National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs

For the State of Assam/UT

(Hon'ble NGT in the matter of OA No.673/2018 dated 24.09.2020)

Overall Status of the State:

I	Total Population	
	Urban Population and Rural Population	Total Population of 95 ULBs : 24,46,576 Total Population of Guwahati: 12 Lakhs (Approx) Total Population (Rural) : 26807034 (As per Census 2011)
II	Estimated Sewage Generation (MLD)	824.07 KLD (Kamalpur Beel– 192 KLD + Puthimari River –322 KLD + Kulshi River – 310.07 KLD) All ULBs- 809 MLD in 2021

III **Details of Sewage Treatment Plant:**

Existing no of STPs and Treatment Capacity (in MLD) :	NIL
Capacity Utilization of existing STPs:	N/A
MLD of sewage being treated through Alternate Technology:	N/A
Gap in Treatment Capacity in MLD:	100% (Excluding RLBs)
No of Operational STPs:	
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
For GUWAHATI- Govt. of Assam has forwarded the DPR to the Ministry of Housing & Urban Affairs for approval on 30.04.2021. The DPRs has been technically vetted by CPHEEO, MoHUA, Govt. of India and is in the process of compliance. REST OF THE ULBS- NIL				

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	Mangaldoi	2.00 MLD	Administrative Approval is under process.	Approximately 2 years after sanctioning the DPR
2	Tezpur	2.00 MLD	Administrative Approval is under process.	Approximately 2 years after sanctioning the DPR
3	Nagaon	2.00 MLD	Technical Bid evaluation is under process	Approximately 2 years after allotment of work
4	Jorhat	2.00 MLD	Administrative Approval is under process.	Approximately 2 years after sanctioning the DPR
5	Silchar	2.00 MLD	DPR of STP for Slichar is under submission to Govt. of Assam	Approximately 2 years after sanctioning the DPR
6	Kamalpur Beel (Kamrup) Priority-III	No STP is proposed but as proposed by PCBA, installation of mechanized aerator is suggested	PWD(B) Department has accorded Technical sanction for an amount of Rs. 4.19 Crore for installation of Mechanized Aerator. The proposal is under process for obtaining concurrence of Finance Department for according Administrative approval for calling tender by CPRD.	NA
7	Pagladia River, Nalbari Priority-IV	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. The length of the polluted stretch of Pagladia River is approximately 4 KM with an area of 16 Sq. km from Balikuchi to Khudra Sankara; falls in rural areas only.	P & RD Department is taking necessary action for release 50% of estimated cost of DPR to IIT – Guwahati.	

8	Kharsang,Tinsukia Priority-IV	As per earlier report of PCBA, Kharsang, 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 Kharsang River stretch with remedial activities amounting to Rs.1.60 Crore. The length of the polluted stretch of Kharsang River is approximately 0.6 km with an area of 1.0 Sq. km .	P & RD Department is taking necessary action for release 50% of estimated cost of DPR to IIT – Guwahati. In the meantime the CPRD has called for fresh report from the concerned districts on cleaning, plantation and SW&PW Management on this polluted river stretch during last 3 years for onward submission to the CPCB for deleting this polluted river stretch.	
9	Panchnoi, Udalguri Priority-III	As per earlier report of PCBA, Panchnoi 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 Panchnoi River stretch with remedial activities amounting to Rs.1.90 Crore. The length of the polluted stretch of Panchnoi River is approximately 1.5 KM with an area of 1.37 Sq. km.The stretch identified as polluted is from No.2 Saikia Chubri to Garubandha Khankhata B	P & RD Department is taking necessary action for release 50% of estimated cost of DPR to IIT – Guwahati. In the meantime the CPRD has called for fresh report from the concerned districts on cleaning, plantation and SW&PW Management on this polluted river stretch during last 3 years for onward submission to the CPCB for deleting this polluted river stretch.	
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 as per directions of PCB, Assam.				
Details of proposed STPs in Guwahati (Total capacity of proposed STP : 157 MLD)				
1	Silsakoo Beel	65 MLD	The DPRs appraised by CPHEEO and sent to MoH&UA on 29.11.2021	1. Execution of urgent works on Bharalu Pollution Abatement: March,2022-June, 2025 2. Execution of other works: June, 2022- December, 2028
2	Back side of Nepali Mandir (Near Borsola Beel)	62 MLD		
3	Lokhra	60 MLD(as per revised calculation)		
4	3 locations for Faecal Sludge & Septage Treatment Plant (100 m each)	90 KLD		

