

National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs
For the State of Assam/UT (for the month of January, February, March, 2023)
(Hon'ble NGT in the matter of OA No.673/2018 dated 24.09.2020)

Overall Status of the State:

I	Assam	
	Total Population	
	Urban Population and Rural Population	Total Population of Guwahati: 12 Lakhs (Approx) Total Population of rest of the ULBs : 24,46,576.00 Lakhs
	Estimated Sewage Generation (MLD)	All ULBs-435.53 MLD + 1.7 MLD (generated by hospitals in Guwahati city) = 437.23 MLD

III

Details of Sewage Treatment Plant:	
No of polluted river stretches identified by CPCB in Assam-9nos, 7 in Urban area (5 remain in Guwahati) Process for construction of 18 STPsis in process. As per PCBA, there is no requirement of STP in any of the polluted Water Body under P&RD Deptt.	
Existing no of STPs and Treatment Capacity (in MLD) :	31nos with treatment capacity of 2.4 MLD (Setup by Hospitals in Guwahati City) List at Annexure-III
Capacity Utilization of existing STPs: MLD of sewage being treated through Alternate Technology:	100% -
Gap in Treatment Capacity in MLD:	100%
No of Operational STPs:	31 with treatment capacity of 2.4 MLD(set up by Hospitals in Guwahati)
	Guwahati-3 nos. –SilsakooBeel((65MLD), BorsolaBeel(62 MLD) and PaschimBoragaon(60 MLD). Rest of the ULB- 15 nos. Nagaon((2MLD)(SOPD), under SBM 2.0-Mangaldoi(1.5 MLD), Tezpur (6 MLD), Jorhat (6.50 MLD),, Tinsukia (12 MLD),Dhubri (4MLD) ,Bongaigaon (8.50 MLD). Sivasagar MB,Golaghat MB, Karimhganj MB, MargheritaMB, Mariani MB, Nalbari MB and under AMRUT 2.0DibrugarhMB and Silchar MB (2MLD)
No of Complying STPs:	
No of Non-complying STPs:	

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Operational Status of	Compliance Status of STP
Nil	Nil			

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Status of Project (at DPR Stage/Under Tendering/Work to be Awarded)	Likely Date of Completion
GUWAHATI- STPS at Borsola, SilsakoPachimBoragaon :Revised MoD has been finalized in the review meeting held with JICA dated: 14.10.2022 and submitted to EAP cell for concurrence. As Govt. of Assam share is approx. 65 %, options are explored for implementation of the project to ease the financial burden on Govt. of Assam. A meeting in this regard was held with DEA, GoI on 20th March and 24th March,2023 and it was decided that JICA will prepare an Aide Memoire revising Para 18 of MoD.				
REST OF THE ULBS- STP at Nagaon (2MLD) : Construction work in progress(10%).				

Details of proposed STPs in the State

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
1	Silchar	2.00 MLD	Construction of 2 MLD STP cum 10 KLD FSTP and 11 km sewerage network at Silchar will be taken under AMRUT 2.0. Partial DPR prepared . Final DPR preparation under process.	Approximately 2 years after sanctioning the DPR
2	Dibrugarh	7.00 MLD	DPR preparation of 7 MLD STP cum FSTP under AMRUT 2.0 is under process	Approximately 2 years after sanctioning the DPR
3	Jorhat	6.50 MLD	DPR preparation for 6 nos. of STP cum FSTPs in the six towns in the 1st phase under Used Water Component. is under process as per SBM guidelines	Approximately 2 years after sanctioning the DPR
4	Tezpur	6.00 MLD		
5	Bongaigaon	8.50MLD		
6	Dhubri	4.00MLD		
7	Tinsukia	12.00MLD		
5	Mangaldoi	1.5MLD		
N.BUnder Phase 2 of SBM2.0 identification of STP location is done and CSAP submitted and approved for 6ULBs (Golaghat MB- 3 MLD, Nalbari MB-2.5 MLD, Mariani MB-1 MLD, Margherita MB-2.5 MLD, Sivasagar MB-3.5 MLD and Karimganj MB-3.6 MLD) Under Phase 3 of SBM 2.0, preparation of CSAPs ,drainage map for 22 ULBs is under progress. Details of FSTPs in the State (Septic Tank): A total 32 stand-alone FSTP is under planning for implementation in 32 towns. 1 FSTP in Titabor MB (10 KLD) is operational. 1 FSTP (7 KLD) capacity is under construction in Goalpara. The details of FSTP and status are as follows:				
Sl. No.	ULB Name	Capacity of FSTP in KLD Decided by ULB	Estimated Cost (INR, in lakhs)	Status
1	Titabar MB	10	45	Operational
2	Goalpara	7	136	Under construction
3	Barpeta MB	5	90	
4	Barpeta Rd. MB	10	130	
5	Bongaigaon	15	120	
6	Jorhat MB	15	120	
7	Rangia M.B	5	90	

