

Submission of Monthly Progress Report for the Month of May-June, 2025 in the NGT Matter OA No. 673 of 2018 (in compliance with the NGT order dated 24.09.2020)

1. Details of Sewage Treatment Plant (STP):

- **Total Generation of Sewage:** 82.4 MLD (in 20 ULBs)
- **Total Treatment Facility Operationalized/Constructed:** 8 MLD STP with co-treatment facility at Chandinamura under Agartala MC & 1.4 MLD In-Situ Nalla Treatment of drains flowing to river Howrah at Agartala MC. Another STP of 8 MLD capacity at Akhaura ICP has been constructed & commissioned.
- **Present Gap in Sewage Management:** (82.4 – 17.40) MLD = 65 MLD

Detailed Status of existing STP/ Sewage Treatment Facilities:

- One 8 MLD STP is operational since 2017 at North Zone of Agartala Municipal Corporation, having around 10-12% additional treatment capacity of feacal sludge as input. Feacal sludge from Agartala city and surrounding areas is carried in by cesspool emptier vehicle and treated at this plant. To increase the utilization of STP to its optimal capacity through interception and diversion of drains, the work of installing additional sewage pumping station has been completed.
- **In-Situ Nalla Treatment of drains:** - 1.4 (One point four) MLD capacity In-Situ Nalla Treatment of five drains flowing to river Howrah at Agartala, which are smaller & can't be remediated through STP. The project is completed and all drains have been commissioned. The project has been taken up from Agartala Smart City on pilot basis.
- Another STP of 8 MLD capacity at Akhaura ICP has been constructed & commissioned.

New Proposal for STPs & other treatment Plants to mitigate the gap:

To mitigate the gap in sewage management (65 MLD), the following projects have been taken up:

Detailed status of Ongoing Projects (71 MLD):

- I. 4 (Four) STPs of total 31.5 MLD** capacity has been taken up at Katakhal & Kalapania Khal in Agartala MC. Accordingly, works started by Agency is M/s Swapan Ch. De, Central Road Extension, Town Pratapgarh, Agartala, West Tripura vide LoA No.4 (131)/2022/ 8831-41 dated 22-06-2023. Construction works is going on and are in various stage of completion.
- II. 16.5 MLD STP in 11 ULBs** - Total works has been divided in 4 cluster wise package. Construction works is going on and are in various stage of completion. (Name of 11 ULBs: Dharmanagar MC, Udaipur MC, Mohanpur MC, Kailashahar MC, Ranirbaza MC, Melaghar MC, Belonai MC, Khowai MC, Kumarghat MC, Ambassa MC & Teliamura MC).
- III. In-Situ Nalla Treatment of drains having total capacities of 10 MLD covering 8 ULBs-** Construction works is going on and are in various stage of completion. (Name of 8 ULBs: Sabroom NP, Panisagar NP, Sonamura NP, Santirbazar MC, Jirania NP, Kamalpur NP, Amarapur NP, Bishalgarh MC).
- IV. 2 (two) nos. Oxidation Pond having total capacity of 5 MLD covering 2 ULBs** -Works started by the agency and they are in various stages of completion.
- V. One STP of 8 MLD capacity over Howrah:** The project is under tendering stage.

Additional measures for Used Water Management:

- All drains flowing to river or water bodies are retrofitted with wired mesh to prevent the flow of solid waste into the water body.
- A vast range of IEC activities targeting littering of water bodies, drains are being carried out in all ULBs. Several awareness campaigns involving eminent personalities, brand ambassador, school children, NGOs, market association, clubs, District Magistrate & Collectors, Elected Representatives etc. have been carried out. Short videos and Audio message are also being disseminated to aware citizens. Rigorous Social Media post are also being done to aware citizens.

2. Solid Waste Management:

A. Door to Door Waste Collection & Source Segregation of Waste - Presently 100% door to door waste collection along with source segregation is being practiced in all 334 wards.

- Total municipal solid waste generated: - 352.75 TPD
- 352.75 TPD is collected segregated and transported.
- Presently 352.75 TPD waste is being processed.

B. Bio-Degradable & Non-Biodegradable Waste processing:

There are 20 ULBs in the State of Tripura.

- In the State, biodegradable waste is managed with the help of 19 nos. decentralized Solid Waste Processing Facilities, while 2 (two) ULBs namely Bishalgarh MC and Jirania NP are using the neighbouring facilities of Agartala MC and Ranirbazar MC respectively. These Waste Processing Facilities are equipped to process both Wet and Dry waste.

Name of ULB	No. of Solid Waste Processing Facilities/MRF Centres	Capacity of Solid Waste Processing Facilities/MRF Centres (in TPD)
Agartala MC	2*	275
Bishalgarh MC	0	Using plant of Agartala MC
Kamalpur NP	1	6
Dharmanagar MC	1	15
Panisagar NP	1	10
Kailashahar MC	1	10
Kumarghat MC	1	10
Ambassa MC	1	10
Khowai MC	1	10
Teliamura MC	1	10
Ranirbazar MC	1	10
Jirania NP	0	Using plant of Ranirbazar MC
Santirbazar MC	1	10
Mohanpur MC	1	10
Sabroom NP	1	10
Melaghar MC	1	10
Sonamura NP	1	10
Udaipur MC	1	10
Amarpur NP	1	10
Belonia MC	1	10
Total	19	446

* 1 MRF 25 TPD & 1 Solid Waste Processing Facility 250 TPD

➤ There are total 85 (eighty five) numbers of Segregation Sheds which are already functional and are linked to the 19 Solid Waste Processing Facilities/MRF Centres. These sheds are set up in decentralized manner to cover all 20 ULBs.