IV **Details of Industrial Pollution:**

No of industries in the State:	227 (Operating units: 196, Units Closed Down: 27, Closed by own: 4)
No. of water polluting industries in the State :	183
Quantity of effluent generated from the industries in MLD:	22.665 MLD
Quantity of Hazardous Sludge generated from the Industries in TPD:	7.9 TPD
Number of industrial units having ETPs:	183
Number of industrial units connected to CETP:	Nil
Number of Existing ETPs	183
Number and total capacity of ETPs (details of existing/under construction/proposed)	40.3 MLD
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- 575 TPD (tonnes per day) REST OF THE ULBs- 666TPD 10.4TPD (Nagaon–1.02TPD, Udalguri–0.38TPD, Lakhimpur–1TPD, Sonitpur–8TPD)	
Number, installed capacity and utilization of existing MSW processing faclities 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-Running.
	Compost Plants (Windrow, vermin, decentralized pit composting)	Organic Waste Converter, Capacity: 2.5 TPD(one No),Bhangagarh,Running

<table>
<tr><td></td><td>Biomethanation</td><td>Biomethanation plant running at Chetribari: Capacity 5.0 TPD. Output-800 unit-Running.</td></tr>
<tr><td></td><td>MRF</td><td>Material Recovery Facility(MRF) is functioning at Zoo Road, near GMCH Bhangagarh and VIP Road transfer station. Few more have been planned and will be constructed soon.</td></tr>
<tr><td></td><td colspan="2">For Other 95 ULBs : Details is at Annexure-I</td></tr>
<tr><td>Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)</td><td colspan="2">GUWAHATI- Gap is > 10%.
REST OF THE ULBs- 48 ULBs have prepared Action plan to bridge the Gap.</td></tr>
<tr><td>No. and capacity of C &D waste processing plants in TPD (existing, proposed and under construction)</td><td colspan="2">GUWAHATI- Construction and Demolition waste processing plant not installed, but recycling done by private operators. GMC has begun the process of registration of C&D waste recyclers. 3 nos. of Private Parties have been registered under GMC for recycling of C&D waste. Report on collection and disposal of C&D waste for the month of November,2021 is NIL.

REST OF THE ULBs-Nil</td></tr>
<tr><td rowspan="5">Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source</td><td colspan="2">For 95 ULBs : Total wards : 912.
Door to door collection : 813 wards
Source segregation: 387 wards.

