

-61-

# Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpyngngad, Shillong - 793014

Website : <http://megspcb.gov.in>



No. MPCB/GEN-285/ANNEXED IX B/2025-2026/61

Dated Shillong the 11<sup>th</sup> Nov 2025

To,

The Secretary,  
Government of India,  
Ministry of Jal Shakti,  
Department of Water Resources, River Development & Ganga Rejuvenation,  
Shram Shakti Bhawan Rafi Marg,  
New Delhi -110001.

Email: [ruby.raju@nmcg.nic.in](mailto:ruby.raju@nmcg.nic.in)

Sub: **Submission of Monthly Progress Report for ensuring compliance to the Hon'ble NGT matter OA No 673 / 2018 for the month of July to September 2025.**

Sir/Madam,

With reference to the above, please find enclosed herewith the Monthly Progress Report for the month of July to September 2025 for favour of your kind information and necessary action.

Yours faithfully

Enclo: As stated

  
(Dr. G.H. CHYRMANG, MFS)  
MEMBER SECRETARY  
MSPCB, SHILLONG

Memo No. MPCB/GEN-285/ANNEXED IX B/2025-2026/61-A

Dated Shillong the 11<sup>th</sup> Nov 2025

Copy to: -

1. The Principal Chief Conservator of Forest (Working Plan, Research & Training) cum Chairman of River Rejuvenation Committee, Meghalaya, Shillong-793001 for favour of information.
2. The Director of Urban Affairs cum Member Convener of the RRC, Meghalaya, Shillong for information.
3. Shri. P. K. Mishra, DH, WQM-I, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032 for kind information. Email: [eeepkm.cpcb@nic.in](mailto:eeepkm.cpcb@nic.in)/[suniti.cpcb@gov.in](mailto:suniti.cpcb@gov.in)

  
MEMBER SECRETARY  
MSPCB, SHILLONG



**NATIONAL MISSION FOR CLEAN GANGA**  
**FORMAT FOR SUBMISSION OF MONTHLY PROGRESS REPORT IN THE NGT MATTER OA**  
**No.673 OF 2018 (IN COMPLIANCE TO NGT ORDER) DATED 24.09.2020 FOR THE MONTH OF**  
**JULY TO SEPTEMBER 2025 FOR THE STATE OF MEGHALAYA**

**OVERALL STATUS OF THE STATE:**

- I. Total Population: Urban Population & Rural : (5,95,450 & 23,71,439)29,64,007  
Population
- II. Estimated Sewage Generation (MLD) (2025) : 53.30 MLD in Urban
- III. **Details of Sewage Treatment Plant**
  - Existing no of STPs and Treatment Capacity (MLD) : 19
  - Capacity Utilization of existing STPs (MLD) : 7.57 MLD in Urban Areas
  - MLD of Sewage being treated through alternate : 18.63 (Other forms of treatment of septic tank)  
technology
  - Gap in treatment Capacity in MLD : 45.72 MLD in urban areas (13.14 MLD -  
Ongoing Project & 21.5 MLD- propose for  
treatment under SBM 2.0, Urban)
  - No of operational STPs : 19
  - No of complying STPs : 19
  - No of non-complying STPs : -

**DETAILS OF EACH EXISTING STP IN THE STATE**

| SN  | Location                                                                                     | Existing STP<br>Capacity<br>MLD | Capacity<br>being utilized<br>MLD | Operational<br>Status of STP | Compliance<br>status of STP |
|-----|----------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|------------------------------|-----------------------------|
| 1.  | Residential colony of Meghalaya Cements Ltd., Thangskai, East Jaintia Hills District         | 0.1                             | 0.06                              | Operational                  | Complying                   |
| 2.  | Residential colony of Star Cements Ltd., Lumshnong, East Jaintia Hills District              | 0.4                             | 0.239                             | Operational                  | Complying                   |
| 3.  | North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Mawdiangdiang | 1                               | 1                                 | Operational                  | Complying                   |
| 4.  | Residential colony of M/S Lafarge Umiam Mining Pvt. Ltd., Nongtra                            | 0.12                            | 0.03                              | Operational                  | Complying                   |
| 5.  | Residential School –JNV, Mawphlang                                                           | 0.1                             | 0.02                              | Operational                  | Complying                   |
| 6.  | Polo Market, Shillong                                                                        | 0.05                            | 0.05                              | Operational                  | Complying                   |
| 7.  | Green valley industries Ltd, Nongsning, EJH                                                  | 0.03                            | 0.03                              | Operational                  | Complying                   |
| 8.  | Dalmia Cement (Bharat) Ltd, Thangskai, EJH                                                   | 0.05                            | 0.04                              | Operational                  | Complying                   |
| 9.  | Septage Treatment plant, Shillong                                                            | 0.115                           | 0.06                              | Operational                  | Complying                   |
| 10. | FSTP Marten, Shillong                                                                        | 0.115                           | 0.115                             | Operational                  | Complying                   |
| 11. | FSTP Doldegre, Tura.                                                                         | 0.05                            | 0.05                              | Operational                  | Complying                   |



