other Information									
	(1)	Particulars (i-a) is yes (Fill details of I	Dewatering Exi	sting Str	uctures)						

Government of India Ministry of Jal Shakti Department of Water Resources, River Development and Ganga Rejuvenation Central Ground Water Authority (CGWA) Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

	8No.	Na	Type of Structure ame / Year of anstruction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operatio nal Hours (day) / days (year)	5 L	ode of Lift ame	Pow of Pur	np .	mether fitted with Water Meter	Whether Permission Registered with CGWA / if 50 Details Thereof
				yes (Fill deta	ils of Dev	watering Pr		Struc	tures)				
Nun			oposed St				0						
	SNo.	Na	Type of tructure me / Year of onstructio n	Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (day) / days (year)		flode of Lift vame		wer f	The ther fitted with Water Meter	Whether Permission Registered with CGWA / If 50 Details Thereof
(iii)	Brea	kup	of Water F	Requirement	and Usa	ge:							
		A	otivity	Requi	sting rement Vday)	Propo Require (m3/d	ment	Req	Total juirem n3/day		No. o Operati Days in	ional	Annual Requirement (m3/year)
	Residential/Domestic			tio	0.00	3.00			3.00			365	1095.00
	Commercial Activity			ty	0.00		2.00			2.00		365	730.00
	Industrial Activity				0.00		0.00		0.00			0	
	Gree Deve /Env Main	lopr	ment		0.00		0.00			0.00		365	0.00
	Othe	r Us	e		0.00		0.00			0.00		365	0.00
	Gran	d To	otal		0.00		5.00			5.00			1825.00
(iii)	Whether ETP/STP Proposed, if so furnish					h following	following details:					No	
		Brez	akup of Re	cycled Wate	r Usage	(m3/day)			(D	ays)		(m3/year)
	a)	Tota	al Waste V	Vater Genera	ited:								
	b)	Qua	intity of Tr	reated Water	Available	e: 0.00							
		(i) Reuse in Commercial Activity:											
		(ii)		Industrial A	ctivity								
		(iii)	Reuse in Develope	Greenbelt ment :									
		(iv)	Other Us	es									
	c)	Tota	al Treated	Water Utilise	ed:			(0				0
Net	Grou	nd W	Vater Requ	uirement :		10.00 (m3/day)						

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Government of India Ministry of Jal Shakti Department of Water Resources, River Development and Ganga Rejuvenation Central Ground Water Authority (CGWA) Application for Issue of NOC to Motheric Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

4.		Whether Local Government Water Supply Network Exists in the Area, if yes, provide details.(\$)								No			
5.	(1)	Water	Supply Ap	plication 5	itatus					Applied			
	(10	Water	Supply Ag	jency					-	Government			
		n) V	Whether W	ater Supply	Committ	ted				No			
		10 V	Whether W	ater Supply	Denied					No			
6.	(a)	Groun	dwater Ab	straction 5	itructure-	Existing							
	Nun	ber of	Existing 8	tructures:				0					
		SNo.	Type of Structure Name / Year of Construct ion	Depth (Meter) Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operation at Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA / SO Details Thereof		
	(b)	Groun	dwater Ab	straction 5	tructure-	Proposed							
	Nun	nber of	Proposed	Structures	С			1					
		SNo.	Type of Structure Name / Year of Construct ion	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operation at Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA / IF so Details Thereof		
		1	Tubewell	-1-			-/-			Yes	Yes/-		
7.								eport / Note Than 500 r		dwater Condition	on in and		
8.	Impl	ement	Rainwater I ed, details Proposal)	may be Fu	/ Artificia mished. (i Recharge Attach Res	Measures sort on Co	for Groun	dwater Rec re & Feasit	harge in the Ar de Rainwater H	ea. If already arvesting /		
9.	App	roval L	etter of St	ate Govern	nent Agen	cy Approv	ing the Inf	rastructure	Developm	ent			
10.	(Mol	EF) or I	State Pollu	tion Contr	of Board()		tate Level			of Environment mittee(SEAC) o			
				pproval of	Governme	ent Agency	(Previous	:Referral L	etter) No	Record Found	e .		
	Lett	er Num	ber										
11.	Hav	e you A	Applied Ea	rtier for Gn	oundwate	r Clearanc	e Permissi	ion from CC	WA / State	Government A	igency:		
			5 - 5 - 18	eof with \$									

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Government of India
Ministry of Jul Shakii
Department of Water Resources, River Development and Ganga Rejuvenation
Certail Ground Water Authority (COWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

Application Number: 21-4/244/TRINF/2024
NPRASTRUCTURE USE: Set Declaration

I Inemby carefully that the data information furnished above are true to the best of my knowledge and belief and I am aware that If any part of the data information submitted is found to be fable or misleading at any stage, the application will be rejected outright.

I heavily declare that all the mandatory documents prescribed in the application form have been uploaded, and no biank finelevant documents have been uploaded. I am also aware that any faster wrong submission Apleading of documents will lead to rejection of my application without any notice.

It is to certify that no case related to ground water withdrawal/ confamination is pending against the industry project unit as on date. Any such case field against the company/project unit in respect of ground water withdrawal/ confamination during the pencercy of this application shall be immediately brought to the notice of COSW.

I heavily undertake that in case any environmental compensation' penalty is imposed on the firm by any statutory authority. I shall comply with the decision of such authority.

I Application is submitted online on website hispolitique-nos gov in to following office.

2. Application is submitted online on website hispolitique-nos gov in to following office.

Registed Discretice Cercinal Ground Water Board North Eastern Region, Bedruchi, Opposite ISBT., NM-37, Guweshati, KAMILIP METRO, ASSAM, 78535

3. Incomplete application will be currently rejected.

Boarmed Cost Processing Fee of Rts. 10000.00—(Rupees Ten Thousand Only) submitted through NON TAX RECEIPT PORTAL (High infransaction Date—

Note: The Processing Fee of Rts. 10000.00—(Rupees Ten Thousand Only) submitted through NON TAX RECEIPT PORTAL (High infransaction Pagilication.

No. Infransaction Rel. No.—

Bilinear Kosh Transaction Rel. No.—

Bilinear Kosh Transaction Rel.

Ground Water Charge.

Ground Water Arear Ar

1). Site Plan with Location Map (Previous:Site Plan) : (Refer: 1 (iii))

2). Location Map : (Refer: 1 (ii))

3). Documents of Ownership / Lease : (Refer: 1 (v))

No Attachment Found!

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Government of India Ministry of Jal Shakti Department of Water Resources, River Development and Ganga Rejuvenation Central Ground Water Authority (CGWA) Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

Application Number: 21-4/244/TR/INF/2024

Source Water Availability/Non-availability Certificate(Previous:Source of Availability of Surface Water): (Refer: 1 (vi))

No Attachment Found!

Water Balance Flow Chart(Previous:Water Requirement - Flow Chart of Activity and Requirement): (Refer: 3)

S.No	Attachment Name	File Name	
1	Water Balance Flow Chart	WATER BALANCE FLOW CHART KHOWALpdf	

6). Hydrogeological Report (Previous:Groundwater Availability Report): (Refer: 7)

No Attachment Found!

Rain Water Harvesting/Artificial Recharge proposal (Previous:Rainwater Harvesting / Artificial Recharge Measures): (Refer: 8)

No Attachment Found!

8). Authorization Letter (Previous:Authorization):

No Attachment Found!

9). Approval Letter of State Government Agency : (Refer 9)

No Attachment Found!

10). Ground Water Quality:

S.No	Attachment Name	File Name
1	Ground Water Quality Report Tube well	Jeebananda School.pdf

11). Scanned Infrastructure Application:

No Attachment Found!

12). Extra Attachment :

S.No	Attachment Name	File Name	
1	non availability of water	Adobe Scan 14-Aug-2024.pdf	

13). Bharat Kosh Reciept (Porcessing Fee):

No Attachment Found!

14). Application with Signature and Seal:

S.No	Attachment Name	File Name
1	Scanned Copy Of Application With Signature And Sea	APPLICATION WITH SIGNATURE.pdf

15). MSME certificate in case of MSME:

No Attachment Found!

16). Approval from Wetland Authority (in case of project area falling in Wetland zone):

No Attachment Found!

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Urban Package: TUDA/WS-02/P-02 (Cluster IIA Water Supply)

Application- Udaipur- Ground water

Government of India

Department of Water Resources, River Development and Ganga Rejuvenation
Central Gorsus Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Relication for Permission to Abstract Ground Water (NOCAP)

(Application for New NOC)

	eral Information:						
	er Quality:		Fresh Water				
	dication Type Category/ Typ	e of Application:	Water Treatment Plant				
	Name of Infrastructure:		ECO PROTECTION ENGI				
(10)		astructure Unit- (Attach Appro					
	Address Line 1 :		WATER TREATMENT PL	ANT			
	Address Line 2 :		UDAIPUR				
	Address Line 3 :						
	State:		TRIPURA				
	District:		GOMATI				
	Sub-District:		MATABARII				
	Village/Town:		Udaipur N.P.				
	Latitude						
	Longitude						
	Area Type :		Non-Notified				
	Area Type Category :		Safe				
	Whether industry is MSME		Yes (Medium)				
	Whether the project falls in	Wetland Area:	No				
(64)	Communication Address						
	Address Line 1:		ECO PROTECTION ENGINEERS PVT LTD				
	Address Line 2:		GB ROAD				
	Address Line 3:		AGARTALA				
	State:		TRIPURA				
	District:		WEST TRIPURA				
	Sub-District:		Old Agartala				
	Pincode:		799006				
	Phone Number with Area C	Code:					
	Mobile Number:		91 7010855457				
	Fax Number:						
(v)	EMdUse Details of the Ex	isting/Proposed	eco tripura@gmail.com				
(iv)	Typ4.edit@ectocoline:	Existing (sq meter)	VMopSoutr(eqtiliset)	Grand Total (sq meter)			
	Green Belt Area	1000.00		1000.0			
	Open Land	200.00		200.0			
	Road/Payed Area	500.00		500.0			

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Government of India Bepartment of Water Resources, There Development and Ganga Rejuveration Central Gound State Authority (CGWA) Application for Issue of MCC to Abstract Greated Water (NOCAF)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

		Rooftop area of 180 building/ sheds	0.00			1800.00				
		Total 360	0.00			3500.0				
	(wil)	Source of Availability of Surface Water for Infrastructure Use (Submit Water Availability / Nor Availability Certificate(:(S)								
	(vii)	Average Annual Rainfall in the Area (in mm):								
	(viii)	Whether Ground Water Utilization for:	New Industry							
		Date of Commencement Infrastructure:								
		Date of Expansion ;								
2.	Total Number and Type of									
	40	Dwelling Units	5							
	10	Commercials Units	1							
	e)	Industrial Units	0							
	4)	Others	0							
3.	Details of Water Requirement (Fresh and Recycled Water Usage) Please Enclose Water Row Chart of Activities and Requirement of Water at each Stage(S)									
	63	Total Water Requirement (a+b+c+d) (m3/day)								
				xisting	Proposed	Total				
		Water Requirement Details (Fresh Water) (m3/day)								
		(a) Ground Water Requirement (m3/day):	0.00		15:00	15.0				
		(tr) Surface Water Available (Canal, River, Ponds etc.) (m3/day):		0.00	0.00	0.0				
		(c) Water Supply from Any Agency (m3/day):	0.00		0.00	0.0				
		Total Fresh Water Requirement (a+b+o)(m3/day):	0.00		15.00	195.0				
		(if) Recycled Water Usage (m3/day):	0.00		0.00	0.0				
		Total Water Requirement (a+b+c+d)(m3/Day):		0.00	15.00	195.0				
3.	(i-e)	Dewatering Required, Whether the Groundwater To	ble will	be Intersected	No.					
	00	Depth (m bgl)								
		Minimum (m bgl)								
		Maximum (m bgl)								
	(94)	Maximum Depth Proposed to Dewater (in bgl)	eed: (m3/da							
		Maximum Depth Proposed to Deweter (in bigl) Proposed Quantity of Ground Water to be Deweter	di	(m3/day)						
			£	(m3/day) (m3/year)						
	(x)	Proposed Quantity of Ground Water to be Dewater	£							
	(x) (d)		£							
	(x) (d) (e)	Proposed Quantity of Ground Water to be Dewater Proposed Utilisation of Pumped Water(\$)		(m3/year)						

Government of India Ministry of Jal Shakis Department of Water Resources, River Development and Ganga Rejuvenation Central Ground Water Authority (CGWM) Application for Issue of INDI to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

	SH		Type of Structure iame / Year of construction	Depth (Meter) Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)			ode of in ime	Pow of Pur	er	Whether filled with Water Meter	Whether Permission Registered Wth CGWA / If SO Details Thereof
691	Part	tiout	lars (i-a) is	yes (Fill de	tails of De	watering P	roposed :	Struct	tures)				
Nu	mber	of P	roposed St	ructures			0						
	SNo	N	Type of Structure lame / Year of constructio	Depth/Mete Olameter (mm)	Water Level (Meters below Ground Level)	Discharge (m3/Hour)			lode of Lin lame	Pos Pu	wer	Whether fitted with Water Meter	Whether Permission Registered with CGWA / If 50 Details Thereof
(4)	Bre	elvuq	p of Water I	Requireme	nt and Usa	ge:							
			Activity	Req	disting airement (3/day)	Propo Require (m3/d	ment	Requ	Total uirem n3/day		Operati Days in	ional	Annual Requirement (m3/year)
	Res	ider	rtial/Domes	tic	0.00		5.00			5.00		365	1825.00
	Con	ппн	rcial Activi	ty	0.00		0.00			0.00		365	0.00
	Indi	antri	al Activity		0.00					0.00			
	Aim	elog	elt oment nment sence		0.00		0.00			0.00		365	0.00
	Oth	er U	ise		0.00		0.00			0.00		365	0.00
	Gra	nd 1	Total		0.00		5.00			5.00			1825.00
OH	Wh	ethe	r ETP/STP	Proposed,	if so furnic	h followin	g details:					No	
		Dre	nakup of Re	cycled Wa	ter Usage		(m3/day)			(Dr	ryn)		(m3/year)
	a)	Te	tal Waste V	Vater Gene	rated:								
	bj	Qu	antity of T	reated Wat	er Avrailabl	e: 0.00							
		- 64	Reuse in	Commerc	al Activity								
) Reuse in										
			Develop	ment:									
		100	Other Us										
	6)	To	tal Treated	Water Utili	sed:			0	9				0
Net	Grou	and	Water Requ	uirement :		15.00 (mű/day)						