3 Model Villages had been notified in each Zilla Parishad and districts under Sixth Schedule Areas where door to door collection is going on and also awareness campaigns are also being carried out. However, based on the reports received from the respective CEOs, it may be stated that the Solid Waste generation in rural areas is minimum and most of the waste generated are disposed in individual households. As per report from concerned CEO, collection under Nalbari ZP has been done by NGOs.</td></tr>
<tr><td colspan="2">For Guwahati</td></tr>
<tr><td>Description</td><td>Remarks</td></tr>
<tr><td>Total No. of wards</td><td>31</td></tr>
<tr><td>No. of Wards having door to door collection service</td><td>31 Wards.</td></tr>
<tr><td>No. of Wards practicing segregation at source</td><td>31 @ 40% to 50% efficiency. Currently 50% of waste is segregated at source. NGOs engaged in door to door collection and segregation of waste, 86 Nos. of NGOs engaged for the purpose for the month of November,2021. These NGOs have been equipped with Auto Trippers to carry waste.The Divisional Engineers hold meeting with NGOs for better performance. Currently conservancy and Solid Waste from roads is collected in three shifts. Machinery engaged: JCB=13 Nos, Dumper=22 Nos, Compactors=17 Nos, Mini Loaders=7 Nos, Auto Trippers=250 Nos.</td></tr>
<tr><td rowspan="7">Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)</td><td colspan="2">For Guwahati</td></tr>
<tr><td>Description</td><td>Remarks</td></tr>
<tr><td>Biomethanation</td><td>As stated above</td></tr>
<tr><td>Organic Waste Converter</td><td>Nil</td></tr>
<tr><td>Composting</td><td>RDF-Compost Plant has been proposed with capacity of treating 150 TPD waste per day in phase I, tender already floated on 12th July, 2021. Last date for receipt of tender was 30th July, 2021. Three Bids have been received. Technical evaluation of Bids done. Price Bids opened. Administrative Approval of the Project has been moved.</td></tr>
<tr><td>Proposed</td><td>At present two sites are under consideration for establishment of Solid Waste Processing Plant viz., 1)at Chandrapur-Land measuring 40 Bighas as per MoU signed with Assam Power Generation Corporation Ltd. 2) Land of Housefed- Land measuring 54 Bighas which the GMDA has taken over. The land is situated in Pachim-Boragaon. The Environment & Forest Department has given clearance that the land does not fall under Ec-Sensitive Zone for the Deepor Beel.</td></tr>
<tr><td colspan="2">For other ULBs</td></tr>
<tr><td colspan="2"><table>
<tr><td>MSW treatment facility</td><td>Nos.</td><td>Designed Capacity (TPD)</td><td>ULB Name</td><td>Under construction/proposed</td></tr>
<tr><td>Waste to compost</td><td>1</td><td>100</td><td>Dibrugarh MB</td><td>Under construction</td></tr>
<tr><td>Waste to compost</td><td>1</td><td>15</td><td>Jorhat MB</td><td>Under construction</td></tr>
<tr><td>Waste to compost</td><td>1</td><td>0.5</td><td>Barpeta MB</td><td>Proposed</td></tr>
<tr><td>Waste to compost</td><td>1</td><td>0.5</td><td>Barpeta Road MB</td><td>Proposed</td></tr>
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	Waste to compost	1	0.5	Bilasipara MB	Proposed
	Waste to compost	1	0.5	Bokajan MB	Proposed
	Waste to compost	1	0.5	Chapar MB	Proposed
	Waste to compost	1	0.5	Dergaon MB	Proposed
	Waste to compost	1	0.5	Dhekiajuli MB	Proposed
	Waste to compost	2	1	Dhubri MB	Proposed
	Waste to compost	1	0.5	Digboi MB	Proposed
	Waste to compost	2	1	Diphu MB	Proposed
	Waste to compost	1	0.5	Doomdooma MB	Proposed
	Waste to compost	1	0.5	Gauripur MB	Proposed
	Waste to compost	2	1	Goalpara MB	Proposed
	Waste to compost	1	0.5	Golaghat MB	Proposed
	Waste to compost	1	0.5	Haflong MB	Proposed
	Waste to compost	1	0.5	Hojai MB	Proposed
	Waste to compost	1	0.5	Kajalgaon MB	Proposed
	Waste to compost	2	1	Karimganj MB	Proposed
	Waste to compost	1	0.5	Lanka MB	Proposed
	Waste to compost	1	0.5	Lumding MB	Proposed
	Waste to compost	1	0.5	Mangaldoi MB	Proposed
	Waste to compost	1	0.5	Margherita MB	Proposed
	Waste to compost	1	0.5	Mariani MB	Proposed
	Waste to compost	2	1	N. Lakhimpur MB	Proposed
	Waste to compost	3	1.5	Nagaon MB	Proposed
	Waste to compost	1	0.5	Nalbari MB	Proposed
	Waste to compost	1	0.5	Rangia MB	Proposed
	Waste to compost	1	0.5	Silapathar MB	Proposed
	Waste to compost	2	1	Sivsagar MB	Proposed
	Waste to compost	1	0.5	Sonari MB	Proposed

No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	For Guwahati: Dumpsite : 1 no. Area of Dumpsite : 121 Bighas or 16.19 Hectare at Village Pachim Boragaon: 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 Housefed Land at Pachim Boragaon(Belor-toll) which is outside the Eco-Sensitive Zone created for Deepor Beel. REST OF THE 95 ULBs- 13 nos of ULBs are having uncontrolled Garbage dumpsite. Govt. has taken steps for identification of land.
No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers	For 95 ULBs: 3 (three) nos and 5.4 acres (area) of legacy Waste. Instructions have been issued to Rangia MB, Dibrugarh MB and Raha MB for shifting of Dumpsite. Guwahati : 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	Lakhimpur ZP: 1 drain falls in Boginodi River 6 drains fall in Ronganodi River 9 drains fall in Dikrong River. These drains/canals are planned to clean and GP/Block are asked to undertake works under MGNREGA. The Zilla Parishads are also instructed to take similar actions accordingly Survey is going on in other Zilla Parishads Instructions were issued to all ULBs and data is under process of collection.

