**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:**

Assam

| | | |
|---|---|---|
| I | Total Population | |
| | Urban Population and Rural Population | Total Population of Guwahati: 12 Lakhs (Approx)<br>Total Population of rest of the ULBs : 24,46,576 Lakhs<br>Total Population (Rural) : 26807034 (As per Census 2011) |
| II | Estimated Sewage Generation (MLD) | All ULBs- 809 MLD as per CPCB data on March, 2021 |

III **Details of Sewage Treatment Plant:**

| | |
|---|---|
| No. of polluted river stretches identified by CPCB in Assam -44 nos. Polluted River Stretches in Urban Areas -19nos. Construction of **8 STPs** is 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) : | NIL |
| Capacity Utilization of existing STPs: | - |
| MLD of sewage being treated through Alternate Technology: | - |
| Gap in Treatment Capacity in MLD: | 100% (for all ULBs) |
| No of Operational STPs: | - |
| No of Complying STPs: | **Guwahati**- Approval of revised DPR for construction of 3 nos. of STPs for 187 MLD under JICA Project is currently with DEA after due recommendation of MoHUA. On receipt of clearance in final from DEA, work can commence.<br>**Rest of the ULBs**- Tender Process of 1 STP for 2.00MLD at Nagaon was completed. Work Order has been issued. AA for construction of another 4 STPs of 2.00 MLD each could not accorded in the last financial year 2021-22 due to MCC & Municipal Election. However, the Department of Housing & Urban Affairs is taking necessary action for construction of the remaining 4 STPs in the current Financial year, 2022-23. |
| No of Non-complying STPs: | 11nos. |

**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- NIL~~<br>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 | AA for construction of STP could not be accorded in the last financial year, 2021-22 due to MCC & Municipal Election. However, the Department of Housing & Urban Affairs is taking necessary action for construction of the remaining 4 STPs in the current Financial year, 2022-23. | Approximately 2 years after sanctioning the DPR |
| 2 | Tezpur | 2.00 MLD | AA for construction of STP could not be accorded in the last financial year, 2021-22 due to MCC & Municipal Election. However, the Department of Housing & Urban Affairs is taking necessary action for construction of the remaining 4 STPs in the current Financial year, 2022-23. | Approximately 2 years after sanctioning the DPR |
| 3 | Nagaon | 2.00 MLD | Tendering process completed. Work Order has been issued to the successful bidder. | Approximately 2 years after allotment of work |
| 4 | Jorhat | 2.00 MLD | AA for construction of STP could not be accorded in the last financial year, 2021-22 due to MCC & Municipal Election. However, the Department of Housing & Urban Affairs is taking necessary action for construction of the remaining 4 STPs in the current Financial year, 2022-23. | Approximately 2 years after sanctioning the DPR |

| | | | | |
|---|---|---|---|---|
| 5 | Silchar | 2.00 MLD | AA for construction of STP could not be accorded in the last financial year, 2021-22 due to MCC & Municipal Election. However, the Department of Housing & Urban Affairs is taking necessary action for construction of the remaining 4 STPs in the current Financial year, 2022-23. | Approximately 2 years after sanctioning the DPR |
| 6 | Kamalpur Beel (Kamrup)<br><br>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 of DPR for installation of Mechanized Aerator. The proposal was sent to the Finance Standing Committee for concurrence for Administrative Approval for calling tender by CPRD. Finance Department returned the proposal with a request to re-submit the same during the financial year 2022-23. Now it has been sent to Finance Standing Committee for concurrence. | NA |
| 7 | Pagladia River, Nalbari<br><br>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. | IIT Guwahati has been requested to re-visit the DPR as per observation of the PCBA. Estimated cost of the project as per DPR is Rs. 273.94Lakh. | |
| 8 | Kharsang,Tinsukia<br><br>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 . | IIT Guwahati submitted a proposal with other terms and condition for preparation of DPR at the estimate of Rs. 5.25lakhs. P&RD Deptt 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 before preparing DPR. Report from CPRD awaited. | |
| 9 | Panchnoi, Udalguri<br><br>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 | IIT Guwahati submitted a proposal with other terms and condition for preparation of DPR at the estimate of Rs. 4.00lakhs. P&RD Deptt 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 before prepaing DPR. Report awaited. | |
| 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. | | | | |
| **Details of proposed STPs in Guwahati** | | | | |
| 1 | Silsakoo Beel | 65 MLD | Approval regarding revalidation of DPR has been received from MoHUA dated 06.01.2022 and under submision to DEA for final clearance. | 2028 |
| 2 | Back side of Nepali Mandir (Near Borsola Beel) | 62 MLD | | |
| 3 | Paschim Boragaon | 60 MLD(as per revised calculation) | | |

