

Submission of Monthly Progress Report for the Month of June 2022 and July, 2022 in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Tripura

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

As per Census, 2011, the Rural Population: 2712464

As per Census, 2011, the Urban Population: 961453

II. Estimated Sewage Generation (MLD): 82.4 MLD

[As per the Direction of Hon'ble NGT, the government has adopted new strategy such as bio remediation/phyto remediation and installation of Feacal Sludge Treatment Plant (FSTP) for the liquid waste management, therefore, the total sewage generation for the State will change and it will be informed accordingly]

III. Details of Sewage Treatment Plant:

- **Existing no. of STPs and Treatment Capacity (in MLD):** 1 (One) nos. STP of 8 MLD capacity is operational in the State. Total 96 Km sewer line is already connected to the STP including 9 pumping stations.
 - **Capacity Utilization of existing STPs:** 3 MLD (approx.). The State is in progress to utilize the full capacity of the existing STP by connecting the north zone and central zone with this existing STP. DPR has been prepared and Tender will be floated soon. The State is in progress to utilize the full capacity of the existing STP by connecting the north zone and central zone with this existing STP. Moreover, a work for 8.5 Km sewerage pipeline with a provision of 600 nos house connection has been taken up under the AMRUT scheme, the work is in the verge of completion. For taking up the remaining sewer connection of 1590 households covering 34.17 km a DPR has been prepared by Engg. Wing of UDD which amounts to 46.12 crores. Proposal to fund the same has been sent to MoHUA. However, it has been decided in the State Level Committee Meeting that the cess pull will be used to collect the sewage from different areas to STP where drainage facility is yet to be provided for full utilization of the existing STP.

- **MLD of sewage being treated through Alternate technology:** 0.72 MLD
Faecal Sludge Co-treatment.
- **Gap in Treatment Capacity in MLD:** 74.4 MLD
[As per the strategy of the government with respect to bio remediation / phyto remediation and FSTP, the gap will also change]
- **No. of Operational STPs:** 1 nos.
- **No. of Complying STPs:** 1 nos.
- **No. of Non-complying STPs:** Nil

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Technology	Compliance Status of STP
1	Barjala, Near Lankamura, Agartala. Latitude 23°85'16.92" N Longitude 91°26'34.63" E	8 MLD	27%	Operational.	SBR	Complying with the standards.

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Akhaora ICP, Agartala	8 MLD	Work awarded and site handed over to the agency. Civil construction to be started. The project related field survey, soil testing has been completed by the concerned contractor (M/S Mecgale Premier world JV) and structural design is under approval stage.	-	2022

Details of proposed STPs in the State : Presently Tripura has shifted its strategy from sewage treatment to partial sewage treatment combined with Faecal Sludge Treatment. Therefore, 20 ULBs will install a combined STP and Faecal Sludge Treatment Plant (FSTP) in their jurisdiction. Pre-feasibility study is going on.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
20	All 20 ULBs	Combined FSTP & STP	Setting up of STP is taken up under ADB for which consultants are engaged who are preparing DPR after conducting field survey.	May 2022.
210 Drains	All ULBs	In-situ bio-remediation.	•All the ULBs have been directed to adopt in-situ Bio-remediation and phyto remediation of sewage in drains. And all the major drains have been identified. •The tender for Bio remediation for 5 drains as pilot basis in Agartala has been completed. Work will commenced soon.	May 2022.

IV. Details of Industrial Pollution:

- **No. of industries in the State:** 2466 Nos. industrial units exist in the state. However, there are only 179 nos. of industrial units identified within the 500 meters of catchment areas of the six identified river stretches in Tripura.
- **No. of water polluting industries in the State:** There are only 179 nos. of industrial units has been identified within 500 meters of the catchment area. Among these 179 nos. of industrial units, only 18 industrial units are foremost generator of industrial effluents. And almost all the industrial units have installed ETPs.

- **Quantity of effluent generated from the industries in MLD:** The total industrial discharge from the industries within the 500 meters of catchment area is 14427 LPD. A total of 179 industries are present within 500 meter of the catchment areas of the Six identified river. Out of 179 industries, most of the industries are not generating any industrial effluent and those who generates are already equipped with ETP.

Name of the River Stretches: Burigaon (Along Bishalgarh)					
Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
1410 LPD	1410 LPD	Nil.	4	Most of the industries are very small. Basically, this waste water generates from Small Scale Auto Mobile & vehicle servicing units after cleaning of their tools & machineries.	Waste water is being discharged into concrete pit or drains after primary treatment. No waste water /effluent have been discharged directly into the river.
Name of the River Stretches: Gumati (Telkajla to Amarpur)					
Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
157 LPD	157 LPD	Nil	3	Most of the industries are very small. Basically, this waste water generates from Small Scale Auto Mobile /LMV repairing unit. No such waste water generates from these units except the waste water from cleaning of tools & machineries.	Waste water are being discharged into concrete pit or drains after primary treatment. No waste water /effluent have been discharged directly into the river.
Name of the River Stretches: Haora (Agartala to Champaknagar)					

Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
8860 LPD	8860 LPD	Nil	22	Most of the industries are very small. Basically, this waste water generates from Small Scale Auto Mobile /LMV repairing unit/confectionary. Very small quantity of waste generated from these units. The capacity of ETPs are i.Capacity (Below 2000LPD) : 10 Nos. ii. Capacity (2000 to 5000) : 4 Nos. iii.Capacity (above 10000LPD): 2 Nos.	Waste water are being discharged into concrete pit or drains after treatment through ETPs and primary treatment facilities. No waste water /effluent have been discharged directly into the river.
Name of the River Stretches: Juri (Along Dharmanagar)					
Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
4000 LPD	4000 LPD	Nil	2	Most of the industries are very small. Basically, these waste water generates from Small Scale Auto Mobile /LMV repairing unit/confectionary. Very small quantity of waste generated from these units. The capacity of ETPs are i)Capacity (Below 2000LPD): Nil ii)capacity (2000 to 5000):1 Nos iii)capacity (above 10000LPD):1 Nos	Waste water are being discharged into concrete pit or drains after treatment through ETPs and primary treatment facilities. No waste water /effluent has been discharged directly into the river.
Name of the River Stretches: Khowai (Along Teliamura)					
Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
Nil	Nil	Nil	Nil	Nil	--

Name of the River Stretches: Manu (Along Kailashahar)					
Generated	Processed/ Treated	Gap	No of industries discharging effluent	Capacity of ETP plants	Remarks
Nil	Nil	Nil	Nil	Nil	--

- **Quantity of Hazardous Sludge generated from the Industries in TPD:** 0.077 MTPD
- **Number of industrial units having ETPs:** In the State of Tripura, there are 46 Nos. of Industries equipped with ETP. However, within the 500 meter of the catchment area of the 6 identified river stretches, there are 18 ETPs has been installed.
- **Number of industrial units connected to CETP:** 7 Nos.
- Number and total capacity of ETPs (details of existing/ under construction / proposed) : 46 nos. of ETPs were installed in the State. However, within the 500 meter of the catchment area of the 6 identified river stretches, there are 18 ETPs has been installed.
- Compliance status of the ETPs: 46 nos. of ETPs were installed in the State. However, within the 500 meter of the catchment area of the 6 identified river stretches, there are 18 ETPs has been installed and all are functional.
- **Number and total capacity of CETPs (details of existing/ under construction / proposed) :** 1 nos. CETP has been installed with capacity of 500 KLD at Bodhjungnagar, Agartala. Another CETP of 1 MLD capacity has been installed and commissioned at Sikaria Mega Food Park, west Tripura.
- **Status of compliance and operation of the CETPs:**

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Bodhjungnagar, Agartala	7	Rubber Processing Units, Food Processing units, beverage etc.	After primary treatment through the ETPs of the concerned industrial units the effluent goes to the	Complying with the standards.

			CETP.	
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V. Solid Waste Management:

- **Total number of Urban Local Bodies and their Population:**

Total No. of Urban Local Body: 20 Nos. and Population: 9.61 Lakhs

- **Current Municipal Solid Waste Generation:**

Quantity of MSW generated (TPD)	320.62
Quantity of MSW collected (TPD)	263
Quantity of MSW processed (TPD)	202
Quantity of MSW disposed in secured land fill site (TPD)	12.89

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc:**

- Already in Agartala (capital city), a 250 TPD capacity Solid Waste Processing Plant (composting plant) is operational with valid Authorization and Consent Certificate. This Plant is also catering the processing of solid waste from nearby 4 smaller urban local bodies, i.e., Bishalgarh Municipal Council, Mohanpur Municipal Council, Ranirbazar Municipal Council & Jirania Nagar Panchayat.
- Further, a 6 (Six) TPD capacity Solid Waste Processing Plant is operating in Kamalpur Nagar Panchayat under Dhalai District.
- Total target for setting up of Tertiary Waste Treatment Plant is 17 nos. out of which construction work has been started in 16 ULBs and construction work is yet to be started in 1 nos. ULBs. It is expected that all the tertiary centres will be made operational by December, 2021. It will help to mitigate the gap.
- **Secondary centres/MRFs** – One centre is proposed for every 3-4 wards. Most of the ULBs have selected land for the same. Total target for setting up of Secondary Waste Segregation Centres is 94 nos. out of which 75 nos. are already operational and remaining centers under construction which will be operational shortly for waste segregation.
- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Setting up of Tertiary solid waste processing facilities will definitely decrease the gap. Setting up of Tertiary Solid Waste processing facilities is being started in 16 ULBs already. It is expected that all the tertiary centres will be made operational very soon. One Secondary centre/MRF is

proposed for every 3-4 wards. All 20 ULBs have selected land for the same. 75 nos of such centres are already made operational.

- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):**

The State C&D Waste Management Policy has already been notified on 21st day of December 2019. It is planned to set up units for manufacturing of eco-bricks, mechanical hollow bricks, paver blocks, etc., on PPP basis, using construction and demolition waste. The urban local bodies themselves can have buy-back arrangements for procuring and using these products for their own construction works. C&D waste processing plant being operated by SHG in Teliamura, Udaipur etc is available. UD Department issued instruction to ULBs to setup similar C&D waste processing plants in all remaining ULBs. The Udaipur Municipal Council has also taken initiative to manufacture paver blocks from the C & D wastes. Women SHG is making paver block under UMC from C & D Waste.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source;**

Total no. of wards	334 nos.
No. of wards having door to door collection service	334 nos.
No. of wards practicing segregation at source;	334 nos.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):**

17 Nos Tertiary Centers (Here organic wet waste will be processed using Vermi-composting) was proposed for 17 ULB except (AMC, Kamalpur and Bishalgarh who will use the existing infrastructure). Setting up of Tertiary solid waste processing facilities will definitely decrease the gap. Setting up of Tertiary Solid Waste processing facilities is being started in 14 ULBs already. It is expected that all the tertiary centres will be made operational very soon. One Secondary centre/MRF is proposed for every 3-4 wards. All 20 ULBs have selected land for the same. 75 nos of such centres are already made operational.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. : Nil**

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : Nil**
- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:**

210 small drains have been identified scattering all over the State. Wire mesh were installed in all the drains to prohibit the littering of any solid waste including plastic waste into any river. Baseline survey is going on for execution of bio remediation / phyto remediation of the identifies drains.

Status of ULB wise Management of Solid Waste:

ULB Name	ULB Code	Total Wards	Wards with 100% D2D Collection	Wards with 100% Source segregation	Generation (TPD)
RANIRBAZAR	801522	13	13	13	3.39
AGARTALA	801523	49	49	47	242.93
JIRANIYA	900002	11	11	11	2.39
MOHANPUR	900004	15	15	15	3.19
SANTIR BAZAR	801528	15	15	15	3.21
BELONIA	801529	17	17	17	4.49
SABROOM	801530	9	9	9	1.44
KAMALPUR	801531	11	11	11	4.53
AMBASSA	801532	15	15	13	3.41
DHARMANAGAR	801534	25	25	25	10.06
PANISAGAR	900005	13	13	13	2.33
BISHALGARH	801524	15	15	15	4.69
SONAMURA	801525	13	13	13	2.77
MELAGARH	900003	13	13	13	3.43
KHOWAI	801520	15	15	15	4.62
TELIAMURA	801521	15	15	15	4.90
UDAIPUR	801526	23	23	17	8.17
AMARPUR	801527	13	11	11	2.50
KAILASAHAR	801533	17	17	17	4.99
KUMARGHAT	801535	15	13	13	3.19
		332	328	318	320.62

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:** 2800 kg/day (in the ULBs and Towns of catchment areas of the six rivers)

- **No. of Hospitals and Health Care Facilities:**

Total No. of Hospitals and nursing homes: 158 (bedded). Work order has been issued to install STP in seven district hospitals.

- **Status of Treatment Facility/ CBWTF:**

As of now no Common Bio-Medical Waste Treatment Facility (CBWTF) exists in Tripura and the Bio-medical Waste is being managed in a decentralized manner by concerned Public Health Facilities through their captive treatment facilities. Amongst the Public Health Facilities 03 state level hospitals namely GBP Hospital, IGM Hospital & Cancer hospital have their own incinerator. Other Public Health Facilities are managing the biomedical waste through disinfection, deep burial & sharp pits.

One CBWTF Operator has been selected by Health & Family Welfare Department, Govt. of Tripura through open tendering through e-Procurement for the whole State of Tripura. The CBWTF is under construction at Devendra Chandra Nagar in West Tripura District. It is expected that the said unit will be made functional within next 2 months.

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 360.14 MTA
- **No. of Industries generating Hazardous waste:** 172 nos.
- **Treatment Capacity of all TSDFs:** There is no TSDF facility available in the State.
- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:** There is no TSDF facility available in the State.
- **Details of on-going or proposed TSDF:** Yet to be finalized.
- Fresh inventorization of the Hazardous Waste generation will be done. Tendering process has already been completed for selection of the Agency and work order has been issued.