|     |                                     |       |       |             |           |
|-----|-------------------------------------|-------|-------|-------------|-----------|
| 12. | FSTP Resubelpara Municipal Board.   | 0.03  | 0.03  | Operational | Complying |
| 13. | FSTP Baghmara Municipal Board       | 0.015 | 0.015 | Operational | Complying |
| 14. | STP Police Bazaar Shillong, Marriot | 0.25  | 0.25  | Operational | Complying |
| 15. | STP Polo Municipal Market, Shillong | 0.075 | 0.075 | Operational | Complying |
| 16. | Parking Lot Anjalee, Shillong       | 0.06  | 0.06  | Operational | Complying |
| 17. | Shillong Municipal Board, FSTP      | 0.35  | 0.35  | Operational | Complying |
| 18. | Jowai Municipal Board               | 0.055 | 0.055 | Operational | Complying |
| 19. | Williamnagar Municipal Board        | 0.03  | 0.03  | Operational | Complying |

#### Summary of Current Status of Liquid Waste Management in Meghalaya

| Sl. No. | Particular                                                                      | Present Status                      |                                           |
|---------|---------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|
| 1.      | Sewage Generation (in MLD)                                                      | 53.30                               |                                           |
| 2.      | Existing Treatment Facilities capable of treating the sewage presently (in MLD) | 7.579                               |                                           |
| 3.      | Details of Treatment of Sewage                                                  |                                     |                                           |
|         | a. By STPs (in MLD)                                                             | 1.377                               |                                           |
|         | b. Type of STPs (in MLD)                                                        | SBR/MBBR                            |                                           |
|         | c. FSTP (in MLD)                                                                | 0.65                                |                                           |
|         | d. Nallah In - situ Remediation (in MLD)                                        | 1.92                                |                                           |
|         | e. ETP (in MLD)                                                                 | 3.64                                |                                           |
|         | f. Final Destination                                                            | Recycled/ discharged in drain storm |                                           |
| 4.      | Details of disposal of untreated Sewage (in MLD)                                |                                     |                                           |
|         | a. Final destination of Discharge of untreated sewage (in MLD)                  | 19.08                               | Black Water to Septic tank with Soak pit. |
|         |                                                                                 | 26.63                               | Grey Water (drains/streams/ rivers.       |
| 5.      | Gap in liquid waste management                                                  | 45.72                               |                                           |

#### LIQUID WASTE MANAGEMENT (LWM) FACILITIES ALREADY CONSTRUCTED AND LWM FACILITIES UNDER CONSTRUCTION IN SHILLONG & JOWAI TOWNS

| SHILLONG |                                                         |                                       |                   |                                                                                           |                                                                                          |
|----------|---------------------------------------------------------|---------------------------------------|-------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| SN       | Location                                                | No of in-situ nullah Treatment Plants | % of construction | Remarks                                                                                   | September 2025 Updated Status                                                            |
| 1.       | Pomdngiem Drain (also referred as Wah Thangsnang Drain) | 1                                     | 100% completed    | Trial run has been completed                                                              | 1.27 MLD of grey water is being treated by operational of the Nallah In-situ Remediation |
| 2.       | Oakland Drain                                           | 1                                     | 100% completed    | Trial run has been completed                                                              |                                                                                          |
| 3.       | Lawmali Drain                                           | 1                                     | 100% completed.   | Water Treatment infra ready for installation and will be installed soon after the monsoon |                                                                                          |
| 4.       | Wahingdoh – Raimohan Drain                              | 1                                     | 100% completed    | Water Treatment infra ready for installation and will                                     |                                                                                          |