For Guwahati

Description	Remarks
No. of drains falling into rivers	39 nos.
No. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	39 nos. of garbage traps on these have been installed at various places.

Status of ULB wise Managemnet of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Guwahati	575	7.5	1. Bio-methanation plant. 2. Organic Waste Converter	7.5 TPD	
95 nos. ULBs	666	426	• Centralized Plant-28 Nos. • Pit Composting-59121Nos. • MRF- 144 Nos.	999.64	40 Nos. Will be completed within 6 Months.
For 95 ULBs : Segregated Waste is being collected only from 45% 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.					
All RLBs	No data maintained	No data maintained	Guidelines issued under XV FC	No MSW facilities	Guidelines issued for taking up such facilities under XV FC (tied)

VI **Bio-medical Waste Management :**

Total Bio-medical generation:	1716.75KG/day
No. of Hospitals and Health Care Facilities	86 (07 HCFs closed down)
Status of Treatment Facility/CBMWTF:	1 Operational (1 CBWTF located at Panikhaiti, Guwahati which covers Kamrup, Kamrup (M), Nalbari, Baksa, Nagaon and Morigaon districts). A CBWTF is being proposed in Barpeta district in Lower Assam region. The proponent has already submitted applications for CTE and EC. Public hearing already conducted and EC is awaited from SEIAA. Another CBWTF is being proposed at Tezpur, Sonitpur district. The proponent has submitted application for Consent to Establish. The applicant has been directed to obtain EC from SEIAA.

VII **Hazardous Waste Management :**

Total Hazardous Waste generation:	60.19TPD (Utilized, treated and disposed by the occupiers themselves)
No. of Industries generating Hazardous waste	15
Treatment Capacity of all TSDFs	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Nil

	Details of on-going or proposed TSDF	Work order (LOA) has been issued by PCBA to M/s BEIL Infrastructure Limited, Plot No. 9701-16, GIDC, Ankleshwar, Gujrat for design, establishment and operation of HWTSDF at Deopani NC Block village under Amguri revenue Circle in Sivasagar District, Assam. An addendum to the contract agreements has been drafted as per the resolutions of the Bid Evaluation committee meeting held on 05/10/21 and has been issued to the selected bidder. The bidder has not yet deposited the performance security and contract agreements are yet to be signed.

VIII **Plastic Waste Management :**

	Total Plastic Waste generation:	37 TPD (For 95 ULBs) For 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. (iii) Registration of rag pickers collecting plastic, recycles of collected plastics, Recyclers of collected plastics are under process. (iv) NOC issued to private party for collection and transportation of plastic waste from Guwahati on pilot basis for a period of 1 year. REST OF THE ULBs- Plastic wastes generated in ULBs are managed through Recyclers/rag pickers,MRFs Cement Plants and construction of roads.
IX	Details of Alternate Treatment Technology being adopted by the State/UT	◦ In Lakhimpur ZP, litter bin has been provided to collect plastic waste. Further, one plastic store house at each model village has been constructed to gather the plastic waste collected at the litter bin. ◦ In other Zilla Parishads, assessment is still going on. Guidelines issued for constructing mini MCF in each village and central MCF at GP level.
X	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment	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. These drains/canals are planned to clean and GP/ Block are asked to undertake works under MGNREGA. ◦ 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 Svasagar 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.
XI	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Principal Secretary to the Govt. of Assam, Environment & Forest Department
XII	Details of meeting carried under the Chairmanship Chief of Secretary in the State/UT:	The Chief Secretary, Assam has been regularly reviewing the matter. Last meeting was held on 18.11.2020 under the Chairmanship of Chief Secretary, Assam to review the Progress in the matter and expedite implementation of all Action Plans. Subsequently the matter was reviewed during a discussion held on 15.03.2021 with GDD, Revenue, Environment & Forest, PCBA, DC (M) Commissioner, GMC and CEO, GMDA.
XIII	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 November, 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, 2021 to November 2021) is at **Annexure-II**