VIII. Plastic Waste Management:

- **Total Plastic Waste generation:**
As per annual report 2020-21, on PWM Rules, 2016, the amount of Plastic waste generated in the State is: 61.65 TPA.
- **Treatment/ Measures adopted for reduction or management of plastic waste:**

Collected through MRF in each ULBs. There are 19 registered Recyclers in the State.

IX. Details of Alternate Treatment Technology being adopted by the State/UT :

Recently, the State has started using the plastic wastes in road making purpose.

Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:

- All the ULBs have been directed to adopt in-situ Bio-remediation and phyto remediation of sewage in drains. **(Annexure 1)**
- All the major drains have been identified.
- Survey work is going on for preparation of baseline information for pollution abatement of storm drains through in situ bio remediation in 20 ULBs in Tripura. Survey team has completed survey in 38 drains. After completion of base line study of each drains (length, widths, flow, discharge etc.) tender will be floated by UDD for each ULBs for execution of in situ bio remediation works. **(Annexure- 2)**
- The ULB wise generation of sewage has been estimated by the Urban Development. **(Annexure- 3)**
- The tendering process for Bio remediation for 5 drains as pilot basis in Agartala has been completed. However, the agency was unwilling to takeup the works. Re-tendering has been done. **(Annexure- 4)**
- The technical specifications of Faecal Sludge Treatment Plants (**FSTPs**) of 600 KLD capacity has been finalized and uploaded in the website of Urban Development Department. Setting up of STP is taken up under ADB for which consultants are engaged who are preparing DPR after conducting field survey.
- The Urban Development Department has submitted fund proposal for setting up of FSTP to NRCD, MoJS. **(Annexure- 4A)**

X. Details of Nodal Officer appointed by Chief Secretary in the State/UT:

River Rejuvenation Committee has been constituted by the Government to look after the implementation of Action plan for identified river stretches.

XI. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

The Chief Secretary, Tripura is conducting monthly review meeting to address the issue of six identified river stretches along with other environmental issues. **(Annexure- 5)**

Moreover, the River Rejuvenation Committee (RRC) is conducting meetings to review the progress in implementation of the action plan for restoration of the six identified river stretches in Tripura. The Minutes of the said meetings are enclosed as **(Annexure 6)**

XII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

Tripura State Pollution Control Board (TSPCB) is conducting water quality monitoring on monthly basis under National Water Quality Monitoring Programme (NWMP) of Central Pollution Control Board for the following six identified polluted river stretches in the State:

River	River Stretch
Burigaon	Along Bishalgarh
Gumti	Telkajila To Amarpur
Haora	Agartala To Champaknagar
Juri	Along Dharmanagar
Khowai	Along Teliamura
Manu	Along Kailashahar

From the analytical report for all the monitoring locations of six rivers entered in EWQDES portal of CPCB by TSPCB since June, 2016, it has been observed that the BOD values for the six identified polluted river stretches were within prescribed standard limit (3 mg/l) except for some specific months in respect of Gumati river (June, July, August & September, 2016 at Sonamura location), Haora river (June & July, 2016 at Chandrapur location; June to August, 2016 at Dashamighat location) Juri river (June to November, 2016 at Krishnapur location) Manu river (June to August, 2016 at Kailasahar location). It is relevant to mention that for all the monitoring locations of Khowai river, the BOD value was within prescribed standard limit (3 mg/l) since June, 2016. The month wise latest analytical report in respect of BOD values for the six identified polluted river stretches are at **(Annexure -7)**

Based on the water quality, the State has already requested CPCB for delisting of the six identified river stretches from the list of the 351 polluted river stretches of the country.

XIII. Ground water regulation:

- a. For drinking water, rural area in Tripura State is mostly dependent on underground water sources. The underground water is lifted through the schemes like Deep Tube Well, Small Bore Tube Well, Mark-11 /III, Ordinary Hand Pump etc. In rural areas, where flow of water in river and cherra is adequate, many surface water treatment plants have already been setup and works of many other plants are in progress.

- b. Scenario of Rural Water Supply Sources in Tripura State as on **22.01.2020** is as follows:

a)	Deep Tube Well (DTW) in Nos	:	1841
b)	Small Bore Tube Well (SBTW) in Nos	:	3625
c)	Surface Water Treatment Plant (SWTP) in Nos	:	36
d)	Ground Water Treatment Plant(GWTP) in Nos	:	35
e)	Spot Source like MarkII/III, OHP etc in Nos	:	16079
l)	Innovative Water Supply Scheme in Nos	:	256

- c. Scenario of (Urban Water Supply Sources of Tripura State as on Date is as follows:

a)	Deep Tube Well (DTW) in Nos	:	174
b)	Small Bore Tube Well (SBTW) in Nos	:	84
c)	Surface Water Treatment Plant (SWTP) in Nos	:	18
d)	Ground Water Treatment Plant(GWTP) in Nos	:	03
e)	Spot Source like Mark II/III, OHP etc in Nos	:	170

- d. As per report of the Central Ground Water Board, in Tripura State Annual Replenishable Ground Water Resources is 2.19 billion cubic meter (BCM), Net Annual Ground Water' Availability is 1.97 BCM, Annual Ground Water Draft is 0.17 BCM, Stage of Ground Water Development is 9%. Critical stage of Ground-water development is 70 % or above.
- e. As per earlier NRDWP guidelines (para 9.4 page number 11), 10% of the NRDWP fund shall be utilized for Sustainability of rural water supply schemes. Relaxation will be available only to those States/

areas that are 'Water Surplus' (with annual normal rainfall more than 1500mm). In the State of Tripura the average annual rainfall is more than 1500mm recorded.

- f. In the year 2005, analysis of 3682 water samples was carried out through the All India Institute of Hygiene & Public Health (AIIPH), Kolkata and presence of Arsenic in 8 samples above permissible limit (0.05 mg/ltr as per BIS 10500), iron in 3511 samples above permissible limit (1 mg/ltr as per BIS 10500) were found. No other heavy metals i.e. Lead, Zinc, Manganese were found. The presence of Arsenic beyond permissible limit was detected in Ordinary Hand Pump and Mark-11 only. As Arsenic in drinking water is health hazard, at once all the above 8 no. water sources were sealed and alternative sources were created for drinking water supply to that locality.
- g. Accordingly, 17 numbers new water testing laboratory in the District and DWS Sub Division level have been setup and strengthened the existing water testing laboratory to develop adequate competency and efficiency of the water quality monitoring & surveillance throughout the State. Every year, almost 80% of water supply sources are being tested through laboratory as well as Field Test Kits and the results are being uploaded in the online IMIS of Ministry of Drinking Water & Sanitation, Government of India.
- h. From the test results, it is observed that the underground water of Tripura State is mainly infested **with iron beyond** permissible limit. There is no presence of Arsenic beyond permissible limit in drinking water sources at present. Moreover, presence of Lead, Zinc, Manganese etc. in the drinking water sources is not detected so far. Iron removal plant (IRP) has been installed in almost every places in Tripura.
- i. While issuing the Consent to Establish & Operate Certificate by TSPCB to any industry where extraction of ground water has been done, the permission of Central Ground Water Authority is required as pre requisite condition for obtaining the consent certificate from Tripura State Pollution Control Board. In addition, the industries using ground water are also being directed to recharge

the ground water through ground water recharging pit.

- j. Moreover, the industries handling with chemicals and hazardous wastes are also being directed not to inject any chemicals/hazardous wastes into the ground water as well as water body without any treatment.
- k. Central Ground Water Board under the Ministry of Jal Shakti, Department of Water Resources, Government of India issued Show Cause Notice to 04 nos. of Industries for not applying to the Board to renew the NOC for extracting ground water in due time.
- l. Direction has been issued to all the industries which are extracting ground water for industrial purpose and also for compliance of environmental norms.

XIV. Good irrigation practices being adopted by the State:

Generation of mass awareness to conserve water and also for good irrigation practices is being carried out by the farmers in the catchment areas of the River.

XV. Rain Water Harvesting:

- All the industries using in the catchment areas responsible for using ground water for industrial purpose is directed to construct rain water harvesting plant and the compliance has been ensured. Accordingly, Rain water harvesting plant has been constructed by almost all the concerned units.
- A comprehensive Rain water harvesting plan has submitted to CPCB.
- In the new Building Rules, the roof top Rain Water Harvesting systems have been included for all new building.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

Flood Plane Zones of six identified river stretches were already identified. The details of flood plain area for the identified six river stretches are as follows:

Name of river	Flood plain areas
Burigaon	Laxmibil, Chandranagar, Naraura, Raghunathpur, Jangalia, Kadamtali, Gazaria, Dhakarbari, Rahimpur, Rangapani, Sikria, Andigang.
Gumti	Uttar Maharani, Udaipur, Palatana, Shilghati, Melaghar, Sonamura.
Haora	Khayerpur, Kashipur, Baldakhal, Aralia, Jogendranagar, Joynagar (Dashamighat).

Name of river	Flood plain areas
Juri	Satshangam, Kadamtala, Sharaspur, Churaibari, Maheshpur, Laxminagar, Bishnupur, Chandrapur, Dharmanagar, Radhapur.
Khowai	Dashamighat (TLM), Baishghar, Maiganga, Isharbill, Hadrai, Moharcherra, Kalyanpur and Dwarikapur.
Manu	Latiapura, Srirampur, Kailasahar, Chantail, Jalai, Pecherdhahar, Dalogaon, Fatikroy, Taraninagar, Masauli.

The PWD (Water Resource) Department, Government of Tripura prepared Flood Plan Zoning maps showing the flood plain area for the six identified river stretches. The Flood Plan Zoning maps have been enclosed as **(Annexure-8)**.

XVII. Maintaining minimum e-flow of river:

- Bamboo Plantation on sides of the river banks has been done in collaboration with Forest Department, Tripura. Target achieved 100%.
- The status report of river bank plantation and installation of check dam has been annexed as **(Annexure-9)**.
- Check dam has been installed to maintain the E-flow of the river.
- The e-flow meter will be installed by PWD department and tendering process is going on. **(Annexure-10)**.

XVIII. Model River: The State of Tripura has identified Haora river stretch as the Model river for implementation of Action Plan for restoration of the river. This is also communicated to the NMCG with a copy to CPCB. All the concerned ULBs have been requested for proper implementation of the said Action Plan for restoration of identified river stretches.

XIX. Plantation activities along the rivers:

Bamboo Plantation on sides of the river banks has been done in collaboration with Forest Department, Tripura. Target achieved 100%.

XX. Development of biodiversity park:

Extensive Bamboo Plantation on sides of the river banks has been done.

XXI. Reuse of Treated Water:

- The Urban Development Department and Urban Local Bodies has taken many initiatives for utilization of treated sewage effluent.
- AMC had prepared the Action Plan for utilization of treated waste water from Sewage Treatment Plant (STP) located at Barjala,

Agartala. The said Action Plan was sent to Central Pollution Control Board (CPCB) in March 2019.

- AMC is already using treated waste water from the Barjala (Near Lankamura) STP for various activities including watering of gardens & open space in Agartala city, road watering in dry seasons, irrigation of agricultural fields etc.
- A notification has been issued by AMC to use only treated water for the watering of gardens & open space in Agartala city, road watering in dry seasons and never to allow use of drinking water for these activities. AMC also confirms that presently no surface or ground water is used for watering parks and gardens in the city.
- As per the revised Action Plan for utilization of treated water, the additional steps taken by AMC for full compliance of the Hon'ble NGT order are as follows.
 - A dedicated team is formed to look after the gardens and parks in Agartala city. At present watering is done by jetting machines which collect treated waste water from the STP at Barjala.
 - Under ADB support, 15 no. of tankers filled with suction pump will be shortly delivered to AMC out of which 6 no. of vehicles shall be utilized for watering parks and gardens across the city.
 - AMC has received 3 no. of heavy duty sweeping machine with water tanks from the Department under ADB project. Watering on roads are continued with these machines.

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

From the analytical report for all the monitoring locations of six rivers, it has been observed that the BOD values for the six identified polluted river stretches were within prescribed standard limit and fit for bathing purpose.

XXIII. Status of Preparation of Action Plan by the 13 Coastal States:

Not applicable for Tripura.

XXIV. Regulation of Mining Activities in the State/UT:

- Only sand mining is being carried out in the State. The Chief Secretary, Tripura is reviewing the matter on a regular basis through State Level Committee meeting every month.
- There has been no illegal sand mining in the state of Tripura.
- Forest Department has taken several initiatives like conducting meeting with local people of those areas to stop illegal sand mining. Joint raid with Police Department has been conducted and regular monitoring is going on.
- The existing provision of Tripura Minerals Concession Rules, 2014, the amendments proposed as “Tripura Minor Minerals Concession (Amendment) Rules, 2018. Further, the approval of mining plan is being decentralized for ease of governances.
- All the interested Project Proponents were requested to submit sand mining plan as pre requisite of Environmental Clearance for sand mining in a legal way.
- As on date 295 numbers of Environmental Clearance has been issued by the State Environment Impact Assessment Authority. The mining activity is allowed for Govt. work and bonafide use only as per guidelines of MOEFCC.
- Extensive river bank plantation has been done in the river banks of all the rivers by the Forest department as a part of restoration.

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

Strict action will be taken against the violators.

Annexure-1

Urgent
Compliance of NGT Order

GOVERNMENT OF TRIPURA
DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT
BIGYAN, PRAJUKTI O PARIVESH BHAWAN
GORKHABASTI, P.N.COMPLEX
AGARTALA, TRIPURA.

No.F.11(94)/DSTE/CC/Pt-III/1583-1607 Dated 17/03/2020

MEMO

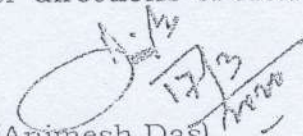
Hon'ble National Green Tribunal, Principal Bench, New Delhi has passed several Orders in O.A.No.673 of 2018 for restoration of the identified polluted river stretches.

Hon'ble National Green Tribunal has also constituted "Central Monitoring Committee" under the Chairmanship of Secretary, Department of Water Resources, RD&GR, Ministry of Jal Shakti, Govt. of India for monitoring/looking after the issue.