IV **Details of Industrial Pollution:**

| | |
|---|---|
| No of industries in the State: | Data being updated |
| No. of water polluting industries in the State : | Data being updated |
| Quantity of effluent generated from the industries in MLD: | Data being updated |
| Quantity of Hazardous Sludge generated from the Industries in TPD: | Data being updated |
| Number of industrial units having ETPs: | Data being updated |
| Number of industrial units connected to CETP: | Nil |
| Number of Existing ETPs | Data being updated |
| Number and total capacity of ETPs (details of existing/under construction/proposed) | Data being updated |
| 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<br>REST OF THE ULBs- 95 ULBs &Population- 24,46,576 lakhs.<br><br>RLBs: 2197+34 (Block of 6th scheduled area)=2231<br>Population: 26807034 | |
| Current Municipal Solid Waste Generation | GUWAHATI- 550 TPD (tonnes per day)<br>REST OF THE ULBs- 664TPD | |
| 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-the Plant is operational. |
| | Compost Plants (Windrow, vermin, decentralized pit composting) | Organic Waste Converter, Capacity: 2.5 TPD(one No),Bhangagarh, the Plant is operational. |
| | Biomethanation | Biomethanation plant running at Chetribari: Capacity 5.0 TPD. Output-800 unit-Running. |
| | MRF | Material Recovery Facility(MRF) is functioning at (i)Zoo Road, (ii)near GMCH Bhangagarh (iii) VIP Road (iv) Chatribari. |
| | For Other 95 ULBs : MSW processing facilities-33nos (Details is at **Annexure-I)**<br>Not installed in Rural Areas. | |
| Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%) | GUWAHATI- Gap is > 10%.<br>GMC is planning to construct Grabage Transfer Stations (new) at (i) Adabari (ii) Old Jail Campus (iii) Purabi Dairy, Sixmile (iv) Udalbakra (v) Madgharia (vi) Hengrabari Kjhadi Campus. Civil work at Adabari already started. DPR for Adabari Transfer Station cum Garbage Transfer Station prepared. For Hengrabari, boundary wall work started.<br>Rest of 95 ULBs-68 ULBs have prepared Action Plan to bridge the Gap. | |
| No. and capacity of C &D waste processing plants in TPD (existing, proposed and under construction) | 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 March, 2022 is NIL.<br><br>REST OF THE ULBs-Nil<br>Not installed in Rural Areas. | |
| Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source | For 95 ULBs : Total wards : 912.<br>Door to door collection :830 wards<br>Source segregation: 405 wards.<br><br>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. | |
| | **For Guwahati** | |
| | **Description** | **Remarks** |
| | Total no. of wards | 31 |
| | No. of Wards having door to door collection service practicing segregation at source | Door to door collection : 31 Wards. |
| | | Source Segregation : 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 March, 2022. 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=11 Nos, Dumper=16 Nos, Compactors=12 Nos, Mini Loaders=8 Nos, Auto Trippers=278 Nos., Big Cesspool-2, Mini Cesspool-3, Desilting Machine-24. |
| Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) | **For Guwahati** | |
| | **Description** | **Remarks** |
| | Biomethanation | As stated above |
| | Organic Waste Converter | Nil |

| | |
|---|---|
| Composting | Composting : RDF-Compost Plant cum RDF plant at Belortol has been proposed with capacity of treating 150 TPD waste per day in phase I. Tender floated on 12th July, 2021, technical evaluation done, price bids opened. Administrative Approval of the Project has been accorded in March, 2022. It may be mentioned that the earlier site at Sonaiguli has been shifted to Belortol. Work Order shall be issued shortly. |
| Proposed | Tender for Solid Waste Processing Plant of 150TPD to produce RDF and Compost floated. As per direction of Government, the GMC has been studying other option like Metanation Plant. |