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Government of India Misistry of Jal Shakti Department of Water Resources, River Development and Garga Rejuvenation Central Ground Water Authority (GCWA) Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Infrastructure Use

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Page 4 of 7

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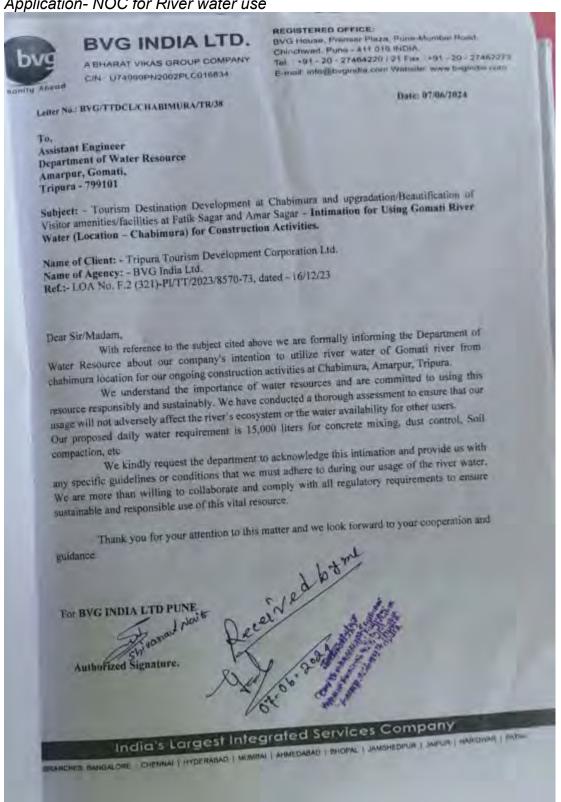
Application for Permission to Abstract Ground Water for Infrastructure Use (Application for New NOC)

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	FRASTRUCTURE USE			
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Page 6 of 7

Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura) Application- NOC for River water use



Tourism Package: TTDCL/UKT/W04(Development of Sonamukhi Eco Accommodation & Adventure Park)

Application Ground water use



APPENDIX -6: ROYALTY PAID RECEIPT

Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura) Royalty Sand



Royalty Stone



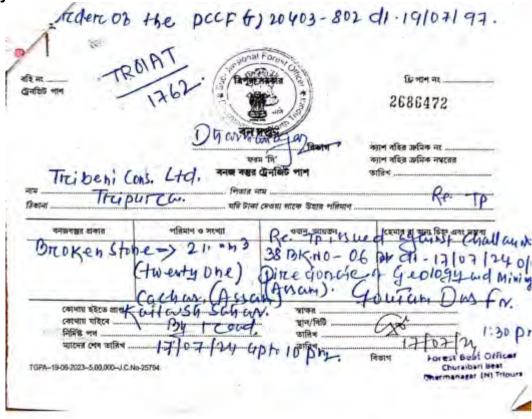
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Tourism Package: TTDCL/UKT/W04(Development of Sonamukhi Eco Accommodation & Adventure Park)
Royalty Timber

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Churaibari Seat Chermanavar (N) Tripure

Royalty Black stone



Royalty Sand



APPENDIX 7: NOC FROM ULB FOR WASTE DISPOSAL-

Sonamukhi Tourism Package

Kailashahar Municipal Council
Kailashahar : Unakoti : Tripura
A.No 932
Received from Toubeni Constructions with letter No. Gurwahati, Assam.
with letter Nodated
in cash on account of NEFT. into VEO.
in payment of Bank-0854 of K.M.C. for
disposing charge of garding
of Unakoti torvist loge
Rs. 50,000 / Centre zender
K.M.C.
812/12/2024
Signature Cashier Signature Municipal Council
Kallashahar Mulikoti, Tripura
DesignationKallastianari

APPENDIX 8: TIE UP WITH HEALTH INSTITUTES

Urban Package: TUDA/WS-01/P-01 (Cluster IA Water Supply) Khowai Town



Ranirbazar Town



Eco Protection Engineers Pvt. Ltd

(An ISO 9001 : 2008 Certified Company) BRANCH OFFICE Malanchanagar, Kunjaban, Agartala - 799006, Tripura, (W)

Date: - 06.09,2024

Email: eco.tripura@gmail.com

EPEPI/KMR/2024-25/019 To: The Medical Officer Incharge, Primary Health Centre (PHC). Ranirbazar,

Sub: - Seeking to establish a formal tie-up with your esteemed hospital to provide emergency medical services for our employees.

Respected Sir,

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to households in the Ranirbazar town area. Project duration 21.02.2024 to 16.02.2027

As part of our works, we currently employ over 60 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal tie-up with your esteemed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your hospital to handle all the Emergency treatments for our company employees/workers.

AGARTAL

We request you to consider our request at the earliest.

Thanking You, Yours Faithfully,

For Eco Protection Engineers Pvt Ltd,

(R.Rajamani)

Project Manager Authorized Signatory





Mohanpur Town



Eco Protection Engineers Pvt. Ltd

(An ISO 9001 - 2008 Certified Company)

BRANCH OFFICE Malanchanagar, Kunjaban, Agartala - 799006, Tripura, (W)

Email: eco.tripura/a gmail.com

EPEPI/KMR/2024-25/020

Date: - 06,09.2024

To: The Medical Officer Incharge, Primary Health Centre (PHC),

Medical Office RETTERN Seeking to establish a formal tie-up with your esteemed hospital to provide atomacher. Tripuis emergency medical services for our employees.

Respected Sir.

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to households in the Mohanpur town area, Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 60 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal tie-up with your esteemed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your hospital to handle all the Emergency treatments for our company employees/workers.

We request you to consider our request at the earliest.

Thanking You, Yours Faithfully, For Eco Protection Engineers Pvt Ltd.

(R.Rajamani) Project Manager Authorized Signatory



Urban Package: TUDA/WS-02/P-02 (Cluster IIA Water Supply)

Belonia Town

2. Belonia Medical Tie-up Letter;



Eco Protection Engineers Pvt. Ltd.

false 1950 being passed in contrast Consequency

EPEPVKA11U2024-2M021

Hate: - 11.89,2824

to: The Medical Officer Incharge, Primary Uralth Course (PHC), Relucia.

Subs - Seeking to establish a formal though with your establish hospital to provide emergency medical services for our employees.

Respected Sir.

It is in inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to humanhalds in the Belonia town uses. Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 60 workers levolved in various espects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal timus with your estected hospital to provide engrance medical services for our employees.

Therefore, we would like to have a tie up with your hospital to handle all like Emergency treatments for our company employees/workers.

, We request you to consider our request at the earliest

1/1/30 05

For Eco Protection Engineers Pvt Ltd.

9

Plat No. 943, 54" Street, TVS Colony, Asian Hagar Wass Extr., Cheminal - 600 101. bone No. 1 944 - 2654 5180 - 85 Fee: 044 - 2654 5183 o-mail: confidence state in 8

Udaipur Town



Eco Protection Engineers Pvt. Ltd.

(An 190 9001 2008 Certified Company)

EPEPI/KMR/2024-25/019

Date: - 11.09.2024

To:
DR. BISHNU CH.DEY,
(MRBS(Orma), STD(Defin), DMV(Pouns)
Udalpur, Tripura.

Sub: - Seeking to establish a formal tie-up with your esteemed Clinic to provide emergency medical services for our employees.

Respected Sir,

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to households in the Udaipur town area. Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 60 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal tie-up with your esteemed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your Clinic to handle all the Emergency treatments for our company employees/workers.

We request you to consider our request at the earliest.

Thanking You, Yours Faithfully,

For Eco Protection Engineers Pvt Ltd,

Decination of the second





Piot No. 943, 54° Street, TVS Colony, Anna Nagar West Extn., Chennai - 600 101. Phons No.: 044 - 2654 5180 - 82 Fax: 044 - 2654 5183 e-mail: mail@ccoprotection.ir

Amarpur Town

5. Amarpur Medical Tie-up Letter:



1 PL PUKMB/2024-25-019

Date: - 24,09,2024

Dr.Rajan Saha Bhowmik SLBJLS MD (MFDICTSF) AMARPUR, Tripura.

Sub: - Serbing to establish a formal tie-up with your esteemed Clinic in provide emergency medical services for our employees.

Respected Sir.

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide druking water supply in households in the Amarpur area. Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 30 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal treup with your estremed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your Clinic to handle all the Emergency treatments for our company employees/workers

We request you to consider our request at the earliest.

Thanking You,

Yours Faithfully, For Eco Protection Engineers Pvt Ltd,



Bishramgang

3. Bishramganji Medical Tie-up Letter



1 PL PLK MR 2024 25-020

Date: - 11.09.2024

DATTA MEDICAL HALL. BISHRAMGANJ SONAMURA ROAD, SEPABIJALA, TRIPURA.

Sub: - Seeking to establish a formal tie-up with your exteemed hospital to provide emergency medical services for our employees.

Respected Sir,

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to households in the Bishramganj town area. Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 60 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal tieup with your esteemed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your hospital to handle all the Emergency treatments for our company employees/workers.

We request you to consider our request at the earliest.

Thanking You, Yours Faithfully,

For Eco Protection Engineers Pvt Ltd.

Safe Market Trans



Plot No. 943, 54⁴ Street, TVS Colony, Anna Nagar West Extr., Chennai - 600 101. hone No. | 044 - 2654 5180 - 82 Fax : 044 - 2654 5183 + mail : mail@ecopertection.it Web : www.copprotection.it

Melaghar Town

Cluster IIA Project Town Medical Tie-up Letter:

1. Malagher Medical Tie-up Letter



Eco Protection Engineers Pvt. Ltd.

EPEPI/KMR/2024-25/019

Date: - 13.09.2024

Time

NIRUPAN SONOGRAPHY CENTRE Malagher, Sepahijala, Tripura.

Sub: - Seeking to establish a formal tie-up with your esteemed Clinic to provide emergency medical services for our employees.

Respected Sir.

It is to inform you that the Tripura Urban Planning & Development Authority has decided to construct a Water Supply Project under the Asian Development Bank (ADB) scheme to provide drinking water supply to households in the Melaghar area. Project duration 21.02.2024 to 16.02.2027.

As part of our works, we currently employ over 60 workers involved in various aspects of the construction process. Given the nature of their work, the likelihood of requiring emergency medical treatment is significant. Therefore, we are seeking to establish a formal tie-up with your esteemed hospital to provide emergency medical services for our employees.

Therefore, we would like to have a tie up with your Clinic to handle all the Emergency treatments for our company employees/workers.

We request you to consider our request at the earliest.

Thanking You, Yours Faithfully,

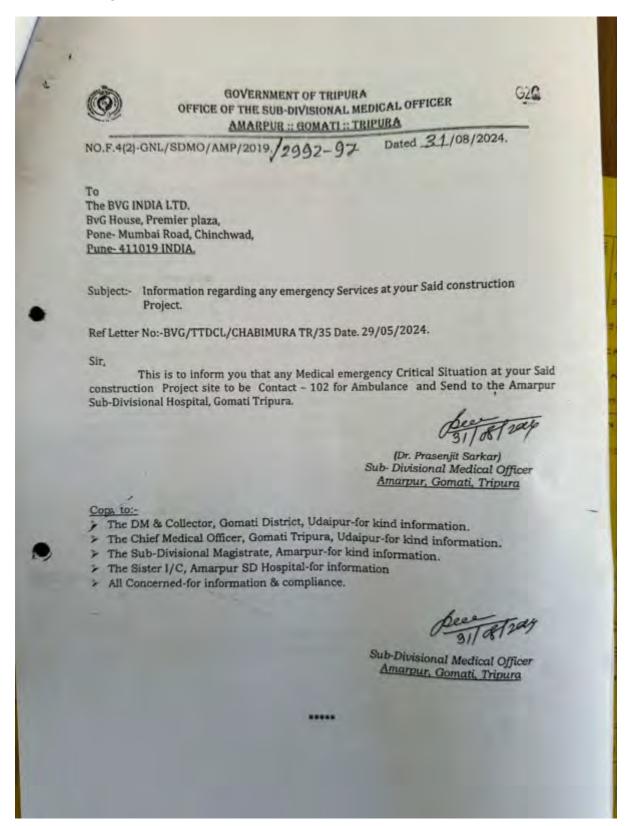
For Eco Protection Engineers Pvt Ltd.

9612993112 Reg No. 00009175MC



From No. 943, 54" Street, TV9 Colony, Anna Nagar West Kata., Chemnai - 600 101. Frome No.: 044 - 2654 5180 - 82 Fax: 044 - 2654 5183 e-mail: mail@emprotection.i Web : www.amprotection.ie

Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura)





GOVERNMENT OF TRIPURA OFFICE OF THE SUB-DIVISIONAL MEDICAL OFFICER AMARPUR:: GOMATI:: TRIPURA

G2Ge

NO.F.4(2)-GNL/SDMO/AMP/2019/3231-33

Dated 09 /09/2024.

The BVG INDIA LTD.

BvG House, Premier plaza,

Pone- Mumbai Road, Chinchwad,

Pune- 411019 INDIA.

Subject:- Information regarding monthly Doctor Visit at construction site (Chabimura).

Sir,
In connection with Letter No:-BVG/TTDCL/CHABIMURA TR/61 Date. 06/09/2024,
one medical officer (Ayush) will visit once is a month at your construction site(i.e
Chabimura) and do health Check-up of all the construction worker as per guidelines.

To Dr. Rupam Saha, MO (Ayush) Amarpur S.D. Hospital.