The 2nd meeting of Central Monitoring Committee in the NGT Matter OA No.673 of 2018 was held on 19.02.2020 at 10.30 AM at Conference Hall, Ministry of Jal Shakti, Govt. of India.

A copy of minutes of the said meeting received from the National Mission for Clean Ganga, Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Govt. of India vide Office Memorandum No.Legal/OA673/2018/NMCG/2019 dated 27.02.2020 is enclosed herewith for your kind information & necessary action for compliance. A copy of the e-mail received from the National Mission for Clean Ganga (NMCG) along with report of Monitoring Committee regarding in situ bioremediation/ phyto remediation of sewage in drains is also enclosed herewith for your information and necessary action.

In this context, all concerned are requested to send action taken report to the Member Secretary, Tripura State Pollution Control Board on regular basis for preparation and submission of Monthly Progress Report to CPCB & Ministry of Jal Shakti, Govt. of India as per directions of Hon'ble NGT.

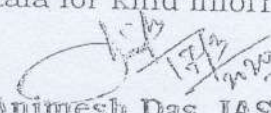

(Animesh Das)
Director, DSTE
Govt. of Tripura
(Chairman, RRC)

Encl : as stated

- To
1. The Director, Urban Development Department, Agartala.
 2. The Municipal Commissioner, AMC, Agartala.
 3. The Chief Executive Officer,
Ambassa/Belonia/Dharmanagar/Bishalgarh/Kalilasahar/Khowai/
Kumarghat/Melaghar/Mohanpur/Ranirbazar/Santirbazar/Teliamura/
Udaipur Municipal Council, Tripura.
 4. The Executive Officer,
Panisagar/Kamalpur/Jirania/Sonamura/Amarpur/Sabroom Nagar
Panchayat, Tripura.

Copy for kind information to:

1. The PPS to the Chief Secretary, Govt. of Tripura for kind information.
2. The P.S to the Secretary, UDD, Govt. of Tripura for kind information.
3. The P.S to the Secretary, STE, Govt. of Tripura for kind information.
4. The Member Secretary, TSPCB [MS, RRC], Agartala for kind information.


(Animesh Das, IAS)
Director, DSTE
(Chairman, RRC)

**GOVERNMENT OF TRIPURA
OFFICE OF THE CHIEF ENGINEER
URBAN DEVELOPMENT DEPARTMENT
4TH FLOOR OF U.D BHAWAN, SHAKUNTALA ROAD
AGARTALA: TRIPURA (W)**

NO.F.4 (2)/UDD/CE/2019/6882-69/6 Dated, Agartala, the 09-11-2020

Work Order

To
HRD Commercial & Industrial Security force Pvt. Ltd
S.T Road, Badarpur,
Dist. Karimganj (Assam)
Email:- cisf.pvtsecforce@gmail.com
Ph- 0381-2380265/09706771109

Name of work :- :-Engagement of Survey Consultants to Prepare Baseline Information for Pollution Abatement of Storm Drains through In-Situ Bio-Remediation in 20 ULBs in Tripura.

RFP No:- 01/EE-II/ EW/UDD/ 2020-21

Tender I.D :- 2020_SEU_12056_1

Sir,

Your tender for the above mentioned work has been accepted on behalf of "Governor of Tripura" for an amount of Rs. 5,24,790.00 (Rupees Five lakh twenty four thousand seven hundred ninety) only which is 18.758% below the estimated cost of Rs. 6,45,960.00 put to tender.

You are requested to start the work immediately in consultation with Er. Sukumar Debbarma, Assistant Engineer, Urban Development Department, U.D Bhawan, sakuntala Road, Agartala so as to complete the work within the stipulated period.

You are also requested to attend this office within 7(seven) days from the date of issue of this work order to complete the formal agreement.

Please note that time for completion of the work is 60 (Sixty) days which shall be reckoned from the 15th day after the date of issuance of this work order to commence the work

Yours faithfully

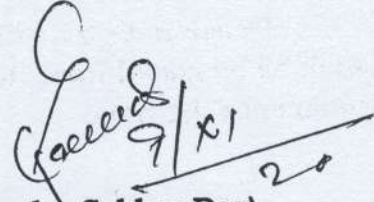
(Er.Chandra Sekhar Das)
Executive Engineer, Unit-II
Urban Development Department
U.D Bhawan, Sakuntala Road,
Agartala, Tripura(W)

EE
A.
19/11

EE-II
20/11/20

Copy to:

1. Accountant General(Audit) Tripura,Agartala, for kind information
2. The Director, Urban Development Department, Agartala for kind information.
- ✓ 3. The Chief Engineer,Urban Development Department, Agartala for favour of his kind information.
- 4.The Municipal Commissioner, Agartala Municipal Corporation for favour of his kind information.
5. The Superintending Engineer, Urban Development Department, Agartala for favour of his kind information.
6. The Superintending Engineer, Agartala Municipal Corporation, Agartala for favour of his kind information. He is requested to assign the work to a concern Junior Engineer for execution in consultation with Er. Sukumar Debbarma, Assistant Engineer, Urban Development Department, U.D Bhawan,sakuntala Road, Agartala .
- 7-25. The Chief Executive Officer/ Executive Officer,Jirania, Mohanpur,Ranirbazar,Dharmanagar,Panisagar,Belonia,Santirbazar,Sabroom,Amba ssa,Kamalpur,Bishalgarh,Melagarh,Sonamura,Amarpur,Udaipur,Teliamura,Khowai ,Kailashahar,Kumarghat for favour of his kind information.He is requested to assign the work to a concern Junior Engineer for execution in consultation with Er. Sukumar Debbarma, Assistant Engineer, Urban Development Department, U.D Bhawan,sakuntala Road, Agartala .
26. The Assistant Commissioner of Taxes, P.N.Complex, Agartala for information.
- 27.The Assistant Commissioner, Central Excise & Service Tax, Agartala Division, Kiron Medical hall building, Old R.M.S Chowmuhani, Agartala, Tripura for information.
- 28.The Labour Commissioner, Agartala ,Tripura for information.
- 29.The Income Tax Officer, Netaji Chowmuhani, Agartala ,Tripura for information.
- 30.The Treasury Officer, Treasury-I, Agartala for information.
- 31.Er. Sukumar Debbarma, Assistant Engineer, Urban Development Department for information & necessary action. He is requested to maintain hindrance register and site order book.
- 32.Work order file.
- 33.Office Copy.


(Er.Chandra Sekhar Das)
Executive Engineer, Unit-II
Urban Development Department
U.D Bhawan,Sakuntala Road,
Agartala,Tripura(W)

Sl.	City / Town / ULB	Population Considered (No.)	Demand for Sewage/Septage Management			Present Capacity			Gap			Proposed Interventions			Drains for In-Situ Bio-Remediation
			Sewage Generation (MLD)	Sewer Network (KM)	Septage Generation (KLD)	Polluted Drains (No.)	STP (MLD)	Sewer Network (KM)	FSTP (KLD)	Polluted Drains Remedied	STP (MLD)	Sewer Network (KM)	FSTP (KLD)	Polluted Drains Remedied	
1	Agartala Municipal Corporation	5,22,613	15	154.5	357.66	17			45	0			1000	17	17
2	Jirama NP	11,938	N/A	N/A	25.05	0				0			(to be treated at the additional 1 MLD capacity of the STP)	0	0
3	Mohanpur MC	18,549	N/A	N/A	38.93	1	8	104.5		0	7	50.0	50.0	1	1
4	Ranibazar MC	25,820	N/A	N/A	33.2	7				0				7	7
5	Bishalgardi MC	23,532	N/A	N/A	49.38	15				0					15
6	Dharmanagar MC	45,887	N/A	N/A	96.31	17	0	0		0	N/A	N/A	100	17	17
7	Panisagar NP	11,938	N/A	N/A	25.05	5	0	0		0	N/A	N/A	50	5	5
8	Belonia MC	21,176	N/A	N/A	44.44	13	0	0		0	N/A	N/A	50	13	13
9	Santirbazar MC	15,647	N/A	N/A	32.84	4	0	0		0	N/A	N/A	50	4	4
10	Sabroom NP	7,174	N/A	N/A	15.06	31	0	0		0	N/A	N/A	50	31	31
11	Ambassa MC	16,907	N/A	N/A	35.48	7	0	0		0	N/A	N/A	50	7	7
12	Kamalpur NP	11,268	N/A	N/A	23.65	0	0	0		0	N/A	N/A	50	0	0
13	Melaghar MC	19,944	N/A	N/A	41.86	2	0	0		0	N/A	N/A	50	2	2
14	Sonamura NP	12,592	N/A	N/A	26.43	2	0	0		0	N/A	N/A	50	2	2
15	Anarpur NP	11,887	N/A	N/A	24.95	21	0	0		0	N/A	N/A	50	21	21
16	Udaipur MC	38,023	N/A	N/A	79.80	29	0	0		0	N/A	N/A	100	29	29
17	Teliamura MC	23,038	N/A	N/A	48.35	3	0	0		0	N/A	N/A	50	3	3
18	Khowai MC	21,387	N/A	N/A	44.89	13	0	0		0	N/A	N/A	50	13	13
19	Kailashahar MC	23,418	N/A	N/A	49.15	17	0	0		0	N/A	N/A	50	17	17
20	Kumarghat MC	15,189	N/A	N/A	31.88	6	0	0		0	N/A	N/A	50	6	6
Total		8,87,927	15	154.5	1124.35	210	8	104.5	45	0	7	50	1079.35	210	210

Notes:

- Proposed interventions include - 1 no. of 8 MLD capacity STP at Agartala, 50 KM sewer network for Agartala and nearby cities, 15 no. of FSTPs and 210 drains for bio-remediation.
- Previous estimate of sewage management demand for Tripura was 82.4 MLD and gap was 74.4 MLD. However, this demand was estimated as per CPHEO standards, based on pollution of cities and only applicable when the management process is to be done through sewer networks and STPs. Presently Tripura has shifted its strategy from sewage treatment to partial sewage treatment combined with faecal sludge treatment and drains bio-remediation. Therefore the demand has been revised accordingly.
- The demand of 82.4 MLD sewage treatment is therefore equivalent to 1864 KLD faecal sludge treatment. Similarly, Agartala's demand for sewage treatment of 46 MLD is broken down to 15 MLD Sewage treatment + 357.66 KLD faecal sludge treatment or the 17 Nala bio-remediation. Alternatively, the faecal sludge being of less quantity, it can be treated at the two STPs (existing and upcoming) since their capacities are in MLDs.
- It is proposed that, since the first five cities are close by, there will be an integrated system of sewerage and septage management to cater to these cities. Hence their data are combined. For the first five cities, 100% liquid waste management is to be ensured through a combination of technologies - STP, FSTP and In-Situ Bio-Remediation of Drains.
- In the proposed interventions, there will be 16 MLD capacity STP which will treat 15 MLD sewage carried through sewer network. The additional 1 MLD capacity will be utilised to treat the 504.22 KLD faecal sludge that would be generated from all five cities. The total faecal sludge treatment capacity will therefore become 1850 KLD including the 1000 KLD capacity at the STP.
- For remaining 15 cities, demand for faecal sludge treatment is about 620.13 KLD and this is being adequately met with the 15 FSTPs with 850 KLD capacity in total.
- In-situ bio-remediation of drains will reduce the demand for sewerage management. But the quantum cannot be estimated presently as it is a new technology. Subsequently, Additional infrastructure such as STP and FSTP are likely to be needed based on the balance demand after all current projects are implemented.
- The data on drains data are provided as received from ULBs, detailed survey will be undertaken later. The number of drains are likely to be reduced as most cities will already have FSTPs.

AGARTALA SMART CITY LIMITED

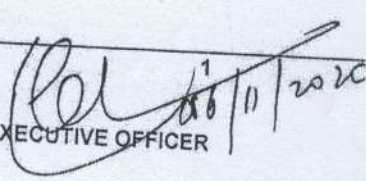
AGARTALA

NOTICE INVITING e-TENDER

The Chief Executive Officer, on behalf of Agartala Smart City Limited, Agartala, West Tripura invites two bid e-tender on Design, Built and Operate (DBO) basis and adapting Quality and Cost based Selection (QCBS) method, from the approved and eligible Contractors / Firms / Agencies registered with Tripura PWD / TTAADC of Tripura / MES /CPWD/ Railway /P&T/Other State PWD/Union Territory (UT)/ Central & State Sector undertaking or documents towards certificate of incorporation as per Companies Act from the registered firm/ company and/ or certificate of incorporation as autonomous organization registered under societies registration act 1860 experienced in treatment of waste water through In-Situ nallah treatment by proven technology for the work detailed as below:

Sl. No.	Name of Work	Earnest Money	Time for Completion	Deadline for online bidding	Place, Time and date of opening of online bid	Website for online bidding	Class of Bidder
1.	Waste Water Treatment through In-Situ Nallah Treatment by Proven Technology on Design, Built and Operate (DBO) basis and Post Completion Operation & Maintenance for 05 (Five) Years Including Defects Liability Period of 01 (One) Year. Nle-T No. ASCL / RFP / HRFD / 03-2020	Rs. 2,00,00,000.00	04 (Four) months for completion of Construction Works followed by Operation and Maintenance for 05 (Five) years	Up to 15.00 Hrs on 07-12-2020	O/o the Chief Executive Officer, Agartala Smart City Limited, 1 st Floor, U. D. Bhavan, Shakuntala Road, Agartala-799 01 at 16.30 Hrs on 07-12-2020	https://tripuratenders.gov.in	Appropriate Class / category as per Nle-T

2. Bid documents consisting of qualification information and eligibility criteria of bidders, plans, specifications, drawings, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of the contract to be complied with by the bidder, can be seen in the website <https://tripuratenders.gov.in> at free of cost between 07-11-2020 to 07-12-2020.