**For other ULBs**

| MSW treatment facility | Nos. | Designed Capacity (TPD) | ULB Name | Under construction/proposed |
|---|---|---|---|---|
| Waste to compost | 1 | 0.5 | Barpeta MB | Proposed |
| Waste to compost | 1 | 0.5 | Barpeta Road MB | Proposed |
| 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:<br>Dumpsite : 1 no.<br>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. Treatment of Legacy waste started from January, 2021 till now 190000.00Tonnes treated. Tender for Biomining of legacy waste amounting to Rs. 172.5 crores floated as Administrative Approval from Govt. Technical evaluation of the bids has been completed. Financial bid opening and allotment of work shall be done.<br>**Land at Sonaiguli** : The site has been abandoned for time being(with option to use it for other purposes) since it is found very deep and situated between two high mass of land (hillocks). Presently no waste is transferred to this site.<br><br>REST OF THE 95 ULBs-<br>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:<br>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. Under SBM-2.0, proposals being proposed for legacy waste management in 4 ULBs viz, Dibrugarh, Nagaon, Silchar and Jorhat.<br><br>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<br>6 drains fall in Ronganodi River<br>9 drains fall in Dikrong River.<br><br>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.<br><br>Survey is going on in other Zilla Parishads<br><br>**Rest of the ULBs** : 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.<br>2. Organic Waste Converter | 7.5 TPD | |
| 95 nos. ULBs | 664 | 406 | • Centralized Plant-30 Nos.<br>• Pit Composting-59121Nos.<br>• MRF- 144 Nos. | 1057.14 | 38 Nos. will be completed within 3 Months. |
| For 95 ULBs : Segregated Waste is being collected only from 42% 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 | Nil | No MSW facilities | Guidelines issued for taking up such facilities under XV FC (tied) |

VI **Bio-medical Waste Management :**

| | |
|---|---|
| Total Bio-medical generation: | 1452.746KG/day |
| No. of Hospitals and Health Care Facilities | 85 (02 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).<br><br>M/s Ksepya Environment Management Private Limited has been granted CTE by PCBA for establishment of CBWTF at Kohora Pathar, NH-31, Barpeta. The CBWTF is expected to be commissioned by April, 2022.<br><br>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. Currently, GMC has no Bio-medical Waste Treatment Facility. An NGO namely Clean Air collects Medical waste and their disposal plant is located at Sonapur. |

VII **Hazardous Waste Management :**

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|---|---|
| Total Hazardous Waste generation: | Data being updated |
| No. of Industries generating Hazardous waste | Data being updated |
| 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 has been issued to M/s BEIL Infrastructure Limited for establishment of TSDF. M/s BEIL Infrastructure Limited has engaged M/s Eastern Envo Project for conducting study on Hazardous waste generation and detailed plan for collection and transportation of hazardous waste. M/s Eastern Envo Protect has started visiting the industries for the study. Field visits of industries around Guwahati has completed and survey in other parts of the state has been initiated. DPR shall be finalized as soon as the study report is submitted by M/s Eastern Envo Protect. |

VIII **Plastic Waste Management :**

| | | |
|---|---|---|
| Total Plastic Waste generation: | 44 TPD (For 95 ULBs)<br>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. One comprehensive Plan for GMC has been prepared and in process. | |
| | REST OF THE ULBs- Plastic wastes generated in ULBs are managed through Recyclers/rag pickers,MRFs Cement Plants and construction of roads. | |
| | ◦ Mini MCF in each village and MCF in each GP level is under construction under 15th FC tied grant.<br>◦ 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. | |
| IX Details of Alternate Treatment Technology being adopted by the State/UT | | |
| X 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.<br>**Rest of the ULBs** : Instructions were issued to all ULBs and data is under process of collection.<br><br>◦ In Kamrup ZP,1 drain falls in Kamalpur Beel<br>◦ In Nalbari ZP,1drain falls in Pagladia River<br>◦ 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.<br>◦ 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.<br>◦ 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)<br>◦ 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 December, 2021)** | **No. of stretches in January-March, 2022** |
|---|---|---|---|---|---|
| Priority-I | 3 | 5 | 3 | 1 | 1 |
| Priority-II | 1 | - | 1 | 3 | 3 |
| Priority-III | 4 | - | 1 | 1 | 1 |
| Priority-IV | 3 | - | - | - | - |
| Priority-V | 33 | 9 | 1 | 4 | 4 |
| Not Polluted | - | 30 | 38 | 35 | 35 |
| Total | 44 | 44 | 44 | 44 | 44 |