Facility	Type of Plant	Location	Number	Present Status
De-centralized Plants (ULB wise)	Segregation Sheds (Only Segregation of Dry waste into various categories is done by Women SHGs)	Agartala MC	16	All are functional
		Bishalgarh MC	2	
		Kamalpur NP	3	
		Dharmanagar MC	3	
		Panisagar NP	3	
		Kailashahar MC	3	
		Kumarghat MC	4	
		Ambassa MC	4	
		Khowai MC	6	
		Teliamura MC	6	
		Ranirbazar MC	3	
		Jirania NP	3	
		Santirbazar MC	3	
		Mohanpur MC	5	
		Sabroom NP	5	
		Melaghar MC	3	
		Sonamura NP	3	
		Udaipur MC	3	
		Amarpur NP	3	
		Belonia MC	4	
Total			85 nos.	

3. Landfill/ Dumpsite Remediation:

➤ Total 13 nos. Legacy Waste Dumpsites are identified and remediated in 13 ULBs. (Santirbazar MC, Belonia MC, Sabroom NP, Dharmanagar MC, Panisagar NP, Kailashahar MC, Kumarghat MC, Udaipur MC, Amarpur NP, Khowai MC, Melaghar MC, Sonamura NP& Ambassa MC).

4. 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 have been identified through survey 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 estimated industrial discharge from the industries within the 500 meters of catchment area is 14427 LPD. A total of 179 industries is present within 500 meters 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.

5. 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 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. According to the latest analytical report of the six river water, the BOD level were found within prescribed standard limit

for the 5 identified rivers of Tripura. However, few parameters exceed the normal standard for the Haora River occasionally.

River Wise Details:

Name of the River	River Stretch	Priority	Action Plan under implementation/ Proposed	Present Status
Burigaon	Along Bishalgarh	-	Compressive Action Plan for rejuvenation of the identified river stretches covering individual rivers have been prepared and submitted to Central Pollution Control Board. The Action Plan is under implementation.	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. According to the latest analytical report of the six river water, the BOD level were found within prescribed standard limit for the 5 (Burigaon, Gomati, Juri, Manu, Khowai) identified rivers of Tripura. However, few parameters exceed the normal standard for the Haora river occasionally. The analytical report of the six river water are being submitted to the CPCB on Regular basis. However, implementation of the Action Plan is going on. The River Rejuvenation Committee (RRC), Tripura is reviewing the implementation of the said Action Plan on regular basis. Minutes of the last meeting is
Gumti	Telkajila To Amarpur	-		
Haora	Agartala to Champaknagar	v		
Juri	Along Dharmanagar	.		
Khowai	Along Teliamura	-		
Manu	Along Kailashahar	-		

				enclosed herewith as Annexure-1. Further, the Chief Secretary, Tripura is regularly reviewing the status of implementation of the Action Plan for rejuvenation of the river stretches through State Level Committee meeting. A copy of the minutes of the said meeting is enclosed herewith as Annexure-2.
The Water Quality analysis report of the six identified river stretches is enclosed as Annexure-3.				

6. 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.

7. 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.

8. Demarcation of Floodplain and removal of illegal encroachments:

Flood Plane Zones of six identified river stretches were already identified.

9. 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. Some of the major initiatives taken by the State in this regard are as follows:

- a. 5 (five) drains have been identified discharging in the Haora River. *In-situ* Bioremediation is being carried out in those 5 drains. Work Completed.
- b. Haora River Front Development Project has been launched having several objectives to protect this river.

- c. Extensive river bank plantation has been done already.
- d. Regular monitoring of Water Quality is being done by the State Board.
- e. Flood Plain Zone has been identified.
- f. The river bank is made encroachment free and regular monitoring is being done by the concerned Authority.
- g. Proper monitoring is being done so that no solid waste dumped into the river from nearby markets.

10. Plantation activities along the rivers:

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

11. 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, Tripura, 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. A dedicated team is formed to look after the gardens and parks in Agartala city.

12. Monitoring by the RRC: The River Rejuvenation Committee is monitoring the overall implementation of the Action Plan for rejuvenation of the identified polluted river stretches of the State.

Minutes of the meeting of River Rejuvenation Committee (RRC), Tripura held on 20/09/2024 at 11:00 am in the Office Chamber of the Director, Department of Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala.

The meeting of River Rejuvenation Committee (RRC), Tripura was held on 20/09/2024 at 11:00 am under the Chairmanship of the Director, Science, Technology & Environment, Govt. of Tripura and Chairman, RRC, Tripura in the office Chamber of the Director, Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala. This apart, the following members of RRC and other officials were present in this meeting:

1. Sri Amitabha Chakma, Joint Director, Urban Development Department, Government of Tripura.
2. Smt. Sutirtha Paul, Joint Director, Industries & Commerce Department, Government of Tripura.
3. Dr. Bishu Karmakar, Member Secretary, Tripura State Pollution Control Board.
4. Er. Sajal Ghosh, Agartala Smart City Limited
5. Sri Sujay Chaudhury, Executive Engineer, Agartala Municipal Corporation

The following agenda was discussed in the meeting:

- i) Implementation of the action plan for rejuvenation of the identified polluted river stretches of the State
- ii) Discussion on various Orders/directions passed by the Hon'ble National Green Tribunal with respect to the rejuvenation of rivers in recent time.