> (Dr. Prasenjit Sarkar) Sub-Divisional Medical Officer Amarpur, Gomati, Tripura

Copy to:-

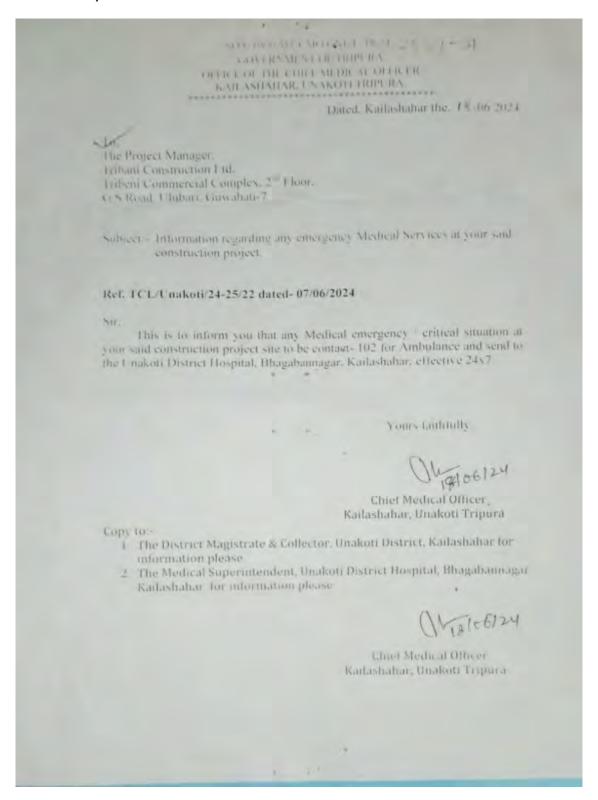
> The Chief Medical Officer, Gomati Tripura, Udaipur-for kind information.

> The Sub-Divisional Magistrate, Amarpur-for kind information.

Sub-Divisional Medical Officer Amarpur, Gomati, Tripura

274

Tourism Package: TTDCL/UKT/W04(Development of Sonamukhi Eco Accommodation & Adventure Park)



APPENDIX 9: HEALTH CHECKUP DOCUMENT

Urban Package: TUDA/WS-01/P-01 (Cluster IA Water Supply)



NAME OF THE PROJECT: Design, Build and Operate (DBO) Contract for Comprehensive Water Supply Improvement Works for Khowai, Ranirbazar and Mohanpur (Cluster IA Towns) of Tripura

MEDICAL HEALTH CHECK-UP CAMP PHOTOGRAP:





HEALTH CAMP ATTENDANCE AND MEDICAL CHECK LIST:

٢	PROJECT: Water Supply			DATE: 28/09/24
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	MEDICAL A	TTENDN	CE SHEET	
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2	Padhya mohan Debharma	38	M	अभू ८६०१२ म ८५वर
3	Biplab Tanti	20	M	Biplob Tanti
4	Dank I debbarma	27	M	Janiel Debburry
5	Salman Jehinarma	18	M	Salman Debbarn
· fi	Summan Sarkar	24	M	Suman Sarka
7	Houp day	30	m	Abrison
	Ityappa durai	28	M	dosto
10	Selva Ganapathy	28	M	SA
10	Supporci	22	m	1. Sulphoos
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	from any alment at present or			14
18 Do you suffer from				16
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I centify that all information	on provided are right.	Certified to work at co	nstruction si	te:
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HIV/AIDS TRAINING PROGRAM PHOTOGRAPH:





TRAINING ATTENDANCE SHEET PHOTOGRAPH:

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Urban Package: TUDA/WS-02/P-02 (Cluster IIA Water Supply)



ECO PROTECTION ENGINEERS PVT LTD

NAME OF THE 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

MEDICAL HEALTH CHECK-UP PHOTOGRAPH:





1	PE	Eco Protection Engineers Private Land			
		PROJECT:-L	order su	PATE: 2619124	
_		SHE-		LOCATION: IS CUOPUS	
	MEDICAL	ATTENDNO	E SHEE	Т	
r.Nu	Full Name	Age	Ses	Signature	
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Medical Check-up

PER	me of the contractor:	Er- O. I.	1-1-1-1	- 013144
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Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura)





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APPENDIX 10: NOTIFICATION OF DIFFERENT PROJECT COMMITTEE - TUTDP

Project Steering Committee

3(86)-TUDA/Project/2024

1/75695/2024

Government of Tripura Urban Development Department UD Bhawan, Sakuntala Road, Agartala-799001

No. F. 2(18)-TUDA/TECH/2019/P-1/

Agartala,...../2024

NOTIFICATION

As per the ADB's requirement under the Loan no. 4375: IND funded by ADB for the Tripura Urban and Tourism Developments Project, a Project Steering Committee (PSC) is hereby formed at the State Level for steering the project as below.

	Project Steering Committee (PSC)	
1.	Chief Secretary	Chairman
2.	Secretary, Finance	Member
3.	Secretary ,Urban Development Department	Member
4.	Secretary ,Tourism	Member
5.	Secretary, PWD	Member
6.	Secretary ,Information Technology	Member
7	Director, U D Department	Member Secretary
8	Director, Tourism Department	Member
9	Chief Engineer, U D Department	Member
10	Chief Planner, TUDA(Project Coordinator ADB Project)	Member

Terms of reference:

- 1. The Committee shall be co-terminus with Loan 4375: IND
- To ensure interdepartmental coordination for integrated development of Tripura Urban and Tourism infrastructure in the state of Tripura and quick approvals for implementation of projects.
- Review the physical progress of the project, commensurate with the financial progress achieved during the execution and O&M phase till handing ones of the assets created to the respective ULBs or line agencies/departments, as per requirement/necessity.
- 4. To provide policy guidelines.
- To advise necessary action relating to the scope, cost, and reforms agenda.

This is approved by the competent authority vide e-file No. 89757 Signed by

Rajat Pant

Rajatrant

(Rajat/Padt/AASH:23 Joint Secretary to the Govt. of Tripura

To

All Concerned Copy to:

1. The PS to Chief Secretary for kind information of Chief Secretary.

Copy also forwarded to:

- The Director (ADB), Department of Economic Affairs, Ministry of Finance, GOI.
- The Country Director, India Resident Mission, Asian Development Bank, New Delhi.

Project Executive Committee

3(86)-TUDA/Project/2024

1/92687/2024

Government of Tripura Urban Development Department UD Bhawan, Sakuntala Road, Agartala-799001

NOTIFICATION

As per the ADB's requirement under the Loan no. 4375: IND funded by ADB for the Tripura Urban and Tourism Developments Project, a Project Executive Committee (PEC) is hereby formed at the State Level for execution the project as below.

	Project Executive Committee (PEC)				
1	Secretary, UDD	Chairman			
2	Secretary, Tourism	Co-Chairman			
3	Director, UDD/Commissioner, TUDA	Member			
4	Director, Tourism/ MD, TTDCL	Member			
5	Joint / Deputy Secretary, Finance	Member			
6	Chief Engineer, UDD	Member			
7	Chief Planner, TUDA, (Project Coordinator	Member Secretary			
	ADB Project)				
8	Executive Engineer, Tourism/TTDCL	Member			

Terms of reference:

- 1. The Committee shall be co-terminus with Loan 4375: IND.
- Oversee the project implementation; oversee site clearance activities, Monitor the progress of the project, and obtain statutory clearance.
- 3. Establish the PMU and other committees in project towns.
- 4. Monitor the Appointment of the auditors.
- 5. Ensure auditing of the loan proceeds.
- Review and approve the balance sheet, audit report, and other annual reports of the Project if required.
- 7. Ensure the timely release of government funds to the Project.
- 8. Take decisions on annual budget and action plan; and other duties requested by the Steering Committee.

Signed by Rajat Pant
Date: 18-03-2024 19:02:39
Reason: Approved
(Rajat Pant, IAS)
Joint Secretary to the
Govt. of Tripura

To
All Concerned
Copy to:

- The PS to Chief Secretary for kind information of Chief Secretary.
- 2. The PS to the Secretary of Urban for kind information.
- 3. The PS to the Secretary of Tourism for kind information.
- 4. The PS to the Joint / Deputy Secretary, Finance for kind information.

Copy also forwarded to:

- The Director (ADB), Department of Economic Affairs, Ministry of Finance, GOI.
- The Country Director, India Resident Mission, Asian Development Bank, New Delhi.

Notification of Project Management and Implementation Unit

No.F.3(71)-TUDA/Project/2023/ 4 00% Government of Tripura Urban Development Department

Dated, Agartala,/2023

Notification

Department of Economic Affairs (DEA), Ministry of Finance, Gol considered a proposal from Government of Tripura regarding Externally Aided Projects (EAPs) and accordingly, a PRF (Project Readiness Fund) of ADB loan \$4.21m (approx.34,52Cr.) was approved by ADB and the main project loan is of amount of \$100.00 million which is ensuing. As part of sanctioning process of ensuing loan, ADB Fact Finding Mission (FFM) team visited to the state which was held during 18th -25th May, 2023 and the FFM team presented a report to the Chief secretary on 25-05-2023 in a wrap up meeting and ADB has summarily presented the 1st phase approved components for the state in Urban component for 12 towns and 6 nos. of tourism destinations. They have communicated Aide-memoire to the state where total cost estimates for Urban and Tourism projects together is \$ 125.00 million (Rs. 1025.00 Cr. approx.), out of which the cost of civil works is Rs. 699,45 Cr., out of that the cost of Urban Infrastructure is Rs. 530.54 Cr. and Tourism Infrastructure is Rs. 168.91 Cr.

An Implementation arrangement in the form of PMU (Project Management Unit) and PIU (Project Implementation Unit) is required to be set up to execute the project.

Following the above and agreeing with the proposal of ADB for linancing 12 towns' project and commitment for releasing the matching state share time to time as and when required along with the proposal for setting up of PMU & PIU in Urban and Tourism department, a proposal was prepared and placed before the Council of Ministers for approval on 27.09.2023. Accordingly, the Council of Ministers approved the proposal vide letter No.F.8(19)-GA (CAB)/2023, dated-06.10.2023, GA (Confidential & Cabinet) Department, Govt. of Tripura.

Consequent upon the above, as advised from ADB during their Fact-Finding Mission team visit to Tripura during 18th - 25th May, 2023 and as decided by the State Government the following PMU and PIU set up in hereby notified:

SL No.	Name of Position	Manning Details
Project Ma	anagement Unit (PMU) - Urban and Tourism	
1	Project Director (PD)	Secretary, UDD
2	Co-Project Director	Secretary, Tourism
3	Addl. Project Director (APD) (Urban)	Commissioner, TUDA
ð	Addl. Project Director (APD) (Tourism)	MD, TTDCL.
5	Project Coordinator (Urban & Tourism)	Chief Planner, TUDA
6	Addl. Project Coordinator (Urlean & Tourism)	Executive Engineer, TTDCL
ndividual	Consultants - Urban and Tourism	
7	JC-01: Deputy Project Coordinator (Urban)	To be marmed from Ensuing loan

В	IC-02: Deputy Project Coordinator (Tourism)	To be manned from Easting loan	
4	IC-03: Financial Management Officer	To be manned from Ensuing loan	
	IC-04: Procurement Cum Contract	To be manned from Ensuing loan	
10 Management Officer 1C-05; Social-cum-Gender Saleguards 11 Officer		To be manned from Ensuing loan	
-19		To be manned from Ensuing loan	
	IC-06: Environment Safeguards Officer Cell (PMU-Urban)		
ta	Technical Head (EE Jevel) or Assistant Project Director (Technical)	Will be manned from Deputation	
14	Project Manager-1	To be manned from Ensuing loan	
15	Junior Engineer-1 (Degree)	Will be manned from Deputation	
16	Junior Engineer-2 (Degree)	Will be manned from ensuing loan	
	Cell (PMU-Tourism)		
17	Project Manager-1 (AE level) Tourism	Will be manned from Deputation	
18	Architect	To be manned from Ensuing hum	
19	Assistant Project Manager Electrical or Mechanical Engineer (Common for Urban and Tourism)	Will be manned from Deputation	
20	Junior Engineer-! (Degree)	To be manned from Ensuing loan	
21	Junior Engineer-1 (Degree)	Will be manned from Deputation	
Accounts	Cell (PMU-Urhan)		
22	Sr. Accounts Officer (Urban)	To be manned from Ensuing loan/ preferably on deputation.	
23	Accounts Officer (Urban)	To be manned from Ensuing loan	
24	Accounts Assistant - 2 No. (Urban)	To be manned from Ensuing loan	
Accounts	Cell (PMU-Tourism)		
-25	Sr. Accounts Officer (Tourism)	To be manned from Ensuing loan/ preferably on deputation.	
26	Accounts Officer (Tourism)	To be minned from Ensuing loan	
27	Accounts Assistant - 2 No. (Tourism)	To be manned from Ensuing loan	
Legal Cell			
28	Agency to be appointed on retainership basis.		
Support s	tail (PMU-Urban)		
29	Technical Assistant - 3 No (Urban)	To be manned from Ensuing loan	
30	IT Assistant -2 No (Urban)	To be manued from Ensuing loan	
31	Office Attendant - 2 No. (Urban)	To be manned from Ensuing loan	
Support s	taff (PMU-Tourism)		
32	Technical Assistant - 1 No. (Tourism)	To be manued from Ensuing loan	
33	IT Assistant - 1 No.(Tourism)	To be manned from Ensuing loan	
34	Office Attendant - 2 Nos. (Tourism)	To be manned from Ensuing loan	
GIS Cell (
37	GIS-Analyst - I No.	To be manned from Ensuing lean	

tala (Urban) - (3 Towns - Khowai, Mohanp	ur, Ranirbazar)
Project Manager - (EE level)	Will be manned from Deputation
4	To be manned from Ensuing loan
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1	To be minned from Ensuing loan
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	rtala (Urban) - (3 Towns - Khowai, Mohanp Project Manager - (EE level) Assistant Project Manager Junior (Civil) Engineer - (Mohanput) Junior (Civil) Engineer - (Ranirbozar) Junior (Civil) Engineer - (Rhowni) Accounts Assistant - 1 No. Computer operator - 2 No.