| | | |
|---|---|---|
| | | Detailed status of water quality of polluted river stretches in Assam (January to March, 2022) is at **Annexure-II** Cleaning and dredging activities as per the Action Plan has been started in Bharalu River and Silsako Beel. Action will be taken as per SBM 2.0 under DoH&UA. |
| XIV | Ground water regulation | As per previous report |
| XV | Good irrigation practices being adopted by the State: | As per previous report |
| XVI | Rain Water Harvesting | **Guwahati** : Made applicable as per Guwahati Building Bye-Laws 2014.<br>**Rest of the ULBs**-Action Plan and Guideline for Rain water harvesting were issued to ULBs.<br><br>▪ 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.<br>▪ In Dibrugarh, rain water is being harvested through natural/artificial ponds.<br>• In other Zilla Parishads, it is proposed to take up of schemes under MGNREGA/ASFC/15th FC. |
| XVII | Demarcation of Floodplain and removal of illegal encroachments: | Guwahati : Action taken on unathorized 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 w.e.f. 8th March, 2022. To prevent Urban flooding in Guwahati city, the Corporation has started De-siltation works of river channels, flood drains and other drains from December, 2021. 476 nos. priority drains identified with a length of 576 KM. Estimated silt to be removed is 233073CU. River channels like Bharalu, Mora-Bharalu, Bahini, Lakhimijan, Bahini, Basistha will be cleaned during the De-siltation exercise which has already begun. Super Sucker Machines, dumpers, JCB machines and Barge are being used for the exercise besides manual labour. |
| 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/-)<br><br>▪ In Nagaon ZP, Schemes for cleaning the Samaguri beel along with plantation is being taken up under MGNREGA,<br>• In Udalguri District, plantation work has been started in Panchnoi River under MGNREGA.<br>Environment and Forest Department, Govt. of Assam planted trees along the Brahmaputra River in Guwahati City area. |
| XX | Development of biodiversity park: | • Parks are improvised through AMRUT and GMDA.<br>Biodiversity Management Committee has been formed in all Zilla Parishads |
| XXI | Reuse of Treated Water | Action will be taken as per SBM 2.0 and AMRUT 2.0 |
| XXII | Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: | The Govt. of Assam has decided to adopt 'Bharalu River' as Model River and will notify very shortly. |
| 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.<br><br>GUWAHATI- Action iniated and notices served.<br><br>REST OF THE ULBs-<br>• 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.<br>• 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.<br><br>RLB: in Kamrup and Udalguri ZPs, pollution and law violators are fined Rs. 500/- |

Annexure I

List of MSW facilities & MRF

| o. | MSW processing facility | Nos. | Capacity (TPD) | Utilization (TPD) | Type of processing |
|---|---|---|---|---|---|
| 1 | Centralized Processing Facilities | 31 | 488.14 | 192 | Waste to Compost |
| 2 | Decentralized/Vermi/Window/Pit Composting | 59121 | 239 | 57 | Waste to Compost |
| 3 | Material Recovery Facility | 144 | 430 | 157 | 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 | 1.26 | 1 | 15 | 66.32% | 8.40% | |
| 2 | Bongaigaon MB | 10.5 | 9.5 | 4 | 30 | 47.17% | 16.67% | |
| 3 | Dibrugarh MB | 38 | 18 | 1 | 100 | 47.36 | 21.00% | |
| 3 | Hailakandi MB | 2.1 | 1.7 | 3 | 5 | 70% | 28.00% | |
| 4 | Jorhat MB | 17.5 | 4.5 | 3 | 16 | 25.71% | 28.12% | |
| 5 | Kokrajhar MB | 6.68 | 4.72 | 2 | 18.64 | 70.66% | 25.32% | |
| 6 | Mongaon MB | 1.4 | 1 | 1 | 0.5 | 71.43% | 200.00% | |
| 7 | Palashban MB | 0.6 | 0.3 | 1 | 0.5 | 50.00% | 60.00% | |
| 8 | Silchar MB | 60 | 38 | 5 | 67 | 63.33% | 56.72% | |
| 9 | Sibsagar MB | 8 | 4 | 1 | 10 | 50.00% | 40.00% | |
| 10 | Tezpur MB | 16.22 | 10.11 | 4 | 151 | 62.33% | 6.69% | |
| 11 | Tinsukia MB | 23.44 | 15 | 4 | 16.5 | 63.99% | 90.91% | |
| 12 | Titabar MB | 1.1 | 0.8 | 1 | 5 | 66.67% | 16.00% | |
| | TOTAL | 187.44 | 108.89 | 31 | 435.14 | 57.60% | 25.02% | |