At the outset, the Director, Department of Science, Technology & Environment, Chairman, RRC discussed the main objective of the meeting and also reviewed the present status of implementation of the action plan for rejuvenation of the identified polluted river stretches of the State.

The Member Secretary, Tripura State Pollution Control Board has informed that water quality of the five identified river stretches is well within the standard limit as prescribed by the Central Pollution Control Board. However, the water quality of Haora River was found beyond standard limit occasionally. In the minutes of the 16th meeting of Central Monitoring Committee in the NGT matter OA No. 673 of 2018 held on 12.05.2023, it was mentioned that the number of polluted river stretches have been reduced from 6 to 1 in Tripura, which is only river Haora along Agartala city under priority V. The Member Secretary, TSPCB has also informed that the Hon'ble National Green Tribunal in its various other matters [OA No. 22/2024 (CZ), OA No. 156/2023, OA No. 263/2022 and OA No. 793/2023] wherein the Tribunal has issued direction in PAN India basis for strict compliance of timelines for commencing new projects, completing ongoing projects and adopting interim phyto/bio-remediation measures. Other steps in terms of action plans for abatement to pollution and rejuvenation of rivers, including preventing discharge or dumping of liquid and solid waste, maintaining e-flow, protecting floodplains, using

treated sewage for Secondary purposes, developing bio- diversity parks, protecting water bodies, regulating ground water extraction, water conservation, maintaining water quality etc. be taken effectively.

The Urban Development Department has informed that they have taken necessary initiatives including setting up of Sewage Treatment Plan, Bio-remediation of small drains and setting up of small oxidation ponds for sewage management in the urban areas. Initiatives have also been taken by the Agartala Smart City Limited and Agartala Municipal Corporation for rejuvenation of Haora River.

The Industry & Commerce Department has informed that the Common Effluent Treatment Plant (CETP) at Bodhjunnagar is under maintenance and it will be made functional shortly.

After threadbare discussions the following decisions were taken:

- i) Orders/Directions issued by the Hon'ble National Green Tribunal in various cases [OA No. 22/2024 (CZ), OA No. 156/2023, OA No. 263/2022 and OA No. 793/2023] has been shared with all concerned Departments. The directions passed by the Hon'ble NGT shall be strictly complied by all concerned Departments.
- ii) The Urban Development Department and the PWD(DWS) shall take necessary initiatives to expedite the setting up of the Sewage Treatment Plan, Bio-remediation of small drains and setting up of small oxidation ponds for sewage management in the urban areas.
- iii) All concerned Departments/ Organization shall take necessary initiatives for proper implementation of the action plan for rejuvenation of the Haora River and also submit the Action Taken Report on monthly basis to TSPCB.
- iv) The TSPCB may again share the Action Plan for rejuvenation of six identified river stretches of the State to all the concerned Departments and ULBs for implementation to keep the rivers clean.
- v) All concerned Department and ULBs shall submit Monthly Progress Report on implementation of action plan for rejuvenation of the river stretches accordingly.

The meeting was ended with thanks to the Chair.

Signed by Mahender Singh

Date: 04-10-2024 11:33:32

(Mahender Singh, IFS)

Director

Science, Technology & Environment

Government of Tripura&

Chairman, River Rejuvenation Committee, Tripura

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Copy to the :

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

I/116833/2024

Minutes of the meeting of River Rejuvenation Committee (RRC), Tripura held on 25/04/2024 at 11:30 am in the Office Chamber of the Director, Department of Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala.

The meeting of River Rejuvenation Committee (RRC), Tripura was held on 25/04/2024 at 11:30 am under the Chairmanship of the Director, Science, Technology & Environment, Govt. of Tripura and Chairman, RRC, Tripura in the office Chamber of the Director, Science, Technology & Environment, Government of Tripura, Gorkhabasti, Agartala. This apart, the following members of RRC and other officials were present in this meeting:

1. Sri S. C. Das, Additional Director, Industries & Commerce Department, Government of Tripura.
2. Sri Pinku Debbarma, Deputy Director, Urban Development Department, Government of Tripura.
3. Dr. Bishu Karmakar, Member Secretary, Tripura State Pollution Control Board.

The following agenda was discussed in the meeting:

- i) Implementation of the action plan for rejuvenation of the identified polluted river stretches of the state
- ii) To review the methodology adopted by the State for calculation of sewage generation and share the revised quantum of sewage generation of the State to Central Pollution Control Board

At the outset, the Chairman, RRC discussed the main objective of the meeting and also reviewed the present status of implementation of the action plan for rejuvenation of the identified polluted river stretches of the state.

The Member Secretary, TSPCB has informed that water quality of the five identified river stretches is well within the standard limit of Central Pollution Control Board. However, the water quality of Haora River was found beyond standard limit occasionally. In the minutes of the 16th meeting of Central Monitoring Committee in the NGT matter OA No. 673 of 2018 held on 12.05.2023, it was mentioned that the number of polluted river stretches have been reduced from 6 to 1 in Tripura, which is only river Haora along Agartala city under priority V. The Member Secretary, TSPCB has also informed that the Central Pollution Control Board has requested the State to review the methodology adopted by the State for calculation of sewage generation and share the revised quantum of sewage generation of the State to Central Pollution Control Board.