18	IC-02: Deputy Project Coordinator (Tourism)	To be manned from Ensuing loan	
g	IC-03: Financial Management Officer	To be manned from Ensuing toan	
	IC-04: Procurement Cum Contract	To be manned from Ensuing loan	
10	Management Officer	w 4 November 1900	
11	IC-05; Social cum-Gender Saleguards Officer	To be manned from Ensuing loan	
11	Sories Control of the	To be manned from Emating Joan	
12	IC-06: Environment Safeguards Officer Cell (PMU-Urban)	70 10.310.000.000	
Technicat	Technical Head (EE level) or Assistant	Will be manned from Deputation	
1.3	Project Director (Technical)	than see amount your colors	
	774214-25-4-3317-3-4	To be manned from Ensuing loan	
14	Project Manager-1	Will be manned from Deputation	
15	Junior Engineer-1 (Degree)	Contract of the contract of th	
16	Junior Engineer-2 (Degree)	Will be manned from ensuing foon	
rechnical	Cell (FMU-Tourism)		
17	Project Manager-1 (AE level) Tourism	Will be manned from Deputation	
18	Architect	To be manned from Ensuing loan	
19	Assistant Project Manager Electrical or Mechanical Engineer (Common for Urban and Tourism)	Will be minned from Deputation	
20	Junior Engineer-1 (Degree)	To be manned from Ensuing loan	
21	Junior Engineer-1 (Degree)	Will be mamped from Deputation	
Accounts	Cell (PMU-Urban)		
22	Sr. Accounts Officer (Urbau)	To be manned from Ensuing loan/ preferably on deputation.	
23	Accounts Officer (Urban)	To be manned from Ensuing loan	
24	Accounts Assistant - 2 No. (Urban)	To be manned from Ensuing loan	
Accounts	Cell (PMU-Tourism)		
25	Sr. Accounts Officer (Tourism)	To be manned from Ensuing loan/ preferably on deputation.	
26	Accounts Officer (Tourism)	To be manned from Ensuing loan	
27	Accounts Assistant - 2 No. (Tourism)	To be manned from Ensuing loan	
Legal Cell			
28	Agency to be appointed on retainership busis.		
Support s	taff (PMU-Urban)		
29	Technical Assistant - 3 No (Urban)	To be manned from Ensuing loan	
30	IT Assistant - 2 No (Urban)	To be manned from Ensuing loan	
31	Office Attendani - 2 No. (Urban)	To be manned from Ensuing loan	
	taff (PMU-Tourism)		
32	Technical Assistant - 1 No. (Tournsu)	To be manned from Ensuing loan	
33	If Assistant - 1 No.(Tourism)	To be manned from Ensuing loan	
		To be manned from Ensaing Isan	
GIS Cell (Office Attendant - 2 Nos. [Tourism]		
dia cen l	rmul	To be manned from Ensuing loan	

U - Agai	rtala (Urban) - (3 Towns - Khowai, Mohanp	ur, Ranirbazur)
1 -	Project Manager (EE level)	Will be manned from Deputation
3	Assistant Project Manager	To be manned from Ensuing loan
3	Junior (Civil) Engineer- (Mohanpur)	To be manned from Ensuing loan
4	Junior (Civil) Engineer-(Ranirbagur)	To be manned from Ensuing loan
.5	Junior (Civil) Engineer (Khowai)	To be manned from Ensuing loan
6	Accounts Assistant - I No.	To be manned from Ennaing loan
7	Computer operator - 2 No.	To be manned from Enauling loan

To

All Concerned for favour of information.

Copy to:

- The PPS to the Chief Secretary, Govt. of Tripura for kind information of the Chief Secretary.
- The PS to the Secretary, UDD, Govt. of Tripura for kind information of the Secretary.
- The PS to the Secretary, Tourism Department, Govi. of Tripura for kind information of the Secretary.
- The PS to the Secretary, Finance Department, Govt. of Tripura for kind information of the Secretary.
- 5. Director, Urban Development Department, Govt. of Tripura for information.
- 6. Director, Tourism Department, Govt. of Tripura for information.
- 7. MD, TTDCL for information.
- Manager, Govt. Press, Agartala with request for publication in Tripura Gazette.

Copy Also forwarded to:

- Shri Bhavesh Kumar, Senior Project Officer (Urban), Asian Development Bank, India Resident Mission, New Delhi for kind information.
- The Under Secretary, DEA, Ministry of Finance, Gol, New Delhi for information.

(Rajat Pant, IAS)

Director

Urban Development Department Government of Tripura

APPENDIX 11: ORIENTATION ENVIRONMENT SAFEGUARD IMPLEMENTATION

Urban Project Package: TUDA/WS-01/P-01 (Cluster IA Water Supply) and TUDA/WS-02/P-02 (Cluster IIA Water Supply)



TRIPURA URBAN PLANNING AND DEVELOPMENT AUTHORITY (TUDA)

(Directorate of Urban Development)
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Agartala, Tripura(W), PIN Code: 799001
Telephone No: 0381-2329301(O), Email: tuda.trp@gmail.com

No.F. 3(22)-TUDA/Project/2021/P-I/883-890

Dated, Agartala 13/05/2024

Minutes of the Environment Safeguard Orientation Meeting held on May 10, 2024, for the ADB-funded Tripura Urban and Tourism Development Project (TUTDP) in relation to packages WS-01/P-01 (Cluster IA water supply), WS-02/P-02 (Cluster IIA water supply), and WS-03/P-03 (Cluster IIIA water supply).

An Environmental Safeguard Orientation Program for the aforementioned packages took place at the TUDA-PDMC project office in Agartala on May 10, 2024. The purpose of the meeting was to inform the Project Manager and HSE Officers of the contractors about the environmental safeguard requirements, particularly during the pre-construction phase. The meeting was organized by the Environment Specialist of PDMC Urban.

In attendance were:

- Mr. Shubham Rana, Deputy Project Manager, Prem Construction Company (Package- WS-03/P-03)
- Mr. R. Rajamani, Project Manager, Eco Protection Engineers Pvt. Ltd. (Package -WS-01/P-01 & WS-02/P-02)
- Mr. S. Selva Ganapathy, Safety Engineer, Eco Protection Engineers Pvt. Ltd. (Package - WS-01/P-01 & WS-02/P-02)

Point discussed during meeting are as listed below:

- To ensure compliance with environmental, health, and safety regulations, contractors are advised to refer to Section 8 of the BID document, specifically Particular Conditions of the Contract, Part B, sub-clauses 4.18, 4.26, 6.7, and 6.21.
- ii) Additionally, contractors are reminded to adhere to the Initial Environmental Examination (IEE) report and Environment Management Plan (EMP) throughout the project implementation process.
- iii) Immediate mobilization of an Environment, Health, and Safety (EHS) officer for each package is imperative. All contractors are required to submit a letter to TUDA detailing the EHS officer's name, qualifications, and bio data for approval by TUDA/PDMC/PMSC.
- iv) Both the DBO contractors have indicated that the design finalization is expected by June/July 2024.
- v) Contractors must update the IEE following the design finalization and obtain approval for the updated IEE before commencing construction work on-site.
- vi) Given the upcoming monsoon season in the second week of June, contractors must complete baseline monitoring as per the monitoring plan by June 10, 2024. The monitoring should align with the Environment monitoring plan outlined in the IEE.
- vii) Contractors are instructed to promptly submit site-specific health and safety plans for approval.
- viii) The requirements of the Site-Specific Environment Management Plan (SSEMP) have been explained to contractors, who are advised to gather all necessary

(2)



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- information for its preparation. A sample copy will be provided for reference, and the SSEMP must be submitted by June 15, 2024.
- ix) Contractors have been informed that the project display boards are currently in production.
- x) GRM-GRC notifications will be sent to contractors for the preparation of GRM-GRC display boards on-site. Contractors are expected to address site-level grievances in accordance with the GRM.
- Formats for the GR register and First Aid register will be supplied to contractors for their use.
- xii) During the meeting, it was emphasized that all construction agencies must establish partnerships with local health institutes in the project towns for health emergencies.

Additionally, an Environment Compliance Status Sheet for the pre-construction stage was provided to the contractors. The same is attached with this minute of meeting as **Annexure 1.** They are required to fill out the sheet, specifically the "present status" and "action plan with target date" columns and submit it for official review.

Furthermore, it was decided that monthly environment saleguard review meetings will be conducted to ensure ongoing compliance with environmental regulations.







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Annexure 1

Requirement of Environment Compliance in Pre - Construction Stage

- Package Cluster IA- Khowai, Ranirbazar and Mohanpur (WS-01/P-01)
- Package Cluster IIA-Udaipur, Amarpur, Bishramganj, Melaghar and Belonia(WS-02/P-02)
- Package- Cluster IIIA- Kailashahar, Kumarghat, Dharmanagar and Ambassa (WS-03/P-03)

S1 No.	Components	Time line	Present Status	Action Plan -Response from Contractor with Target Date
1	Engagement of Qualified EHS Officer and Supervisor	Before start of physical construction		
2	Arrangement of Labour license with sufficient workers coverage	construction		
3	Arrangement of Workmen Compensation (WC) Policy with sufficient workers coverage			
4	Arrangement of All Risk policy for coverage of entire construction			
5	Submission of site-specific Health & Safety Plan within 28 days from commencement of the project			
6	Submission of Site-specific Environment Management Plan (SSEMP)- within 28 days from commencement of the project SSEMP covers- Project details Project personnel Project area map shows project component locations in google map	Just before start of physical construction. Work can be started after approval of SSEMP		





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S1 o.	Components	Time line	Present Status	Action Plan -Response from Contractor with Target Date
	Project related facility location and details			
	of labour camp • Specific impact and mitigation — preconstruction, construction phase • Construction phase environment monitoring plan • Monitoring station locations in google map List of Attachments			
	Attachment O1: Details of construction Work sites			
	Attachment O2: Details of construction camp sites			
	Attachment O3: List of clearances & statutory requirements			
	Attachment O4: Contractor's OHS Policy & Organization			
	Attachment O5: Utility shifting/relocation.			
	Attachment O6: Details of Construction Materials			
	Attachment O7: Spoil Management Plan			
	Attachment O8: Procedure for on-site Grievance Redressal Mechanism			
	Attachment O9: Procedure for information disclosure prior to start of works			



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SI No.	Components	Time line	Present Status	Action Plan Response from Contractor with Target Date
	Appendix			
	Appendix O.1: Site Layout Plan			
	Appendix Q.A: Labour License			
	Appendix O.H. Workman Compensation			
	Appendix O.C. PUC Certificates			
	Appendix O.2: Contractor's OHS Policy Statement			
	Appendix 0,3: Sample Grievance Registration Form			
7	Preparation and submission of Spoil Management Plan and arrangement of MOU in case of local use of spoil/ excess earth and NOC in case of disposal at designated land	As per requirement - part of SSEMP		
7A	NOC for disposal of demolition waste on a designated land	In case of disposal of demolition waste		
8	Preparation and submission of Traffic Management Plan with figure showing road closure - complete or partial and traffic diversion	Before start of pipe laying activity - Tentative plan within SSEMP		
Ò	Carry out base line air, noise, water, quality monitoring (details parameters shown below) *	Before start of construction and continued upto end of the construction as		



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SI No.	Components	Time line	Present Status	Action Plan -Response from Contractor with Target
		per monitoring plan (ref IEE)		
10	Setting up worker's camp with facilities as per specification Proper ventilation of the room Proper bed Gender specific toilets with septic tank. Proper drainage system Drinking water Safe electric connection with light Separate cooking arrangement and provision of cooking gas Approval from Project Authority/PIU/ PMSC is required	Before start of the construction activity		
10A	Construction of site office and work site toilet	Before mobilization of workers at site		
rt	Sinking of DTW for construction work purpose (permission needs to be obtained from Central ground water authority by the contractor)	Before use of water - for drinking & construction		
12	In case of tree felling NOC needs to be obtained from Forest Dept. Information to PIU as per requirement	As per requirement – information to be provided to project authority for necessary action		
13	NOC from Central Ground Water Authority (CGWA) for construction of DTWs**	Before start of the work		

6



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SI No.	Components	Time line	Present Status	Action Plan -Response from Contractor with Target Date
14	Collection and submission of Pollution Under Control (PUC) Certificate for vehicle & equipment engaged in the project and to be engaged	site		
15	In case of setting up of batching plant, hot mix plant – consent to establish and operate from Tripura State Pollution Control Board	requirement - action needs to		
	CTE and CTO from TSPCB in case of Establishment of DG sets more than 1 MVA. In case of use of RMC, collection of consent to operate from 3 rd party is required			
16	Collection of Royality receipt in case of purchase of aggregates, sand from vendor	purchase of		
17	MOU will be required with Pvt. Party in case of storage of construction materials on the Pvt. Land.	the activity at		
18	Arrangement of project display board with project details as per specification and approval from PMU- PMSC-PIU	the activity at		
19	Arrangement of Emergency contact no. board and placement at office, camp and work areas	Before start of the activity at site		
20	Arrangement of sufficient no. of safety signage in local language	Before start of the physical activity at site		



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SI No.	Components	Time line	Present Status	Action Plan -Response from Contractor with Target Date
	Both English and Bengalee			
21	Display of detail Grievance Redressal Mechanism and Grievance Redressal committee contact no. board at office and fixed work site Both in English and Bengalee			
22	Arrangement of sufficient permanent barricade and caution tape	Before start of the physical activity at site		
23	Arrangement of sufficient number of first aid box covering all work areas and worker's camp. Material list needs to be attached in the first aid box	Before mobilization of man and machinery at sites		
24	Purchase of sufficient number of PPEs for the workers	Before start of physical construction		
25	Tie up with local hospital in case of emergency			
26	Opening of grievance register and first aid register and keep at work sites for recording	During start of construction activity		
27	Arrangement of fire extinguisher at office, camp and fuel storage area.	Before operation of camp, storage area		
28	Fuel needs to be stored above metal tray with 110% containment			