8		Diphu M.B.	10	110	In various stages of tendering	
9		Kokrajhar MB	10	110		
10		Sivasagar M.B	10	110		
11		Tezpur M.B	10	110		
12		Rangapara M.B	10	110		
13		Tangla M.B	5	90		
14		GMC	20	360		
15		Nagaon MB	20	360		
16		Nazira	10	110		
17		Simalguri				
18		Kharupetia M.B.	10	110		
19		Dibrugarh	20	135		
20		Nalbari M.B	10	110		
21		Tinsukia M.B	20	135		
22		N. Lakhimpur M.B	10	110		
23		Golaghat M.B	10	110		
24		Bokakhat M.B	10	110		
25		Digboi M.B	10	110		
26		Silchar	20	135		
27		Karimganj M.B	5	90		
28		N. Guwahati M.B	10	110		
29		Dhemaji M.B	5	90		
30		Mariani MB	5	90		
31		Dhekiajuli M.B.	10	110		
32		Udalguri	10	110		
Total			337	38.66		
8	Kamalpur Beel (Kamrup)	No STP is proposed but as proposed by PCBA, installation of mechanized aerator is suggested	As per the proposal submitted from the Office of the Commissioner, P&RD, Assam vide letter No. CPRD/NGT/22/2020/Pt/545 dated 26.08.2022, the Govt. of Assam has accorded Administrative Approval for an amount of Rs. 3,22,43,339.00 vide AA/PRD-2022-23(I)-13 dated 20-09-2022. The PCBA has consented to execute the project vide their letter dated 01/03/2023 and under process for necessary approval.			NA
9	Pagladia River, Nalbari	As per earlier report of PCBA, Pagladia river is to be omitted from the list of polluted rivers. But no order has been received from NGT till now in this regard. However, PCBA later on has prepared a revised action plan in respect of Pagladia River stretch with remedial activities amounting to Rs.2.90 Crore.	IIT Guwahati has submitted the revised DPR to P&RD Deptt on 14/10/2022 with an estimated amount of Rs.321.72 lakhs. PCBA has vetted the DPR and it is now sent to the Chief Engineer, PWD(B) for Technical Sanction vide letter dated 19.11.2022 by P&RD Deptt.			
10	Kharsang, Panchoi and other 17 polluted river stretches	As per latest MPR of PCBA, Kharsang, Panchnoi and other 17 polluted water bodies are free from pollution at present.	Although MoU have been signed with the IIT, Guwahati for preparation of DPR for treatment of polluted water of Kharsang and Panchnoi river as per resolution of the meeting of the Advisory cum Monitoring Committee for implementation of various projects relating to treatment of polluted river stretches/water bodies in different districts held on 15/06/2022, it is instructed to prepare the detailed action plan by the concerned Chief Executive Officers of Zilla Parishad/PDs, DRDAs with a view to protect the rivers from being polluted as per suggestions in the Action Plan of PCBA. Following action points are suggested in the meeting- (i) prepare a detail Action Plan as per suggestion in the Action Plan of PCBA. (ii) suggested for plantation scheme including Bambo plantation (iii) to make proper plan for solid waste management under Finance Commission Grant in collaboration with PHE department (iv) holding of mass awareness programme on solid waste management (v) local Civil Society Organizations may be involved in implementation and awareness campaigning.			
CPRD, Assam has also been requested to communicate with IIT – Guwahati for furnishing of the estimated cost for preparation of DPR for remaining 17 nos. of polluted river stretches under priority V.						

IV

<u>Details of Industrial Pollution:</u>			
No of industries in the catchment area of polluted stretches:		309	
No. of water polluting industries in the catchment area of polluted stretches :		309	
Quantity of effluent generated from the industries in the catchment area of polluted stretches in MLD:		14.29	
Quantity of Hazardous Sludge generated from the Industries in the catchment area of polluted stretches in TPD:		27.63	
Number of industrial units in the catchment area of polluted stretches having ETPs:		309	
Number of industrial units connected to CETP:		Nil	
Number of Existing ETPs in the catchment area of polluted stretches		309	
Number and total capacity of ETPs (details of existing/under construction/proposed)		30.70MLD	
Compliance status of the ETPs		complying	
Number and total capacity of CETPs (details of existing/under construction/proposed		Nil	
Status of compliance and operation of the CETPs		NA	
Status of compliance and operation of the CETPs		NA	
Town	No.of industries	Industrial discharge	Status of CETPs (existing, under construction & proposed)
Nil	Nil	Nil	Nil

V

Solid Waste Management :