The Urban Development Department has informed that they have taken necessary initiatives including setting up of Sewage Treatment Plan, Bio-remediation of small drains and setting up of small oxidation ponds for sewage management in the urban areas. Initiatives have also been taken by the Agartala Smart City Limited and Agartala Municipal Corporation for rejuvenation of Haora River.

I/116833/2024

After threadbare discussions the following decisions were taken:

- i) The Urban Development Department and the PWD(DWS) may be requested to review the methodology adopted for calculation of sewage generation in urban and rural areas respectively and share the revised quantum of sewage generation along with methodologies of calculation for onward submission to Central Pollution Control Board.
- ii) All concerned Departments/ Organization shall take necessary initiatives for proper implementation of the action plan for rejuvenation of the Haora River and also to submit ATR on monthly basis to the TSPCB.
- iii) All concerned Department and ULBs may be requested to provide the ATR on implementation of action plan for rejuvenation of other 5(five) river stretches to keep the rivers clean on monthly basis to the TSPCB.
- iv) The representatives of the Agartala Smart City Limited and Agartala Municipal Corporation may be requested to remain present in the next RRC meeting.

The meeting was ended with thanks to the Chair.

Signed by Mahender Singh

Date: 02-05-2024 11:24:22

Reason: Approved
(Mahender Singh, IFS)

Director

Science, Technology & Environment

Government of Tripura &

Chairman, River Rejuvenation Committee, Tripura

No.F.19(7)/TSPCB/NGT/2018/S/
2024

April 30,

To

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Copy to the :

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

Minutes of 45th meeting of the State Level Committee held on 21/06/2025 at 5:00 pm in the Video Conference Room of the Civil Secretariat under the Chairmanship of Chief Secretary, Tripura to review the progress of implementation of the Directions passed by the Hon'ble NGT in OA No. 606 of 2018 in the matter of compliance of Solid Waste Management Rules, 2016 and other environment related issues of the State.

The 45th meeting of the State Level Committee was held under the Chairmanship of the Chief Secretary, Government of Tripura, on 21.06.2025 at 5.00 pm in Video Conference Room of the Civil Secretariat to review the progress made on implementation of the Directions passed by the 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 the State.

The list of officers attended the VC meeting is 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.

At the outset, the Chairman, Tripura State Pollution Control Board has welcomed all the officials and briefed the objective of this review meeting.

The Secretary, Urban Development Department elaborated various actions taken to mitigate the gaps in solid waste management and sewage management in the State through PPT. He also informed that the Urban Development Department is reviewing the status of Solid as well as liquid waste management with all the ULBs twice a month.

The Member Secretary, Tripura State Pollution Control Board also briefed the Status of enforcement of ban on Single Use Plastic, Status of implementation of BMW Management Rules etc.

The decisions taken in respect of each of the issues are as follows:

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
Issue: Solid Waste Management & Sewage Management Ref: NGT Orders dated 13.04.2023, 16.05.2024 & 12.12.2024 in O.A. No: 606/2018				
1.	UDD/ DMs/ULBs	There exists a gap of 42.53 TPD in waste processing. The estimated solid waste generation is 352.75 TPD, and processing is 310.22 TPD. Individually, each ULB (19 ULBs) generates waste of less than 10 TPD, and existing processing facilities (Dry and Wet) with ULBs should be utilised to bridge the	• Adequate numbers of decentralized Tertiary Solid Waste Processing Plans and Secondary waste recovery plants (MRFs) has been constructed covering all the urban & rural areas to address the gap in Solid Waste Processing/Disposal. • Further, target has been set up for setting up of 264 nos. of Decentralized Composting Pits at Ward/ Market Level and out of which, 174 nos. have already been set up by the concerned ULBs. Moreover,	• The Urban Local Bodies and Urban Development Department shall monitor the functional status of all the solid waste treatment facilities already set up keeping view of the Hon'ble NGT direction. • The ULBs shall complete the construction of the required additional composting facilities within 15th July, 2025. The ULBs shall hold review meeting with the concerned agencies for timely completion of the compost pits.

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
		gap. The report should also disclose that the remaining 10.86 TPD of waste at Agartala is processed in existing facilities being operated for Wet and Dry waste.	additional 848 nos. compost pits have been proposed to address the gap. Till date 538 nos. Pits have been constructed. - There is no gap in solid waste management in the rural areas. - The Departmental Secretaries are regularly reviewing the progress made in ensuring setting up of necessary Solid Waste Processing Plants and Sewage Management systems alongwith other issues.	- Mohanpur MC, Belonia MC, Kailasahar MC, Amarapur MC, Kumarghat MC shall expedite the construction of additional compost pits. - All DMs shall monitor & review the compliance of SWM Rules, 2016 in coordination with the concerned line departments. - All the concerned Departmental Secretaries may review the progress made in setting up of the Solid Waste & Sewage Management plants and other such issues. - All concerned ULBs shall obtain Consent to Establish Certificate, Consent to Operate Certificate and Authorization Certificate from the TSPCB for their existing Tertiary Waste Processing Plants.
2	UDD/ /DMs/ULBs	We find that RDF is being sent to the Cement plants but, details of utilisation and the quantities have not been disclosed. Further, Annexure 7 (page 1495) discloses that RDF is being stored near the dumping yard and waiting for the finalization of the user.	- All the 13 ULBs have remediated their existing Legacy Waste Dumpsite and the RDFs are being sent to the Cement Factory. - All the concerned 13 ULBs have obtained Certificates from the concerned Authority/ Cement factory for the RDF sent to cement factories for disposal.	- The ULBs shall ensure that no fresh/new legacy waste dumpsite be created. Regular scientific disposal of solid wastes and other waste shall be done through the existing facilities. - Concerned DMs shall review the matter on regular basis.
3	UDD/DMs /ULBs /SDM/BDO	It has been disclosed that out of 13 ULBs, remediation of legacy waste has been completed in 12 ULBs except Kailasahar. However, we find that still some waste	- All the 13 ULBs have remediated their existing Legacy Waste Dumpsite and the RDFs are being sent to the cement Factory. - Most of the ULBs have taken initiatives for plantation in the remediated dump sites.	- The UDD and all ULBs shall take necessary initiatives to ensure that scientific waste processing by utilizing their fully operationalized SWM facilities. - The UDD & ULBs may take necessary initiatives to obtain Third Party Certification