Just after commencement of physical activity at site:

> Health check up camp for workers (biannually) need to be conducted by contractor

12



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- HIV- AIDS training program need to be arranged by contractor biannually
- Regular basis tool box training for the workers need to be conducted by contractor (daily basis) with record

Monitoring details Package wise - Cluster IA WS

- 1. Air quality Base line Before start of the work -24 hrs. sampling at **Khowai** 3 locations, (OHSR and pipeline) critical areas, **Mohanpur** 3 locations, (OHSR and pipe line) critical areas and Ranirbazar 3 locations, (OHSR and pipe line) critical areas parameters- PM₁₀, PM_{2.5}, SO₂, NOx, CO
- 2. Noise level Base line Before start of the work 24 hrs. sampling at Khowai 3 locations, (OHSR and pipeline) critical areas, Mohanpur 3 locations, (OHSR and pipeline) critical areas and Ranirbazar 3 locations, (OHSR and pipe line) critical areas Both day and night noise recording- in Leq dBA
- 3. Surface Water quality Base line Before start of the work- One no. for each town and one sample drinking water quality (in case of use by workers)- Parameters- pH, TDS, Oil and grease, Cl, F, NO3, TC, FC, Hardness, Turbidity BOD, COD, DO, Total Alkalinity

Monitoring details Package wise - Cluster IIA WS

- 1. Air quality Base line Before start of the work -24 hrs. sampling at Udaipur 3 locations, (WTP, OHSR and pipe line) critical areas (ASI monuments), Amarpur- 2 locations along pipeline (covering sensitive area), Bishramganj- 3 locations, (OHSR and pipe line), Melaghar- 3 locations, (OHSR- and pipe line), one point close to Rudrasagar lake / Raj Ghat, Belonia- 3 locations, (OHSR, DTW and pipe line) parameters- PM₁₀, PM_{2.5}, SO₂, NOx, CO
- 2. Noise level Base line Before start of the work 24 hrs. sampling at Udaipur 3 locations, (WTP, OHSR and pipe line) critical areas (ASI monuments), Amarpur- 2 locations along pipeline (covering sensitive area), Bishramganj- 3 locations, (OHSR and pipe line), Melaghar- 3 locations, (OHSR- and pipe line), one point close to Rudrasagar lake / Raj Ghat, Belonia- 3 locations, (OHSR, DTW and pipe line) Both day and night noise recording- in Leq dBA
- 3. Surface Water quality Base line Before start of the work- Udaipur -One location (River intake point), Melaghar, Amarpur, Bishramganj and Belonia -One no. for each town and one sample drinking water quality (in case of use by workers)- Parameters-pH, TDS, Oil and grease, Cl, F, NO3, TC, FC, Hardness, Turbidity BOD, COD, DO, Total Alkalinity

Monitoring details Package wise - Cluster IIIA WS

Air quality - Base line - Before start of the work -24 hrs. sampling at Kailashahar
 4 locations, (WTP- 1, OHSRs- 2, pipe line-1), Kumarghat -4 locations, (WTP- 1, OHSR- 1, pipe line-2), Dharamanagar- 4 locations, (WTP- 1, OHSRs- 2, pipeline-1),





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Ambassa- 4 locations, (OHSR-1 and DTW - 1, pipe line-2) parameters- PM₁₀, PM_{2.5}, SO₂, NOx, CO

- 2. Noise level Base line Before start of the work 24 hrs. sampling at Kailashahar 4 locations, (WTP- 1, OHSRs- 2, pipe line-1), Kumarghat -4 locations, (WTP- 1, OHSR- 1, pipe line-2), Dharamanagar- 4 locations, (WTP- 1, OHSRs- 2, pipeline-1), Ambassa- 4 locations, (OHSR-1 and DTW 1, pipe line-2) Both day and night noise recording- in Leq dBA
- 3. Surface Water quality Base line Before start of the work- Kailashahar, Kumarghat, and Dharamanagar -One location (River intake point), Ambassa 1 no. surface water and one sample drinking water quality (in case of use by workers)-Parameters- pH, TDS, Oil and grease, Cl, F, NO3, TC, FC, Hardness, Turbidity BOD, COD, DO, Total Alkalinity

**TUDA received permission from Water Resource Investigation Division, Govt. of Tripura for withdrawal of ground water. Further permission from Central Ground Water Authority will be applied and taken before construction of new tube well after finalization of DTW location and capacity by the DBO contractor.

(Er. Mihir Kanti Gop)

Chief Planner
Tripura Urban Planning &
Development Authority (TUDA)
Project Coordinator, PMU-TUTDP

Copy to:

- 1. PS to the Secretary, UDD for kind information of the Secretary.
- 2. Commissioner, TUDA for kind information.
- 3. Er. N. K Jamatia, Executive Engineer-I, TUDA for information.
- Er. R Debbarma, Executive Engineer-III, TUDA for information.
- 5. Er. S Debbarma, Assistant Engineer, TUDA for information.

Copy also to:

- 1. Team Leader (TL) / Deputy Team Leader (DTL), PDMC Urban.
- 2. M/S Eco Protection Engineers Pvt. Ltd. for information & necessary action.
- M/S PREM-GCKC JV for information & necessary action.

(Er. Mihir Kanti Gop)

Tripura Urban Planning & Development Authority (TUDA) Project Coordinator, PMU-TUTDP Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura)

Minutes of the Environment Safeguard compliance Review Meeting and site observation note for visit on 25th July 2024, for the ADB-funded Tripura Urban and Tourism Development Project (TUTDP) in relation to package "Upgradation of Eco-Tourism Destination at Chabimura, Amarpur, Tripura"

In continuation with earlier Safeguard orientation meeting / orientation program arranged on 13th May 2024 at project site of Chabimura tourism project, further Environmental Safeguard compliance review meeting/ orientation and site visit for the aforementioned package took place at Chabimura on 25th July 2024. The purpose of the meeting was to inform the Project Manager, Environment Engineer and HSE Officer of the contractor about the environmental safeguard requirements, particularly during the pre-construction and construction phases. Also, present compliance status reviewed on the desk and at site. The meeting was organized by the Environment Specialist of PMSC (Urbam & Tourism).

In attendance were:

Sr. No.	Name	Designation
1	Er. Pannalal Saha	Assistant Engineer TTDCL
2	Er. Jhutan Das	Junior Engineer, TTDCL
3	Mr. Tapash Kanti Naha	Construction Supervisor - PMSC
4	Ms Mahamaya Tiwari	Landscape Architect- PMSC
5	Mr. Subhajit Das	Environment Engineer - BVG
6	Mr. H. K. Satyanarayana	Sr. Engineer- BVG
7	Mr. Shivanand Naik	Sr. Engineer- BVG
8	Mr. Sunny Kumar	Health Safety officer - BVG
9	Mr. Sujoy Chakraborty	Social Safeguard support - PMSC
10	Dr. Ardhendu Mitra	Environment Specialist - PMSC

Point discussed during meeting as listed below:

- (i) Contractor to follow Under section 4 –Bidding form Environment, Health and safety "Code of Conduct"- indicates contractor to follow and comply with EHS Code of Conduct and applicable rules and regulations and other requirements to protect environment & health.
- (ii) Under Section 6 Employers requirement- Point 3. Environment, Health & Safety Management and Social requirement- Management Strategies and implementation plans
- (iii) To ensure compliance with environmental, health, and safety regulations, specifically to follow Section 8: Particular Conditions of the Contract- GCC 80 "The contractor shall (a) establish an operational system for managing environmental reports, (b) carry out all the monitoring and mitigation measures set forth in Initial Environmental Examination and Environment Management Plan., (c) comply with any corrective and preventive actions set out in safeguards monitoring reports. That the employer will be prepare from time to time to monitor implementation of environment Management Plan, and (d) allocate the budget required to ensure that such measures and actions are carried out. The contractor shall submit quarterly reports on the carrying out of such measures to the employer".

- (iv) Additionally, contractors are reminded to adhere to the Initial Environmental Examination (IEE) report and Environment Management Plan (EMP) throughout the project implementation process.
- (v) Immediate approval of CV of Environment Engineer and Environment, Health, and Safety (EHS) officer from project authority, TTDCL.
- (vi) Contractor ensured complete mobilization of staff within July 2024
- (vii) Gaps noted at construction sites have been discussed.

An Environment Compliance Status Sheet for the pre-construction and initial construction stage was prepared after review of submitted documents and field check. Gaps are identified and informed to the contractors for immediate action. **Annexure 1** shows the compliance requirement. Furthermore, it was decided that monthly environment safeguard review meetings will be conducted to ensure ongoing compliance with environmental regulations.

at



Environment safeguard Chabimura project site

orientation



Discussion at project site regarding work plan and present progress

Annexure 1

Compliance requirement - Pre-construction and initial construction stage

Requirement as per contract clauses mentioned above and Initial Environment Examination and EMP

⊑xan Sr	Ination and EMP	Time line
Sr No.	Components	Time line
1	Engagement of Qualified Environment Safeguard expert/ engineer and EHS Officer and Supervisor and approval of CV	Before start of physical construction
2	Arrangement of Labour license with sufficient workers coverage	
3	Arrangement of Workmen Compensation (WC) Policy with sufficient	
	workers coverage	
4	Arrangement of All Risk policy for coverage of entire construction	
5	Submission of site-specific Health & Safety Plan within 28 days from	
	commencement of the project	
6	Submission of Site-specific Environment Management Plan (SSEMP)-	Just before start of physical
	within 28 days from commencement of the project	construction.
	SSEMP covers-	Work can be started after
	Project details	approval of SSEMP
	Project personnel	
	Project area map – shows project component locations in google	
	map	
	Project related facility – location and details of labour camp	
	 Specific impact and mitigation – pre construction, construction 	
	phase	
	Construction phase environment monitoring plan	
	Monitoring station locations in google map	
	List of Attachments	
	Attachment O1: Details of construction Work sites	
	Attachment O2: Details of construction camp sites	
	Attachment O3: List of clearances & statutory requirements	
	Attachment O4: Contractor's OHS Policy & Organization	
	Attachment O5: Utility shifting/relocation	
	Attachment O6: Details of Construction Materials	
	Attachment O7: Spoil Management Plan	
	Attachment O8: Procedure for on-site Grievance Redressal Mechanism	
	Attachment O9: Procedure for information disclosure prior to start of	
	works	
	<u>Appendix</u>	
	Appendix O.1: Site Layout Plan	
	Appendix O.A: Labour License	
	Appendix O.B: Workman Compensation	
	Appendix O.C: PUC Certificates	
	Appendix O.2: Contractor's OHS Policy Statement	
	Appendix O.3: Sample Grievance Registration Form	
7	Preparation and submission of Spoil Management Plan and arrangement	As per requirement – part of
	of MOU in case of local use of spoil/ excess earth and NOC in case of	SSEMP
	disposal at designated land	
7A	NOC for disposal of demolition waste on a designated land	In case of disposal of demolition waste
8	Preparation and submission of Traffic Management Plan with figure	Before start of pipe laying
	showing road closure – complete or partial and traffic diversion	activity
		- Tentative plan
		within SSEMP

Sr No.	Components	Time line
9	Carry out base line air, noise, water, quality monitoring (details parameters shown below) *	Before start of construction and continued upto end of the construction as per monitoring plan (ref IEE)
10	 Setting up worker's camp with facilities- as per specification Proper ventilation of the room Proper bed Gender specific toilets with septic tank. Proper drainage system Drinking water Safe electric connection with light Separate cooking arrangement and provision of cooking gas Approval from Project Authority/PIU/ PMSC is required	Before start of the construction activity
10A	Construction of site office and work site toilet	Before mobilization of workers at site
11	Sinking of DTW for construction work purpose (permission needs to be obtained from Central ground water authority by the contractor)	Before use of water – for drinking & construction
12	In case of tree felling NOC needs to be obtained from Forest Dept. Information to PIU as per requirement	As per requirement – information to be provided to project authority for necessary action
13	NOC from Central Ground Water Authority (CGWA) for construction of DTWs**	Before start of the work
14	Collection and submission of Pollution Under Control (PUC) Certificate for vehicle & equipment engaged in the project and to be engaged	Before start of the activity at site
15	In case of setting up of batching plant, hot mix plant – consent to establish and operate from Tripura State Pollution Control Board CTE and CTO from TSPCB in case of Establishment of DG sets more than 1 MVA. In case of use of RMC, collection of consent to operate from 3 rd party is required	As per requirement –action needs to be taken up
16	Collection of Royalty receipt in case of purchase of aggregates, sand from vendor	In case of purchase of construction materials
17	MOU will be required with Pvt. Party in case of storage of construction materials on the Pvt. Land.	Before start of the activity at site
18	Arrangement of project display board with project details as per specification and approval from PMU- PMSC- PIU	Before start of the activity at site
19	Arrangement of Emergency contact no. board and placement at office, camp and work areas	Before start of the activity at site
20	Arrangement of sufficient no. of safety signage in local language Both English and Bengalee	Before start of the physical activity at site
21	Display of detail Grievance Redressal Mechanism and Grievance Redressal committee contact no. board at office and fixed work site Both English and Bengalee	Before start of the physical activity at site
22	Arrangement of sufficient permanent barricade and caution tape	Before start of the physical activity at site
23	Arrangement of sufficient number of first aid box covering all work areas and worker's camp. Material list needs to be attached in the first aid box	Before mobilization of man and machinery at sites
24	Purchase of sufficient number of PPEs for the workers	Before start of physical
25	Tie up with local hospital in case of emergency	construction
26	Opening of grievance register and first aid register and keep at work sites for recording	During start of construction activity

Sr No.	Components	Time line
27	Arrangement of fire extinguisher, sand buckets at office, camp and fuel storage area.	Before operation of camp, storage area
28	Fuel needs to be stored above metal tray with 110% containment	During construction and continued
29	Proper material storage at construction site and worker's camp	Throughout the construction period
30	Conducting of induction and tool box training	Before start of work and atleast twice in a week

Since the work already started at site, following activity needs to be completed.