B) Decentralized Plants: 59121 nos. Total Capacity: 239 TPD Utilization: 62 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 59121

ANNEXURE – II

2049

## c) Water quality Status of Polluted River stretches in Assam (January to March, 2022)

| Sl. No. | Name of the River | BOD (mg/l) | | Current Priority |
|---|---|---|---|---|
| | | Min | Max | |
| **Priority I** | | | | |
| 1 | Bharalu river | 37.4 | 38.2 | I |
| 2 | Borsola beel | 28.6 | 29.4 | II |
| 3 | Silsako beel | 19.2 | 19.7 | III |
| **Priority II** | | | | |
| 4 | Sorusala beel | 28.4 | 29.6 | II |
| **Priority III** | | | | |
| 5 | Kamalpur beel | 28.7 | 29.6 | II |
| 6 | Deepor beel | 5.3 | 5.9 | V |
| 7 | Digboi river | 3.8 | 4.3 | V |
| 8 | Panchnoi river | 2.4 | 2.7 | Not Polluted |
| **Priority IV** | | | | |
| 9 | Kharasang river | 2.1 | 2.6 | Not Polluted |
| 10 | Brahmaputra River | 2.2 | 2.8 | Not Polluted |
| 11 | Pagladia river | 2.4 | 2.9 | Not Polluted |
| **Priority V** | | | | |
| 12 | Buridihing river | 2.4 | 2.8 | Not Polluted |
| 13 | Disang river | 2.4 | 2.8 | Not Polluted |
| 14 | Borbeel | 2.6 | 2.8 | Not Polluted |
| 15 | Gabharu river | 2.2 | 2.8 | Not Polluted |
| 16 | Mora Bharali river | 3.3 | 3.6 | V |
| 17 | Puthimari river | 2.6 | 2.8 | Not Polluted |
| 18 | Baroi river | 2.6 | 2.8 | Not Polluted |
| 19 | Jia Bharali river | 2.2 | 2.7 | Not Polluted |
| 20 | Barak river | 2.0 | 2.6 | Not Polluted |
| 21 | Sonai river | 2.6 | 2.8 | Not Polluted |
| 22 | Malini beel | 2.6 | 2.9 | Not Polluted |
| 23 | Bega river | 3.3 | 3.9 | V |
| 24 | Beki river | 2.4 | 2.8 | Not Polluted |

Annexure – II 2050

| Sl. No. | Name of the River | BOD (mg/l) | | Current Priority |
|---|---|---|---|---|
| 25 | Bhogdoi river | 2.6 | 2.8 | Not Polluted |
| 26 | Jhanji river | 2.4 | 2.5 | Not Polluted |
| 27 | Boginadi near | 2.4 | 2.6 | Not Polluted |
| 28 | Dikrong river | 2.3 | 2.7 | Not Polluted |
| 29 | Ranganadi river | 2.4 | 2.7 | Not Polluted |
| 30 | Dhansiri river | 2.4 | 2.8 | Not Polluted |
| 31 | Kohora river | 2.6 | 2.8 | Not Polluted |
| 32 | Dikhow river | 2.5 | 2.9 | Not Polluted |
| 33 | Sankosh river | 2.5 | 2.7 | Not Polluted |
| 34 | Bordoibum Beelmukh | 2.7 | 2.9 | Not Polluted |
| 35 | Holudunga beel | 2.5 | 2.8 | Not Polluted |
| 36 | Diplai beel | 2.3 | 2.8 | Not Polluted |
| 37 | Samaguri beel | 2.3 | 2.8 | Not Polluted |
| 38 | Kolong river | 2.2 | 2.7 | Not Polluted |
| 39 | Killing river | 2.4 | 2.8 | Not Polluted |
| 40 | Kapili river | 2.8 | 2.9 | Not Polluted |
| 41 | Son Beel | 2.6 | 2.9 | Not Polluted |
| 42 | Tengapukhuri | 2.6 | 2.9 | Not Polluted |
| 43 | Parashali beel | 2.2 | 2.7 | Not Polluted |
| 44 | Kulsi river | 2.4 | 2.7 | Not Polluted |