Total number of Urban Local Bodies and their population	GUWAHATI- 01 ULB & Population – 12 Lakhs REST OF THE ULBs- 95 ULBs & Population- 24,46,576. RLBs: 2197+34 (Block of 6th scheduled area)=2231 Population: 26807034	
Current Municipal Solid Waste Generation	GUWAHATI- 550 TPD(tonnes per day) REST OF THE ULBs- 688 TPD	
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	For Guwahati	
	Description	Remarks
	Waste to Energy (Tonnage and Power output)	Biomethanation plant running at Chetribari: Capacity 5.0 TPD. Output-800 unit- The Plant is operational.
	Compost Plants (Windrow, vermin, decentralized pit composting)	a) Organic Waste Converter, Capacity: 2.5 TPD(one No),Bhangagarh,Running. b) A 150 TPD compost cum RDF Plant at Belortol started by GMC. The technology involved is to produce compost and Refuse Derived Fuel from the mixed waste. Installation is under process, current capacity 50 TPD. progress.
	Biomethanation	Biomethanation plant running at Chetribari: Capacity 5.0 TPD. Output-800 unit-operational.
	MRF	MRF cum Refuse Transfer Station(RTS) is functioning at 1) Zoo Road, 2) Near GMCH Bhangagarh, 3) VIP Road, 4) Chatribari. MRF of 10 TPD capacity at Adabari is under construction in association with HDFC Bank
	REST OF THE ULBs- Detail is attached at Annexure I.	
Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)	GUWAHATI- Gap is > 10%. GMC :GMChas initiated bidding process for setting up of Garbage Transfer Station cum MRF at three locations:1) Adabari, 2) old Jail Campus, 3) Madgharia. Process for setting up another RTS at Purabi dairy complex has been initiated. Action plan prepared by the consultant engaged by GMC to bridge the gap between installed capacity and current utilization of processing facilities under SBM. REST OF THE ULBs-To bridge the gap between Installed Capacity and Current Utilization of processing facilities, all ULBs have prepared City Solid Waste Action plan under SBM 2.0	
No. and capacity of C &D waste processing plants in TPD (existing, proposed and under construction)	GUWAHATI-100 TPD C&D waste processing plant has been proposed under National Clean Air Programme. Land has been identified, DPR preparation is in progress. REST OF THE ULBs-Nil	
Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source	Total number of wards under P&RD Department : 21970+414VCDC+41MAC+40VDC=22465 No of wards having door to door collection service -99, No. of wards practising segregation at source-99.	
	For Guwahati	
	Description	Remarks
	Total no. of wards	60
	No. of Wards having door to door collection service practicing segregation at source	Door to door collection : 60 Wards.
		• The segregation of waste at source in the city is approximately 30-40%. • GMC has engaged 86 nos. of NGOs/ALFs for D2D collection of waste. • These NGOs have been equipped with Auto trippers to carry waste. • The Divisional Engineers hold meetings with NGOs for better performance. Currently conservancy and solid waste from road is collected in three shifts. • Further, GMC has selected Ward nos-1,2,8,33,42,44,48 as model ward for implementation of integrated solid waste management along with 100 % segregation and collection along with decentralization processing within the ward. GMC has already implemented 100% collection of waste at Model Ward-48 REST OF THE ULBs- Total wards : 1083. Door to door collection : 1079 wards Source segregation: 532 wards. 2 Model Villages had been notified in each
	2 Model Villages had been notified in each	
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	For Guwahati	
	Description	Remarks
	Biomethanation	60 TPD Bio-Methanation Plant Proposed at Adabari in City Solid Waste Action Plan (CSWAP) under SBM 2.0
	Organic Waste Converter	Nil

	Composting	A 150 TPD compost cum RDF Plant at Belortol started by GMC. • The work awarded to M/s Geron Engineering Pvt Ltd. • The technology involved is to produce Compost and RDF from the mixed waste. • Currently 20+30 TPD of MSW is being processed by two pairs of Trommels installed by M/s Geron Engineering Pvt. Ltd. • Installation process is going on to make the plant fully functional. Three Modern RTS cum MRF centre are proposed in the following locations: 1. Adabari-150 TPD waste handling capacity cum 100 TPD Material Recover Capacity. 2. Old Jail Campus: 150 TPD waste handling capacity cum 100 TPD Material Recovery Capacity. 3. Mathgharia : 75 TPD waste handling capacity cum 25 TPD Material Recovery Capacity. Procurement process is going on for the above mentioned RTS cum MRF
	(a) Detail of MSW treatment facility proposed at GP level =2197 (b) Detail of MSW treatment facility proposed at village level=21546 (i) completd : 1500, (ii) Under construction :1935	
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	GUWAHATI- Dumpsite : 1 no. Area of Dumpsite : 121 Bighas or 16.19 Hectare at Village PachimBoragaon: • This Dump site has been closed as per orders of Hon’ble NGT in OA No. 472/2018(Rohit Choudhury Vs. Union of India &Ors) in the month of August, 2021. • Presently the Solid waste is transferred to Belortol. • Treatment of Legacy waste started from January, 2021 till now 3.61 Lakh Tonnes treated. • Biomining of remaining legacy waste work has been allotted to M/S Zigma Global Environ Solutions Pvt. Ltd amounting to rs. 172.5 crores as per Administrative Approval from Govt. • Set up of plant has been completed by the consultant. • M/S Zigma Global Environ Solutions Pvt. Ltd has processed 25695 Tonnes till March,2023. The plant is fully functional. REST OF THE ULBs- At present there is no such landfill.	
No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers	GUWAHATI- Nil. REST OF THE ULBs- 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	GUWAHATI- No of drains falling into the river: 39. 39 nos. of garbage traps on these have been installed at various places. REST OF THE ULBs- Intersection and Diversion(IND) is being identified by the ULBs and data is in the process of collection. Lakhimpur ZP: 1 drain falls in Boginodi River 6 drains fall in Ronganodi River 9 drains fall in Dikrong River	