- > Health checkup camp for workers (biannually) need to be conducted by contractor
- > HIV- AIDS training program need to be arranged by contractor biannually

Dr. Ardhendu Mitra Environmental (safeguards & climate change) Expert PMSC Tourism Package: TTDCL/UKT/W04(Development of Sonamukhi Eco Accommodation & Adventure Park)

Minutes of the Environment Safeguard compliance Review Meeting on 29th July 2024, for the ADB-funded Tripura Urban and Tourism Development Project (TUTDP) in relation to package "Development of Sonamukhi Eco Accommodation and Adventure Park and Rehabilitation of Unakoti Tourist Lodge at Kailashahar"

Environmental Safeguard compliance review meeting / Orientation program for the aforementioned package took place at Tourism project office on 29th July 2024. The purpose of the meeting was to inform the Project Manager, Environment safeguard specialist of the contractor about the environmental safeguard compliance requirements, particularly during the pre-construction and construction phases. Also, present compliance status reviewed on the desk. The meeting was organized by the Environment Specialist of PMSC (Urbam & Tourism).

In attendance were:

Sr. No.	Name	Designation
1	Mr. Tanmay Dash	Deputy Project Coordinator- Tourism, PMU
2	Raj kumar Tiwari	Project Manager, Tribeni Constructions Ltd.
3	Subrata Sinha	Environment Safeguard Expert, Tribeni
		Constructions Ltd.
4	Mr. Chirantan Kar	Construction Supervisor - PMSC
5	Dr. Ardhendu Mitra	Environment Specialist - PMSC

Point discussed during meeting as listed below:

- (viii) Contractor to follow Under section 4 –Bidding form Environment, Health and safety "Code of Conduct"- indicates contractor to follow and comply with EHS Code of Conduct and applicable rules and regulations and other requirements to protect environment & health.
- (ix) Under Section 6 Employers requirement- Para 3. Environment, Health & Safety Management and Social requirement- Management Strategies and implementation plans
- (x) To ensure compliance with environmental, health, and safety regulations, specifically to follow Section 8: Particular Conditions of the Contract- GCC 80 "The contractor shall (a) establish an operational system for managing environmental reports, (b) carry out all the monitoring and mitigation measures set forth in Initial Environmental Examination and Environment Management Plan., (c) comply with any corrective and preventive actions set out in safeguards monitoring reports. That the employer will be prepare from time to time to monitor implementation of environment Management Plan, and (d) allocate the budget required to ensure that such measures and actions are carried out. The contractor shall submit quarterly reports on the carrying out of such measures to the employer"
- (xi) Additionally, contractors are reminded to adhere to the Initial Environmental Examination (IEE) report and Environment Management Plan (EMP) throughout the project implementation process.
- (xii)Immediate deployment and approval of CV of Environment, Health, and Safety (EHS) officer from project authority, TTDCL.
- (xiii) Immediate collection of Labour licence
- (xiv) Contractor ensured complete mobilization of staff within July 2024

- (xv) Availability of all boards display, emergency, safety signage (also in local language)
- (xvi) Gaps noted on pre-construction documentation have been discussed.

An Environment Compliance Status Sheet for the pre-construction and initial construction stage was prepared after review of submitted documents. Gaps are identified and informed to the contractors for immediate action. **Annexure 1** shows the compliance requirement.

Furthermore, it was decided that monthly environment safeguard review meetings will be conducted to ensure ongoing compliance with environmental regulations.

Meeting Photographs - 29th July 2024





Environment Safeguard review meeting/ Orientation for Sonamukhi Tourism Project

Pre-construction and construction stage compliance requirement

Requirement as per contract clauses mentioned above and Initial Environment Examination and EMP

Sr No. 1 Engagement of Qualified Environment Safeguard expert/ engineer and EHS Officer and Supervisor and approval of CV 2 Arrangement of Labour license with sufficient workers coverage 3 Arrangement of Labour license with sufficient workers coverage 4 Arrangement of All Risk policy for coverage of entire construction 5 Submission of site-specific Health & Safety Plan within 28 days from commencement of the project 6 Submission of Site-specific Environment Management Plan (SSEMP)-within 28 days from commencement of the project 7 Project details 8 Project area map – shows project component locations in google map 9 Project related facility – location and details of labour camp 1 Specific impact and mitigation – pre construction, construction phase 1 Construction phase environment monitoring plan 1 Monitoring station locations in google map 2 List of Attachments 2 Attachment 01: Details of construction Work sites 2 Attachment 02: Details of construction Work sites 3 Attachment 03: List of clearances & statutory requirements 4 Attachment 04: Contractor's OHS Policy & Organization 4 Attachment 05: Posoli Management Plan 4 Attachment 06: Details of Construction Materials 4 Attachment 07: Procedure for on-site Grievance Redressal Mechanism 4 Attachment 09: Procedure for information disclosure prior to start of works 4 Appendix 0.1: Site Layout Plan 4 Appendix 0.2: Contractor's OHS Policy Statement 4 Appendix 0.3: Labour License 4 Appendix 0.3: Sample Grievance Registration Form 7 Preparation and submission of Spoil Management Plan and arrangement of MOU in case of local use of spoil/ excess earth and NOC in case of disposal at designated land 8 Preparation and submission of Traffic Management Plan with figure showing road closure – complete or partial and traffic diversion Tentative plan Tentative plan Tentative plan Tentative plan	<u>EMP</u>	,	_
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Within CLEVID			within SSEMP
9 Carry out base line air, noise, water, quality monitoring (details Before start of	g	Carry out hase line air noise water quality monitoring (details	
parameters shown below) * construction and			

Sr No.	Components	Time line		
		continued upto end of the construction as per monitoring plan (ref IEE)		
10	Setting up worker's camp with facilities- as per specification • Proper ventilation of the room • Proper bed	Before start of the construction activity		
	 Gender specific toilets with septic tank. Proper drainage system Drinking water 			
	 Safe electric connection with light Separate cooking arrangement and provision of cooking gas Approval from Project Authority/PIU/ PMSC is required 			
10A	Construction of site office and work site toilet	Before mobilization of workers at site		
11	Sinking of DTW for construction work purpose (permission needs to be obtained from Central ground water authority by the contractor)	Before use of water – for drinking & construction		
12	In case of tree felling NOC needs to be obtained from Forest Dept. Information to PIU as per requirement	As per requirement – information to be provided to project authority for necessary action		
13	NOC from Central Ground Water Authority (CGWA) for construction of DTWs**	Before start of the work		
14	Collection and submission of Pollution Under Control (PUC) Certificate for vehicle & equipment engaged in the project and to be engaged	Before start of the activity at site		
15	In case of setting up of batching plant, hot mix plant – consent to establish and operate from Tripura State Pollution Control Board CTE and CTO from TSPCB in case of Establishment of DG sets more than 1 MVA. In case of use of RMC, collection of consent to operate from 3 rd party is required	As per requirement – action needs to be taken up		
16	Collection of Royalty receipt in case of purchase of aggregates, sand from vendor	In case of purchase of construction materials		
17	MOU will be required with Pvt. Party in case of storage of construction materials on the Pvt. Land.	Before start of the activity at site		
18	Arrangement of project display board with project details as per specification and approval from PMU- PMSC- PIU	Before start of the activity at site		
19	Arrangement of Emergency contact no. board and placement at office, camp and work areas	Before start of the activity at site		
20	Arrangement of sufficient no. of safety signage in local language Both English and Bengalee	Before start of the physical activity at site		
21	Display of detail Grievance Redressal Mechanism and Grievance Redressal committee contact no. board at office and fixed work site Both English and Bengalee	Before start of the physical activity at site		
22	Arrangement of sufficient permanent barricade and caution tape	Before start of the physical activity at site		
23	Arrangement of sufficient number of first aid box covering all work areas and worker's camp. Material list needs to be attached in the first aid box	Before mobilization of man and machinery at sites		
24	Purchase of sufficient number of PPEs for the workers	Before start of		
25	Tie up with local hospital in case of emergency	physical construction		

Sr No.	Components	Time line		
26	Opening of grievance register and first aid register and keep at work sites for recording	During start of construction activity		
27	Arrangement of fire extinguisher, sand buckets at office, camp and fuel storage area.	Before operation of camp, storage area		
28	Fuel needs to be stored above metal tray with 110% containment	During construction and continued		
29	Proper material storage at construction site and worker's camp	Throughout the construction period		
30	Conducting of induction and tool box training	Before start of work and atleast twice in a week		

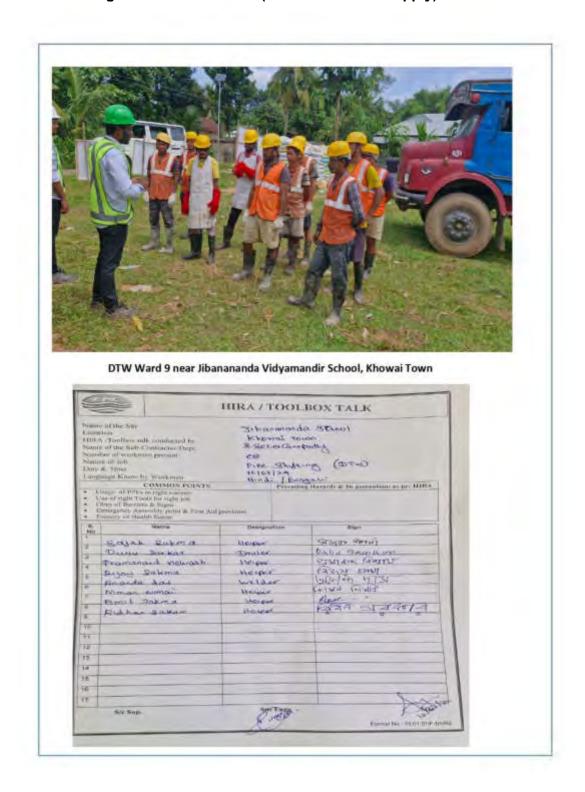
Since the work just started at site, following activity

- > Health checkup camp for workers (biannually) need to be conducted by contractor
- > HIV- AIDS training program need to be arranged by contractor biannually

Dr. Ardhendu Mitra Environmental (safeguards & climate change) Expert PMSC

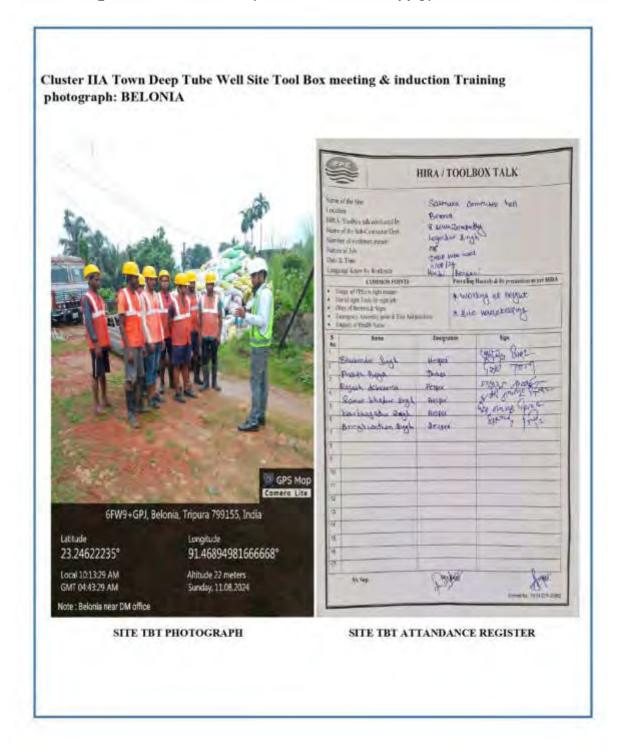
APPENDIX 12: SAMPLE TOOL BOX TRAINING

Urban Package: TUDA/WS-01/P-01 (Cluster IA Water Supply)





Urban Package: TUDA/WS-02/P-02 (Cluster IIA Water Supply)



Tourism Package: TTDCL/CHB/W 01 (Tourism Destination Development at Chabimura)

	ove		Tool	Box Talk	Training	Attendance She	et	
nemares	mountly Assort Date:- 01 06 9024-				Month: June			
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45790	ic 1) Hork place Sately			Duration: 12 animute				
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Trainer	Name: SUNNY	RUMAR			Design	ation:- H		
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APPENDIX 13: GRM- GRC NOTIFICATION- TUTDP

No.F.No.3(43)-TUDA/Project/2022 | 4-34-442 Government of Tripura Urban Development Department

Dated, Agartala 39/ 84/2024

NOTIFICATION

In pursuance of the provisions of the Resettlement Pian (RP) prepared for the Asian Development Bank-supported Tripura Urban and Tourism Development Project (TUTDP) under Loan – 4375 IND in Tripura, it is required to establish a Orievance Redressal Mechanism (GRM) to receive, evaluate and facilitate the resolution of affected people's concerns, complains and grievances regarding social, environmental and other performance at project level.

The Urban Development Department (UDD), Government of Tripura is the Executing Agency for the project & Implementing Agencies for the project are the Tripura Urban Planning and Development Authority (TUDA), Urban Development Department (UDD), and Tripura Tourism Development Corporation Limited (TTDCL), Department of Tourism (DoT).

Now, as narrated in the Project Administrative Manual (PAM) issued by the ADB dated October, 2023 the Orievance Redressal Mechanism (GRM) and Orievance Redressal Committees (GRC) are hereby entablished at the three levels, viz, Site level, PIU level, and PMU level as mentioned below to address different stakeholder grievances and dissatisfactions about actual or pre-received impacts and to find a satisfactory solution. The GRM will be implemented throughout the project cycle for use by stakeholders to address concerns and complaints promptly and transparently.

1. Site Level GRC (1st level):

 Composition of the GRC. The GRC at the Site level is constituted with the following members.

