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 OCTOBER TO DECEMBER 2024 FOR THE STATE OF MEGHALAYA

Overall status of the State:

I.	Total Population: Urban Population & Rural Population	:	(5,95,450 & 23,71,439)29,64,007
II.	Estimated Sewage Generation (MLD)(2025)	:	51.87 MLD in Urban
III.	**Details of Sewage Treatment Plant**	:	
•	Existing no of STPs and Treatment Capacity (MLD)	:	19
•	Capacity Utilization of existing STPs (MLD)	:	3.0 MLD in Urban Areas
•	MLD of Sewage being treated through alternate technology	:	18.63 (Other forms of treatment of septic tank)
•	Gap in treatment Capacity in MLD	:	48.87 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 Capacity MLD	Capacity being utilised MLD	Operational Status of STP	Compliance 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., Nongtrai	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	FSTPBaghmara 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

Liquid Waste management (LWM) facilities already constructed and LWM facilities under construction in Shillong &Jowai Towns

SUMMARY OF THE CURRENT STATUS OF LIQUID WASTE MANAGEMENT IN MEGHALAYA			
Total Population (Urban & Rural)			26,64,007
Sewage Generation (in MLD)			51.87
Existing Treatment Facilities capable of treating the sewage			3
No of Existing Treatment Facilities			
Types of Facilities			4 NOS 1. Police Bazar Shillong, Marriot 2. Polo Municipal Market, Shillong 3. Polo Market, Shillong 4. Parking Lot Anjalee, Shillong
			7 NOS 1. Marten, Shillong 2. Behind SMB Quarter, Shillong 3. Doldegre, Tura 4. Resubelpara Municipal Office 5. Baghmara, Civil Hospital

			6. Sabah Muswang, Jowai 7. Balsrigittim, Williamnagar
	Nullah In-Situ Remediation	Shillong	1.27 MLD of grey water is being treated by operational of the Nullah In-Situ Remediation
		Jowai	0.65 MLD of grey water is being initiated by Nullah In-Situ
Final Destination	Recycled/Discharge in drain storms		
Details of Treatment of Sewage (in MLD)			
a. By STPs			0.43
b. Type of STPs			SBR/MBBR
c. FSTP			0.65
d. Nullah In-Situ Remediation			1.92
Details of disposal of untreated Sewage (in MLD)			
Final destination of Discharge of Untreated Sewage (in MLD)	18.63		Black Water (Septic Tank)
	30.23		Grey Water (drains/ streams /rivers)

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**	**July 2024 Updated Status**
1	Pomdngiem Drain (also referred as Wah Thangsniang 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	
Jowai					
SN	**Location**	**No of in-situ nullah Treatment Plants**	**Status**	**Remarks**	
1	SyntuKsiar (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	PanaliarMutong	1	100% Completed		
11	Liar KdongtreriatPanaliar	1	100% Completed		

Status of Liquid Waste Management projects under consideration in the State

SN	Particulars	Approved no.	Approved Capacity/numbers	Remarks
1	Desludging Vehicles	8	8 Nos	Procurement of Cesspool Vehicles is under progress
2	STPs	8	21.5 MLD	1. Identification of Lands by ULBs is under progress 2. Engagement of Technical Support Unit-Consultants is under finalization for preparation of Design & DPRs
3	I & D (Interception & Diversion Drains)	8	23 KMs	
4	Rampyrthai, Jowai	1	540 KLD	Proposals have been submitted for consideration of funds under Compensation for Restoration of Environment

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 MLD	95%	Civil Works completedand awaiting power connection
2	Jowai Municipal Board	1	50KLD	95%	Civil Work Completed awaiting power connection
3	Williamnagar Municipal Board	1	30 KLD	95%	Civil Work Completed awaiting power connection
4	Faecal Sludge & Septage management,Khliehriat	1	0.04 MLD	95%	To be made 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 MLD	99%	Construction of STPs of capacity 13.14 MLD in SShillong has been completed and will be made operational by October 2024
2	Junction of Wahingdoh and Umkhrah	1	7.12 MLD	99%	
3	Junction of Wahdasoi and Umkhrah	1	0.85 MLD	99%	
4	By the site of Wahpomdngiem behind SMB Complex at Bishop Cotton Road	1	2.00 MLD	99%	
5	Junction of Wahthangsniang and Umkhrah	1	0.28 MLD		Yet to start because of land ownership issues