|              |                                  |                                       |                 | be installed soon after the monsoon                                                                                     |  |
|--------------|----------------------------------|---------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|--|
| 5.           | Polo Drain                       | 1                                     | 100% completed. | Water Treatment infra ready for installation and will be installed soon after the monsoon                               |  |
| <b>JOWAI</b> |                                  |                                       |                 |                                                                                                                         |  |
| SN           | Location                         | No of in-situ nullah Treatment Plants | Status          | Remarks                                                                                                                 |  |
| 1.           | Syntu Ksiar (near Myntwa Stream) | 1                                     | 100% Completed  | So far, treatment of 0.65 MLD of grey water is being initiated by Nullah In-situ Remediation Plants installed in Jowai. |  |
| 2.           | Panaliar                         | 1                                     | 100% Completed  |                                                                                                                         |  |
| 3.           | Caroline Colony                  | 1                                     | 100% Completed  |                                                                                                                         |  |
| 4.           | Ladthadlaboh west                | 1                                     | 100% Completed  |                                                                                                                         |  |
| 5.           | Khimusniang                      | 1                                     | 100% Completed  |                                                                                                                         |  |
| 6.           | Umshangiar                       | 1                                     | 100% Completed  |                                                                                                                         |  |
| 7.           | Iawmusniang                      | 1                                     | 100% Completed  |                                                                                                                         |  |
| 8.           | Mynthong1                        | 1                                     | 100% Completed  |                                                                                                                         |  |
| 9.           | Mynthong2                        | 1                                     | 100% Completed  |                                                                                                                         |  |
| 10.          | Panaliar Mutong                  | 1                                     | 100% Completed  |                                                                                                                         |  |
| 11.          | Liar Kdongtrieriat Panaliar      | 1                                     | 100% Completed  |                                                                                                                         |  |

#### STATUS OF LIQUID WASTE MANAGEMENT PROJECTS UNDER CONSIDERATION

| SN | Particulars                             | Approved no. | Approved Capacity /numbers | Remarks                                                                                                                                                                                                                                                                                                                                                               |
|----|-----------------------------------------|--------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Desludging Vehicles                     | 8            | 8 Nos                      | <ul style="list-style-type: none"> <li>➤ Cesspools tankers were purchased by.               <ul style="list-style-type: none"> <li>1 Williamnagar Municipal Board.</li> <li>2 Resubelpara Municipal Board.</li> </ul> </li> <li>➤ Tura Municipal has placed an order for procuring a cesspool.</li> <li>➤ Tendering process is in progress for other ULBs.</li> </ul> |
| 2. | STPs                                    | 8            | 21.5 MLD                   | 1. ULBs has identified land for setting up of STPs.<br>2. Feasibility study to be conducted.                                                                                                                                                                                                                                                                          |
| 3. | I & D (Interception & Diversion Drains) | 8            | 23 KMs                     |                                                                                                                                                                                                                                                                                                                                                                       |
| 4. | Rampyrthai, Jowai                       | 1            | 540 KLD                    | 1. DPR is under examination.                                                                                                                                                                                                                                                                                                                                          |



### DETAILS OF UNDER CONSTRUCTION FSSMS/FSTPS IN THE STATE

| SN | Name of ULBs                                   | No of Treatment Plants | Capacity    | Status Present Status | Remarks     |
|----|------------------------------------------------|------------------------|-------------|-----------------------|-------------|
| 1. | Shillong Municipal Board                       | 1                      | 0.35<br>MLD | 100%                  | Operational |
| 2. | Jowai Municipal Board                          | 1                      | 50KLD       | 100%                  | Operational |
| 3. | Williamnagar Municipal Board                   | 1                      | 30 KLD      | 100%                  | Operational |
| 4. | Faecal Sludge & Septage management, Khliehriat | 1                      | 0.04<br>MLD | 100%                  | Operational |

### DETAILS OF UNDER CONSTRUCTION STPS IN THE STATE

| SN | Location                                                             | No of Treatment Plants | Capacity    | Present Status | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|----------------------------------------------------------------------|------------------------|-------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Municipal filling point, Kenches Trace                               | 1                      | 3.17<br>MLD | 99%            | Trial run of the onsite STPs have been conducted. However, since they were earlier envisaged to treat the outfalls which is mixed with storm, springs and stream water, it was found out that the operation of the plants becomes practically challenging as constant pumping of the outfall water has to be carried out. Therefore, a re-engineering of the system is necessary and have been undertaken to facilitate treatment of waste water exclusively. Diversion drains are being constructed to channelize the black and grey water only to the constructed STPs and the revised timeline for operationalizing these STPs is October 2025. |
| 2. | Junction of Wahingdoh and Umkhrah                                    | 1                      | 7.12<br>MLD | 99%            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3. | Junction of Wahdasoi and Umkhrah                                     | 1                      | 0.85<br>MLD | 99%            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4. | By the site of Wahpomdngiem behind SMB Complex at Bishop Cotton Road | 1                      | 2.00<br>MLD | 99%            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5. | Junction of Wah Thangsniang and Umkhrah                              | 1                      | 0.28<br>MLD |                | Yet to start because of land ownership issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### 3 DETAILS OF INDUSTRIAL POLLUTION