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
		is remaining unprocessed which must be adding to legacy waste. Further, no status of remediation in other ULBs like Kamalpur, Mohanpur, Ranibazar, Teliamura and Jirania has been provided. We direct that remediated sites should be restored, and no legacy waste should remain in any ULB.		regarding remediation of the Legacy Waste within July, 2025. In this regard, the NEERI or such organization may be approached. • Plantation/Gardening shall be developed in the reclaimed lands of remediated dumpsites. Proper record alongwith photographs shall be kept for future references. The Forest Department shall provide the saplings as per the requirements. All 13 ULBs where the Legacy Dumpsites have been remediated must ensure proper utilization of the recovered land before July, 2025. • All the DMs/SDMs/CEOs/EOs/BDOs shall take necessary initiatives so that all the Solid Wastes are being treated in the existing treatment plants to ensure that no fresh legacy waste dumpsites created again.
4	UDD/ /DMs/ULBs/ ASLC/TUDA	Estimated sewage generation is 82.4 MLD and utilised capacity is 17.4 MLD leaving a gap of 65 MLD. At Agartala gap is 43.6 MLD which will be bridged by undertaking operationalising STPs of 39.5 MLD. However, we do not find the performance of the two STPs being operated at Chandanimura and Akhaura.	• Total Sewage Generation is 82.4 MLD and total treatment facility operational is 17.40 MLD. • Total treatment facility under construction/proposed is 71 MLD Status of Existing/Under construction: • 8 MLD STP at Chandinamura AMC already operational. • 8 MLD STP at Akhaura ICP, Agartala constructed and presently operational. • 1.4 MLD <i>In-Situ</i> Nalla Treatment at AMC area is completed and functional. ➤ New proposal: • 31.5 MLD STP at Katakhal & Kalapania Khal of AMC -	• Regular monitoring of the treated waste water discharged from the existing STPs shall have to be done to check the compliance of the STPs. • Full capacity utilization of the existing capacities of the STPs shall be ensured. • Necessary action shall be taken by the concerned ULBs for timely completion of the STPs/Bioremediation Works and works of oxidation ponds. • ULBs shall organize weekly review of ongoing projects of STP/ In-Situ Nalla/Oxidation Ponds with the engaged agency and resolve any local

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
			work order has already been issued and works started. ➤ 5 MLD STP (Kalapania Khal): Piling work for SBR Basin -1 & 2 completed. Casting of pile cap is in progress. ➤ 10 MLD STP (Katakhal): SBR Basin-1 & 2: 4th lift complete. Admin building pile cap and beam Completed ➤ 15 MLD STP (Katakhal): SBR Basin - 1 & 2 completed. Top beam casting in progress. Inlet wall work in progress ➤ 1.5 MLD STP(Katakhal): Work yet to start. Target Completion date is 31st July, 2025. • 8 MLD STP is taken up (Katakhal & Kalapania Khal) and work order has been issued. Primary works started. Target date of completion is June, 2025 • 16.5 MLD STP in 11 ULBs – Total works has been divided in 4 packages. Civil work is going on in some places. Target date of completion is 31st July, 2025 for 4 ULBs and 31st December, 2025 for remaining ULBs. [Ranirbazar, Mohanpur, Belonia, Melaghar, Udaipur, Kumarghat, Kailasahar, Dharmanagar, Ambassa, Khowai, Teliamura]	issues promptly. • TUDA shall review the ongoing projects of STP/ In-Situ Nalla/Oxidation Ponds going on in 19 ULBs and resolve any issue promptly. • TUDA shall prepare and circulate work progress schedule with timeline bar chart to agencies who are engaged for construction of STP/ In-Situ Nalla/Oxidation Ponds.