IV. **<u>Details of Industrial Pollution</u>**

- 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

V. Solid Waste Management

- Total number of Urban Local Bodies and their Population: **10 Nos, (7,25,247)**
- Current Municipal Solid Waste Generation: 311 TPD
- Current Waste Process 159 TPD (Composting : 94 TPD, RDF : 7 TPD, Others : 58 TPD)
- Number, installed capacity and utilization of existing MSW processing facilities 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.: Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap> 20%):

EXISTING SWM PLANTS IN MEGHALAYA						
SN	Town	Facility Type	Installed Capacity	Nos.	Utilization	Remarks
1	Shillong	Waste to Recovery centre	8 TPD	4	6 TPD (3 TPD Organic Compost + 3 Recyclables)	All 4nos. are made operational.
2.	Tura	Waste to Compost	40 TPD	1	0 TPD	Yet to be made operational
3	Nongpoh	Waste to Compost	15 TPD	1	0 TPD	Yet to be made operational
4	Shillong	Waste to Compost	170 TPD	1	90 TPD	The plant is 100% operational
5	Jowai	Waste Recovery Centre	1 TPD	1	1 TPD	Operational
6	Khliehriat	Composting Plant	0.1 TPD	1	-	Completed and is on trial stage.

- 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):

2. 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)	311	100%
b.	Quantity of MSW processed (TPD)	159	51%
	Final Destination of generated Waste		
	• Compost	94	30%
	• RDF	7	2%
	• Scraps (by the informal sector registered with the ULBs)	58	19%
c.	Quantity of Inert disposed in Secured Landfill Site	38	12%
d.	Gap in Solid Waste Management UTs (TPD) [1(a)-1(b)-1(c)]	114	37%

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 in also undertaken by the Shillong Municipal Board.

2. LEGACY WASTE MANAGEMENT

With reference to the physical progress in the Legacy Waste Management, Landfill Remediation project of 3,42,168 Metric Tons, for Shillong and Tura Town project has started in the month of June 2024 and the work is ongoing the expected time of completion is within 18 months for Shillong and 24 months for Tura 22,223 Metric Tons of waste has been processed so far. Legacywaste remediation for other Urban Towns of Meghalaya Preliminary activities is being initiated.

3. Status Of Solid Waste Management currently undertaken

Sl,no	Particular	Approved No	Approved Quantity (TPD)	Remarks
1	**Sanitary Waste Incinerator**	**1**	**4**	**Installation Completed, the plant is under trial and shall be made functional by October 2024**
2.	**Compost Plant in Khliehriat**	**1**	**10**	**Tendering process completed and work is under process**
3	**Decentralized Wet Waste Processing**	**8**	**35.5**	**I.One Decentralized waste processing unit of 3 TPD capacity is completed and training of SHG to operate the facility is under process** **II. Work in 3(Three) Decentralized waste processing unit of 14.5 TPD capacity has been initiated.** **III. Details Project Reports are under preparation by the ULBs for 18TPD**
4	**Material Recovery Facility for Dry Waste Processing**	**10**	**58.5**	**I. Work on 4 (Four) Decentralized waste processing unit of 43 TPD capacity has been initiated.** **II. Details Project Reports are under preparation by the ULBs for 15.5 TPD**

PROPOSED SWM PLANTS IN MEGHALAYA				
SN	**Town**	**Facility type**	**Proposed capacity TPD**	**Nos.**
1	Shillong Municipal Board	Decentralized Processing Units	25	1
3	Tura Municipal Board	Decentralized Processing Units	10	-
4	Nongstoin Town Committee	Decentralized Compost Plant	7	1
5		Decentralized Processing Units	4.5	-
6	Jowai Municipal Board	Decentralized Compost Plant	6	1

7		Decentralized Processing Units	4	-
8	Williamnagar Municipal Board	Decentralized Compost Plant	5.5	1
9		Decentralized Processing Units	3.5	-
10	Resubelpara Municipal Board	Decentralized Compost Plant	4.5	1
11		Decentralized Processing Units	3	-
12	Mairang Town Committee	Decentralized Compost Plant	3.5	1
13		Decentralized Processing Units	2	-
14	Nongpoh Town Committee	Decentralized Compost Plant	3	1
15		Decentralized Processing Units	2	-
16	Baghmara Municipal Board	Decentralized Compost Plant	3	1
17		Decentralized Processing Units	2	-
18	Khliehriat&Jowai	Solid Waste processing & Disposal Facility to cater to both Jowai&Khliehriat	10	1