Status of ULB wise Managemnet of Solid Waste

	ULB	Total MSW Generation in TPD	Total MSW being processed	Existing MSW facilities	Utilization capacity of the existing MSW	Proposed MSW facilities & completion timeline
				• Centralized Plant-67 Nos. • Pit Composting- 55000 Nos. • MRF- 144 Nos.		3 nos. will be completed by end of April, 2023
	95 nos	688	361		918	
*Note: Segregated Waste is being collected only from 49% of the wards which leads to more Mixed Waste collection and hampering the maximum utilization of the existing processing facilities. On improvement of segregation of waste at source, the processing percentage will be increased.						

VI Bio-medical Waste Management :

Total Bio-medical generation:	2195.98KG/day
No. of Hospitals and Health Care Facilities in the catchment area of polluted stretches	85
Status of Treatment Facility/CBMWTF:	2 Operational (CBWTF) located at Lamkhani, Guwahati which covers Kamrup, Kamrup (M), Nalbari, Baksa, Nagaon and Morigaon districts). M/s Ksepya Environment Management Private Limited has been granted CTO by PCBA for operation of CBWTF at Kohora Pather, NH-31, Barpeta.

VII Hazardous Waste Management :

Total Hazardous waste generation in the catchment area of polluted stretches:	98.2 TPD (utilized, treated and disposed by the occupiers themselves)
No. of Industries in the catchment area of polluted stretches generating Hazardous waste	14nos.
Treatment Capacity of all TSDFs	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Nil

Details of on-going or proposed TSDF	New location for TSDF has been identified by the Government of Assam in Dibrugarh District and PCBA has initiated the bid process for selection of developers for TSDF. RFP has been received from shortlisted bidders and evaluation of the same is under process. Presently most of the incinerable hazardous waste is being sent to Dalmia Cement Plant for co-incineration. Few industries have also installed captive SLF for disposal of hazardous waste.
--------------------------------------	---

VIII **Plastic Waste Management :**

Total Plastic Waste generation:		Rest of ULBs- 43 TPD GUWAHATI- 120TPD				
Treatment/Measures adopted for reduction or management of plastic waste		For Guwahati				
		(i) Single use plastic has been banned in the city.				
		(ii) Enforcement squads have been formed to enforce the ban and seizure of the single use plastic and for imposing penalties. Drives made by Deputy Commissioners/Collectors, GMC from time to time.				
		(iii) Registration of rag pickers collecting plastic, recycles of collected plastics, Recyclers of collected plastics are under process.				
		REST OF THE ULBs- Plastic wastes generated in ULBs are managed through Recyclers/rag pickers, MRFs, Cement Plants and construction of roads.				
		P&RD Deptt- Construction of Mini Material Collection Facility (MMCF) in every village and Material Collection Facility (MCF) in every GP have been proposed under 15th FC tide grant, The work is under process. One Plastic management unit at Block level in each block is also proposed to be installed in convergence with PHED under 15th EC tied component.				
Details of Alternate Treatment Technology being adopted by the State/UT		◦ In Lakhimpur ZP, litter bin has been provided to collect plastic waste in model village. Further, one plastic store house at each model village has been constructed to gather the plastic waste collected at the litter bin.				
Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		Guwahati: Identification process will be initiated with SPCB. REST OF THE ULBs :Instructions were issued to all ULBs and data is under process of collection. ◦ In Kamrup ZP,1 drain falls in Kamalpur Beel ◦ In Nalbari ZP,1drain falls in Pagladia River ◦ In Lakhimpur ZP, 1drain falls in Boginodi River, 6 drains falls in Ronganodi River and 9 drains falls in Dikrong River. ◦ In Kamrup (M) ZP, Parashali Beel and the drain polluting this Beel is identified i.e. a drain from Jeng beel and a channel from Jagiroad contributing the pollution. ◦ In Sivasagar ZP, Rs.8.56772 lakhs has been sanctioned for cleaning the Tengapukhuri Beel at GP level under MGNREGA (Rs.6.00 Lakhs and 14th FC (Rs.2.56772 Lakhs) ◦ In Tinsukia ZP, action is initiated for Digboi river by Borbil GP taking scheme like “Excavation and cleaning of Digboi river under MGNREGA “ and under 14th FC “Pavers Block Road cum Protection of Pather Basti for stopping the flow of water to the Paddy field.				
Details of Nodal Officer appointed by Chief Secretary in the State/UT		Principal Secretary to the Govt. of Assam, Environment & Forest Department				
Details of meeting carried under the Chairmanship Chief of Secretary in the State/UT:		The Chief Secretary, Assam has been regularly reviewing the Progress in the matter and expedite implementation of all Action Plans.				
Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:		Priority	No. of stretches declared in 2018	No. of stretches in 2019 (Jan to Dec, 2019	No. of stretches in 2020 ((Jan to Dec, 2020)	No. of stretches in 2021 (Jan to December, 2021)
		Priority-I	3	5	3	1
		Priority-II	1	-	1	3
		Priority-III	4	-	1	1
		Priority-IV	3	-	-	-
		Priority-V	33	9	1	4
		Not Polluted	-	30	38	35
		Total	44	44	44	44
		Detailed status of water quality of polluted river stretches in Assam (January,2023 to March, 2023) is at Annexure-IV Action will be taken as per SBM 2.0 under DoH&UA.				
Ground water regulation		As per previous report				
Good irrigation practices being adopted by the State:		As per previous report				
Rain Water Harvesting		Guwahati: Yes, made applicable as per Guwahati Building Bye-Laws 2014. These conditions are provided in Building permission wherever applicable as per Building Regulations of 2014. REST OF THE ULBs :Action Plan and Guideline for Rain water harvesting were issued to ULBs. • 3 nos. of ponds under Nagaon GP, under Tinsukia ZP are restored for multipurpose needs. These ponds are used for harvesting rain water for irrigation and agricultural needs and also for breeding fish. • In Dibrugarh, rain water is being harvested through natural/artificial ponds. • In other Zilla Parishads, it is proposed to take up of schemes under MGNREGA/ASEC/15th EC				