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
			• Bioremediation work at Bishalgarh MC and Kamalpur NP is going on. Further, Bioremediation work at Panisagar NP, Sabroom NP, Jirania NP, Sonamura NP, Santirbazar MC and Amarpur NP is under progress. • Presently, two STPs are operational under AMC. Regular monitoring of the treated waste water is being conducted by the TSPCB. • The occupiers /operators of the STPs are conducting analysis of the treated waste water on regular basis.	
5	UDD/ULBs/DMs	As per information disclosed on page 1462, 21.4 MLD of sewage will be treated by 19 ULBs but, kind of approach will be followed, has not been disclosed.	• The UDD and all the ULBs have taken necessary initiatives to mitigate the gap in sewage management through construction of STPs of adequate capacities / In-situ Nala Treatment and oxidation ponds. Further, necessary initiative will be taken in compliance with the Direction of the Hon'ble NGT.	• UDD and all ULBs shall take necessary initiatives in time bound manner to execute the proposed sewage treatment plants/ oxidation pond/In-situ Nalla Treatment. • All DMs/SDMs shall monitor & review the construction of necessary sewage management systems in rural areas as well as urban areas in coordination with the concerned line departments.
6	UDD/ULBs	We find that the Letter of Commencement of Work placed as Annexure 11 (pages 1516 - 1523) awarding sewage management works for ULBs (Ranibazar, Mohanpur, Dharmanagar, Kailasahar, Kumarghat, Khowai, Ambasa, Teliamura, Udaipur, Melonia and Melaghar) do not	• Necessary initiatives have been taken by the all Concerned Departments/Bodies.	• UDD/ all ULBs shall take necessary initiatives to specify/declare specific timelines for completion of the sewage management plants and shall also provide the details of facilities to be built and operated for sewage management. • The progress made in sewage management shall be documented properly for future references.

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
		specify timelines stipulated for completion and details of facilities to be built and operated.		
7	TSPCB	We find that the provisional CTO granted by TSPCB on 18.11.2024 is not specific as it does not disclose the capacity of STP, its location and other operating conditions. We also find CTO does not disclose Standards prescribed for compliance and the final mode of disposal of treated sewage effluents.	The TSPCB has already made necessary addendum in the Consent to Operate Certificate issued in favour of the 8 MLD STP at Akhaura ICP.	Regular inspection/ monitoring shall be done to check the compliances of the conditions imposed during issuance of the Consent to Operate Certificate.
8	UDD/ /ULBs/ TSPCB	We find that in-situ nala remediation is going to be executed at Bishalgarh, Kamalpur, Sonamura, Santir Bazaar, Panisagar, Sabroom, and Jirania. However, it is not disclosed how much quantity of sewage/ sullage will be remediated, the quality of sewage and the standards to be met. It should also be required that TSPCB stipulate standards to be complied and recognise the contemplated methodology.	Necessary initiatives are being taken to quantify the sewage/ sullage to be treated through upcoming In-Situ Nala Remediation process. The quality of sewage and the standards to be achieved will be monitored by the TSPCB.	- All concerned ULBs shall take necessary steps to quantify the sewage/ sullage to be treated through upcoming In-Situ Nala Remediation process. - The quality of treated sewage and the standards to be met by the upcoming In-Situ Nala Remediation shall be monitored by the TSPCB. - The TSPCB shall stipulate standards to be complied and recognise the contemplated methodology upcoming In-Situ Nala Remediation process.
9	UDD/ULBs/ DMs/PWD(DWS)/ Finance/ RDD	Against the ring-fenced amount of Rs 282.58 crores, expenditure amounting to Rs	The concerned Departments have taken necessary initiatives for appropriate allocation of funds to each ULB for bridging the gap in	All concerned departments shall incur the necessary expenditure to create facilities for Solid Waste Management and

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
		184.95 crores has been incurred. We find that appropriate allocations should also be made to each ULB for bridging the gap in sewage and solid waste management.	sewage and solid waste management.	Sewage Management from the Ring-Fenced amount at the earliest.
10	UDD/ULBs/DMS/PWD(DWS)/DSTE/TS PCB/Finance/RDD	Let a fresh action taken report be filed by the State of Tripura covering the aspects noted above at least one week before the next date of hearing by way of affidavit through e-filing. The matter will be listed again on 16.09.2025 for consideration of report in respect of State of Tripura.	All concerned Departments/Organization shall take necessary initiatives in compliance with the direction of the Hon'ble NGT and submit the Action Taken Report accordingly.	Fresh action taken report be filed by the State of Tripura covering the aspects noted above at least one week before the next date of hearing by way of affidavit through e-filing.
Issue: Plastic Waste Management as per Plastic Waste Management Rules, 2016 and amended till date Ref: NGT order dated 06.12.2019 in OA No.247/2017				
11	DMS/SPs/SDMs/SDPOs/BDOs/ULBs/ I & C/TRLM/TULM/ICA/DSTE/TSPCB	Enforcement of ban imposed on the use Identified Single Use Plastic Items	- Hon'ble Chief Minister has launched "<i>Plastic Mukta Tripura Abhijan</i>" on 15.07.2023. - DMs, SDMs & ULBs are conducting raids and imposing penalty on violators. - Extensive awareness activities involving ICA & Education Department is being carried out in all the districts. - Workshops and other IEC activities are being conducted by the TSPCB on regular basis. - Tripura Industrial Investment Scheme has been launched wherein provision for incentives are there for alternatives of SUP producers recyclers of plastic waste. - SHGs under TRLM are making	- All concerned shall take necessary initiatives for strict & effective enforcement of the ban imposed on the use of Identified Single Use Plastic Items in the State and emphasis shall be given to the stockist and godowns where the bulk prohibited SUP items may be kept for selling. - All concerned shall submit the monthly report regarding enforcement in the prescribed format to the TSPCB. - The UDD shall convene a meeting with the Merchant Association, Bazar Committees, Commissioner of Taxes and other stakeholders for elimination of SUP items in the State. - Regular IEC activities shall be carried out to sensitize all