Projects approved under SBM (U) for Solid Waste Management

Name of ULBs	Wet Waste Processing (Compost Plant) Quantity in TPD	Dry Waste Processing (MRF) Quantity in TPD	Sanitary Landfill Site Quantity in TPD	Dumpsite Remediation Quantity in TPD
Shillong Municipal Board	0	25.00	15.00	0
Tura Municipal Board	0	10.50	6.00	10000
Nongstoin Town Committee	7.00	4.50	2.50	0
Jowai Municipal Board	6.00	4.00	2.00	54000
Williamnagar Municipal Board	5.50	3.50	2.00	30000
Resubelpara Municipal Board	4.50	3.00	1.50	29000
Mairang Town Committee	3.50	2.00	1.50	0
Nongpoh Town Committee	3.00	2.00	1.00	10000
Baghmara Municipal Board	3.00	2.00	1.00	10000
Shillong Cantonment Board	0	2.00	0.00	0
Total	**32.5**	**58.5**	**32.50**	**143000**

- 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	Progress	Present Status)
Shillong	East Khasi Hills	Nonghali (new and Alternate Site)	200 Acre	1. Land Survey completed. 2. Environment Impact Assessment (EIA) is under progress.	1. Land Survey Completed 2. Environment Clearance process ongoing i. Online application completed ii. Environment Baseline Monitoring Report completed iii. Prepararion of EIA/EMP plan is under progress
				3.	3.
		Marten (existing and old but functional)		It is currently being used	Bio Remediation of 155,600 Tons of Legacy Waste in an area of 4Acre in Marten has been started.
Jowai	West Jaintia Hills	--	--	New Expression of interest floated on 8th June 2023	New Expression of interest floated on 1st August 2024 as the proposal received earlier were not feasible.
Tura	West Garo Hills	Wakkagre	21.02 Acre	Direct Purchased which 1.5 Crore was paid	1. Land acquisition Completed 2 .Environment Clearance process to be taken up
Williamnagar	East Garo Hills	Rongakgre	37 Acre	Proposal moved to Government by Director, Urban Affairs to go for Direct Purchased	1. Land acquisition Completed 2 .Environment Clearance process to be taken
Resulbelpara	North Garo Hills	ElachiApal	14 Acre	Awaiting for approval from the Directorate on the Site Finalization	1. Proposal for land has been received. 2. Direction has been sent to task Force for further examination and other details for purchase.

Baghmara	South Garo Hills	Arapara	15 Acre	Awaiting for approval from the Directorate on the Site Finalization	Instruction has been issued to the Task Force for submitting report on the feasibility of the site.

VI. 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

VII. 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, EJH District
2. M/s Star Cement Meghalaya Ltd., Lumshnong, EJH District
3. M/s Megha Technical Engineers Pvt. Ltd., Lumshnong, EJH District
4. M/s Dalmia Bharat (Cement) Ltd, Thangskai, EJH District
5. M/s Meghalaya Cements Ltd., Thangskai, EJH District
6. M/s Amrit Cements Ltd., Umlaper, EJH 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., 15th 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, Nongtrai, 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.**

VIII. Plastic Waste Management:

- Total Plastic Waste generation:**2223.6 TPA**
- Treatment/Measures adopted for reduction or management of plastic waste:

(a) The plastic wastes arecollected 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.

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:

XI. 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.ofMeghalaya,Forests& Environment Department vide no.ENV.4/2018/426; DatedShillong the 19th June 2020.**

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:**EnclosedasII A to Annexure IX B**

XIV. 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 NOCForCommercial 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.