- No. of industries in the State : 1559
- No. of water polluting industries in the state : 260
- Quantity of effluent generated from the industries in MLD : 3.5
- Quantity of hazardous sludge generated from the industries in TPD : 1.3105
- No. of industrial units having ETPs : 255
- No of Industrial units connected to CETPs : Nil
- Compliance status of the ETPs : Complying
- No and total capacity of CETPs (details of existing/under construction /proposed) : Nil

| Town                              | No of Industries | Industrial discharge (MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|-----------------------------------|------------------|----------------------------|----------------|-----------------------------------------------------------|
| Shillong                          | 221              | 1.9                        | Complying      | -                                                         |
| Byrnihat                          | 30               | 0.69                       | Complying      | -                                                         |
| Nongstoin and Mairang             | 8                | 0.13                       | Complying      | -                                                         |
| Ladrymbai & Khliehriat            | 12               | 0.02                       | Complying      | -                                                         |
| Jowai                             | 28               | 0.95                       | Complying      | -                                                         |
| Khliehriat, Myndihati & Lumshnong | 11               | 0.15                       | Complying      | -                                                         |
| Tura                              | 24               | 0.30                       | Complying      |                                                           |
| Umiam                             | 15               | 0.1                        | Complying      | -                                                         |

#### STATUS OF ULB WISE MANAGEMENT OF SOLID WASTE

##### 4 SOLID WASTE MANAGEMENT

- Total number of Urban Local Bodies and their Population: 10 Nos, (7,25,247)
- Current Municipal Solid Waste Generation: 314.5 TPD
- Current Waste Process 180.7 TPD (Composting: 107.5 TPD, RDF: 8 TPD, Others: 65.2 TPD)
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g. Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.: Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):
- No. And capacity of C & D waste processing plants in TPD (Existing, proposed and under construction):  
**None**
- Total no. Of wards, having door to door collection service, No. of wards practicing segregation at source:
- **97 wards have door to door collection service; 75 wards practicing segregation at source.**
- Details of MSW treatment facilities proposed and under construction (no. Capacity, and technology):

##### 5 SOLID WASTE MANAGEMENT IN MEGHALAYA

With reference to the physical progress in the Solid Waste Management sector, the State has increased its collection, transportation, and processing of solid waste, in terms of volume, thereby reducing the gap correspondingly.

##### 1. SUMMARY OF CURRENT STATUS OF SOLID WASTE MANAGEMENT IN MEGHALAYA

| Sl. No. | Particular                                                  | Present Status |     |
|---------|-------------------------------------------------------------|----------------|-----|
| a       | Quantity of MSW Generated (TPD)                             | 314.5          |     |
| b       | Quantity of MSW processed (TPD)                             | 180.7          | 57% |
|         | Final Destination of generated waste                        |                |     |
|         | 1. Compost                                                  | 107.5          | 34% |
|         | 2. RDF                                                      | 8              | 3%  |
|         | 3. Scraps (by the informal sector registered with the ULBs) | 62.2           | 20% |
|         | 4. Incineration                                             | 3              | 1%  |
| c       | 5. Quantity of Inert disposed in Secured Landfill Site *    | 30             | 10% |
| d       | 6. Gap in Solid waste management UTs (TPD) d = (a- b- c)    | 103.8          | 33% |



The current status includes 7 Municipal Boards, 3 Town Committees and Shillong Urban Agglomeration to indicate the comprehensive solid waste management scenario in the State. Further, treatment and disposal of solid waste in Shillong Urban Agglomeration areas is also undertaken by the Shillong Municipal Board.

## 2. LEGACY WASTE MANAGEMENT

With reference to the physical progress in the Legacy Waste Management, a total of 7,41,321 MT is the estimated Legacy Waste Quantity and Legacy Waste Remediated is 2,23,166 Metric Tons for Shillong and Tura. Legacy waste remediation for other Urban Towns of Meghalaya Preliminary activities is being initiated.