XIV	Ground water regulation	Detailed Report is at Annexure A

XV	Good irrigation practices being adopted by the State:	▪ In Tinsukia ZP, irrigation practices for agricultural purpose have been carried out in Hoolowgaon (Uttar Tupsingh) and Borjiya GP under Sadia Dev Block. Agri Bandh and Ring Bandh are constructed for preventing excess flow of water to agricultural field. ▪ In Kamrup and Udalguri District, certain schemes such as Lift Irrigation Scheme (LIS), Flow Irrigation Scheme (FIS) and Deep Tube well (DTW) have been taken up by Irrigation Department in collaboration with Central Govt. ▪ Various Awareness programs has been taken up in other areas.
XVI	Rain Water Harvesting	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, proposals have been made for taking up of schemes under MGNREGA/ASFC/15th FC.
XVII	Demarcation of Floodplain and removal of illegal encroachments:	Not Applicable
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,4nos.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.
XX	Development of biodiversity park:	• Biodiversity Management Committee has been formed in all Zilla Parishads
XXI	Reuse of Treated Water	Being done as per report of the concerned CEO.
XXII	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	Action is being initiated for adopting 'Digboi River' as Model River by the State. The river has a polluted stretch of 7.6km with an area of 11.7Sq.Km. and the stretch identified as polluted is from IOCL Oil town to the Lakhipathar Reserve Forest.
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. 27 units have been closed down already. GUWAHATI- Nil. 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. RLB: in Kamrup and Udalguri ZPs, pollution and law violators are fined Rs. 500/-

CGWB Annexure A

THEMATIC AREA "X": GROUND WATER RECHARGE EXTRACTION

Groundwater is a replenishable resource and hence the availability of groundwater has been taken for granted. The limitation of available surface water resources has put an onus on groundwater to meet the requirement. The groundwater development has gone up manifolds to cater to the demand from agriculture, industry and domestic activities. The availability of groundwater is always expressed either in relation to its availability or to the annual replenishment, for management purposes. Thus, the term safe yield or sustainable yield is generally used by many developed countries for sustainable development of groundwater. In India, the replenishable groundwater resources are assessed periodically (every three years) and areas are categorized on the basis of Stage of groundwater extraction (safe yield).

The latest Dynamic Ground Water Resources of Assam (as on March'2020) assessed by Central Ground Water Board is given here under:

- Annual Extractable Ground Water Resources : 21.96 BCM
- Gross Ground water extraction for all uses : 2.57 BCM
- Provision for Domestic and Industrial requirement up to 2025 : 0.66 BCM
- Net ground water available for future irrigation use :19.33 BCM
- Stage of Ground water development : 11.73 %.

All districts of Assam fall under "Safe" category as per the Dynamic Groundwater Resources assessed by CGWB. Now, the assessment as on 2020 is under progress.

Revised Master Plan for artificial Recharge to Groundwater in India was prepared by CGWB in the year 2020. In view of the active participation of central and State agencies in water conservation, a need was felt to revise the master plan prepared in 2013. Accordingly plan for 2020 has been finalised.

In case of Assam, different water harvesting/ recharging structures have been suggested in consultation with State Government to harness the run off generated from the rain. The state received a good amount of rainfall and aquifers are naturally replenished every year. It is observed that in general artificial recharge measures are not require everywhere, however, localized requirement cannot be denied.

As per CGWA there is no notified district (semi critical/critical/ over exploited) in Assam. As the Assam State Ground Water Authority is yet to be functional, the work of Ground Water Management and Regulation in the State is looked after by CGWB, NER.

Central Ground Water Authority has been issuing NOCs to industrial units, infrastructure units, and mining sectors for **EXTRACTION OF GROUND WATER** as per guideline of CGWA. As per the CGWA guideline, all units/firms should implement rooftop rainwater harvesting system in the buildings within its lease area as per the model building bye law issued by Ministry of Housing & Urban Affairs/ Local Authority. However, recharge to groundwater should not be practice in areas of shallow water level (i.e., areas where depth to water level is within 5 mbgl to avoid water logging.

