



MIZORAM STATE POLLUTION CONTROL BOARD

No.H.88088/Poltn/50(XXVIII)/2022-MPCB

: Dated Aizawl, the 6th December, 2022

To,

The Consultant (Judicial) ,
National Green Tribunal
Principal Bench, New Delhi

Subject: Submission of status report on Solid Waste Management and Sewage Management in the matter of O.A. No. 606/2018

Sir,

With reference to the subject cited above, and for the personal appearance of the Chief Secretary before the Hon'ble NGT on 08.12.2022, may I submit herewith the following documents relating to Mizoram for favour of information and necessary action.

- 1) Power Point Presentation on status of Solid Waste Management and Sewage Management in Mizoram
- 2) Fund commitment of the State Government
- 3) Video of Biate Village as reference for best practices
- 4) Report for 2nd Quarter of 2022 – 2023 on Solid wastes management

Yours faithfully,

Enclo: As above


(C. LALDUHAWMA)

Member Secretary

Mizoram Pollution Control Board

Memo. No.H.88088/Poltn/50(XXVIII)/2022-MPCB/

: Dated Aizawl, the 6th December, 2022

Copy to :1 The O.S.D to the Chief Secretary, Govt. of Mizoram

2. The Principal Secretary, EF&CC Department, Govt. of Mizoram

3. The Secretary, UD & PA Department, Govt. of Mizoram


(C. LALDUHAWMA)

Member Secretary

Mizoram Pollution Control Board

Commitment of Government of Mizoram for Solid waste and sewage management

It is brought to the kind notice of the Hon'ble National Green Tribunal that the following commitments are made by Government of Mizoram:

| S.No | Particulars | Total (Rs. in cr) |
|--------------|---|----------------------|
| 1 | SWMCs at District HQs | 87.50 |
| 2 | SWMCs at Other Notified towns | 52.75 |
| 3 | Remediation of old dumpsites | 4.00 |
| 4 | Annual Maintenance of SWMC & up-gradation of existing Centers | 15.75 |
| 5 | Revenue Expenditure for O&M and Environmental clearance | 3.00 |
| TOTAL | | 163.00 |

Approval of the hon'ble Chief Minister (i/c Finance Department) has been received to prioritise the projects for these purposes under the relevant schemes of the Central and State Governments. Once the budgetary allocations are made in the coming financial year, same would be ring-fenced to finance the projects in order to fill the gaps in solid and sewage management.


6/12/2022

Lalmalsawma Pachuau
Secretary to the Government of Mizoram
Urban Development & Poverty Alleviation Department

**COMPLIANCE STATUS REPORT FOR 2nd QUARTER (JULY-SEPTEMBER), 2022-23
ON THE DIRECTION OF THE HON'BLE NGT ORDER IN THE MATTER OF O.A. No.
606/2018**

| Sl. No | Questions | Status |
|--------|--|---|
| 1 | Numbers of ULBs | ULB : 1(Aizawl Municipal Corporation) District Capitals : 11 |
| 2 | Over all waste management status in district | <p>Aizawl: The Aizawl Municipal Corporation (AMC) takes cares of wastes management in Aizawl while the UD & PA Department manages wastes in the rest of the census towns within the district. A Solid wastes management Centre comprising of Engineered Landfill, Composting (Vermi & mechanical Compost) and Resource Recovery Centres is in operation in Aizawl.</p> <p>Three more sites have also been identified within the city. The dumpsites at Tuirial have been closed since December 2020 and remediation of the site is in progress.</p> <p>Other Districts: Sites are identified in all census towns. Under the chairmanship of the State's Chief Secretary, a monthly review meeting is conducted with all Deputy Commissioners through Video Conferencing which emphasize expansion of area dedicated for wastes management in some towns in view of future expansion.</p> <p>Vermi compost centres and Waste Resource Management Centre or Material Recovery Facilities have been constructed in all towns while Engineered Landfill is proposed for two towns viz Lunglei and Kolasib town which are the most populous town after Aizawl, the State's Capital. Environmental Clearance for the two is being sought from SEIAA, Mizoram.</p> <p>Under the initiatives taken by the State's UD & PA Department and the AMC, cleanliness competition is being conducted every year. The competition is made at District Level and town level and the government offices/institutions under separate category. A group of experts constituted by the Department of UD & PA which comprises experts from the UD & PA Department, Information & Public Relations Department, Mizoram Pollution Control Board and Central Young Mizo Association (CYMA), the largest NGO of the State.</p> |