SI. No.	Composition	Responsibilities		
1	Junior Engineer (Site In-charge),	Resolution of issues on site within five days of receipt of a complaint/ gricysneo		
5	Assistant Safeguard Officer, PiU			
3	Contractor's Site Engineer			
4	Construction Supervisor, PMSC			
5	Representative from the affected community (as and when required)			



- 1.2. The Committee will be notified by the Project Manager (PIU).
- 1.3. Prior to registering the complaint/query, a procedural step will be in place to assess and check that issues raised in the complaint fall within the scope that the GRM is mandated to address.
- 1.4. Grievances thus accepted, acknowledged, and registered will be responded to the complainant in writing within 5 days' time and in the prescribed manner.
- 1.5. A Grievance Register will be maintained at the site level by this designated official to register the grievance as per the prescribed format attached in Annexure-I, including details of the date and type of grievance received the date of personal hearing provided to the complainant, the date when the grievance was redressed or if not redressed date of forwarding the grievance to the next level GRC.
- 1.6. Provision will be made to record and maintain grievances received directly on-site and incorporated in the Grievance Register. This will serve as the First Level of Grievance resolution.
- 1.7. Grievances that cannot be resolved at the site level within 5 days or in cases where the complainant is not satisfied with the decision, will be referred to the PIU-level (2nd level) GRC.
- 1.8. Grievances that do not reach a resolution at the PIU-level GRC (2nd level) within 10 days or in case where the complainant is not satisfied with the decision, will be further escalated to PMU level (3rd level) GRC.
- 1.9. With reference to complaints related to Gender Based Violence (GBV) / Sexual Exploitation and Abuse (SEA), the PIU will refer the case to the concerned Service Provider with an intimation to the Internal Committee (IC) under PMU and PIU and adhere to the principle of confidentiality while informing the same to the site level GRC (if required) as the case may be.
- 1.10.The designated official at the PIU will also be responsible for ensuring that a mechanism is put in place to address the grievances of laborers and staff deployed at project sites deployed at project sites by the Contractors.
- 1.11.The PIU will also ensure the installation of Display Boards at the site with GRM information with support from the implementation support NGOs and in consultation with the Project Management Unit (PMU), TUTDP.
- 1.12. The concerned Project Implementation Unit (PIU) will oversee the implementation of the Resettlement Plan (RP) and provide response to the grievances raised by the community and Affected Person(s) (AP).

PIU - Level GRC (2nd level)

2.1. <u>Composition of the GRC:</u> The GRC at PIU - Level may be constituted with the following members:

Composition	Kespo	onsibilities
roject Manager of PIU	Review	grievances
	oject Manager of PIU	miget Manager of DB1

Sl. No.	Composition	Responsibilities			
2	Assistant/Junior Engineers of PIU	unresolved at the 1			
3	Construction Management Expert of PMSC	level and determine me			
4	Assistant Safeguard Officer of PIU	and dispose within 10			
5	Project Manager/ Incharge of the concerned contractor	days period.			
6	Representatives from line departments & ULBs as and when required.				

Note: it is advisable that there shall be a minimum of one-third of women representation in the committee (if possible).

- 2.2. The Second Level <u>Grievance Redressal Committee</u> (GRC) will be notified by the Project Manager for the sub- project at PIU – Level.
- Functions of the GRC (2nd level): The functions of the PIU Level GRC is listed below.
- (i) The GRC will meet regularly at least once a month on a prefixed date.
- Grievances will be recorded as per the prescribed format attached at Annexure-1
- (iii) All grievances of the people at PIU level will be reviewed and resolved within 10 days from the date of submission.
- (iv) The complainant will have the right to be heard by the GRC before the committee gives its decision.
- (v) Intimation in writing should be sent to the aggrieved person about the date, time, and venue of the GRC sitting.
- (vi) With reference to complaints related to GVB/SEA, the principle of confidentiality will be adhered to.
- (vii) Decision of the PIU-Level GRC will be final unless an appeal is preferred with the PMU level.
- 2.4.The GRC will continue to function, for the benefit of the stakeholders, during the entire life of the project including the defects liability period

PMU - Level GRC (3rd level):

The 3rd-Level Grievance Redressal Committee at PMU is constituted with the following members.

SI. No.	Composition	Responsibilities
1	Project Director (Chairman) of PMU	Address grievances not
2	Co-Project Director (Co-Chairman) of PMU	
3		within 15 days of receiving the
4	Project Coordinator (Urban & Tourism) - Member Secretary of PMU	complaint.
5	Individual Safeguards Consultant (Social Cum Gender) of PMU	
6	Environmental Safeguards Officer of PMU	



SL. No.	Composition	Responsibilities
7	Representatives from line departments & ULB as required and representatives of affected communities (if required)	

Note: It is advisable that there shall be a minimum of one-third of women representation in the committee (if possible).

The Committee will address stakeholders' grievances and dissatisfactions about actual or perceive impacts and find satisfactory solution at the policy

level. The Committee will take up grievances scaled up from the Site Level. Grievances received by the Urban Development Department (UDD) and Department of Tourism (DOT) through other portals related to the Tripura Urban and Tourism Development Project (TUTDP) will also be placed before the PMU-level committee for redressal. The Committee will dispose of all grievances registered at PMU level within 15 days. Performance reports will be generated at each level and submitted to the Project Director, at the end of each quarter or as applicable. The Committee will ensure that the stakeholders/appellants have access to legitimate, reliable, transparent, and efficient institutions that are responsive to their complaints.

50% attendance of the committee members at all three levels will constitute the quorum for the meeting. In the case of Site Level GRCs, the participation of the concerned ULB Chairman/Authorized Person of concerned ULB for the Urban sub-projects whereas for the Tourism sub-projects participation of Panchayat Pradhan/Authorized Representative of the concerned Panchayat is advisable as per requirement.

(Abhishek Singh, IAS)

Secretary to the Government of Tripura

To

All Concerned Copy to:

- The Additional Project Director, PMU, (Director Urban Development Department, Govt of Tripura.)
- The Additional Project Director, PMU, (Director Tourism Department, Govt of Tripura.)
- 3. The Project Coordinator (Urban & Tourism). (Chief Planner, TUDA)
- The Additional Project Coordinator (Urban & Tourism), (Executive Engineer, TTDCL)

Copy also forwarded to:

- The Director (ADB), Department of Economic Affairs, Ministry of Finance.
- The Country Director, India Resident Mission, Asian Development Bank, New Delhi.

by writing/typing *(Confi	their name and conta	g project implementation. act information to enable us	to get in tou	uch with v	
	dential)* above this form	information will remain com,	nfidential, pl	ease info	
Date: -	Place of registration	Contact Information	Gender (v)		
		Name: -	Male	Female	
Age: -					
Home Address; -	Village: - PO: -				
	PS: -	District: -			
Phone No: -					
		PIN CODE: -			
Complaint/Suggestion/C how) of your grievance	Comment/Question Plea below:	ase provide the details (wh	no, what, wh	nere and	
f included as attachme eedback or update on y	nt/note/letter, please ti	ck here: How do you want e?	us to reach	you for	
Signature:					

APPENDIX 14: INFORMAL PUBLIC CONSULTATION AT FIELD LEVEL

A. Local consultation near Mohanpur DTW site – Ramkrishna Palli, Old MNC office on 30th August 2024

Informal consultation with local people near work site has been conducted. Discussion carried out for understanding their view on present project, any impact – noise, public movement- access and complete co-operation for implementation of the project.

Person consulted

- 1. Mr. Rabindra Malakar
- 2. Mr. Dhirendra Deb
- 3. Mrs. Lakshmi Deb

Contractor Representative

1. Mr. R. Rajamani, Project Manager, Eco Protection Engineers Pvt. Ltd

All are assured complete cooperation for the project and requesting for complete project at earliest. They informed that there is no as such feeling of impact during construction activity.





B. Local level consultation - Ranirbazar DTW site - Cremation ground on 2nd September 2024

Informal consultation with local people near work site has been conducted. Discussion carried out for understanding about the present project, any impact – noise, public movement- access and co-operation for implementation of the project.

Person consulted

- 4. Mr. Prasenjit Debnath
- 5. Mr. Subhankar Bhattacharya
- 6. Mrs. Manisha Chakraborty
- 7. Mrs. Dipika Saha

- 8. Mrs. Tulshi Sharma
- 9. Mr. Ratan Sen
- 10. Mrs. Jhumu Sen

Contractor representative

- 1. Mr. Iyyappa Durai, Sr. Site Engineer cum site in-charge, Eco Protection
- 2. Mr. Subham Sinha, Site Engineer, Eco-Protection

All are very much interested on the project and assured complete cooperation for the project and requesting for earlier completion of the report. They informed that there is no as such feeling of impact during construction activity. Short time impact is acceptable by the locals. Contractor assured for repairing of boundary wall at earliest.

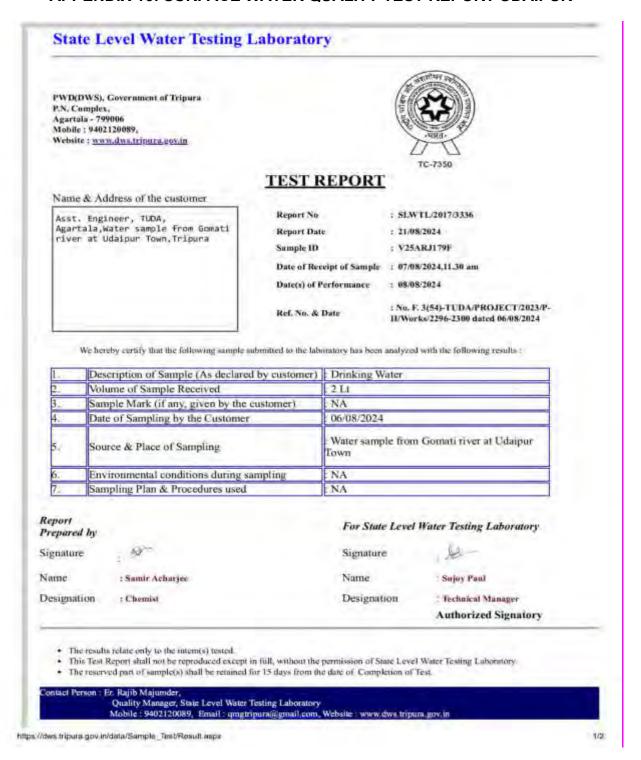




APPENDIX 15: SAMPLE FIRST AID RECORD Tourism Package - Chabimura

bva	BVG INDIA LIMITED			
Site:-T	ripura Urban Tourism Development Project (TUTDP)			
nanity Ahead Locati				
	ure Auromet			
NAME				
DESIGNATION	Masen			
DEPARTMENT	e avil			
CONTRACTOR NAM	E: Kwendre Reeny			
DATE/TIME	- 06/05/2024 / 3:50 PM			
AGE/SEX	- MALE /24			
AREA/LOCATION	Labour room / Chabimura			
CASE OF INJURY	The sale of the Jell Food was cut by a piece of wood and of dully morning			
TREATMENT GIVEN				
SIGNATURE	Misoana the dennes			

APPENDIX 16: SURFACE WATER QUALITY TEST REPORT UDAIPUR



State Level Water Testing Laboratory

PWD(DWS), Government of Tripum

P.N. Complex, Aganala - 799006 Mobile : 9402120089.

Website: www.dws.trimtra.gov.in



Report No SLWTL/2017/3336 Sample ID V25ARJ179F

Analysis of Result

SN	Characteristic	Acceptable Limit	Permissible Limit	Method of Test	Results
L	Temperature in °C	1		APHA 24th Edition 2550 B	29.5
2	Turbidity in N.T.U	i .	5	APHA 24th Edition 2130 B	315.0
3	pH value at 25°C	6.5-8.5	No Relaxation	APHA 24th Edition 4500-II+ B	6,68
4	Total Alkalinity in mg/l as CaCO3	200	600	APHA 24th Edition 2320 B	50,0
5	Total Hardness in mg/l as CaCO3	200	600	APHA 24th Edition 2340 C	60.0
6	Iron (as Fe) in mg/l	1.0	No Relaxation	APHA 24th Edition 3500-Fe B	4.562
7.	Chloride (as CI) in mg/l	250	1000	APHA 24th Edition 4500-Cl(-)B	14.0
8	Total Solid in mg/t	2000	No Relaxation	APHA 24th Edition 2540 B	74.6
9	Total Dissolved Solids in mg/l	500	2000	APHA 24th Edition 2540 C	70.8
10	Total Suspended Solid in mg/l	05	No Relaxation	APHA 24th Edition 2540 D	3.8
11	Nitrate (as NOs) in mg/l	45	No Relaxation	APHA 24th Edition 4500-CaCO3-B	15.32
12	Sulphate (as SO4) in mg/l	200	400	APHA 24th Edition 4500-SO4(2-)B	5.418
13	Calcium (as Ca) in mg/l	75	200	APHA 24th Edition 3500-Ca B	15.2
14	Magnesisan (as Mg) in mg/l	30	100	APHA 24th Edition 35(x)-Mg B	5.346
15	Total Flooride in mg/l as F	1:0	1.5	APHA 24th Edition 4500-F(-) D	0.327
16	Dissolved Oxygen in mg/l	06.or >06	No Relaxation	APHA 24th Edition 4500-O C	6.6

BDL - Below Detection Level for Floritike - St. 2 mpl, desente - St. 1000 mpl, from - St. 1 mpl. Magnestian - St. 2 mpl., Mangaerre - St. 81 mpl 40 %

Report Prepared by

For State Level Water Testing Laboratory

Name &

: Samir Acharjee

Heagunia ; Chemist

Signature Name

Sujoy Paul

Designation Technical Manager

Authorized Signatory

- End Of Report :-

Contact Person : Er. Rajib Majumdet

Quality Manager, State Level Water Testing Laboratory,

Mobile : 9402120089, Email : qmgtripura@gmail.com, Website : www.dws.tripura.gov.in

https://dws.tripura.gov.in/data/Sample_Test/Resulf.aspx

2/2

APPENDIX 17: Detailed Report on Flood of Gomati River

Detailed Report on Flood of Gomati River

IMPACT ON

Chabimura Tourism Destination Development (PKG: TTDCL/CHB/W01)

ADB funded Tripura Urban and Tourism Development Project (TUTDP)



URBAN DEVELOPMENT DEPARTMENT GOVT. OF TRIPURA

Tripura Urban Planning & Development Authority (TUDA) || Tripura Tourism Development Corporation Limited (TTDCL)

Introduction

- 4. Tripura, a state in the northeastern part of India, is prone to flooding due to its geography, heavy monsoon rains, and the influence of rivers like the Haora, the Feni, and the Gomati. The state experiences heavy rainfall from June to September, which often leads to seasonal floods. These floods can cause significant damage to homes, agriculture, and infrastructure.
- 5. In past years, Tripura has witnessed devastating floods that affected tens of thousands of people. The combination of excessive rainfall, poor drainage, and the rising water levels in rivers has led to widespread inundation of villages, displacement of families, and loss of crops. During floods, the state faces challenges in relief and rescue operations, as many areas become inaccessible due to submerged roads and bridges. Authorities often issue warnings and evacuate people from flood-prone zones to safer places. Relief efforts usually include providing food, medical supplies, and temporary shelter to the affected population.
- 6. The 2024 flood in Tripura was an apt example of a severe natural disaster that caused significant damage and loss of life. The relentless rainfall from August 18, 2024, led to widespread flooding and landslides across multiple districts. Key Impacts included:
 - Casualties: 32 people died, 3 were injured, and 1 person went missing.
 - Displacement: Over 38,000 families (nearly 1,49,087 individuals) were displaced and took shelter in 821 relief camps.
 - Infrastructure Damage: Roads, bridges, and power lines were severely damaged, disrupting transportation and communication.
 - Agricultural Loss: Approximately 5,000 hectares of vegetables and 1.20 lakh hectares of paddy fields were submerged, affecting food security.
- 7. However, government and humanitarian agencies-initiated relief and response efforts to provide aid to the affected population. These efforts included:
 - Providing food, water, and shelter to displaced people in relief camps.
 - Conducting search and rescue operations.
 - Restoring damaged infrastructure.
 - Providing medical assistance to the injured.
- 8. The present document details out the impacts that the flood had on the project works of "Chabimura Tourism Destination Development (PKG: TTDCL/CHB/W01)" and how those were mitigated and work was resumed promptly.