### STATUS OF SOLID WASTE MANAGEMENT CURRENTLY UNDERTAKEN

Status Solid Waste Management Processing for 10 Urban Local Bodies of Meghalaya

| EXISTING PROCESSING PLANTS            | Name of ULBs                 | Component                      | Capacity (in TPD) | Remarks                                                                                                                                                                                                                  |
|---------------------------------------|------------------------------|--------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | Shillong Municipal Board     | Compost Plant                  | 170               | The plant is operational, with a current processing capacity of 106 TPD.                                                                                                                                                 |
|                                       |                              | MSW Incinerator                | 4                 | The plant is operational, with a current processing capacity of 3 TPD.                                                                                                                                                   |
|                                       | Jowai Municipal Board        | Compost Plant                  | 1.5               | Operational                                                                                                                                                                                                              |
|                                       | TOTAL                        |                                | 175.5             |                                                                                                                                                                                                                          |
| COMPLETED PROJECTS AS OF OCTOBER 2025 | Name of ULBs                 | Component                      | Capacity (in TPD) | Remarks                                                                                                                                                                                                                  |
|                                       | Tura Municipal Board         | RDF plants                     | 10                | Operationalizing of the processing plants is in progress. MOU s with Self Help Groups, Local Agencies is being finalize as the SHGs/Agencies are yet to obtain the Authorization from the State Pollution Control Board. |
|                                       |                              | Material Recovery Centre       | 10.5              |                                                                                                                                                                                                                          |
|                                       | Jowai Municipal Board        | Decentralized Composting Units | 4.5               |                                                                                                                                                                                                                          |
|                                       |                              | Material Recovery Facility     | 4                 |                                                                                                                                                                                                                          |
|                                       | Williamnagar Municipal Board | Compost Plant                  | 5.5               |                                                                                                                                                                                                                          |
|                                       |                              | Material Recovery Facility     | 3.5               |                                                                                                                                                                                                                          |
|                                       | Resubelpara Municipal Board  | Material Recovery Facility     | 3                 |                                                                                                                                                                                                                          |
|                                       |                              |                                |                   |                                                                                                                                                                                                                          |
|                                       | TOTAL                        |                                | 41                |                                                                                                                                                                                                                          |
|                                       |                              |                                |                   |                                                                                                                                                                                                                          |
| ONGOING PROJECTS                      | Name of ULBs                 | Component                      | Capacity (in TPD) | Timeline                                                                                                                                                                                                                 |
|                                       | Shillong Municipal Board     | Material Recovery Centre       | 25                | Dec-25                                                                                                                                                                                                                   |
|                                       | Resubelpara Municipal Board  | Compost Plant                  | 4.5               | Dec-25                                                                                                                                                                                                                   |
|                                       | Mairang Town Committee       | Compost Plant                  | 3.5               | Dec-25                                                                                                                                                                                                                   |
|                                       |                              | Material Recovery Facility     | 2                 | Dec-25                                                                                                                                                                                                                   |

|                                         |                           |                                |      |        |
|-----------------------------------------|---------------------------|--------------------------------|------|--------|
|                                         | Tura Municipal Board      | Decentralized Composting Units | 10   | Mar-26 |
|                                         | Shillong Cantonment Board | Material Recovery Facility     | 2    | Mar-26 |
|                                         | Nongstoin Town Committee  | Compost Plant                  | 7    | Jun-26 |
|                                         |                           | Material Recovery Facility     | 4.5  | Jun-26 |
|                                         | Nongpoh Town Committee    | Compost Plant                  | 3    | Jun-26 |
|                                         |                           | Material Recovery Facility     | 2    | Jun-26 |
|                                         | Baghmara Municipal Board  | Compost Plant                  | 3    | Jun-26 |
|                                         |                           | Material Recovery Facility     | 2    | Jun-26 |
| TOTAL                                   |                           |                                | 68.5 |        |
| Total Capacity of the Processing Plants |                           |                                | 285  |        |

- **No. And area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills:**  
**Current status of setting up Sanitary Landfills sites in various ULBs in Meghalaya**

| Towns        | District         | Location    | Area (Acre) | Mar-25                                                                                                                          | Progress (Present Status)                                                                                            |
|--------------|------------------|-------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Shillong     | East Khasi Hills | Nonghali    | 112         | Environment Clearance is in progress                                                                                            | Public Hearing Completed. Awaiting for the Environment Clearance from State Environment Impact Assessment Authority. |
| Tura         | West Garo Hills  | Wakkagre    | 21.02       | Environmental Clearance is being initiated                                                                                      | Environmental Clearance is under progress                                                                            |
| Williamnagar | East Garo Hills  | Rongakgre   | 37          | Environmental Clearance is being initiated                                                                                      | Environmental Clearance is under progress                                                                            |
| Resulbelpara | North Garo Hills | Elachi Apal | 14          | The Task Force Committee is conducting further feasibility study of the identified land.                                        | New Land has been identified and sent for survey and approval                                                        |
| Baghmara     | South Garo Hills | Arapara     | 15          | Proposal for land has been received<br>The Task Force Committee is conducting further feasibility study of the identified land. | New Land has been identified and sent for survey and approval                                                        |



|       |                    |         |    |                                                                                             |                                                                                                                                             |
|-------|--------------------|---------|----|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Jowai | West Jaintia Hills | Umlamat | 52 | Land has been identified at Umlamat Elaka Jowai Environmental Clearance is being initiated. | Awareness Campaign on for the Stakeholders on the Plans of setting up of Landfill Site Completed. Environmental Clearance is under progress |
|-------|--------------------|---------|----|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

#### 6 Bio-medical Waste Management:

- Total Bio-medical generation: **2840.66 Kg/day**
- No. of Hospitals and Health Care Facilities: **1066**
- Status of Treatment Facility/CBMWTF:
  - a) Common Bio-Medical waste treatment is completed and is in operation.
  - b) The Urban Affairs has procured three Bio-medical Wastes vehicles solely for transport of Bio-medical Wastes