 CHIEF EXECUTIVE OFFICER

3. Eligible bidders shall participate in bidding only in online through website <https://tripuratenders.gov.in> . Bidders are allowed to bid 24x7 until the time of Bid closing, with option for Re-Submission, wherein only their latest submitted Bid would be considered for evaluation. The e-Procurement website will not allow any Bidder to attempt bidding, after the scheduled date and time. **Submission of bids physically is not permitted.**
4. **Bid Fee and Earnest Money Deposit shall be deposited online** while bidding.
5. The Bid Fee shall be **Rs. 2500.00 (Rupees two thousand five hundred only)** and is Non-Refundable.
6. The bidders exempted from depositing earnest money & bid fee in individual case by any order of State / Central Government, PSU etc. shall also have to deposit the stipulated amount of earnest money & bid fee along with the bid in the form as specified in the bid document. No claim/ plea of the bidders in this respect will be entertained.
7. Downloaded tender document is to be uploaded back and digitally signed as part of bid and as proof of acceptance of all terms, conditions etc. in the tender document.
8. A prospective bidder requiring any clarification on bid document may contact the Bid Inviting Officer or send the queries by post at the address indicated in the NIT or write an e-mail at id: ceoasclagartala@gmail.com seeking clarifications between **07-11-2020 to 17-11-2020**.

Authority shall not be responsible for ensuring that the bidder's queries have been received by them. Any requests for clarifications post the indicated date and time shall not be entertained by the Authority.

Authority will organise a pre-bid conference and will respond to any request for clarification or modification of the bidding documents. Authority shall formally respond to the pre-bid queries after the pre-bid conference. No further clarifications shall be entertained after the date and time of submission of queries.

A Pre-Bid Conference shall be held by the Chief Executive Officer, **Agartala Smart City Limited, Agartala, 1st Floor, U. D. Bhavan, Shakuntala Road, Agartala – 799 001, West Tripura** on **19th November 2020 at 15.30 Hrs** for clarification of any doubts of the prospective Bidders on any condition of the contract, specification etc. The Pre-bid meeting can be held through video conference, depending on the situation.

The Authority does not undertake to answer all the queries that have been posted by the bidders. The Authority makes no representation or warranty as to the completeness or accuracy of any response made in good faith.

Any modifications of the RFP documents, which may become necessary as a result of the pre-bid conference, shall be made by Authority exclusively through a corrigendum. Any such corrigendum shall be deemed to be incorporated into this RFP.

9. Bid shall be uploaded in **two-bid system** - (i) **Technical bid** and (ii) **Financial bid**, with all other required details.

Technical Bid will be opened first and evaluated for determining responsiveness of the bidders as per Tender conditions. Financial Bid of Technically responsive bidders will only be opened and evaluated for determining the Lowest (L1) Bidder. Quality and Cost based Selection (QCBS) method shall be used for evaluation of the bids.

10. Bidder shall participate in bid online through website <https://tripuratenders.gov.in> for which they shall register/enrol themselves in the same website. **Submission of bids physically is not permitted.**

To participate in bid, the bidder shall have a valid **Class 2 / Class 3 Digital Signature Certificate (DSC)**, obtained from the certifying authorities enlisted by Controller of Certifying Authorities (CCA) at <http://cca.gov.in>.

11. Bids will be opened online through website <https://tripuratenders.gov.in> at **16.30 Hrs** on **07-12-2020**. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
12. Bids of intending bidders who are near relatives of Divisional Accountant or Chief Executive Officer or Superintending Engineer or Executive Engineer or Assistant Engineer or Junior Engineer of the Circle in which the work is to be executed, will be rejected.
Note: A near relative includes wife, husband, parents, in-laws, children, brothers, sisters, uncles, aunts and cousins.
13. No Engineer of Gazetted rank or other official employed in the Engineering or Administrative duties in an Engineering Department of the State Government is allowed to work as a bidder for a period of two years after his retirement from government services, without Government permission. This contract is liable to be cancelled if either the bidder or any of his employees is found any time to be such a person who has not obtained the permission of the Government as stated above before submission of the bid or engagement in the bidder's service.
14. If the rate quoted in the pre-defined BOQ by a bidder is found to be either abnormally high or due to unethical practices adopted at the time of bidding process, such bids shall be rejected.
15. Each Bidder shall submit only one bid for the work. A bidder who submits more than one bid will cause disqualification of all the bids submitted by the bidder.
16. The bidder, at bidder's own responsibility and risk, is advised to visit and examine the Site of Work and its surroundings and obtain all information that may be necessary for preparing the bid for entering into a contract, for construction of the work. The costs of visiting the site shall be at the Bidder's own expense.

17. The bid for the work shall remain valid for acceptance for a period **180 (one hundred eighty) days** from the last date of submission of the bid.
18. If the bidder withdraws his bid within the validity period then the Government shall, without prejudice to any other right or remedy be at liberty to forfeit the earnest money @50%.
19. In case the bidder fails to commence the work specified in the bidding documents on 15th day or such time period as mentioned in letter of award after the date on which the Engineer-In-Charge issues written orders to commence the work, or from the date of handing over of the site, whichever is later, the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit whole of the earnest money absolutely.

20. Rate Quotation

- a. Bidder shall **fill in rates and prices for all items of the works described** in the Bill of Quantity (BOQ) which is in **MS-Excel (macro enabled)** and should be downloaded from the e-procurement application <https://tripuratenders.gov.in> and the same BOQ should be filled up properly and uploaded as a part of bid with digital signing.
- b. Name of bidder must be written in the appropriate field of Bill of Quantity (BOQ) by bidder.

21. Refund of Earnest Money Deposit

The Bidders' Earnest Money Deposit (EMD) amount shall be refunded to all the bidders including the L1 bidder, after the "Award of Contract (AoC)". Prior to "AoC" the L1 bidder will be intimated in writing to deposit the "Performance Bank Guarantee" within 15 (fifteen) days from the date of issuance of the "Letter of Intent (LOI)".

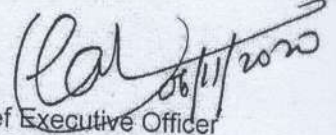
The "Performance Bank Guarantee" shall be 5% (Five percent) of the awarded value of the contract.

22. The security deposit will be collected by deductions from the running bills of the Bidders at the rate mentioned below. The "Performance Bank Guarantee" submitted at the time of "AoC" will be treated as part of security deposit.

A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the Bidder till the sum along with the "Performance Bank Guarantee" equals to amount of 10% of the bided value of the work subject to following limit.

- a. Bided value up to Rs.100.00 lakh Security Deposit @ 10% subject to maximum of Rs. 8.00 lakh.
- b. Bided value above Rs. 100.00 lakh up to Rs.200.00 lakh Security Deposit @10% subject to maximum of Rs. 18.00 lakh.

- c. Bided value above Rs. 200.00 lakh Security Deposit @10% subject to maximum of Rs. 25.00 lakh.
23. The bidders exempted from depositing security deposit in individual case by any order of State / Central Government, PSU etc. shall have to deposit the stipulated amount of security deposit in the manner as specified in the bid document. No claim/ plea of the bidders in this respect will be entertained.
24. The rates quoted by the Bidder shall be deemed to be inclusive of all applicable taxes like GST (State & Central) etc, the sales and other levies, duties, royalties, cess, toll taxes of Central and State Governments, local bodies and authorities that the Bidder will have to pay for the performance of this contract. The employer will perform such duties about the deduction of such taxes at source as per applicable law.
25. Other details can be seen in the bid document.


Chief Executive Officer
Agartala Smart City Limited
Agartala, West Tripura

Annexure-4A

GOVERNMENT OF TRIPURA
DIRECTORATE OF URBAN DEVELOPMENT
U.D Bhawan, Sakuntala Road
Ph:0381-232-9301, email: directorurbantripura@gmail.com.

No.F.1(44)-UDD/DUD/2018(P-I) 10502-3

Dated: Agartala The 30th Nov, 2021

To
The Director
National River Conservation Directorate
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
Government of India
Pandit Deendayal Antyodaya Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

Sub: Fund proposal from Tripura for setting up of FSTP Plants in Amarpur Nagar Panchayat, Bishalgarh Municipal Council & Teliamura Municipal Council.

Sir,

A meeting was held on 23.08.2021 at 3:00 PM at Conference Hall No.-1, New Secretariat Building, Agartala in the presence of Shri, BB Barman, Advisor, Ministry of Jal Shakti, Government of India to review the action taken by State for compliance of direction of Hon'ble NGT in OA No. 673/2018. Accordingly a record note has been received vide No.F.19(7)/TSPCB/NGT/2018/6926-33 dated 27-08-2021.

The meeting was regarding the six identified rivers in Agartala, Bishalgarh, Kailasahar, Dharmanagar, Teliamura and Amarpur where BOD level was increased on a few occasions. Thus to ensure restoration of six identified rivers and not to deteriorate further it was advised to take up projects for funding by NRCP by the visiting advisor.

Further, as per the attached meeting minutes Shri BB Barman requested the Directorate to prepare project proposal for setting up of adequate numbers of Feacal Sludge Treatment Plants (FSTPs) of adequate capacity focusing on the ULBs/Towns located in the catchments of the six identified rivers.

Accordingly, 3 (three) proposals for Amarpur Nagar Panchayat (**Rs.11.92 crore**), Bishalgarh Municipal Council (**Rs.15.4 crore**), & Teliamura Municipal Council (**Rs.18. crore**), (**copy enclosed**) have been prepared for consideration and release of funds from your kind end.

Yours faithfully,

(Dr. Tamal Majumdar, TCS)
Addl. Secretary & Director
Urban Development Department,

Copy to:

1. PS to Secretary, UD Department for kind information of Secretary, UDD.

Minutes of 17th meeting of State Level Committee held under the Chief Secretary, Tripura on 27/05/2022 at 10:30 am in Video Conference Room of the Civil Secretariat to review the progress of implementation on the Directions dated 16/01/2019, 07/05/2019, 28.02.2020, 02.07.2020 & 14.12.2020 of Hon'ble National Green Tribunal in OA No.606/2018 in the matter of Compliance of Solid Waste Management Rules, 2016 and other environment related issues of State.

The 17th meeting of the State Level Committee was held under the Chairmanship of the Chief Secretary, Tripura on 27/05/2022 at 10.30 am in the Video Conference Room of the Civil Secretariat to review the progress of implementation on the Directions dated 16/01/2019, 07/05/2019 & 28.02.2020, 02.07.2020 & 14.12.2020 of Hon'ble National Green Tribunal in O.A. No.606/2018 in the matter of Compliance of Solid Waste Management Rules, 2016 and other environment related issues of State.

The list of officers attended the VC meeting as mentioned at **Annexure-I**. The District Magistrate and Collectors of 8 (eight) Districts, DFOs of all 8 (Eight) Districts, Sub-Divisional Magistrates, BDOs of all RD Blocks and Commissioners/CEOs/EOs of all Urban Local Bodies participated in the meeting through Video Conferencing.

The discussions were held on progress made on each issue in the meeting. The decisions taken in respect of each of the issues are as follows:

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
Issue : Solid Waste Management & Legacy Waste Management				
Ref : NGT Orders dated 28.02.2020, 02.07.2020, 14.12.2020 and 30.11.2021 in O.A. No : 606/2018				
1.	UDD/ULBs	Setting up of Tertiary waste Treatment Plant may be completed within May, 2022. The remaining 3 ULBs at Kumarghat, Panisagar, and Teliamura may take necessary initiatives to set up Tertiary waste Treatment Plants within the stipulated timeline.	- Bishalgarh is using the existing plant of AMC at D.C Nagar & Kamalpur is using their own existing waste treatment plant. - Construction work of Tertiary waste Treatment Plant is completed in 1 ULBs (Sabroom) and for 5 ULBs (Dharmanagar, Udaipur, Ranirbazar, Sonamura & Ambassa) construction work is 80 – 90% completed and 9 ULBS (khowai, Melaghar, Kailasahar, Santirbazar, Teliamura, Belonia, Kumarghat, Mohanpur & Amarpur) are at various level of construction, out of targeted 17 nos. - Construction works of Jirania is halted due to public protest and for Panisagar land levelling is under progress by RD Department. Tertiary waste Treatment Plant of Ranirbazar will cover the Jirania MC.	- The Tertiary waste treatment plant of Jirania will not be set up and its waste will be treated in the treatment facility of Ranirbazar. Setting up of Tertiary waste Treatment Plant for 16 ULBs may be completed within August, 2022. - All the secondary centres shall be made operational within August, 2022

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
			Out of 94 nos. secondary centres, 75 nos. are completed till date and 12 nos. For Agartala land identification is going on.	
2.	UDD	UDD may prepare strategy for comprehensive Solid Waste Management involving experienced experts/consultants	- Expert services of Mr. C Srinivasan and Mr. Arunabha Majumder are utilized for the preparation of identified 15 nos. Legacy Dumpsite remediation Action Plan. - Action Plan for remediation of Legacy Waste of 13 ULBs (Santirbazar, Belonia, Sabroom, Dharmanagr, Panisagar, Kailasahar, Kumarghat, Udaipur, Amarpur, Khowai, Melaghar, Sonamura & Ambassa) have been prepared by ULBs. Which is subsequently approved by SLTC and Ministry of Housing & Urban Affairs, Govt. of India. Accordingly, Ministry has placed a fund of 4.73 crore as 1st instalment. ULBs are instructed to float E-Tender for early commencement of remediation work. - Further, ULBs are preparing Solid Waste Management Action Plan as per SBM-U 2.0 guidelines. Already 13 ULBs have submitted their Action Plan to state the remaining are scrutinising the same. All action plans will be finalised by this month. - A strategy for 100% Solid & liquid Waste	- UDD may take initiatives for remediation of 15 nos. Legacy Waste Dumpsite. - Live fencing may be erected surrounding the reclaimed/ remediated Hapania dumpsite. - AMC may explore the feasibility to utilise the reclaimed/ remediated Hapania dumpsite as Park/Garden.