As part of its action taken & compliance towards **Ground Water Extraction**, this office has issued Show Cause Notices to 50 nos. of Industries /Infrastructure Units under Priority I & II Lists (as provided by PCB, Assam vide letter no. WB/LAB-310/Pt-I/19-20/73/3243, dated 15th Feb, 2020) and vide this office File No.1553 (1-50) /D 27/CGWA/NER/2019-20 dated 18.02.2020, out of which 30 nos. of units have been issued reminder of the show cause notice, 2 nos. of Units have been directed to re-apply for NOC within 15 days of CGWB notice i.e. by 27 February 2021 and 4 nos. of units have already been rejected.

As on 08 July 2021, in reply of the Show Cause Notice of this Office, eight (8) Nos. of Infrastructural Units of Guwahati have applied for NOC and they are under process now.

1862

Details of NOCs issued towards Extraction of Ground Water in Assam and Guwahati by various industries, infrastructure units, and mining units are enclosed as Annexure- II. **(Already submitted vide this office letter No.882/D 27/CGWA/NER/2019-20 dated 15.02.2021)**

The New Guidelines/ Notification on Extraction of Ground Water by Ministry of Jal Shakti (Department of Water Resources, River Development and Ganga Rejuvenation) (CENTRAL GROUND WATER AUTHORITY) dated 24th September, 2020 (THE GAZETTE OF INDIA: EXTRAORDINARY [PART II—SEC. 3(ii)]) is also enclosed herewith for kind information. **(Already submitted vide this office letter No.882/D 27/CGWA/NER/2019-20 dated 15.02.2021)**

Updated Ground Water Regime Monitoring data for last 3 years:

Ground water level is being monitored four times in a year through different ground water abstraction structures to obtain information on ground water levels and chemical quality through representative sampling. District wise pre-monsoon and post-monsoon Ground Water Level data for the last 3 years of Assam is given in Table 1 below:

Table I: District wise pre-monsoon and post-monsoon Ground Water Level data for the last 3 years of Assam (2018, 2019& 2020) as per CGWB, GOI

DISTRICT WISE GROUND WATER LEVEL DATA OF ASSAM (in mbgl)

		2020		2019		2018	
State	District	Post monsoon	Pre monsoon	Post monsoon	Pre monsoon	Post monsoon	Pre monsoon
Assam	Baksa	1.84	2.88	2.98	3.60	2.87	3.12
Assam	Barpeta	1.75	4.23	3.05	3.26	2.03	3.71
Assam	Biswanath	2.66	4.39	3.29	4.40	3.15	5.55
Assam	Bongaigaon	2.72	4.62	3.27	3.54	3.50	3.54
Assam	Cachar	1.28	3.46	1.46	2.90	1.17	1.33
Assam	Chirang	2.76	4.00	NA	3.00	NA	3.40
Assam	Darrang	3.07	3.56	3.89	3.86	3.86	4.80
Assam	Dhemaji	1.76	3.38	2.68	3.49	2.47	3.25
Assam	Dhubri	6.43	8.88	8.87	8.39	7.47	8.14
Assam	Dibrugarh	2.00	3.89	3.19	4.63	3.07	3.49
Assam	Goalpara	2.35	4.70	2.39	5.03	2.23	4.46
Assam	Golaghat	3.01	5.43	2.29	4.68	3.88	3.46
Assam	Hailakandi	1.31	2.04	1.17	3.08	1.18	1.43
Assam	Hojai	3.12	8.98	2.52	9.02	4.18	7.11
Assam	Jorhat	0.80	2.39	0.90	1.51	2.03	1.20
Assam	Kamrup	2.42	3.66	2.71	4.46	2.73	3.81
Assam	Kamrup (M)	1.61	1.69	1.86	3.12	1.74	3.39
Assam	Karbi Anglon	3.00	6.21	3.00	4.86	4.49	4.86
Assam	Karimganj	1.15	2.02	0.83	1.31	0.59	0.85
Assam	Kokrajhar	3.02	6.22	4.12	4.53	4.45	3.72
Assam	Lakhimpur	1.74	2.85	1.81	2.90	1.72	2.77
Assam	Morigaon	1.37	3.56	2.80	4.95	2.22	3.88
Assam	Nagaon	2.07	3.15	3.11	4.91	2.27	4.37
Assam	Nalbari	2.30	6.45	3.25	2.98	3.06	3.64
Assam	Sibsagar	1.43	4.94	1.30	3.50	2.52	4.24
Assam	Sonitpur	2.10	3.47	2.43	3.60	2.67	3.31
Assam	Tinsukia	3.08	4.22	2.75	3.91	2.91	2.20
Assam	Udalguri	2.20	3.02	3.41	2.80	2.12	2.88