#### 7 Hazardous Waste Management:

- Total Hazardous Waste generation: 498.4434 KL/annum
- No. of Industries generating Hazardous waste: The following 19 (Nineteen) units are authorised under the hazardous & other waste (Management & Transboundary Movement) Rules, 2016. waste
  1. M/s Star Cement Ltd., Lumshnong, EJJ District
  2. M/s Star Cement Meghalaya Ltd., Lumshnong, EJJ District
  3. M/s Megha Technical Engineers Pvt. Ltd., Lumshnong, EJJ District
  4. M/s Dalmia Bharat (Cement) Ltd, Thangskai, EJJ District
  5. M/s Meghalaya Cements Ltd., Thangskai, EJJ District
  6. M/s Amrit Cements Ltd., Umlaper, EJJ District
  7. M/s Green Valliey Industries Ltd., Nongsning, East Jaintia Hills District
  8. M/s Goldstone Cement Ltd., Musiang Lamare (Old), East Jaintia Hills District
  9. M/s Hills Cement Company Ltd., Mynkre , East Jaintia Hills District
  10. M/s CMJ Breweries Pvt. Ltd., Extended EPIP, Byrnihat, Ri-Bhoi District
  11. M/s Shyam Century Ltd., EPIP, Byrnihat, Ri-Bhoi District
  12. M/s Maithan Alloys Ltd., EPIP, Byrnihat, Ri-Bhoi District
  13. M/s NTL Steels, EPIP, Byrnihat, Ri-Bhoi District (**Galvanising Unit**)
  14. M/s Nezone Pipes & Structures, Extended EPIP, Byrihat, Ri-Bhoi District (**Galvanising Unit**)
  15. M/s Godrej Consumers (P) Ltd., 15<sup>th</sup> Mile, Byrnihat, Ri-Bhoi District
  16. M/s Pioneer Carbide (P) Ltd., Upper Baliyan, Umtru Road, Byrnihat, Ri-Bhoi District
  17. M/s Lafarge Umiam (P) Ltd, Nongtra, East Khasi Hills District
  18. M/s Meghalaya Power Ltd., Lumshnong, East Jaintia Hills District (8MW)
  19. M/s Meghalaya Power Ltd., Lumshnong, East Jaintia Hills District (43 MW)
- Treatment Capacity of all TSDF's: **Not available**
- Avg. Quantity of Hazardous waste reaching the TSDF's and Treated: **Nil**

- Details of on-going or proposed TSDF: **Types of hazardous wastes generated are recyclable & Landfillable.** All the recyclable hazardous waste generated are either sold to the registered CPCB recyclers or reuse by the Industrial units as lubricants or as fuel particularly by Cement plants. It may be informed that out of these, there are 2 Galvanising Units producing landfillable hazardous wastes in the state of Meghalaya. Since there is no common Hazardous waste Treatment & Disposal facilities in the entire North East Region, these units have established their own in-house disposal facility for such wastes provided with a proper covered cemented floor and liner on top to prevent contamination of soil and underground water.

**8 Plastic Waste Management:**

- Total Plastic Waste generation: 2223.6 TPA
- Treatment/Measures adopted for reduction or management of plastic waste:
  - a) The plastic wastes are collected as municipal waste. The plastic waste was segregated from the dry waste at the dumpsite and collected for compaction and bailing and send to Cement Plants for co-processing to be used as Fuel.
  - b) Used for roadmaking in some parts of Tura, and Nongstoin.
  - c) Recyclable plastic sends for recycling to Assam by Tura Municipal Board.

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

Identification of polluting sources including drains contributing to river pollution and action as per NGT order onIn-Situ treatment:

- 9 Details of Nodal Officer appointed by Chief Secretary in the State/UT: **The Government has constituted a Monitoring Committee under the chairmanship of the Principal Secretary to the Govt. of Meghalaya, Forests& Environment Department vide no.ENV.4/2018/426; Dated Shillong the 19<sup>th</sup> June 2020.**
- 10 Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
- 11 Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river: **Enclosed as II A to Annexure IX B**
- 12 Ground water regulation: **For Domestic purpose –District Level Committee Ground Water Resource (Deputy commissioner of respective District as Chairman and official of Water resources as Member Secretary) looks after it and grant NOC For Commercial purpose - State Level Committee Ground Water Resource (Commissioner & Secretary, Water Resources as Chairman and Regional Director, CGWB, NER, as Member Convener) looks after it and grant NOC.**
- 13 Good irrigation practices being adopted by the State: Traditional Bamboo Drip Irrigation
- 14 Rain Water Harvesting:(a) Rain water harvesting implemented for Schools and government buildings. (b) Incorporated as one of the conditions while giving permission for any house construction
- 15 Demarcation of Floodplain and removal of illegal encroachments:
  - a) **Network design including the proposed additional installation submitted. Field Survey report of Umkhrah, Nonbah, Umtrew and Myntdu have been submitted and various inputs for catchment models have also been prepared. 80% of the work have been completed.**
  - b) **Setting up of HO stations was completed. Hydro-meteorological data from the installed instruments have been collected and compiled for the month of July**