Sl. No	Responsible Department	Observation made by the Hon'ble NGT	Progress as on Date	Decision taken in meeting of 45 th State Level Committee held on 21.06.2025
			paper plates, cups, pottery-based utensils, jute bags and cloth bags. Selling point of alternatives of SUP items is functional An amount of Rs. 24700/- has been realized as Pollution Cost from the violators during enforcement drive during the month of April, 2025.	section of the society for elimination of the SUP items.
Issue: Bio Medical Waste Management as per Bio Medical Waste Management Rules, 2016 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 is Disposed on 18.01.2021)				
12	Health & Family Welfare/ TSPCB/NHM/DHS	Operational status of Common Bio Medical Treatment Facility (CBWTF)	- First phase trial run already completed in Anandanagar, Narsingarh and Gandhigram PHC under West Tripura District successfully. At present 2nd phase trail run will be conducted in 2 PHCs of each district from 1st July 2025 to 31st July 2025. - Regular Monitoring is being carried out by State and District level teams at difference Health care facilities to monitor the BMW management process and necessary corrective measures are done on spot. - Necessary initiatives have been taken for proper treatment of Sewage as well as liquid wastes before discharge.	- Bar coding system for collection/ transportation of BMW is to be implemented at the earliest throughout the State. - Regular monitoring and enforcement drive shall be conducted to ensure proper segregation, collection and disposal of BMW generated from the HCFs and also to check the operational status of the CBWTF at DC Nagar. - The remaining bedded Health Care Facilities shall take necessary initiatives for proper treatment of Sewage as well as liquid wastes before discharge.

Sd/-
(Jitendra Kumar Sinha, IAS)
Chief Secretary, Govt. of Tripura
&
Chairman, State Level Committee

ANNEXURE-I**List of Participants in 45th State Level Committee Meeting held
on 21/06/2025**

Sl. No.	Name, Designation & Department
1.	Sri J.K. Sinha, Chief Secretary, Govt. of Tripura
2.	Sri R. K. Shamal, PCCF & Principal Secretary to the Govt of Tripura, Forest Department, Tripura
3.	Sri C. Murti, Principal Secretary to the Govt of Tripura, Science, Technology & Environment Department, Tripura
4.	Sri P.K. Chakravarty, Secretary to the Govt. of Tripura, ICA Department, Tripura
5.	Sri Abhisek Singh, Secretary to the Govt. of Tripura, Power & Urban Development Department, Tripura
6.	Dr. K. Sasikumar, Chairman, Tripura State Pollution Control Board
7.	Sri Apurba Roy, Secretary to the Govt. Of Tripura, Finance Department, Tripura
8.	Sri M. Rajamurugan, ADGP, PHQ, Home (Police) Department, Govt. of Tripura
9.	Sri Mahender Singh, Director, Science, Technology & Environment, Govt. of Tripura
10.	Sri Prashant Badal Negi, MD, NHM, Govt of Tripura
11.	Sri Rajib Majumder, Chief Engineer, PWD(DWS), Govt. of Tripura
12.	Sri Subhash Ch. Das, Director (I/C), I & C Department, Govt. of Tripura
13.	Sri S. Biswas, Dy Secretary, CMS & RD, Govt. of Tripura
14.	Sri Arup Deb, Jt. MD, NHM, Govt. of Tripura
15.	Dr. Bishu Karmakar, Member Secretary, Tripura State Pollution Control Board
16.	Sri Abhijit De, DCF (FCA), Forest Department, Govt. of Tripura
17.	Smt. Sutirtha Paul, Jt. Director, I & C Department, Govt. of Tripura
18.	Sri Babu Basfore, Asst. Engineer (Mech.), AMC
19.	Sri Dipak Rudra Pal, Jr. Scientist, Tripura State Pollution Control Board
20.	Representatives of Other Line Departments/Organization.



Tripura State Pollution Control Board
(A Statutory Organization Under Government of Tripura)
Department of Science, Technology & Environment



LIFE
Lifestyle for
Environment



No. F.13(23)/TSPCB/NGT/606/Pt-II

dated 27.06.2025

To

1. Principal Chief Conservator of Forest & HoFF, Forest Department, Govt. of Tripura
2. Secretary, Revenue & Public Works Department (Sanitation Part of DWS), Govt. of Tripura
3. Secretary, Finance Department, Govt. of Tripura.
4. Secretary, Education Department, Govt. of Tripura.
5. Secretary, Urban Development Department, Govt. of Tripura.
6. Secretary, PWD (R & B), Govt. of Tripura.
7. Secretary, PWD(DWS), Govt. of Tripura
8. Secretary, ICA Department, Tripura.
9. Secretary, Rural Development Department, Govt. of Tripura.
10. Secretary, Health Department, Govt. of Tripura.
11. Secretary, Agriculture Department, Govt. of Tripura.
12. Additional Director General/Inspector General of Police, Govt. of Tripura.
13. Director, Urban Development Department, Govt. of Tripura.
14. Director, Department of Industries & Commerce, Govt. of Tripura.
15. Director, WSSO, PWD (DWS), Govt. of Tripura.
16. The Chief Executive Officer, TRLM/TULM.
17. District Magistrate & Collector, West Tripura, Sepahijala, Gomati, South Tripura, Khowai, Dhalai, Unakoti & North Tripura District.
18. District Forest Officer, West Tripura, Sepahijala, Gomati, South Tripura, Khowai, Dhalai, Unakoti & North Tripura District.
19. Municipal Commissioner, Agartala Municipal Corporation, Govt. of Tripura.
20. Regional Director, Central Pollution Control Board, Shillong.