XVII	Demarcation of Floodplain and removal of illegal encroachments:	Guwahati: Action taken on unauthorized bridges and removal of encroachment by District Authority and GMC time to time. Presently a joint Survey has started for identification of faulty bridges over rivers in the City. 25 bridges identified for rectification.. To prevent Urban flooding in Guwahati city, the Corporation has taken up activities to clear waterways scientifically in major locations. The following works are currently underway- • Pilot project for cleaning Bahiniriver at Rukminigaon. • Subsequently, tenders were floated and L1 bidder was awarded with contract as mentioned below- a) The contract for cleaning and de-silting of 4(four) major river channels: Bahini river, Bharalu river, Morabharalu channel and Basistawas awarded on 25.01.2023 and cleaning work is going on. b) Cleaning and de-silting of 143 drains of the city is undergoing. c) Cleaning and De-silting of LakhimiJaanis planned. LOI issued to the qualified bidder. • Removal of encroachments along the Bahini river side is going on in war footing. A total 10 bridges which were obstructing free flow of water were demolished by using the powers vested by DDMA.
XVIII	Maintaining minimum e-flow of river	Is being maintained in all polluted river stretches as per report received from the concerned Chief Executive Officers of Zilla Parishad.
XIX	Plantation activities along the rivers:	▪ In Tinsukia ZP, different types of tree plantation are done in the GPs like Na- Sadiya, Nagaon, Amorpur and Shantipur GP areas. But only a few plantation are done along the river bank to protect the soil erosion under Sadiya Dev. Block and under Margherita Dev. Block in Jagun GP plantation scheme is taken under MGNREGA for both side of Kharsang river (Afforestation at Kharsang polluted river stretch, estimated amount:Rs.2,00,000/-). In Kamrup, 4 nos. of plantation schemes has got Administrative Approval under Kulshi River, 1 no. of plantation scheme has been started in Puthimari River, 2 nos. of Plantation Schemes have been started in Satpakhali GP, 1 no. at Amtola Ziakur GP and 1 at Sapartari GP under Rampur AP. • In Nagaon ZP, Schemes for cleaning the Samaguri beel along with plantation is being taken up under MGNREGA, • In Udalguri District, plantation work has been started in Panchnoi River under MGNREGA. Environment and Forest Department, Govt. of Assam planted trees along the Brahmaputra River in Guwahati City area. GMC will prepared an action plan in association with Forest Department
XX	Development of biodiversity park:	Parks are being improved through AMRUT and GMDA. Biodiversity Management Committee has been formed in all Zilla Parishads
XXI	Reuse of Treated Water	Action will be taken as per SBM 2.0 & AMRUT 2.0
XXII	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	The Govt. of Assam, Environment & Forest Department has adopted 'Bharalu river' as 'Model river' vide Notification No.FRM.171/2018/Pt/Vol-I/657 dated 02.03.2022.
XXIII	Status of Preparation of Action Plan by the 13 Coastal States	Not Applicable
XXIV	Regulation of Mining Activities in the State/UT:	Being done by Mines & Minerals Department
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	• PCBA has closed down the erring industries located in the catchment areas of the polluted river stretches. Some of the industries remaining without ETPs are mostly pathological laboratories which generate very small amounts of Waste Water. GUWAHATI- Action initiated and notices served, fines realized under the Guwahati Municipal Corporation Act, 1969 time to time. REST OF THE ULBs- • City level Task force are formed at ULB levels under the Chairmanship of Executive Officer of the Municipal Board and other members from various Departments. • District Level Task Force in every district of Assam has been formed for effective implementation of Plastic Waste Management Rules, 2016(PWMR 2016) and related Action Plan of Government of Assam for elimination of Single Use Plastics in mission mode under the chairmanship of the Deputy Commissioner. • Fines are being charged against the violators from time to time.