CGWB, NER, GUWAHATI

Annexure-I

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Details of MSW facilities & MRF

SL. No.	MSW processing facility	Nos.	Capacity (TPD)	Utilization (TPD)	Type of processing
1	Centralized Processing Facilities	27	315.5	170	Waste to Compost
2	Decentralized/Vermi/Windrow /Pit Composting	59121	239	60	Waste to Compost
3	Material Recovery Facility	144	430	151	MRF

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ANNEXURE-II

Water quality Status of Polluted River stretches in Assam (January, 2021 to November, 2021)

Sl. No.	*Name of the River*	*BOD (mg/l)*		*Current Priority*
		Min	*Max*	
		Priority I		
1	Bharalu river	30.4	36.2	I
2	Borsolabeel	24.4	28.0	II
3	Silsakobeel	14.0	18.8	III
		Priority II		
4	Sorusalabeel	24.6	29.0	II
		Priority III		
5	Kamalpurbeel	26.1	29.4	II
6	Deeporbeel	2.8	4.9	V
7	Digboi river	2.8	3.8	V
8	Panchnoi river	1.2	2.6	Not Polluted
		Priority IV		
9	Kharasang river	2.0	2.6	Not Polluted
10	Brahmaputra River	2.0	2.8	Not Polluted
11	Pagladia river	1.6	2.6	Not Polluted
		Priority V		
12	Buridihing river	1.8	2.8	Not Polluted
13	Disang river	1.6	2.8	Not Polluted
14	Borbeel	2.0	2.8	Not Polluted
15	Gabharu river	1.6	2.7	Not Polluted
16	Mora Bharali river	1.6	3.6	Priority V
17	Puthimari river	2.0	2.7	Not Polluted
18	Baroi river	1.6	2.8	Not Polluted
19	JiaBharali river	1.6	2.6	Not Polluted
20	Barak river	2.0	2.7	Not Polluted
21	Sonai river	2.1	2.8	Not Polluted
22	Malinibeel	2.3	2.8	Not Polluted

Sl. No.	*Name of the River*	*BOD (mg/l)*		*Current Priority*
23	Bega river	2.2	3.8	Priority V
24	Beki river	2.0	2.6	Not Polluted
25	Bhogdoi river	1.8	2.7	Not Polluted
26	Jhanji river	1.4	2.5	Not Polluted
27	Boginadi near	1.0	2.5	Not Polluted
28	Dikrong river	1.4	2.6	Not Polluted
29	Ranganadi river	1.4	2.6	Not Polluted
30	Dhansiri river	1.8	2.6	Not Polluted
31	Kohora river	1.4	2.7	Not Polluted
32	Dikhow river	1.4	2.6	Not Polluted
33	Sankosh river	1.8	2.7	Not Polluted
34	BordoibumBeelmukh	2.0	2.7	Not Polluted
35	Holudungabeel	2.0	2.8	Not Polluted
36	Diplaibeel	2.0	2.9	Not Polluted
37	Samaguribeel	2.0	2.9	Not Polluted
38	Kolong river	1.8	2.6	Not Polluted
39	Killing river	1.2	2.8	Not Polluted
40	Kapili river	2.2	2.6	Not Polluted
41	Son Beel	2.2	2.8	Not Polluted
42	Tengapukhuri	1.8	2.4	Not Polluted
43	Parashalibeel	2.2	2.8	Not Polluted
44	Kulsi river	2.0	2.8	Not Polluted