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
			Management is already prepared for all 20 ULBs which is approved by SLTC and Cabinet of Ministers and notified vide No.F.16(15)UDD/DUD /2018(P)/1931-65 dated 14-05-2020, which is being implemented.	
3.	AMC	AMC may expedite the process for selection of agency for operation and maintenance of Solid Waste Processing Plant at DC Nagar	AMC has already selected an Agency and work order is also issued and work started.	AMC may take necessary initiatives to make the Solid Waste Processing Plant at DC Nagar operational.
4.	All ULBs	All ULBs must ensure Door to Door waste collection with source segregation in all wards. Bins/ biodegradable garbage bags may be provided to households for source segregation.	- Door to Door waste collection & Source Segregation of waste is being practised in all 334 Wards. - All 20 ULBs have set up model wards where ULBs are providing 2 nos. coloured bins (Dry/Wet) waste. SHGs are insisting household and demonstrating them on how to store segregated waste.	- All the ULBs shall practice the door to door waste collection with source segregation in all wards involving SHGs. - Awareness programme may be conducted to sensitise the individual households about the importance of source segregation to ensure 100% household waste collection with source segregation for effective solid waste management. - The Bio degradable and non-biodegradable wastes may be collected in different frequencies to avoid mixing during transportation.
5.	All ULBs	All ULBs may prepare comprehensive plan for storage, collection, transportation & disposal of construction & demolition waste following the C & D Waste Management Policy of the State.	- The State has already notified the C & D Waste Management Policy 2019. - For disposal of C&D waste, ULB are filling the low lands and also using it in road construction, which is permitted in C & D Waste Management Rules 2016.	Teliamura MC, Dharmanaga MC, Ambassa MC, Kumarghat MC, Panisagar NP, Udaipur MC and Mohanpur MC are producing paver blocks using the C&D waste materials by involving women SHG. Likewise, the other remaining ULBs may take initiatives to make paver blocks using the C&D waste materials by involving women SHG and

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
				also to marketing the products.
6.	AMC	• AMC may explore the feasibility of dumping the C & D wastes in Nishchintapur ICP area for land development.	• The proposal for establishment of C&D waste Management Plant at Budhjunnagar, Agartala is already sent to Ministry, awaiting for approval and placement of fund.	• AMC may take initiatives for dumping of the C & D wastes in Nishchintapur ICP area and Budhjunnagar for land development.
7.	UDD/ULBs	• UDD may prepare a status report highlighting the ULB wise generation, treatment and gap of MSW as per Solid Waste Management Rules, 2016.	As per consolidated report of 20 ULBs • Total Municipal Solid Waste (MSW) generated in 20 ULBs is 333.00 TPD. • Processed MSW is 206 TPD. • MSW land filled 12.89 TPD. • Gap is 114.11 TPD. Construction of 17 nos. Tertiary Waste Treatment Plant and 94 nos. Secondary Centres are taken up to mitigate the gap. The plastic wastes generated in ULBs are being sold to recyclers.	UDD may take necessary initiatives to mitigate the gap in disposal of solid waste management.
8.	UDD/DSTE/ ULBs/TSPCB	• The quarterly status report in the prescribed format on municipal solid waste management may be sent to CPCB on regular basis.	• Based on information received from UDD, the quarterly status report for the period of January, 2022 to March, 2022 has been prepared and submitted for approval for onward submission to CPCB.	As per direction of Hon'ble NGT, the personal appearance of Chief Secretary, Tripura is scheduled on 15.09.2022 through VC. The quarterly status report in the prescribed format on municipal solid waste management may be sent to CPCB on regular basis

Issue : Sewage Management

Ref :NGT Orders dated 21.05.2020 in OA No. 593/2017

9.	UDD/AMC	• The UDD may take proper initiative for setting up of STPs, FSTPs and Bio remediation of drains in all ULBs for 100% liquid waste management.	• All ULB already provided cesspool emptier vehicle. • Sewerage line about 106.5 Km including 14 km rising line are in operation which has been maintained by Agartala Municipal Corporation connecting 3788 nos. household and with a fund involvement of Rs. 102.21 Crore.	• AMC may conduct survey in all the major drains of Agartala taking into account of each houses contributing into these drains and work out a methodology for treatment process so that no waste water get directly discharged in to Haora river. The similar type of
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Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
			- For taking up the remaining sewer connection of 1590 households covering 34.16 km a DPR has been prepared by Engineering Wing of UDD which amounts to 46.12 crores. Proposal to fund the same has been sent to MoHUA. - Another STP of 8 MLD capacity is under construction at Akhaura ICP, work is going on. - As per decision NIT Agartla shall conduct feasibility survey of ground water level for construction of additional STP for Central Zone of AMC and NIT Agartala is taken up the issue. 5 (five) nos. of Drains flowing to river Haorah are taken up in pilot mode under Agartala Smart City through in-situ nallah treatment. - An Agency (Bint Biotech Pvt. Ltd.) is selected for the same, LOA will be issued shortly.	work may be carried out for Katakhal, Kalapania khal.
10.	UDD/AMC	UDD may take necessary initiatives for full utilization of existing capacity of existing 8 MLD STP at Bhubanban.	For taking up the remaining sewer connection of 1590 households covering 34.16 km a DPR has been prepared by Engineering Wing of UDD which amounts to 46.12 crores. Proposal to fund the same has been sent to MoHUA.	AMC may collect and transport the sewage from different parts of Agartala through cesspool into the existing 8 MLD STP at Bhubanban for its full utilization.
11.	ASCL	Agartala Smart City Ltd. may expedite the execution work of 8 MLD STP at Akahura ICP.	STP of 8 MLD capacity is under construction at Akhaura ICP.	ASCL informed that the piling works are going on. ASCL may expedite the execution work of 8 MLD STP at Akahura ICP.
Issue : Plastic Waste Management Ref : NGT order dated 06.12.2019 in OA No.247/2017				
12.	TSPCB/I & C department/ CIPET	TSPCB may convene a meeting with PWD (R & B) and all registered plastic waste recyclers to explore the feasibility to make	TSPCB conducted a meeting on 07.01.2022 with PWD (R&B). Recycling units and CIPET for the	TSPCB may prepare a concept note for making bio plastics from tapioca, corn etc. and submit to the I & C department for

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
		plastic paver blocks and road carpeting using plastic wastes.	promotion of using Plastic Waste in road making and Paver block manufacturing. The List of the Plastic Waste recycling units were shared with PWD (R & B).	further course of action. • Two firms have proposed to set up unit for manufacturing bio compostable carry bags as alternative of SUP. Consent to Establish Certificate have been issued by the TSPCB. TSPCB shall meet 50% standardisation testing cost of bio compostable carry bags from Pollution Cost/Environmental Compensation fund to facilitate the said units. CIPET shall complete the testing of samples at the earliest. • TSPCB may take initiatives to implement the guidelines on Extended Producer Responsibility for Plastic Packaging vide No. G.S.R. 133(E) dated 06.02.2022 by the Ministry of Environment, Forests & Climate Change, Govt. of India.
13.	PWD (R & B)	• PWD may take necessary initiatives to frame a policy to use the plastic wastes in road carpeting.	• The PWD (R& B) has informed that a draft policy of using plastic wastes with bitumen in road making is under preparation.	• PWD (R & B) department may notify the policy to use the plastic wastes in road carpeting and take necessary initiatives for its implementation.
14.	I & C department	• I & C department may provide incentives to the entrepreneurs to set up plastic wastes recycling units.	I & C department has taken initiatives and it is in the final stage.	• I & C department may organise workshop to sensitise the interested entrepreneurs for making alternatives of SUP items.
15.	DMs	• DM & Collectors will take enforcement drive to ban plastic carry bags under their jurisdiction.	• Enforcement drive on ban plastic carry bags are going on.	• DM & Collectors may conduct regular enforcement drive to ban plastic carry bags under their jurisdiction.

Issue : Restoration of Polluted River Stretches

Ref : NGT Orders dated 28.02.2020 in O.A. No : 606/2018 and orders dated 29.11.2019 & 21.09.2020 in OA No.673/2018

16.	RRC	• RRC may monitor the implementation of the Action Plan for restoration of the identified river stretches.	• The RRC meetings are being convened at regular frequency to monitor the execution of Action Plan. Last meeting was held on 29.04.2022.	• RRC may monitor the implementation of the Action Plan for restoration of the identified river stretches.
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Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
17.	UDD and ULBs/ Forest/ Agriculture/ PWD (WR)/ I & C	• All concerned shall implement the Action Plan and submit the monthly progress report to TSPCB	• ATR are being received from UDD and Forest Department and DM, Sepahijala on regular basis.	• All concerned ULBs and line departments may submit the Action Taken Report showing incremental progress in implementation of the Action Plan.
18.	UDD/ULBs/ ASCL	• All ULBs may take necessary initiatives for <i>in-situ</i> bio remediation of the identified drains located at the six polluted river stretches.	An Agency (Bint Biotech Pvt. Ltd.) is selected for <i>in-situ</i> bio remediation of 5 drains flowing to river Haorah under ASCL. LOA will be issued shortly.	• All concerned ULBs may take necessary initiatives for <i>in-situ</i> bio remediation of the identified drains located at the six polluted river stretches.. • ASCL may expedite <i>in-situ</i> bio remediation works of 5 drains flowing to river Haorah.
19.	RRC	• The Monthly progress Report may be sent to NMCG with copy to CPCB on regular basis.	Monthly progress report is being sent to NMCG with a copy to CPCB on regular basis.	• Monthly progress report may be sent to NMCG with a copy to CPCB on regular basis.

Issue : Bio Medical Waste Management and Scientific Disposal of Bio-Medical Waste arising out of COVID-19 Treatment/ Handling/ Diagnosis'
Ref : NGT Orders dated 22.01.2020 in O.A. No.710-713 of 2017 and NGT Orders dated 21.04.2020 & 18.01.2021 in O.A. No.72/2020. (Application Disposed of on 18.01.2021)

20.	H & FW Department	• Initiatives may be taken to complete the tendering process for setting up of ETPs in 7 State Government hospitals at the earliest.	AOC has been issued for setting up of ETPs in 7 State Government hospitals.	• Work Order has been issued for setting up of ETPs in 7 State Government hospitals. Initiatives may be taken to complete the works within August, 2022.
21.	H & FW Department/ TSPCB	• Initiatives may be taken to use some plant species which clean/absorb wastewater in drains/stagnant wastewater located in the AGMC & GBP Hospital.	An expert agency has visited the site. The expert report in this regard is awaited.	TSPCB may take initiatives for cleaning of wastewater in drains located in AGMC by engaging some expert agency in consultation with H & FW Department.
22.	H & FW Department	• Initiatives may be taken to complete the commissioning of CBWTF at Agartala within March, 2022.	Installation of Plant and machineries including civil work have been completed. Commissioning could be done only after Electricity connection.	TSECL may take initiative to provide the electricity connection to the CBWTF on urgent basis without any delay.
23.	H & FW Department	• District wise Training and workshops for healthcare workers on Bio-Medical Waste Management as well COVID-19 issues may be organised on regular basis.	District wise Training and workshops for healthcare workers on Bio-Medical Waste Management as well COVID-19 issues are being conducted on regular basis.	District wise Training and workshops for healthcare workers on Bio-Medical Waste Management as well COVID-19 issues may be conducted on regular basis.

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
24.	H & FW Department/ UDD/TSPCB	Real-time generation of COVID-19 wastes may be updated through COVID19 BMW Tracking App.	- The day to day basis bio-medical waste generation data are being displayed in website. - Real-time generation of COVID-19 wastes are being updated through COVID19 BMW Tracking App.	Real-time generation of COVID-19 wastes may be updated through COVID19 BMW Tracking App on regular basis.
25.	H & FW Department	Health & Family Welfare department may take necessary initiatives for installation of incinerator in all the District as well as Sub-Divisional hospitals for proper disposal of COVID related BMWs.	Initiatives have been taken for installation of incinerator in all the District as well as Sub-Divisional hospitals for proper disposal of COVID related BMWs.	Health & Family Welfare department may expedite the installation process of incinerator in all the District as well as Sub-Divisional hospitals for proper disposal of BMW including COVID related wastes.
26.	H & FW Department/ TSPCB	Health & Family Welfare Department may submit quarterly compliance report to the TSPCB for onward submission to CPCB.	Quarterly reports are being submitted to CPCB on regular basis.	Health & Family Welfare Department may submit quarterly compliance report to the TSPCB for onward submission to CPCB.

Issue : Hazardous Waste Management

Ref : NGT Order dated 26.08.2019 in OA No. 804 of 2017

(The application is disposed on 29.01.2021)

27.	TSPCB	TSPCB may expedite the works regarding inventorisation work of Hazardous Waste generation in Tripura.	Draft report has been received from the Agency and the same is under scrutiny. Finalization of the inventorisation work of Hazardous Waste generation in Tripura will be completed shortly.	Finalization of the inventorisation work of Hazardous Waste generation in Tripura shall be completed within August, 2022.
28.	TSPCB	Quarterly Report as well as Annual Report on implementation of Hazardous Waste Management Rules may be submitted to CPCB on regular basis.	Quarterly Report as well as Annual Report on implementation of Hazardous Waste Management Rules are being submitted to CPCB on regular basis.	Quarterly Report as well as Annual Report on implementation of Hazardous Waste Management Rules may be submitted to CPCB within stipulated timeline.

Issue : E -Waste Management

Ref : NGT Order dated 02.09.2019 in OA No. 512 of 2018

(Application Disposed of on 15.01.2021)

29.	IT Department	IT Department may introduce Buy Back mechanism of E-Waste generated in government departments/ organisations while purchasing new electronic items. Circular may be issued by IT Department in this regard.	-	IT Department may issue a circular introducing Buy Back mechanism of E-Waste generated in government departments/ organisations while purchasing new electronic items.
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Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
30.	TSPCB/ IT Department	TSPCB will act as the Nodal Agency for the collection & disposal of e-wastes of all the government departments/ organisations. For this purpose, TSPCB will engage an agency by EOI based on the present stock of e-waste of all government offices.	TSPCB already identified one agency namely "M/s Bin Bag Recycling Services Pvt Ltd" through E-tender for collection of E- waste from various Government Organisations / Department / Institutions. The said Agency has been requested to provide the details of infrastructure available in Tripura to execute the work.	TSPCB shall expedite the process of engagement of the Agency for collection of E- waste from various Government Organisations /Department /Institutions.