Details of MSW facilities & MRF

Sl. No.	MSW processing facility	Nos.	Capacity (TPD)	Utilization (TPD)	Type of processing
1	Centralized Processing Facilities	67	266.03	170	Waste to Compost
2	Decentralized/Vermi/Window/Pit Composting	55000	222	39	Waste to Compost
3	Material Recovery Facility	144	430	152	MRF

Note: Remarks on gap between installed Capacity and Waste Processed.

A) In regards with Utilized processing facilities, following are the details.

Sl. No.	Name of the ULB	Wet Waste Generated	Wet Waste Processed	No. of Centralized Plant	Total Capacity of Centralized Plant	Utilization Percentage		Remarks
						In respect of Waste Generated	In respect of Plant Capacity	
1	Abhayapuri MB	1.9	0.63	1	2	33.16%	31.50%	
2	Bongaigaon MB	10.5	6	4	6	57.14%	100.00%	
3	Dibrugarh MB	35	14	1	70	40.00%	20.00%	
3	Hailakandi MB	2.4	1.7	3	5	70.83%	34.00%	
4	Jorhat MB	19.5	1.8	3	16.5	9.23%	10.91%	
5	Kokrajhar MB	6.27	4.6	2	17.4	73.37%	26.44%	
6	Morigaon MB	4.4	1	1	0.5	22.73%	200.00%	
7	Palashbari MB	0.7	0.6	1	4	85.71%	15.00%	
8	Silchar MB	45	20	5	42	44.44%	47.62%	
9	Sibsagar MB	8	4	1	10	50.00%	40.00%	
10	Tezpur MB	12.3	10	3	51	81.30%	19.61%	
11	Tinsukia MB	22.28	15.4	4	22.63	69.12%	68.05%	
12	Titabar MB	1.1	0.4	1	0.5	36.36%	80.00%	
	TOTAL	169.35	80.13	30	247.53	47.32%	32.37%	

N.B: 37 nos of Organic Waste Converters of capacity 0.5 TPD each, total capacity- 18.5 TPD are made operational in 29 ULBs for processing of wet waste (attached as Annexure-II).

B) Decentralized Plants: 55000 nos. Total Capacity: 222 TPD Utilization: 39 TPD

As instructed by the National Mission Directorate of SBM (U) during V.Cs and Webinar, Mission Directorate of SBM (U), Assam has been concentrating and encouraging household backyard Composting with different advertisements and publicities under IEC. Presently, there are 55000 nos. of such households’ backyard composting with total intake capacity of 222 TPD. These Pits are designed for collection of 10 days' wet waste. It takes 10 days to complete 1 (one) cycle of Composting. As such, total treatment done per day is 39MT.

C) Material Recovery Facility: 144 nos. Total Capacity: 430 TPD. Utilization: 152 TPD, management/treatment of dry waste depends on quantity of daily collection of dry waste. At present, on an average 152 TPD of dry waste has been managed.

Organic Waste Converters Operational

Annexure-II

Sl. No.	Name of ULBs	Quantity (Nos.)	Capacity	Status
1	Barpeta MB	1	0.50	Operational
2	Barpeta Rd. M.B.	1	0.50	Operational
3	Bilasipara M.B.	1	0.50	Operational
4	Chapar MB	1	0.50	Operational
5	Dergaon MB	1	0.50	Operational
6	Doomdoooma M.B.	1	0.50	Operational
7	Gauripur M.B.	1	0.50	Operational
8	Goalpara M.B.	2	1.00	Operational
9	Golaghat M.B.	1	0.50	Operational
10	Jorhat M.B.	2	1.00	Operational
11	Nagaon MB	3	0.50	Operational
12	Rangia M.B.	1	0.50	Operational
13	Sivasagar MB	2	1.00	Operational
14	Dhubri MB	2	1.00	Operational
15	Digboi M.B.	1	0.50	Operational
16	Hojai MB	1	0.50	Operational
17	Margherita M.B.	1	0.50	Operational
18	Nalbari M.B.	1	0.50	Operational
19	Lanka MB	1	0.50	Operational
20	Bokajan MB	1	0.50	Operational
21	Kajalgaon MB	1	0.50	Operational
22	Moriani M.B.	1	0.50	Operational
23	Silapathar MB	1	0.50	Operational
24	Sonari MB	1	0.50	Operational
25	Dhekiajuli MB	1	0.50	Operational
26	Lumding MB	1	0.50	Operational
27	North Lakhimpur MB	2	1.00	Operational
28	Mangaldoi MB	1	0.50	Operational
29	Karimganj MB	2	1.00	Operational
	Total	37		

Under Construction MSW facilities
in the ULBs of Assam

Annexure-III

Sl. No.	MSW treatment facility	Nos.	Designed Capacity (TPD)	ULB Name	Under Construction/ Proposed
1	Waste to Compost	2	1	Diphu M.B.	Under Construction
2	Waste to Compost	1	0.5	Haflong M.B.	Under Construction
	Total	3	1.5		