XV. Good irrigation practices being adopted by the State:**Traditional Bamboo Drip Irrigation**

XVI. Rain Water Harvesting**:(a) Rain water harvesting implemented for Schools and government buildings.(b) Incorporated as one of the condition while giving permission for any house construction**

XVII. Demarcation of Floodplain and removal of illegal encroachments:(a)**Network design including the proposed additional installation submitted.Field Survey report ofUmkhrah,Nonbah ,Umtrew and Myntduhave 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-meteorogical 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 1st 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

XVIII. Maintaining minimum e-flow of river:**Perennial rivers**

XIX. 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.

XX. Reuse of Treated Water**:Stand-alone ETPs are operational in 260number of hotels/guesthouse/health care centers /Industries and treated wastewater are reuse for gardening/cleaning purpose.**

i. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

XXI. Status of Preparation of Action Plan by the 13 Coastal States**:Not applicable to the State of Meghalaya**

XXII. 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

XXIII. 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**

ANNEXURE

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES – OCTOBER 2024

Stations→ Parameters↓	Umshyrpi		Umkhrah				Umtrew at Byrnihat	Nonbah at Nongstoin	Myntdu at Jowai	Lunar River (Tributary of Lukha River) at Myndihati	Kyrhuhkhla River
	Near Law College	**Umshyrpi Bridge**	**Demthring**	**Umkaliar**	**Near Slaughter House**	**Mawpdang**					
pH	6.6	6.5	6.6	6.8	6.7	6.7	6.8	7.2	7.1	3.2	3.5
Dissolved Oxygen(mg/l)	4.8	6.0	5.8	6.3	5.2	5.0	7.3	7.4	7.5	7.2	7.1
Bio-chemical Oxygen Demand (mg/l)	13.0	5.5	8.2	4.0	10.0	12.0	2.0	1.8	1.4	1.4	1.6
Faecal Coliform (MPN/100ml)	20000	3200	6300	2700	14000	17000	430	460	330	<1.8	<1.8
Total Coliform (MPN/100ml)	54000	9400	17000	5400	46000	49000	3500	3300	2100	<1.8	<1.8
Faecal Streptococci (MPN/100m	4900	1100	2100	840	4300	4600	220	210	170	<1.8	<1.8

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES –NOVEMBER 2024

Stations→ Parameters↓	Umshyrpi		Umkhrah				Umtrew at Byrnihat	Nonbah at Nongstoin	Myntdu at Jowai	Lunar River (Tributary of Lukha River) at Myndihati	Kyrhuhkhla River
	Near Law College	**Umshyrpi Bridge**	**Demthring**	**Umkaliar**	**Near Slaughter House**	**Mawpdang**					
pH	6.7	6.7	6.8	6.9	6.8	6.8	6.8	7.1	7.0	3.0	3.4
Dissolved Oxygen(mg/l)	2.9	5.3	4.2	5.1	3.3	3.0	7.2	7.1	7.2	7.0	6.8
Bio-chemical Oxygen Demand (mg/l)	20.0	7.9	12.0	4.7	17.0	15.0	2.4	2.0	1.6	2.0	2.1
Faecal Coliform (MPN/100ml)	23000	3800	7000	3300	17000	21000	550	630	410	<1.8	<1.8
Total Coliform (MPN/100ml)	70000	12000	24000	9400	58000	63000	3900	4300	2800	<1.8	<1.8
Faecal Streptococci (MPN/100m	6300	1700	2700	1200	4900	6300	350	280	210	<1.8	<1.8

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES –DECEMBER 2024

Stations→ Parameters↓	Umshyrpi		Umkhrah				Umtrew at Byrnihat	Nonbah at Nongstoin	Myntdu at Jowai	Lunar River (Tributary of Lukha River) at Myndihati	Kyrhuhkhla River
	Near Law College	**Umshyrpi Bridge**	**Demthring**	**Umkaliar**	**Near Slaughter House**	**Mawpdang**					
pH	6.8	7.0	7.2	7.2	7.1	6.9	7.0	7.0	7.1	3.0	3.1
Dissolved Oxygen(mg/l)	1.7	5.0	2.6	5.2	1.9	2.2	7.1	6.9	7.0	7.2	6.7
Bio-chemical Oxygen Demand (mg/l)	27.0	8.6	15.0	4.6	24.0	21.0	2.2	2.1	1.8	1.9	2.3
Faecal Coliform (MPN/100ml)	34000	4100	7900	2700	23000	21000	630	790	430	<1.8	<1.8
Total Coliform (MPN/100ml)	94000	23000	34000	8400	79000	70000	4300	4500	3300	<1.8	<1.8
Faecal Streptococci (MPN/100m	7900	2100	3100	1100	6300	5800	430	350	280	<1.8	<1.8