Copy to:

1. The PPS to the Chief Secretary, Tripura for kind information of the Chief Secretary.
2. The PS to the Principal Secretary, Department of Science, Technology & Environment, Govt. of Tripura for kind information of the principal Secretary.
3. PA to the Chairman, Tripura State Pollution Control Board for kind information to the Chairman.
4. The Director, Department of Science, Technology & Environment, Govt. of Tripura for kind information.

Signed by Bishu Karmakar

Date: 27-06-2025 19:04:02

(Dr. Bishu Karmakar)
Member Secretary

ANALYTICAL RESULTS OF SURFACE WATER SAMPLES COLLECTED FROM SIX IDENTIFIED RIVER STRETCH OF TRIPURA

Sl. No.	January, 25			February, 25			March, 25			April, 25			May, 25			June, 25		
	BOD	TC	FC	BOD	TC	FC	BOD	TC	FC	BOD	TC	FC	BOD	TC	FC	BOD	TC	FC
S 1	1.2	110	34	1.2	120	34	1.2	110	34	1.3	140	41	1.4	210	49	1.5	210	58
S 2	1.3	150	43	1.4	150	46	1.5	170	58	1.7	220	63	2.1	350	70	2.2	350	84
S 3	1.2	170	48	1.3	210	49	1.4	220	58	1.6	240	63	1.6	240	70	1.8	280	70
S 4	1.2	130	43	1.3	150	46	1.4	170	48	1.6	210	58	1.6	280	58	1.8	280	63
S 5	1.2	110	41	1.2	130	43	1.2	150	46	1.5	170	49	1.4	210	49	1.6	220	58
S 6	1.3	150	46	1.4	170	49	1.5	210	58	1.7	220	63	1.6	240	63	1.8	280	70
S 7	1.8	220	63	1.9	240	63	2.1	280	63	2.4	430	120	2.5	430	110	2.7	430	120
S 8	1.2	110	39	1.2	120	39	1.3	120	41	1.5	220	58	1.8	240	63	2.6	430	120
S 9	1.9	430	58	2.1	430	63	2.3	430	70	2.5	540	210	2.9	540	280	3.1	920	430
S 10	1.7	220	58	1.8	240	58	1.9	280	58	2.5	430	110	2.6	350	110	2.8	430	130
S 11	1.2	150	46	1.3	170	48	1.4	170	48	1.4	280	70	1.5	280	70	1.7	350	84
S 12	1.1	130	43	1.2	150	48	1.3	170	48	1.5	280	63	1.5	350	63	1.6	350	70
S 13	1.1	110	41	1.2	130	48	1.3	130	48	1.5	210	58	1.7	220	58	1.8	240	58
S 14	1.2	170	43	1.3	210	48	1.3	220	49	1.8	240	49	1.9	240	58	2.1	280	63
S 15	1.2	120	43	1.3	130	47	1.4	170	47	1.6	210	49	1.6	220	58	1.8	240	58
S 16	1.2	150	48	1.3	170	48	1.4	210	49	1.6	280	63	1.8	280	70	1.9	350	70
S 17	1.1	110	41	1.2	120	48	1.2	130	46	1.4	210	48	1.6	280	70	1.7	350	84
S 18	1.2	110	38	1.2	110	39	1.2	120	46	1.3	170	48	1.3	210	58	1.4	220	58

*BOD = Bio Chemical Oxygen Demand, TC = Total Coliform, FC = Faecal Coliform

Site of Collection

S-1: Gomti River at Jatanbari, S-2: Gomti River at Sonamura, S-3: Gomti River at Rajdharnagar, S-4: Gomti River at Amarpur, S-5: Gomti River at Tirthamukh, S-6: Gomti River at Subhashsetu, S-7: Burigaon River at Bishalgarh, S-8: Haora River at Chandrapur, S-9: Haora River at Dashamighat, S-10: Haora River at Aralia, S-11: Haora River at Kalabagan, S-12: Haora River at Joynagar, S-13: Manu River at Kailasahar, S-14: Khowai River at Trishabari, S-15: Khowai River at Kumari Madhuti setu, S-16: Khowai River at Chakmaghat, S-17: Khowai River at Karailong, S-18: Juri River at Krishnapur.

A. Materials and Methods

Surface water samples from the six identified river stretches of Tripura were collected on monthly basis. The collected samples were analyzed in the laboratory of TSPCB using the standard methods given in **APHA, 2012** (American Public Health Association).

B. Observations

From the analytical results it has been observed that, among the six identified rivers stretches in Tripura, 5 stretches having BOD, Total Coliform & Faecal Coliform values were within the prescribed standard limit of CPCB for Class-B (Water for Outdoor Bathing). The BOD and Total Coliform values of one river stretch that is Haora River were slightly beyond the prescribed standard limit of CPCB for particular one location (Dashamighat, Haora) for the month of June, 2025.

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(Gautam Ghosh) 01/08/25
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(GAUTAM GHOSH)
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Rajib Paul
(Dr. Rajib Paul) 01/08/25.
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