REPLY SUBMITTED OF THE HOSPITAL/NURSING HOME REGARDING DETAILS OF STP AND SEWAGE DISPOSAL SYSTEM

SL No	NAME OF HOSPITAL/NURSING HOME	Status of existing STP	Year of Installation	Technology used in the STP	Daily waste water generated	Capacity of STP	% age of waste water treated in STP	% age of treated waste water recycled	% age of treated waste water disposed
1	Apollo Hospital Guwahati Unit : International Hospital, Lotus Tower, G. S. Road, Guwahati	Yes	2019	Yes	0.05 MLD	0.16 MLD	100%	NIL	100%
2	M/s Guwahati Lions Eye Hospital, K. C. Choudhury Path, near K. C. Das Commerce College	Yes	2014						
3	Satribari Christian Hospital, K. C. Road, Guwahati	Yes	2016	Yes	45000 liters/day	60000 liters/day	100%	10%	90%
4	North Eastern Medical Research Institute Limited Brand Name : Arya Hospita,. A. M. Road, Rehabari, Guwahati	Yes	2017	Yes	0.02 MLD	0.04MLD	100%	NIL	100%
5	Marwari Hospitals, Sati Jaimati Road, Athgaon, Guwahati	Yes	2018	Yes	50 KLD	80 KLD	100%	10%	90%
6	Nemcare Institute & Research Centre and Super Speciality Hospital, GMCH Road, Bhangagarh	Yes	2016	Yes	Average 80 KL	100 KL/day	100%	100%	NIL
7	Kuntal Goswami Memorial Trust KGMT Multispeciality Hospital, Zoo Narengi Road, Opposite Gita Nagar Police Station	Plan to set up a proper Solid Waste Plant in Hospital in near future							
8	H. M. Hospital & Research Centre (P) Ltd, Hatigaon, Dispur, Guwahati - 6	Yes	2018	Yes (MBBR)	20 KLD	20 KLD	99%	60%	40%
9	Sarvodaya Health Care, Dr. J. C. Das Road, Kamarpatty, Panbazar, Guwahati - 1	Yes	2018	Physical Treatment, Bactelological Anaerobic treatment for BOD-COD, PH treatment, Filtration process	1000 Litres /day	2000 Litres/day	100%	10%	90%

[illegible]

SL No	NAME OF HOSPITAL/NURSING HOME	Status of existing STP	Year of Installation	Technology used in the STP	Daily waste water generated	Capacity of STP	% age of waste water treated in STP	% age of treated waste water recycled	% age of treated waste water disposed
21	Dispur Polyclinic & Hospitals Pvt. Ltd.Ganeshguri Chariali, Guwahati - 781006	Yes	2020	MBBR	50 KLD	50 KLD	99%	70%	30%
22	Global Hospital of Surgery & Institute of Endo-Laparoscopy, Sijubari, Dargah Road, Hatigaon, Dispur, Guwahati - 38	No STP for Medical Solid Waste but managing the Medical Solid waste by out sourcing with the company Fresh Air, a company authorized by Pollution Control Board of Assam. Other non medical solid waste is managed by out sourcing Saptarathi Welfare Society, an authorized society under Guwahati Municipal Corporation.							
23	Saint John's Hospital, GMC Road, Christian Basti, Dispur, Guwahati -	Yes	2018	Yes	12500 Litres/day	25000 Litres/day	100%	10%	90%
24	Rahman Hospitals Pvt. Ltd., VIP Road, Sixmile, Guwahati - 22	Yes	2017	MBBR	25 KLD	40 KLD	99%	30%	70%
25	Pratiksha Hospital, Barbari, Hengrabari, VIP Road, Guwahati - 781036	Yes	2018	MBBR (Moving bed bio reactor) Aerobic reactor Tank	30 KLD	40 KLD	100%	33%	67%
26	The Eyecare Center (Hospital), Gauhati Club, Hedayetpur Road, Guwahati - 3	Yes	2018	Physical Treatment, Bactelological Anaerobic treatment for BOD-COD, PH treatment, Filtration process	2000 Litres/day	3000 Litres/day	100%	10%	90%
27	N. L. Medicare & Research Centre, 17 Sarvodaya Path, Bus stop ABC, G. S. Road, Guwahati	Yes	2000	Physical Treatment, Bactelological Anaerobic treatment for BOD-COD	10 Litres	1000 Litres/day	100%	None	100% after treatment
28	Wintrobe Hospital, G. N. B. Road, Ambari, Guwahati - 781001	Yes	2019	as per BMW 2016 Rule	0.12 MLD	0.25 MLD	100%	70%	30%
29	GNRC Hospital, Sixmile, Guwahati	Yes	2018	Moving Bed Bio Reactor process	0.036 MLD	0.06 MLD	100%	0%	100%
30	Good Health Hospital Private Limited (a wholly owned subsidiary of GNRC Ltd, , G. S. Road, Dispur, Guwahati - 6	Yes	2020	Yes	0.01 MLD	0.01 MLD	100%	0%	100%
31	GNRC Hospital, Dispur, Guwahati	Yes	2019	MBBR	0.05 MLD	0.07 MLD	100%	0%	100%
SL No	NAME OF HOSPITAL/NURSING HOME	Status of existing STP	Year of Installation	Technology used in the STP	Daily waste water generated	Capacity of STP	% age of waste water treated in STP	% age of treated waste water recycled	% age of treated waste water disposed

