

Government of Manipur
Directorate of Environment and Climate Change
Porompat, Imphal – 05

No. 4/124/2019 (NGT) / DoE& CC

Imphal, the 31st January, 2024

To,
The Registrar General
National Green Tribunal
Faridkot House, Copernicus Marg
New Delhi – 110001
Email : judicial-ngt@gov.in

Sub. : Action Taken report in compliance of Hon'ble NGT's Order dated 01.12.2022 in O.A. No. 606 of 2018 - Supplementary Note thereof;

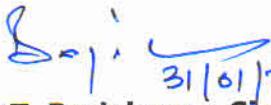
Sir,

In continuation of the Govt letter vide No. CSFE-101/14/2020-FE-Dept (For & Envt), dtd. 8th January, 2024 regarding the subject mentioned above, I am directed to file a **supplementary note** of the Action Taken Report in compliance of Hon'ble NGT's Order dated 01.02.2022 in O.A. No. 606 of 2018 and 2nd Six Monthly Progress Report on solid waste and liquid waste management of Manipur State as on 31.12.2023 for kind reference and consideration before the Hon'ble Tribunal through Physical Hearing (with Hybrid Option), scheduled to be held on 1st Feb 2024.

Enclosed : As above.

With regards,

Yours Sincerely


31/01/2024
(Dr. T. Brajakumar Singh)
Director

Copy to :

1. Staff Officer to Chief Secretary, Govt. of Manipur
2. PS to Addl. Chief Secretary (Forest, Environment and Climate Change), Govt. of Manipur

DIRECTOR
Directorate of Environment & Climate Change
Government of Manipur

SUPPLEMENTARY NOTES ON 2ND SIX MONTHLY PROGRESS REPORT ON SOLID WASTE AND LIQUID WASTE MANAGEMENT OF MANIPUR STATE AS ON 31.12.2023 IN COMPLIANCE OF THE HON'BLE NGT ORDER VIDE OA NO. 606/2018, DTD. 01.12.2022

Background :

- Last hearing was conducted by Hon'ble NGT through virtual on 01.12.2022
- Directed to commit Rs. 200 Cr in a ring-fenced account as compensation on polluter pays principle for failure in scientifically managing of waste;
- Rs. 234.22 Cr kept in a ring-fenced account which is operated for waste management like setting up solid waste processing facilities, remediation of legacy waste and setting up of STPs and FSSTPs so there remains no gap
- Submitted six monthly progress reports with verifiable progress by the Chief Secretary to Hon'ble NGT on 1st Report on 5th June 2023 and 2nd Report on 15th January 2024
- Submitted Monthly Progress Report (MPR) on the solid waste and liquid waste management of the state to the Central Monitoring Committee (CMC), Ministry of Jal Shakti, Government of India;

Status of Solid Waste Management in Manipur :

	Urban Area [MAHUD]		Rural Area [RD & PR]		Hills Area [TA & Hills]	
	31 .12. 2022	31.12. 2023	31 .12. 2022	31. 12. 2023	31 .12. 2022	31. 12. 2023
Generated	290 TPD	290 TPD	633 TPD [estimated]	9.77 TPD [18 model GPs]	No data	Unable to update data due to ethnic crisis since 3 rd May 2023
Collected	205 TPD	202 TPD		2.91 TPD	No data	
Processed / Treated / Managed	130 TPD	148 TPD	570 TPD (compost and animal feed)	0 TPD	No data	
Disposed at secured landfill	No data	48 TPD	No data	2.91 TPD	No data	
Gap	87 TPD	6 TPD i.e. 2%	60 TPD	0 TPD	No data	
% of Waste Segregated	71%	87%	No data	20%	No data	
% of Door to door collection	98%	100%	No data	33%	No data	

Status of Liquid Waste Management in Manipur :

	Sewage Generation (MLD)	Name of project / scheme	Existing STP Capacity in in MLD	Capacity Utilization in MLD		Gap in Treatment at present (MLD)		House hold Connect ed / Drains Tapped
				31 Dec 2022	31 Dec 2023	31 Dec 2022	31 Dec 2023	
URBAN	70 MLD	Imphal Sewerage Project Phase-I	27 MLD	21 MLD	22 MLD	6 MLD	5 MLD	7700 HH of 9564 HH
		Integrated sewerage system for Imphal city - II [completing by 2025]	49 MLD					
		Rejuvenation of Nambul River	17 MLD	0 MLD	16 MLD	17 MLD	1 MLD	72 Drains
RURAL	48 MLD	IHHL under the SBM Grameen and SBM Grameen 2.0						
HILLS	66 MLD	SBM Grameen 2.0						
	184 MLD		93 MLD	21MLD	38LD	23 MLD	6 MLD	

Note :

- Constructed 2,83,459 IHHL for black water management at Rural and Hill Area

Common Bio-medical wastes and industrial wastes Management

No. of industries : 1011 Units

944 Units outside Industrial Estate [non-water polluting Industries]

67 Units inside Industrial Estate

No. of CETP / ETP : 1 CETP unit of 400 Kilo Liter / day capacity at Nilakuthi [functioning]

3 ETPs of 400 Kilo Liter / day each at Takyelpat, Tera Urak and Kuraopokpi [75% construction completed, targeted for 100% by June 2024]

Bio-medical : 0.83 TPD

Wastes generated

200

Treatment Facility : 1 (one) CBMWTF and 2 (two) captive facility of BMWTF are functioning, viz
 (i) 100 kg /hr operated by Shija Hospital at Lamdeng , Imphal West
 (ii) 105 kg/hr operated RIMS Hospital at Lamphel, Imphal West
 (iii) 100 kg/hr JANIMS Hospital, Porompat Imphal East

Total Health Care : 134 Units (68 public and 66 private)

Facility (HCF) units

No. of ETP installed : 54 Units [completed]

Gap : 80 Units [installation in progress]

Status for utilization and physical achievement of Ring Fenced Amount :

Department / Agency	Name of Scheme / Programme	Ring-fenced Amount	Utilized as on 31.12.2023	
			Financial	Physical
MAHUD	Solid Waste Management in Urban	21.50 Cr	14.83 Cr	88%
PHED	Sewage / wastewater Management	81.59 Cr	81.59 Cr	92%
Environment and Climate Change	Rejuvenation of Polluted River through STP, Interception and Diversion of polluted drains	97.72 Cr	89.00 Cr	93%
RD & PR	Solid Waste Management in Rural	16.41 Cr	0 Cr	0%
T, C & I	Management of Industry wastes	10.00 Cr	4.00 Cr	65%
TA & Hills	Management of Wastes in Hills	7.00 Cr	0 Cr	0%
	Total	234.22 Cr	189.42 Cr	

Conclusion :

- Bio-mining of 1,00,000 MT legacy waste completed;
- Gap of solid waste generated and collected is 88 MTD are managed at source by way of composting and feeding to animals and same practices are common at Rural and Hill area;
- Material Recovery Facility (MRF) and composting plants are functioning at all 27 ULBs;
- The Manipur Plastic Policy 2022 was notified on 20th June 2022;
- Prepared State Action Plan for Re-use of Treated Waste Water and Sewage for agriculture or other non-potable purposes
- Conducting series of District level Training on Solid and Liquid Waste Management as regular calendar;
- Under Rejuvenation of Nambul River (polluted stretch of 9.14 km under Priority II of CPCB) in Imphal City project collecting 17 MLD of liquid waste from 72 urban drains and treating through two STPs;
- Evaluating the progress of compliances every month by Chief Secretary and Additional Chief Secretary (Forest, Environment and Climate Change);