Issue : Air pollution including noise pollution

Ref : NGT Order dated 20.11.2019 In OA No. 681/2018 and orders dated 10.02.2020 in OA No. 158/2016/EZ and Oder dated 17.11.2020 in OA No. 118 of 2020.

(The application is disposed on 08.04.2021)

31.	Police Department/ Forest Department/ PWD(R& B)/ TSPCB	The Police Department will measure the sound level at different locations especially around silence zone and public places on regular basis and take appropriate legal action against the violators to control the noise pollution of the State.	34 police officers have been imparted training at PTA on use of Noise Monitoring Devices and Noise Pollution Rules. Monitoring are being done by the Police Department.	The Police Department will measure sound level at different locations especially around silence zone and public places on regular basis and take appropriate legal action against the violators to control the noise pollution of the State. A detail action taken report shall be submitted to the TSPCB.
32.	PWD (R& B)	PWD (R& B) may explore the feasibility to install noise barrier in bridges as pilot basis.	-	PWD (R& B) may explore the feasibility to install noise barrier in bridges, flyover as pilot basis.
33.	TSPCB	TSPCB may expedite the installation of real time sound measuring systems.	TSPCB invited tender for installation of Two Real-time sound measuring systems with digital display facility will be installed in the crowded area of the Agartala city for public awareness. Supply Order has been issued and materials were received.	TSPCB shall expedite the installation of real time sound measuring systems at two noise hot spots of Agartala city.
34.	Police Department/ Forest Department/ PWD (R& B)/Transport/ TSPCB	All concerned may submit the ATR on implementation of Action Plan for controlling noise pollution as per Noise Rules to TSPCB on monthly basis.	Action Taken Report on implementation of the Action Plan are being submitted by the Police Department on monthly basis.	ATR on implementation of the Action Plan for controlling noise pollution may be submitted to TSPCB on regular basis.

Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
35.	Police Department/ Forest Department /PWD(R& B) /Transport/ TSPCB	All concerned may submit the ATR on implementation of Action Plan for controlling of Air Pollution to TSPCB on monthly basis.	The Urban Development Department, Khowai MC, Forest Department have submitted Action Taken Report on implementation of the Action Plan for controlling air pollution.	All concerned may take initiatives for effective implementation of the Action Plan for controlling of Air Pollution and also to submit the ATR to TSPCB on monthly basis.
36.	Horticulture Department	Forest Department may take initiative to cover the unpaved roadside by planting grass in urban areas.	Extensive Road side plantation has been done by the Forest Department. Forest Department may take necessary initiatives to cover the unpaved roadside by planting grass in urban areas	The Horticulture Department may take initiative to cover the unpaved roadside by planting grass in urban areas. Initiative may also be taken to plant creeper species on the high-rise government building which will act as noise barriers.
37.	AMC	AMC may take necessary steps for combating air pollution caused by portable brick/stone crusher units.	-	AMC may take necessary steps for combating air pollution caused by portable brick/stone crusher units.

Issue : 100 industrial clusters/ CETPs/ ETPs

Ref : NGT Order dated 14.11.2019 in OA No. 1038 of 2018

38.	Industries & Commerce Department	The TIDC may complete the work of laying pipelines from effluent generating units for connection to the CETP at Budhjungnagar Industrial Estate at the earliest.	Laying of pipelines from effluent generating units for connection to the CETP at Budhjungnagar Industrial Estate is yet to be completed.	- The TIDC shall complete the work of laying pipelines from effluent generating units for connection to the CETP at Budhjungnagar Industrial Estate within June, 2022. - Initiatives to be taken for necessary maintenance work of the existing CETP at Budhjungnagar Industrial Growth Centre. - The OCEMS installed at the CETP Budhjungnagar shall be connected to CPCB as well as TSPCB server within July, 2022.
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Issue : Identification, Protection & Restoration of water bodies

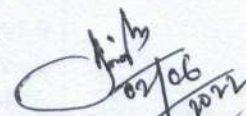
Ref : NGT Order dated 01.06.2020& 18.11.2020 in M.A. No. 26/2019 in OA No. 325/2015

(The application is disposed on 18.11.2020)

39.	State Level Committee (STE)	The State Level Committee (Nodal Agency) for restoration of water bodies may monitor the identification, protection and restoration works of the identified water bodies.	The existing State Level Committee under the Chairmanship of the Chief Wildlife Warden, Tripura (Nodal Agency for restoration of water bodies) are regularly monitoring the compliance	The State Level Committee (Nodal Agency) for restoration of water bodies may monitor the identification, protection and restoration works of the identified water bodies.
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Sl No	Responsible Departments/ Organizations	Decision taken in meeting of 16 th State Level Committee held on 16.12.2021	Progress as on date	Decision taken in meeting of 17 th State Level Committee held on 27.05.2021
			made by the different stakeholders as per the direction of Hon'ble NGT.	
40.	DMs/TSPCB	DMs may organise an Orientation Programme with all the stakeholders regarding survey, water sample collection from the identified water bodies. TSPCB may coordinate with all DMs in this regard.	DMs have taken necessary initiatives regarding survey, water sample collection from the identified water bodies. Till date 350 water bodies have been physically identified and water sample has been collected under West Tripura, Sepahijala, Gomati and South Tripura.	- TSPCB shall take initiative for collection of water samples from the remaining districts in consultation with DMs. - Compilation of district wise report based on the water quality of identified water body shall be prepared by TSPCB and submitted to the Authority for taking further course of action.
Issue : Illegal sand mining Ref : NGT Order dated 26.02.2021 in OA No. 360/2015, (The application is Disposed of on 26.02.2021)				
41.	DMs	DMs may take appropriate action against the illegal sand mining activities in their jurisdiction.	DMs are monitoring illegal sand mining activities under their jurisdiction.	DMs may take appropriate action against the illegal sand mining activities on regular basis.
42.	SEIAA	Forest Department and SEIAA may follow the Sustainable Sand Mining Management Guidelines 2020 of the MoEFCC while issuing Environment Clearance.	- The Environmental Clearance for sand mining activities are being issued by SEIAA. - Sustainable Sand Mining Management Guidelines 2016 (SSMG-2016) and SSMG-2020 are being followed. - Five-members Committee, headed by Chairman, SEIAA has been constituted.	Forest Department and SEIAA may follow the Sustainable Sand Mining Management Guidelines 2020 of the MoEFCC while issuing Environment Clearance.



(Animesh Das, IAS)

Director

Science, Technology & Environment
Government of Tripura

**List of Participants in 17th State Level Committee Meeting held under the
Chairmanship of Chief Secretary, Tripura on 27/05/2022**

Sl. No.	Name, Designation & Department
1.	Sri Kumar Alok, Chief Secretary, Government of Tripura
2.	Dr. D. K. Sharma, PCCF & HoFF, Forest Department, Government of Tripura
3.	Prof. B.K. Agarwala, Chairman, Tripura State Pollution Control Board
4.	Sri B.K.Sahu, Principal Secretary to the Government of Tripura, Science, Technology & Environment Department
5.	Sri J. K. Sinha, Principal Secretary to the Government of Tripura, Health & Family Welfare Department.
6.	Sri Puneet Agarwal, Principal Secretary to the Government of Tripura, IT and Revenue Department
7.	Sri Kiran Gitte, Secretary to the Government of Tripura, UD Department, Government of Tripura.
8.	Sri P.K.Goyal, Secretary to the Government of Tripura, ICA, I & C Department, Government of Tripura.
9.	Sri Apurba Roy, Secretary to the Government of Tripura, Finance Department, Government of Tripura.
10.	Sri Gaurab Chakraborty, Inspector General of Police (PH & W) , Government of Tripura
11.	Dr. Shailesh Yadav, Municipal Commissioner, Agartala Municipal Commissioner
12.	Dr Siddharth Jaiswal, MD, National Health Mission, Government of Tripura.
13.	Sri Animesh Das, Additional Secretary & Director, Science, Technology & Environment Department, Government of Tripura.
14.	Dr. Tamal Majumder, Director, Urban Development Department, Government of Tripura
15.	Smt. Swapna Debnath, Director, I & C Department, Government of Tripura.
16.	Sri Kanak Lal Das, AGM(DP&C), TSECL.
17.	Sri Bishu Karmakar, Member Secretary, Tripura State Pollution Control Board
18.	Sri Bijoy Kumar, Manager(P) & Head, CIPET, Agartala
19.	Sri Gopal Chetri, STA, CIPET, Agartala



TRIPURA STATE POLLUTION CONTROL BOARD

(A Statutory Organisation Under Government of Tripura)

Department of Science Technology & Environment

No.F.13(23)/TSPCB/NGT-606/4822-840

June 03, 2022

To:

1. Principal Secretary, Health Department, Govt. of Tripura.
2. Principal Chief Conservator of Forest, Govt. of Tripura.
3. Principal Secretary, Revenue Department, Govt. of Tripura.
4. Chairman, Tripura State Pollution Control Board.
5. Secretary, Finance Department, Govt. of Tripura.
6. Secretary, Education Department, Govt. of Tripura.
7. Secretary, Urban Development Department, Govt. of Tripura.
8. Secretary, ICA Department, Tripura.
9. Secretary, Agriculture Department, Govt. of Tripura.
10. Special Secretary, Rural Development Department, Govt. of Tripura.
11. Additional Director General/Inspector General of Police, Govt. of Tripura.
12. Director, Urban Development Department, Govt. of Tripura.
13. Director, Department of Industries & Commerce, Govt. of Tripura.
14. Director, Science, Technology & Environment, Govt. of Tripura.
15. District Magistrate & Collector, West Tripura, Sepahijala, Gomati, South Tripura, Khowai, Dhalai, Unakoti & North Tripura District.
16. District Forest Officer, West Tripura, Sepahijala, Gomati, South Tripura, Khowai, Dhalai, Unakoti & North Tripura District.
17. Municipal Commissioner, Agartala Municipal Corporation, Govt. of Tripura.
18. Regional Director, Central Pollution Control Board, Shillong.


(Dr. Bishu Karmakar)
Member Secretary

Copy to:

The PS to the Chief Secretary, Tripura for kind information of the Chief Secretary.

Minutes of the meeting of River Rejuvenation Committee (RRC), Tripura held on 04/07/2022 at 4:00 pm in the Office Chamber of the Director & Additional Secretary, Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala.

The meeting of River Rejuvenation Committee (RRC), Tripura was held on 04/07/2022 at 4:00 pm under the Chairmanship of the Director & Additional Secretary, Science, Technology & Environment, Govt. of Tripura and Chairman, RRC, Tripura in the office Chamber of the Director & Additional Secretary, Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala. The following officials were attended the meeting:

- i) Smt Sutirtha Paul, Joint Director, I & C Department, Government of Tripura
[Represented Director, I & C Department, Government of Tripura]
- ii) Sri Santanu Datta, Dy. Director, Urban Development Department, Government of Tripura [Represented Director, UD Department, Government of Tripura]
- iii) Dr. Bishu Karmakar, Member Secretary, Tripura State Pollution Control Board

The following agenda's were discussed in the meeting:

- i) Review of the decisions taken in the last meeting of River Rejuvenation Committee (RRC) held on 29.04.2022.
- ii) Discussion on DO letter received from Ministry of Jal Shakti vide No. J-27011/1/2022-NRCD-II dated 1st June, 2022.
- iii) Submission of the monthly progress report on implementation of Action plan for rejuvenation of identified 6 (six) polluted river stretches in prescribed format of NMCG.
- iv) Overall status of implementation of the Action Plan for restoration of six identified river stretches.

The Chairman, RRC has reviewed the status of implementation of the Action Plan for rejuvenation of six identified river stretches of the State and also took a stock of the status of compliance of the decisions taken in the last RRC meeting held on 29.04.2022.

The Member Secretary, TSPCB has informed that water quality of the six identified river stretches are well within the standard limit of Central Pollution Control Board.

The representative of the Director of Urban Development Department, Govt. of Tripura has informed that the UD Department has yet to quantify the total liquid waste generation of every polluted river stretches of the State. Initiatives have been taken to utilize the full capacity of the existing 8 MLD STP at Bhubanban, Agartala. Moreover, DPR has been prepared for setting up of FSTP at 19 ULBs (except AMC).

The Member Secretary, TSPCB has informed the Committee that a D.O letter has been received from the Joint Secretary, Ministry of Jal Shakti, Government of India addressed to the Chief Secretary, Tripura for submission of proposals under NRCP scheme, which has limited budgetary provision, financial assistance is provided on cost sharing basis of 60:40 between

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the Central & State Governments, but for North East Region, it is 90:10. Government of Tripura may also submit appropriate proposals for pollution abatement of identified river stretches with a condition that the State Government have to bear full operation and maintenance cost of assets to be created under the plan.