This report consists of the following:

- ✓ Situation before at work site, during flood condition and present situation/ post flooding stage with photographic evidences
- ✓ Detail of loss due to flood (manpower/machinery/materials)
- ✓ Management of manpower and equipment during flood
- ✓ Any lesson learned from flood situation
- ✓ Rectification of design increase of HFL
- ✓ Protection work planned near river including stabilization of work sites
- ✓ Rearrangement of units if any due to flood

Location of the project

9. Chabimura is a popular tourist destination under the jurisdiction of Debbari village panchayat at a distance of about 12 km from Amarpur Sub-Division, 30 km from Udaipur town in district Gomati and about 82 km from the State capital Agartala. Amarpur town situated towards southeast direction of Chabimura is the gateway to the place. The place is easily accessible by the road Udaipur – Amarpur State highway as well as National Highway NH-08. It takes about 2.30 hours to reach Chabimura by road from Agartala. There are many private and public sector travel agencies having luxury coaches, tourist cabs, small cars plying on the road to Chabimura. The nearest airport is Maharaja Bir Bikram Airport situated about 92 km away from the project site and rail head is Udaipur railway station about 37 km away.



Fig. 1: Proposed zoning plan of Chabimura project site (source: IEE Report)



Fig. 2: Existing infrastructure at Chabimura site (source: IEE Report)

<u>Scenario</u>

10. The incessant rainfall during the month of August-September of 2024 caused extensive flooding in various parts of the state. The Gomati River, which flows alongside the project site of Chabimura, also swelled up during the rains. As a result of the increased flow of water, the Gomati River overflowed its banks and caused flooding in the project site. The immediate effect was the suspension of all work at site.

1. <u>Situation before - at work site, during flood condition and present situation/ post</u> flooding stage - with photographic evidences

11. Work commenced at site in July, 2024. However, BVG India Ltd. (the contractor) had to suspend all works at site and intimated through letter no. BVG/TTDCL/CHABIMURA/TR/56 dated 27.08.2024 (letter attached as **Annexure -1**). The following pictures (Plate 1 to Plate 3) give an idea of how much the natural disaster affected the project. That letter shows



Plate 2: Pictures of Chabimura project site during the flood of August, 2024



2. Detail of loss due lottood (Multipower maimurer project site) after the flood

- 12. The loss due to the flood was threefold, viz.:
 - a. Materials: A significant amount of construction materials, including cement, sand, metals, steel, shuttering had been either washed away or rendered unusable due to prolonged exposure to water.
 - b. Machinery: Several heavy-duty machines, including excavators, Ajax, Diesel Generator, concrete mixer, etc. had been damaged. Water infiltration had caused severe electrical and mechanical failures in these machines, rendering them non-operational.
 - c. Approach road: The flooding had caused substantial erosion and complete damage to the approach road.
- 13. **Annexure 1** also shows the declaration from contractor about the loss and impact due to devastating flood.

3. Management of manpower and equipment during flood

14. All manpower and most equipment were shifted ahead of the flood. There was some recorded material and equipment damage. Details provided by contractor enclosed as **Annexure-2**

4. Any lesson learned from flood situation

- 15. Emergency preparedness and Disaster Management proposal.
 - Management plan will be developed for advance application of mitigation measures
 - Responsibility matrix will be prepared for emergencies and natural disasters.

5. Rectification of design - increase of plinth level as per HFL

- 16. The decision to raise the Plinth Level from 0.45m above EGL/ HFL to 0.70 m above Govt declared HFL and adjust the plinth levels of key residential and commercial habitats in Chabimura, such as the Eco Restaurant, Proposed Cottage, and Office Quarters, responds to the flooding experienced in August 2024. These changes are part of a broader effort to reduce flood risks and protect infrastructure.
- 17. The Plinth Level increase accounts for the possibility of more extreme flooding, driven by factors like changing weather patterns and increased rainfall. The adjustment reflects the updated understanding of local flood behavior, with the goal of providing better protection against future floods. This higher threshold ensures infrastructure is safeguarded during severe events.

6. Protection work planned near river including stabilization of work sites

18. Already, a gabion wall has been considered in the design as shore protection measure and to combat the flooding in the future.

7. Rearrangement of habitat units if any due to flood and River bank erosion

Habitat area	Work components location rearranged (Yes/No)	Reason of Shifting	Previous Level (Before Flood)	Current / work level (after flood)
Eco Restaurant, Proposed Cottages, and Staff Quarter (10- 20 Person with Manager Room)	Yes	Joint decision by TTDCL and PMSC TUDTP after 2024 flood	0.45 m above EGL / HFL	0.70 m above Govt declared HFL

19. **Plate 3** below shows re-arrangement of different units due to Gomati River bank erosion.

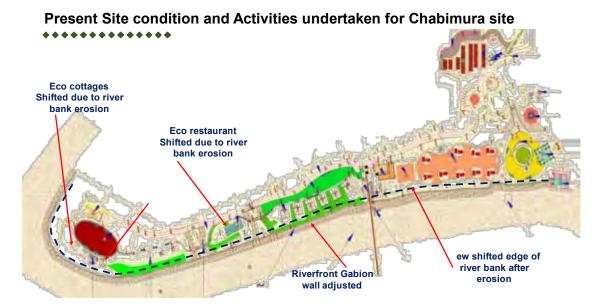


Fig 3: Rearrangement of different units due to Gomati River bank erosion Conclusion and Recommendation

- 20. The flooding calamity in Tripura in August-September, 2024 was a curveball in the direction of development of the state and was an eye-opener about the effect a natural disaster has on the population of a region.
- 21. It is recommended that construction of residential and commercial amenities in low-lying areas be avoided to minimize flood risks. Additionally, the passage of natural drains and channels should be maintained and protected to ensure proper water flow, prevent flooding, and preserve the natural hydrological system.
- 22. Particularly in Chabimura project, the riverside protection works such as gabion wall shall have to be properly implemented.
- 23. The works have been resumed post the subsidence of flood on 24.09.2024 and has been intimated by the contractor vide letter no. BVG/TTDCL/CHABIMURA/TR/69 dated 23.09.2024 (letter attached as **Annexure -3**)

Annexure-1



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Letter No.: BVG/TTDCL/CHABIMURA/TR/56

Date: 27/08/2024

To,
The Additional Project Director (Tourism) Cum Managing Director
TTDCL, Swetmahal Palace Compound
Agartala - 799001
Tripura.

Subject: - Tourism Destination Development at Chabinura and apgradation/Beautification of Visitor amenities/facilities at Fatik Sagar and Amar Sagar - Request for considering minimum one month for resuming the ongoing work site (Chabinura, Amarpur) effected by the flood.

Name of Client: - Tripura Tourism Development Corporation Ltd. Name of Agency: - BVG India Ltd. Ref.:- LOA No. F.2 (321)-PI/TT/2023/8570-73, dated - 16/12/23

Respected Sir,

With reference to the subject cited above we are writing to inform you about the severe impact of the recent floods on our construction site located at Chabimura, Amarpur, Tripura. The unprecedented flooding has caused extensive damage to the site, resulting in significant setbacks to our ongoing project.

Due to the floodwaters, all construction materials stored on-site have been either completely washed away or rendered unusable. Additionally, our machinery and equipment have been severely damaged and are currently non-operational. And also the structural building work experienced significant water intrusion. The waterlogging and debris accumulation have further worsened the situation, making it impossible to continue with construction activities under the current conditions.

The damage has not only resulted in financial losses but also significantly may effect in project timeline. We request your urgent intervention to assess the damage and provide necessary assistance or guidance on the immediate steps to mitigate further risks and expedite the restoration and repair work.

The following are some of the damages observed:

- Materials: A significant amount of construction materials, including cement, sand, metals, steel, shuttering has been either washed away or rendered unusable due to prolonged exposure to water.
- Machinery: Several heavy-duty machines, including excavators, Ajax, Diesel Generator, concrete mixer, etc. have been damaged. Water infiltration has caused severe electrical and mechanical failures in these machines, rendering them non-operational.
- + Approach Road: The flood has caused substantial erosion and complete damage.



BVG INDIA LTD. ABINATA VIRAS CIRCUP COMPANY CIR. UTMIROPRIZACIONI CONTROL

REDISTERED OFFICE

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Given the extent of the damage, we estimate that it will take more than a month to resume work on the site. This time frame will be necessary to procure new materials, repair or replace damaged machinery, and ensure the site is safe and suitable for construction activities to recommence.

In light of these unforeseen circumstances, we kindly request you to consider minimum one month to resume the construction activities (Please consider this time period under dry condition, if there is no further heavy roinfall at site). We assure you that all possible measures will be taken to expedite the recovery process and resume work as soon as it is safely feasible.

We sincerely appreciate your understanding and support during this challenging period. Thank you for your attention to this matter.

For BVG INDIA LTD PUNE

Authorized Signature,

PUINE OF

Enclosure:

- Material & Machineries Damage List.
 - 2. Site photographs.

Copy to:

I. PMSC, TLITDP.

Annexure-2

	SITE:TRIPURA TOURISM D	DEVELOPIN	MENT CO	PORA	TION
_	LTD,C	chabimura			
Sr No	Material Description	Unt	Qty	Rate are without GST	Amount
1	OPC 43 Garade Cement	Bags	80	368	29440
2	White sand	Brass	25	4286	107150
3	10mm Aggregate	Brass	15	12300	184500
4	20mm Aggregate	Brass	12	13500	162000
5	Black sand	Brass	12	1619	19428
6	Shuttering material	Sqm	45	350	15750
7	0.3mm Gl Sheet (8' x 2.5')	No's	10	389	3890
8	0.3mm Plain GI Sheet (8' x 4')	Kg	30	75.5	2265
9	Electric meter	No's	1	1000	1000
10	Halogen Light 50w	No's	7	1519	10633
11	Copper Electric wire (2,5sqmm)	Mtr	100	26.84	2684
12	Red Bricks 4"	No's	355	10.71	3802.05
13	Electrical Change over	No's	1	6300	6300
14	Approch Road (Murum)	Cum	1080	530	572400
			Tot	al A:	1121242.0
	Machinery				
1	30KVA DG SET Servicing charges				200000
2	4000-Ajax Servicing charges	1			80000
3	1107-Roller Servicing charges		11 11		100000
			Tot	al B;	380000
			Grand T	otal A+B:	1501242.0

Annexure-3



BVG INDIA LTD.

A BHARAT VIKAS GROUP COMPANY CIN 1J74999PN2002PLC016834

REGISTERED OFFICE:

BVG House, Premier Plaza, Pune-Mumbel Road, Chinchwed, Pune - 411 019 INDIA. Tel : +91 - 20 - 27464220 / 21 Fax : +91 - 20 - 27462273 E-mail: info@thygindle.com Website: www.bygindle.com

Letter No.: BVG/TTDCL/CHABIMURA/TR/69

Date: 23/09/2024

To. The Additional Project Director (Tourism) Cum Managing Director TTDCL, Swetmahal Palace Compound Agartala - 799001 Tripora.

Subject: - Tourism Destination Development at Chabimura and upgradation/Beautification of Visitor amenities/facilities at Fatik Sagar and Amar Sagar - Resumption of Work Post-Flood.

Name of Client: - Tripura Tourism Development Corporation Ltd.

Name of Agency: - BVG India Ltd.

Ref.:- LOA No. F 2 (321)-PI/TT/2023/8570-73, dated - 16/12/23

Respected Sir.

With reference to the subject cited above we want to inform you that we are resuming the work at site from 24-09-24 after the recent interruption caused by the floods:

We would appreciate your continued support and cooperation as we move forward with the project.

Thank you for your time and cooperation.

Yours sincerely,

For BVG INDIA LTD PUNE

Authorized Signature,

Copy to:

PMSC. TUTDP

India's Largest Integrated Services Company

BRANCHES BANGALORE | CHEMNA | HYDERABAD | MUMBA | AHMEDABAD | BHOMAL | JAMBHEDPUR | JAPPUR | HARIDWAR | FATNA