- c) The rain gauges and staff gauges have been installed in all the four study river basins and data collection was initiated from 1<sup>st</sup> May 2022.
  - d) Flood models of Umkhrah, Nonbah, Umtrew and Myntdu have been simulated for 2,5,10,25,50, and 100 years return period floods and team is reviewing the results.
  - e) Calibration of flood models for different flood events have been started. Method to estimate areal rainfall from observed point rainfall is being analysed.
  - f) Major work of Draft Feasibility Study Report is completed in July 2022.
  - g) Flood inundation scenarios with and without considering the flood protection at various locations in Umkhrah, Nonbah, Umtrew and Myntdu have been generated .
  - h) Draft report on Flood Plain Zoning and Flood Mitigation Measures has been submitted and is under review by the Department
- 16 Maintaining minimum e-flow of river: Perennial rivers
- 17 **Plantation activities along the rivers:** Creation of Temporary nursery and preliminary works completed for the catchment area of Nonbahriver. 1800 sapplings planted in the catchment of Umkhrah covering an area of 3.5 km. 500 sapplings planted in the catchment of Umtrew covering an area of 0.5 Ha.
- 18 **Reuse of Treated Water: Stand-alone ETPs are operational in 260 number of hotels/guesthouse/health care centers /Industries and treated wastewater are reuse for gardening/cleaning purpose.**
- a) Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
- 19 Status of Preparation of Action Plan by the 13 Coastal States: Not applicable to the State of Meghalaya
- 20 Regulation of Mining Activities in the State/UT: Mining activities in the State is being regulated under the following acts and rules
- a) **Mines and Minerals (Development and Regulation) Act 1957 and its subsequent amendments**
  - b) **EIA notification ,2006 and its subsequent amendments**
  - c) **Meghalaya Minor mineral Concession Rules 2016 and its subsequent amendments**
  - d) **EP Acts,1986**
  - e) **The Air (Prevention and Control of Pollution) Act,1981 and the Water (Prevention and Control of Pollution) Act,1974**
- 21 Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:
- a) Units which failed to comply to the consent conditions have been issued directions, show cause notice and closure notices
  - b) Units which have been operating without consent from the Pollution Control Board have been issued closure notices under relevant Acts and Rules
  - c) Filing of Complaints to the District Courts

## WATER QUALITY DATA OF POLLUTED RIVER STRETCHES – JULY 2025

| Stations→<br>Parameters↓                | Umshyrpi            |                    | Umkhrah   |          |                            |          | Umtrew<br>at<br>Byrnihat | Nonbah at<br>Nongstoin | Myntdu<br>at Jowai | Lunar River<br>(Tributary of<br>Lukha River)<br>at Myndihati | Kyrhuhkhla<br>River |
|-----------------------------------------|---------------------|--------------------|-----------|----------|----------------------------|----------|--------------------------|------------------------|--------------------|--------------------------------------------------------------|---------------------|
|                                         | Near Law<br>College | Umshyrpi<br>Bridge | Demthring | Umkaliar | Near<br>Slaughter<br>House | Mawpdang |                          |                        |                    |                                                              |                     |
| pH                                      | 7.1                 | 7.2                | 7.1       | 7.3      | 7.2                        | 7.4      | 7.1                      | 6.7                    | 6.8                | 2.9                                                          | 3.0                 |
| Dissolved<br>Oxygen(mg/l)               | 5.3                 | 6.4                | 6.2       | 6.7      | 5.6                        | 5.9      | 7.6                      | 7.5                    | 7.7                | 7.3                                                          | 6.7                 |
| Bio-chemical<br>Oxygen Demand<br>(mg/l) | 17.0                | 7.3                | 9.6       | 3.4      | 14.0                       | 12.0     | 3.5                      | 2.1                    | 1.8                | 1.5                                                          | 2.4                 |
| Faecal Coliform<br>(MPN/100ml)          | 21000               | 2700               | 6400      | 2700     | 17000                      | 14000    | 3800                     | 930                    | 580                | <1.8                                                         | <1.8                |
| Total Coliform<br>(MPN/100ml)           | 79000               | 12000              | 33000     | 8400     | 70000                      | 63000    | 6300                     | 2800                   | 2300               | <1.8                                                         | <1.8                |
| Faecal<br>Streptococci<br>(MPN/100m     | 4300                | 1300               | 1100      | 920      | 4900                       | 4300     | 540                      | 220                    | 170                | <1.8                                                         | <1.8                |