32	City Heart Hospital, Rajgarh Road, Guwahati 781007	Yes	2016	Physical Treatment, Bactelological Anaerobic treatment for BOD-COD, PH treatment, Filtration process	6500 Litres/day	10000 Litres/day	100%	10%	90%
33	Midland Hospital, Shreenagar, Near State Zoo, R. G. Baruah Road, Guwahati	Yes	2017	As per BMW 2016 Rule	0.10 MLD	100% MLD	0.15 MLD	70% MLD	30% MLD
34	Sun Valley Diabetic Care & Research Centre Private Limited, Purbanchal Path, Mathura Nagar, G. S. Road, Guwahati	Arranged to install the STP at the earliest time, the process of which is already started.							
35	Dr. Kalicharan Das Nursing Home & Polyclinic, Kalapahar, Gopinath Nagar, Guwahati - 16	Yes	2017	MBBR	10000 MLD	20000 MLD	99%	20%	80%
36	Ayursundra Super Speciality Hospital, Ahom Gaon, Garchuk, Guwahati - 35	Yes	2016	MBBR (Moving bed bio reactor) Aerobic reactor Tank	150 KLD	200 KLD	100%	10%	90%
37	Central Nursing Home, Survey, Beltola, Guwahati - 28	Yes	2015	As per BMW 2016 Rule	0.14 MLD	0.45 MLD	100%	70%	30%
38	Agile Hospitals Pvt. Ltd., Jayanagar Chariali, Khanapara, Guwahati - 22	Yes	2018	MBBR	60 KL	60 KL	100%	N/A	100%

c) Water quality Status of Polluted River stretches in Assam (January, 2023 to March, 2023)

Sl. No.	Name of the River	BOD (mg/l)		Current Priority
		Min	Max	
Priority I				
1	Bharalu river	36.0	37.9	I
2	Borsola beel	24.3	26.0	II
3	Silsako beel	17.4	19.2	III
Priority II				
4	Sorusala beel	24.8	25.8	II
Priority III				
5	Kamalpur beel	24.6	26.2	II
6	Deepor beel	5.0	5.8	V
7	Digboi river	3.2	3.4	V
8	Panchnoi river	2.5	2.7	To be dilisted
Priority IV				
9	Kharasang river	2.1	2.6	To be dilisted
10	Brahmaputra River	2.0	2.8	To be dilisted
11	Pagladia river	2.6	2.8	To be dilisted
Priority V				
12	Buridihing river	2.0	2.5	To be dilisted
13	Disang river	2.1	2.5	To be dilisted
14	Borbeel	2.5	2.8	To be dilisted
15	Gabharu river	2.1	2.4	To be dilisted
16	Mora Bharali river	3.1	3.2	V
17	Puthimari river	2.4	2.6	To be dilisted
18	Baroi river	2.4	2.6	To be dilisted
19	Jia Bharali river	2.2	2.5	To be dilisted
20	Barak river	2.0	2.4	To be dilisted
21	Sonai river	2.2	2.5	To be dilisted
22	Malini beel	2.3	2.5	To be dilisted
23	Bega river	3.2	3.4	V
24	Beki river	2.5	2.7	To be dilisted

Sl. No.	Name of the River	BOD (mg/l)		Current Priority
25	Bhogdoi river	2.1	2.5	To be dilisted
26	Jhanji river	2.3	2.6	To be dilisted
27	Boginadi river	2.1	2.3	To be dilisted
28	Dikrong river	2.2	2.6	To be dilisted
29	Ranganadi river	2.0	2.3	To be dilisted
30	Dhansiri river	2.4	2.6	To be dilisted
31	Kohora river	2.1	2.4	To be dilisted
32	Dikhow river	2.3	2.5	To be dilisted
33	Sankosh river	2.1	2.3	To be dilisted
34	Bordoibum Beelmukh	2.1	2.3	To be dilisted
35	Holudunga beel	2.1	2.4	To be dilisted
36	Diplai beel	2.2	2.5	To be dilisted
37	Samaguri beel	2.1	2.4	To be dilisted
38	Kolong river	2.0	2.3	To be dilisted
39	Killing river	2.1	2.5	To be dilisted
40	Kapili river	2.1	2.5	To be dilisted
41	Son Beel	2.3	2.6	To be dilisted
42	Tengapukhuri	2.3	2.4	To be dilisted
43	Parashali beel	2.4	2.6	To be dilisted
44	Kulsi river	2.5	2.7	To be disted