After threadbare discussions, the following decisions were taken:

- i) The Urban Development Department may prepare proposals for pollution abatement of identified river stretches and submit to NRCP alongwith DPR prepared as per the guideline of NRCP, Ministry of Jal Shakti, Govt. of India.
- ii) The UD Department may exercise the River stretch wise sewage generation to prepare comprehensive action plan to mitigate the gaps. The said Action Plan may be submitted to TSPCB within Twenty days.
- iii) Information regarding the major drains connected with the Model river stretches of Haora shall have to be submitted by the AMC/ASCL.
- iv) The Industries and Commerce Department may expedite the installation work of pipelines to connect the industries with the existing CETP at Bodhjunnagar for proper treatment of the effluents. Maintenance work of the CETP shall be done at the earliest.
- v) The Industries & Commerce Department shall take initiatives to connect the OCEMS of the Central Effluent Treatment Plant with the CPCB and TSPCB servers with utmost priority.
- vi) The existing capacity of STP at Lankamura, Bhubanban, Agartala is 8 MLD. But, present level of utilization is only 27%. The Urban Development Department must take necessary steps to utilize the full capacity of the STP.
- vii) Work order has been issued for another 8 MLD STP at Akaura ICP. The Urban Development Department may take initiative to expedite the process of execution of 8 MLD STP at Akaura ICP.
- viii) The ASCL may expedite the process of bio-remediation of the 5 drains under AMC in pilot basis.
- ix) From the analytical data of all the water quality monitoring locations of six identified rivers, it has been observed that the BOD Level and FC Count along with other parameters are well within the standard limits except few occasions in the Haora river. Analysis of few other parameters like pesticide and streptococci is going on externally. The Committee is of the opinion that the State may approach Central Pollution Control Board again for delisting of the 6 (Six) identified river stretches of Tripura from the list of 351 identified polluted river stretches pertaining to Hon'ble NGT Orders passed in OA No.673/2018 after completion of water quality analysis of all the parameters as desired by CPCB.
- x) The concerned ULBs may take necessary initiatives for setting up of Sewage Treatment Plants (STP) and Faecal Sludge Treatment Plants (FSTPs) of adequate capacities within stipulated timeline.
- xi) Construction of 8 (eight) tertiary waste processing units have been completed already and inauguration will be done in August, 2022. The remaining ULBs may take necessary initiatives for completion of setting up of tertiary waste processing including both wet waste vermin composting and dry waste sorting and segregation within stipulated timeline.

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- xii) The monthly progress report on the implementation of Action plan for rejuvenation of identified 6 (six) polluted river stretches may be submitted to the NMCG in the prescribed format within 20th of every month.
- xiii) All concerned Department and ULBs may be requested to provide the ATR on implementation of Action Plan for restoration of 6 (six) identified river stretches to TSPCB on monthly basis. The report should reflect the periodic progress on implementation of the action plan.

The meeting was ended with thanks to the Chair.

(Animesh Das, IAS)

**Director, Science, Technology & Environment,
Government of Tripura &
Chairman, River Rejuvenation Committee, Tripura**

No.F.19(7)/TSPCB/NGT/2018/S/ 6670-22

July 06, 2022

To

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.....

Copy to the :

- i) PPS to Chief Secretary, Tripura for kind information of Chief Secretary.
- ii) PS to the Secretary, Science, Technology & Environment Department, Government of Tripura for kind information of Secretary.
- iii) The Member Secretary, Tripura State Pollution Control Board

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM BURIGAON RIVER (FEBRUARY, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.3	1.1	1.1
2.	Total Coliform (MPN/100)	150	110	110
3.	Fecal Coliform (MPN/100)	32	21	21

Site of Collection:

B-1: Burigaon River at Bishalgarh.

B-2: Up Stream of Burigaon River at Bishalgarh.

B-3: Down Stream of Burigaon River at Bishalgarh.

Rajib Paul,
08/04/22.

(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM GUMTI RIVER (FEBRUARY, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12	G-13	G-14	G-15	G-16	G-17	G-18
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.1	BDL	BDL	1.9	1.2	1.8	1.2	1.1	1.1	1.1	BDL	1.1	1.06	BDL	BDL	1.2	1.1	1.2
2.	Total Coliform (MPN/100)	130	70	110	150	84	110	110	63	84	94	58	63	63	33	41	130	63	63
3.	Fecal Coliform (MPN/100)	39	22	26	47	17	31	38	17	17	26	17	21	21	17	17	32	17	32

BDL= Below detectable limit.

Site of Collection: G-1: Gomti River at Jatanbari, G-2: Upstream Gomti River at Jatanbari, G-3: Downstream of Gomti River at Jatanbari, G-4: Gomti River at Sonamura, G-5: Upstream of Gomti River at Sonamura, G-6: Downstream of Gomti River at Sonamura, G-7: Gomti River at Rajdharnagar, G-8: Upstream of Gomti River at Rajdharnagar, G-9: Downstream of Gomti River at Rajdharnagar, G-10: Gomti River at Amarpur, G-11: Upstream of Gomti River at Amarpur, G-12: Downstream of Gomti River at Amarpur, G-13: Gomti River at Tirthamukh, G-14: Upstream of Gomti River at Tirthamukh, G-15: Downstream of Gomti River at Tirthamukh, G-16: Gomti River at Subhashsetu, G-17: Upstream of Gomti River at Subhashsetu, G-18: Downstream of Gomti River at Subhashsetu.

Rajib Paul.
08/04/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM HAORA RIVER (FEBRUARY, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12	G-13	G-14	G-15
1.	Bio-Chemical Oxygen Demand (BOD) mg/l	1.2	1.1	1.2	2.1	1.5	1.3	1.4	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1
2.	Total Coliform (MPN/100)	120	84	110	280	150	210	150	110	110	130	70	63	63	58	58
3.	Fecal Coliform (MPN/100)	21	17	17	47	32	40	32	21	25	21	17	17	21	13	17

Site of Collection: G-1: Haora River at Chandrapur, G-2: Upstream Haora River at Chandrapur, G-3: Downstream of Haora River at Chandrapur, G-4: Haora River at Dashamighat, G-5: Upstream of Haora River at Dashamighat, G-6: Downstream of Haora River at Dashamighat, G-7: Haora River at Aralia, G-8: Upstream of Haora River at Aralia, G-9: Downstream of Haora River at Aralia, G-10: Haora River at Kalabagan, G-11: Upstream of Haora River at Kalabagan, G-12: Downstream of Haora River at Kalabagan, G-13: Haora River at Joynagar, G-14: Upstream of Haora River at Joynagar, G-15: Downstream of Haora River at Joynagar.

Rajib Paul
08/04/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM MANU RIVER (FEBRUARY, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.2	1.1	1.1
2.	Total Coliform (MPN/100)	84	47	58
3.	Fecal Coliform (MPN/100)	26	17	21

Site of Collection:

B-1: Manu River at Kailasahar.

B-2: Up Stream of Manu River at Kailasahar.

B-3: Down Stream of Manu River at Kailasahar.

Rajib Paul,
08/04/22.

(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM KHOWAI RIVER (FEBRUARY, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12
1.	Bio-Chemical Oxygen Demand (BOD) mg/l	1.1	1.06	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2
2.	Total Coliform (MPN/100)	120	40	58	110	34	41	48	27	34	84	32	40
3.	Fecal Coliform (MPN/100)	27	17	21	21	13	21	17	14	15	21	13	15

Site of Collection: G-1: Khowai River at Trishabari, G-2: Upstream of Khowai River at Trishabari, G-3: Downstream of Khowai River at Trishabari, G-4: Khowai River at Kumari Madhuti setu, G-5: Upstream of Kumari Madhuti setu, G-6: Downstream of Kumari Madhuti setu, G-7: Khowai River at Chakmaghat, G-8: Upstream of Khowai River at Chakmaghat, G-9: Downstream of Khowai River at Chakmaghat, G-10: Khowai River at Karailong, G-11: Upstream of Khowai River at Karailong, G-12: Downstream of Khowai River at Karailong.

Rajib Paul,
08/04/22.

(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM JURI RIVER (FEBRUARY, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Demand (BOD), mg/l	1.2	1.1	1.1
2.	Total Coliform (MPN/100)	94	63	84
3.	Fecal Coliform (MPN/100)	33	17	21

Site of Collection:

B-1: Juri River at Krishnapur.

B-2: Up Stream of Juri River at Krishnapur.

B-3: Down Stream of Juri River at Krishnapur.

Rajib Paul
08/09/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM BURIGAON RIVER (MARCH, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.3	1.1	1.2
2.	Total Coliform (MPN/100)	170	110	150
3.	Fecal Coliform (MPN/100)	39	21	32

Site of Collection:

B-1: Burigaon River at Bishalgarh.

B-2: Up Stream of Burigaon River at Bishalgarh.

B-3: Down Stream of Burigaon River at Bishalgarh.

Louis Paul.
08/04/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM GUMTI RIVER (MARCH, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12	G-13	G-14	G-15	G-16	G-17	G-18
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.3	1.1	1.1	2.1	1.6	1.8	1.4	1.2	1.3	1.3	1.1	1.1	1.2	1.1	1.1	1.5	1.2	1.4
2.	Total Coliform (MPN/100)	150	84	120	170	84	130	130	84	84	110	58	70	84	38	63	150	63	94
3.	Fecal Coliform (MPN/100)	47	26	40	58	21	34	47	23	41	41	21	21	34	21	27	58	26	39

BDL= Below detectable limit.

Site of Collection: G-1: Gomti River at Jatanbari, G-2: Upstream Gomti River at Jatanbari, G-3: Downstream of Gomti River at Jatanbari, G-4: Gomti River at Sonamura, G-5: Upstream of Gomti River at Sonamura, G-6: Downstream of Gomti River at Sonamura, G-7: Gomti River at Rajdharnagar, G-8: Upstream of Gomti River at Rajdharnagar, G-9: Downstream of Gomti River at Rajdharnagar, G-10: Gomti River at Amarpur, G-11: Upstream of Gomti River at Amarpur, G-12: Downstream of Gomti River at Amarpur, G-13: Gomti River at Tirthamukh, G-14: Upstream of Gomti River at Tirthamukh, G-15: Downstream of Gomti River at Tirthamukh, G-16: Gomti River at Subhashsetu, G-17: Upstream of Gomti River at Subhashsetu, G-18: Downstream of Gomti River at Subhashsetu.

Rajib Paul
08/09/22

(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM HAORA RIVER (MARCH, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12	G-13	G-14	G-15
1.	Bio-Chemical Oxygen Demand (BOD) mg/l	1.5	1.2	1.3	2.4	1.6	2.1	1.7	1.2	1.3	1.3	1.1	1.1	1.4	1.1	1.2
2.	Total Coliform (MPN/100)	140	84	110	350	170	220	170	110	150	170	84	84	84	58	63
3.	Fecal Coliform (MPN/100)	26	21	26	58	40	47	38	21	38	27	15	17	26	15	21

Site of Collection: G-1: Haora River at Chandrapur, G-2: Upstream Haora River at Chandrapur, G-3: Downstream of Haora River at Chandrapur, G-4: Haora River at Dashamighat, G-5: Upstream of Haora River at Dashamighat, G-6: Downstream of Haora River at Dashamighat, G-7: Haora River at Aralia, G-8: Upstream of Haora River at Aralia, G-9: Downstream of Haora River at Aralia, G-10: Haora River at Kalabagan, G-11: Upstream of Haora River at Kalabagan, G-12: Downstream of Haora River at Kalabagan, G-13: Haora River at Joynagar, G-14: Upstream of Haora River at Joynagar, G-15: Downstream of Haora River at Joynagar.

Rajib Paul
 08/04/22
 (Dr. RAJIB PAUL)
 Junior Scientific Assistant,
 TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM MANU RIVER (MARCH, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.4	1.1	1.2
2.	Total Coliform (MPN/100)	94	47	63
3.	Fecal Coliform (MPN/100)	31	21	21

Site of Collection:

B-1: Manu River at Kailasahar.

B-2: Up Stream of Manu River at Kailasahar.

B-3: Down Stream of Manu River at Kailasahar.

Rajib Paul.
08/09/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM KHOWAI RIVER (MARCH, 2022)

Sl. No	Parameters	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12
1.	Bio-Chemical Oxygen Demand (BOD) mg/l	1.3	1.1	1.2	1.4	1.1	1.2	1.4	1.2	1.2	1.3	1.1	1.1
2.	Total Coliform (MPN/100)	150	63	84	130	46	58	58	33	39	94	41	47
3.	Fecal Coliform (MPN/100)	38	17	21	32	15	21	17	13	15	22	15	15

Site of Collection: G-1: Khowai River at Trishabari, G-2: Upstream of Khowai River at Trishabari, G-3: Downstream of Khowai River at Trishabari, G-4: Khowai River at Kumari Madhuti setu, G-5: Upstream of Kumari Madhuti setu, G-6: Downstream of Kumari Madhuti setu, G-7: Khowai River at Chakmaghat, G-8: Upstream of Khowai River at Chakmaghat, G-9: Downstream of Khowai River at Chakmaghat, G-10: Khowai River at Karailong, G-11: Upstream of Khowai River at Karailong, G-12: Downstream of Khowai River at Karailong.