| | | | | | |
|---|---|---|--|---|------------------|
| a | Quantity of MSW generated (TPD) | ULB(Aizawl) : 172.38 District Capitals : 83.46 Total : 255.84 | | | |
| b | Quantity of MSW collected (TPD) | ULB(Aizawl) : 137.9 District Capitals : 16.69 Total : 154.59 | | | |
| c | Quantity of MSW segregated and transported (TPD) | ULB(Aizawl) : 137.9 District Capitals : 16.69 Total : 154.59 (100% collection of waste is achieved after wet waste and dry waste is utilized respectively) | | | |
| d | Quantity of MSW processed (TPD) | ULB(Aizawl) : 157.22 District Capitals : 68.31 Total : 225.53 | | | |
| e | Quantity of MSW disposed in secured land fill site (TPD) | NIL | | | |
| f | Gap in Solid Waste Management UTs (TPD) [2(a)-2(d)-2(e)] | ULB(Aizawl) : 15.16 District Capitals : 15.15 Total : 30.31 | | | |
| 3 | Waste collection | Existing | Target | Gap | Timeframe |
| a | ULBs in which door-to-door collection is implemented (No.) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals: 10) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals :10) | ULB(Aizawl) : 0 (District Capitals:0) | |
| b | ULBs in which segregation of waste is implemented (No.) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals: 10) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals :10) | ULB(Aizawl) : 0 (District Capitals:0) | |
| c | ULBs in which transportation of segregated waste is implemented (No.) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals: 10) | ULB(Aizawl) : 1 (83 Local Councils) (District Capitals :10) | ULB(Aizawl) : 0 (District Capitals:0) | |
| 4 | Waste Processing | | | | |
| a | <u>Material Recovery Facilities</u> | | | | |
| | (i) Total Capacity (TPD) | ULB(Aizawl) : 74 (District Capitals: | ULB(Aizawl) : 74 (District Capitals: | ULB(Aizawl) : 0 (District Capitals Lunglei | |

| | | | | | | |
|----------|-------|------------------------|--|---|--|--|
| | | | <i>Lunglei : 5 Kolasib : 6)</i> | <i>Lunglei : 15 Kolasib : 6)</i> | <i>; 10 Kolasib : 0)</i> | |
| | (ii) | Number | ULB(Aizawl): 1 <i>(District Capitals : 2)</i> | ULB(Aizawl) : 1 <i>(District Capitals: 10)</i> | ULB(Aizawl) : 0 <i>(District Capitals: 8)</i> | |
| | (iii) | Number of ULBs covered | ULB(Aizawl): 1 <i>(District Capitals : 2)</i> | ULB(Aizawl) : 1 <i>(District Capitals: 10)</i> | ULB(Aizawl) : 0 <i>(District Capitals: 8)</i> | Saitual : 2025 |
| b | | <u>Recycling</u> | | | | |
| | (i) | Total Capacity (TPD) | <i>(Kolasib : 6)</i> | <i>(Kolasib : 6)</i> | <i>(Kolasib : 0)</i> | Lunglei: 31.12.24 Kolasib : 30. 09.21 |
| | (ii) | Number | <i>(Kolasib :1)</i> | <i>(Kolasib :1)</i> | <i>(Kolasib : 0)</i> | |
| | (iii) | Number of ULBs covered | <i>(Kolasib :1 Saitual :0)</i> | <i>(Kolasib :1 Saitual :3)</i> | <i>(Kolasib :0 Saitual :3)</i> | <i>Saitual : 2025</i> |
| c | | <u>Composting</u> | | | | |
| | (i) | Total Capacity (TPD) | ULB(Aizawl): Mechanical Compost Plant: 50T PD Vermi Compost Plant– 22 TDP Total :72 TPD <i>(District Capitals: Lunglei : 9 TPD Kolasib : 6 TPD Mamit : 2 TPD Champhai :0.12 TPD Lawngtlai : 4 TPD Hnahthial : 0.013 TPD Saitual : 0.05 TPD</i> <i>Designed capacity for Siaha, Serchhip, Khawzawl, Biate, Khawhai : 0.5 TPD)</i> | ULB(Aizawl): Mechanical Compost Plant: 50TPD Vermi Compost Plant– 22 TDP Total :72 TPD | ULB(Aizawl): 0 | Saitual : 2025 |
| | (ii) | Number | ULB(Aizawl): 2 <i>(District</i> | ULB(Aizawl): 2 | ULB(Aizawl): 0 | Saitual : 2025 |