WATER QUALITY DATA OF POLLUTED RIVER STRETCHES –AUGUST 2025

| Stations→<br>Parameters↓                | Umshyrpi            |                    | Umkhrah   |          |                            |          | Umtrew<br>at<br>Byrnihat | Nonbah at<br>Nongstoin | Myntdu<br>at Jowai | Lunar River<br>(Tributary of<br>LukhaRiver) at<br>Myndihati | Kyrhukhla<br>River |
|-----------------------------------------|---------------------|--------------------|-----------|----------|----------------------------|----------|--------------------------|------------------------|--------------------|-------------------------------------------------------------|--------------------|
|                                         | Near Law<br>College | Umshyrpi<br>Bridge | Demthring | Umkaliar | Near<br>Slaughter<br>House | Mawpdang |                          |                        |                    |                                                             |                    |
| pH                                      | 7.1                 | 7.3                | 7.0       | 6.9      | 7.1                        | 7.2      | 7.2                      | 6.8                    | 6.7                | 2.9                                                         | 3.0                |
| Dissolved<br>Oxygen(mg/l)               | 4.5                 | 5.9                | 5.6       | 6.2      | 4.6                        | 4.9      | 7.4                      | 7.2                    | 7.5                | 6.9                                                         | 6.4                |
| Bio-chemical<br>Oxygen Demand<br>(mg/l) | 21.0                | 8.6                | 9.8       | 3.7      | 17.0                       | 14.0     | 3.9                      | 2.5                    | 2.4                | 1.9                                                         | 2.0                |
| Faecal Coliform<br>(MPN/100ml)          | 23000               | 4300               | 7900      | 3100     | 21000                      | 17000    | 4300                     | 1200                   | 630                | <1.8                                                        | <1.8               |
| Total Coliform<br>(MPN/100ml)           | 84000               | 17000              | 38000     | 11000    | 79000                      | 70000    | 7000                     | 3300                   | 2800               | <1.8                                                        | <1.8               |
| Faecal Streptococci<br>(MPN/100m        | 6300                | 2100               | 2300      | 1200     | 5800                       | 4700     | 640                      | 330                    | 210                | <1.8                                                        | <1.8               |

**WATER QUALITY DATA OF POLLUTED RIVER STRETCHES – SEPTEMBER 2025**

| Stations→<br>Parameters↓                         | Umshyrpi            |                    | Umkhrah   |          |                            |          | Umtrew<br>at<br>Byrnihat | Nonbah at<br>Nongstoin | Myntdu<br>at Jowai | Lunar River<br>(Tributary of<br>LukhaRiver) at<br>Myndihati | Kyrhuhkhla<br>River |
|--------------------------------------------------|---------------------|--------------------|-----------|----------|----------------------------|----------|--------------------------|------------------------|--------------------|-------------------------------------------------------------|---------------------|
|                                                  | Near Law<br>College | Umshyrpi<br>Bridge | Demthring | Umkaliar | Near<br>Slaughter<br>House | Mawpdang |                          |                        |                    |                                                             |                     |
| <i>pH</i>                                        | 6.8                 | 6.9                | 6.9       | 6.7      | 7.2                        | 7.3      | 7.2                      | 6.7                    | 6.9                | 3.0                                                         | 2.9                 |
| <i>Dissolved<br/>Oxygen(mg/l)</i>                | 5.0                 | 6.3                | 5.9       | 6.5      | 5.2                        | 5.4      | 7.6                      | 7.0                    | 7.6                | 7.2                                                         | 6.9                 |
| <i>Bio-chemical<br/>Oxygen Demand<br/>(mg/l)</i> | 17.0                | 5.0                | 7.2       | 3.4      | 12.0                       | 11.0     | 3.6                      | 2.9                    | 2.1                | 1.4                                                         | 1.6                 |
| <i>Faecal Coliform<br/>(MPN/100ml)</i>           | 22000               | 3100               | 7000      | 2700     | 17000                      | 14000    | 4000                     | 1100                   | 580                | <1.8                                                        | <1.8                |
| <i>Total Coliform<br/>(MPN/100ml)</i>            | 70000               | 13000              | 36000     | 8400     | 63000                      | 54000    | 6300                     | 2700                   | 2400               | <1.8                                                        | <1.8                |
| <i>Faecal<br/>Streptococci<br/>(MPN/100m</i>     | 5800                | 1400               | 2100      | 790      | 4300                       | 4100     | 540                      | 310                    | 170                | <1.8                                                        | <1.8                |