Raise find.
08/04/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM JURI RIVER (MARCH, 2022)

Sl. No	Parameters	B-1	B-2	B-3
1.	Bio-Chemical Oxygen Demand (BOD), mg/l	1.4	1.1	1.3
2.	Total Coliform (MPN/100)	110	63	94
3.	Fecal Coliform (MPN/100)	39	17	26

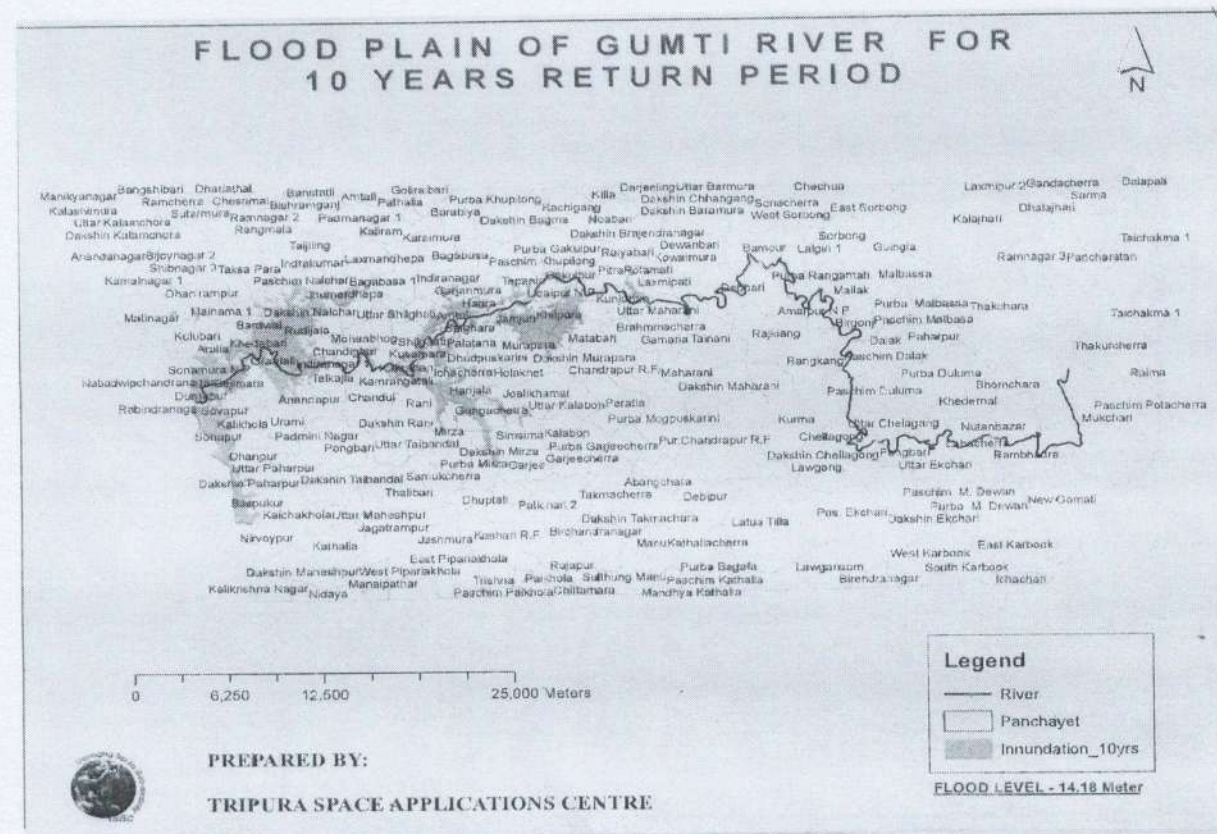
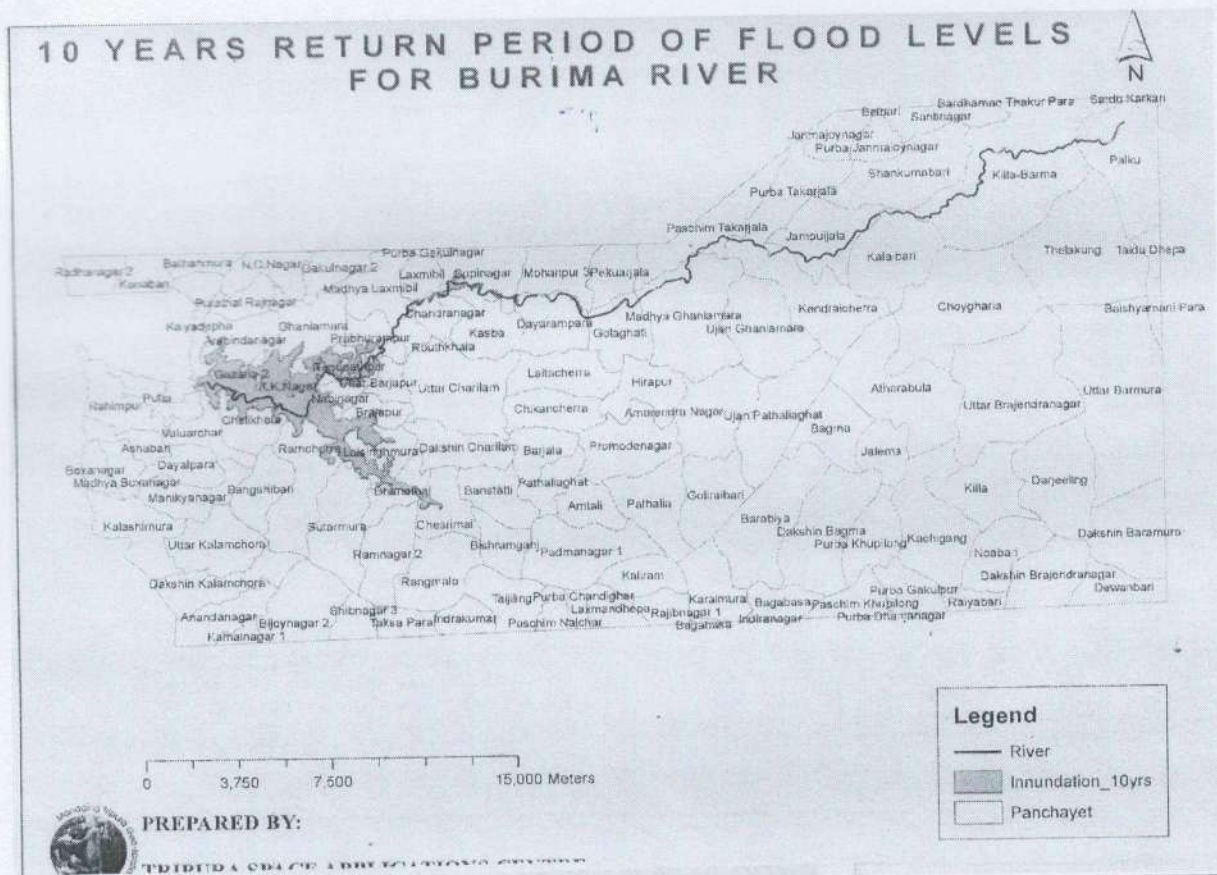
Site of Collection:

B-1: Juri River at Krishnapur.

B-2: Up Stream of Juri River at Krishnapur.

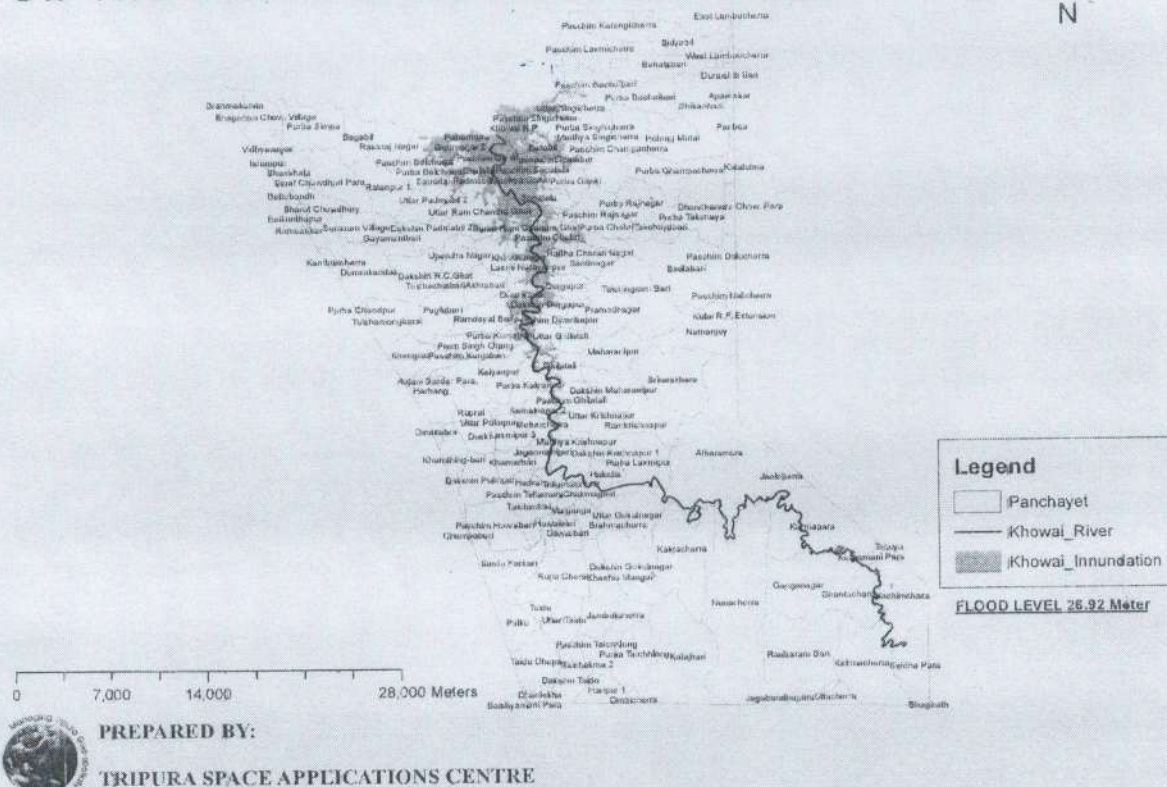
B-3: Down Stream of Juri River at Krishnapur.

Rajib Paul,
08/04/22.
(Dr. RAJIB PAUL)
Junior Scientific Assistant,
TSPCB, Agartala.

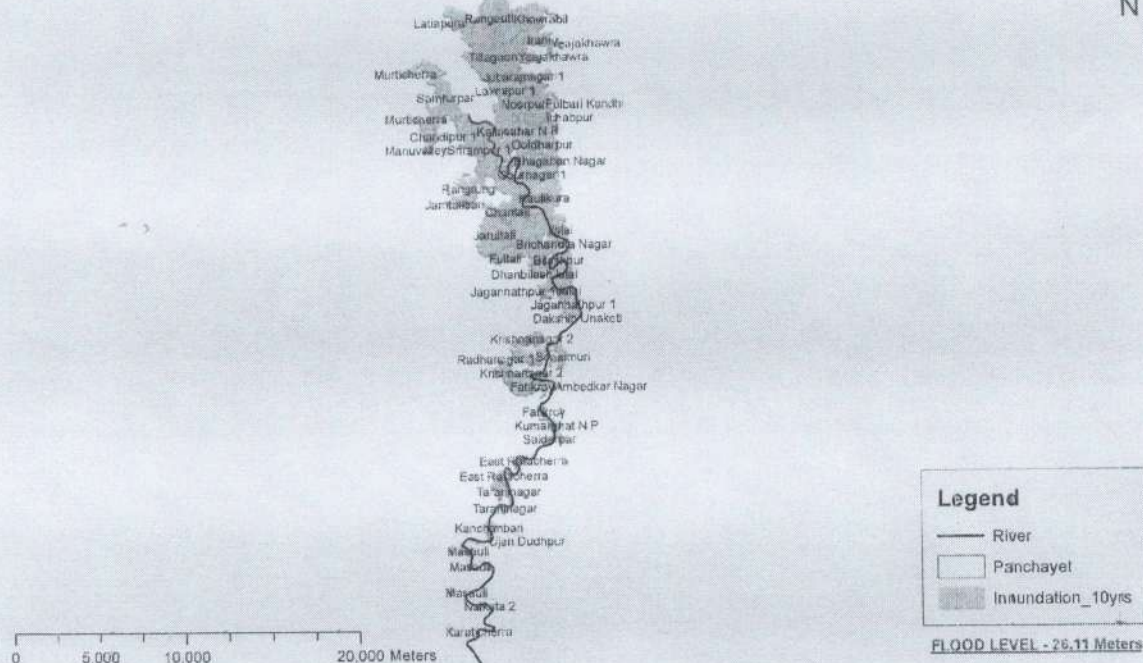




FLOOD PLAIN OF KHOWAI RIVER ON THE BASIS OF 10 YEARS RETURN PERIOD



FLOOD PLAIN OF MANU RIVER FOR 10 YEARS RETURN PERIOD



Status of greenery development/ soil & moisture conservation works to be undertaken by Forest Department, as per Action Plan for polluted river stretches in the State for the financial year 2020 - 2021 as on 31-01-2021

Name of River	District	Block Plantation (Ha)		River bank Plantation (Km)		Check dam Target (nos)	Check dam Achievement (nos)	Remarks
		Target	Achievement	Target	Achievement			
Burigaon	Sepahijala	182	107	8	8	10	8	Work completed
Gumti	Gumti	398	398	50	86	15	0	Work completed
Haora	West	178	178	8	8	8	8	Work completed
Juri	North	26	26	15	15	12	0	Work completed
Khowai	Khowai	419	419	12	12	12	12	Work completed
Manu	Unakoti	94	178	8	22	10	0	Work completed
Total		1,297	1,306	101	151	67	28	Work under progress

Annexure

**Status of greenery development / soft & moisture conservation works to be undertaken by Forest Department, as per
Action Plan for polluted river stretches in the State for the financial year 2021-22 as on 28.02.2022**

Name of river	District	Block Plantation (ha)		River Bank Plantation (Km)			Check dam Target (nos.)	Check dam Progress (nos.)	Schemes
		Target	Achievement	Remarks	Target	Achievement	Remarks		
Burigaon	Sepahjala	200	120		10	10		15	0
Gumti	Gumti	438	438		60	23		25	49 work in progress
Haora	West	196	196		15	3		10	0
Juri	North	29	29		20	20		15	50
Khowai	Khowai	461	461		15	10		15	0
Manu	Unakoti	103	538		12	12		15	0
Total		1,427	1,782		132	78		95	50

Check dam work in progress under SCATFORM IGDCP etc.

F.1(27)/EE/WRID/TECH/2018/ 927-29
Government of Tripura
Office of the Executive Engineer
Water resource Investigation Division
Kunjaban:Agartala

Dated, 2nd July, 2021

✓ To
The Member Secretary,
Tripura State Pollution Control Board,
Gorkhabasti, P. N Complex
Agartala, Tripura.

Sub: - Action taken report for procurement of E-flow meter.

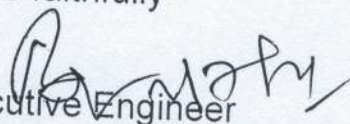
Ref:- 1 F.19(23)/TSPCB/WQME/ 2048-52 dtd.12/12/2019.

Sir,

In inviting the above captioned reference letter, it is to inform you that one E-flow meter has been procured as per Action Plan entrusted to this end.

This is for your kind information please.

Yours faithfully


Executive Engineer
Water Resource Investigation Division
Kunjaban:Agartala

- Copy to: 1. The Chief Engineer, PWD(WR), Kunjaban, Agartala for favour of Kind information please
2. The Superintending Engineer, O/o The Addl Chief Engineer, Planning & Design Unit, Kunjaban, Agartala for favour of Kind information please



Not (Legal)
[Signature]
7.7.21

Executive Engineer
Water Resource Investigation Division