| | | | | | | |
|---|-------|--|---|---|---|--|
| | | | <i>Capitals: 14)</i> | | | |
| | (iii) | Number of ULBs covered | ULB(Aizawl): 1 <i>(District Capitals:9)</i> | ULB(Aizawl): 1 <i>(District Capitals:10)</i> | ULB(Aizawl): 1 <i>(District Capitals:1)</i> | Saitual : 2025 |
| d | | <u>Biomethanation</u> | | | | |
| | (i) | Total Capacity (TPD) | Not applicable | | | |
| | (ii) | Number | Nil | | | |
| | (iii) | Number of ULBs covered | Not applicable | | | |
| e | | <u>RDF</u> | | | | |
| | (i) | Total Capacity (TPD) | <i>(Kolasib : 10 TPD, started since September, 2021)</i> | | | |
| | (ii) | Number | <i>(Kolasib : 1)</i> | | | |
| | (iii) | Number of ULBs covered | <i>(Kolasib : 1)</i> | | | |
| f | | <u>Waste to Energy Plants</u> | | | | |
| | (i) | Total Capacity (TPD) | Not applicable | | | |
| | (ii) | Number | Nil | | | |
| | (iii) | Number of ULBs covered | Not applicable | | | |
| 4 | | Waste Disposal | | | | |
| a | | <u>Landfill</u> | | | | |
| | (i) | Total Capacity (TPD) | ULB(Aizawl) :44 <i>(District Capitals: Lunglei : 15 Kolasib : 6 Hnahthial : 0 Saitual : 0)</i> | ULB(Aizawl) :44 <i>(District Capitals: Lunglei : 15 Kolasib : 6 Hnahthial : 2.87 Saitual : 12)</i> | ULB(Aizawl) :44 <i>(District Capitals: Lunglei : 15 Kolasib : 0 Hnahthial : 2.87 Saitual : 12)</i> | Serchhip: 31.02.2022 Mamit : 31.12.2022 Hnahthial : 3 years Saitual : 31.3.2025 |
| | (ii) | Number | ULB(Aizawl) :1 <i>(District Capitals:2)</i> | | | Saitual : 2025 |
| | (iii) | Number of ULBs covered | ULB(Aizawl) :1 <i>(District Capitals:2)</i> | | | Saitual : 2025 |
| 5 | | Legacy Waste Management | | | | |
| a | | Number of dumpsites (No.) | ULB (Aizawl) : 1 District Capitals: Kolasib : 1 Total : 2 | | | |
| b | | Quantity of Waste dumped at dumpsites (Tons) | ULB (Aizawl) : 7,20,000 MT Kolasib : 60,000 MT | | | |

| | | |
|---|--|---|
| c | Number of dumpsites cleared (No.) | ULB (Aizawl) : 1 (near completion) |
| d | Number of dumpsites in which biomining has commenced (No.) | ULB (Aizawl) : 1, Bioremediation |
| e | Timeframe for clearing all dumpsites | ULB (Aizawl) :- Kolasib : 2023-2024. |
| 6 | Other Information | |
| a | Information regarding development of model towns/cities/villages | Saitual : All households are requested to build compost pit to practice home composting from the wet waste generated. Households are requested to separate wet and dry wastes. All Government Offices and Institutions are requested to follow two bin systems and construct compost pits for wet waste management. All Government Offices are informed to declare their offices Single Use Plastic free. |
| b | Whether model towns/cities/villages complaint with environmental norms | Aizawl : 3 Lunglei : 4 Champhai : 4 Serchhip : 4 Kolasib : 4 Mamit : 4 Hnahthial : 4 Lawngtlai : 1 Khawzawl : 4 Saitual : 4 |
| c | Creation of Environmental cell | Environmental Monitoring Cell has been constituted on 20 th July, 2020 vide EF&CC letter No.C.18014/37/97-FST/Vol-I |
| d | Standardization of rates for procurement of services/equipment (to do away with the tendering process) required for solid waste management | NONE |

Other Reports :

1. Trainings on Waste Management to Waste pickers, collectors and workers :
 - Lunglei : Conducted 2 times.
 - Champhai : Conducted 1 time.
 - Khawzawl : Instructions have been regularly given to Waste collectors on how to properly and efficiently disposed of collected ways.
2. Public awareness through information, education and communication campaign and educate waste generators :
 - Lunglei : Conducted 5 times by Workshop, awareness Campaign, Social Media, Cleanliness Drive etc.
 - Siaha : Conducted through Newspaper, Notification issued and social media.

- Champhai : Conducted 2 times.
 - Lawngtlai : Awareness campaign on waste segregation, disposal, 3R techniques and ban on Single Use Plastic is conducted 10 times.
 - Hnahthial : Conducted through competition organized for various age groups, Educational Institutions, NGOs and Village Councils. Social Media is utilized to spread awareness such as creation of videos to promote cleanliness and sanitation.
 - Saitual : Campaign on source segregation of wastes, home composting, ban on Single Use Plastics Phasing and garbage Free City were organized on 26th August, 2022 for 19 SGHs in Saitual on 27th and 21st August, 2022.
3. Community involvement in promotion of home composting / Vermi compost:
- Lunglei : Promotion/Campaign of Home Composting is carried out in collaboration with SGH(s). Champhai : Home Composting to be carried out at selected households within Tlangsam VC and Chhungte VC area.
 - Khawzawl : Selection for home composting is made. Plan is made in collaboration with DC's Office, DRDA and BDO Office is underway.
 - Saitual : All households within Saitual Town are requested to practice home composting and positive response is being witnesses from Rulchawm VC area in which 94.44% of the total households have segregated wastes at source and wet wastes are managed by composting art home and animal feed.
4. Public Notice and orders:
- Saitual : notification for ban on Single Use Plastics within Saitual district was issued vide letter No. D.13023/2/2020-DC(STL)/144 dated 09.05.2022.