

# Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya  
'ARDEN' Lumpyngad, Shillong-793014  
Website: <http://megspcb.gov.in>



No. MPCB/GEN-285(Annexed –IX/2020-21/31

Dated Shillong the 29<sup>th</sup> Sept 2020

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 August 2020.

Sir,

With reference to the above enclosed please find herewith the Monthly Progress Report for the month of August 2020. This is for favour of your information & necessary action.

Encl: As stated

Yours faithfully

  
MEMBER SECRETARY  
MSPCB, SHILLONG

Memo No. MPCB/GEN-285(Annexed –IX/2020-21/31-A

Dated Shillong the 29<sup>th</sup> Sept 2020

Copy to: -

1. Shri. A. Sudhakar, DH, WQM-I, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032 for kind information. Email: [asudhakar.cpcb@nic.in](mailto:asudhakar.cpcb@nic.in)/[jcb.cpcb@nic.in](mailto:jcb.cpcb@nic.in)
2. The Director of Urban Affairs cum Member Convener of the RRC, Meghalaya, Shillong for information
3. Shri. M.B.K. Reddy, IFS, Additional Principal Chief Conservator of Forest, Planning, Development and Legal matters, Meghalaya, Shillong for information

MEMBER SECRETARY  
MSPCB, SHILLONG

**NATIONAL MISSION FOR CLEAN GANGA**  
**FORMAT FOR SUBMISSION OF MONTHLY PROGRESS REPORT BY STATES/UTS**  
**(HON'BLE NGT IN THE MATTER OF OA NO. 673/2018 DATED 06.12.2019)FOR THE MONTH OF AUGUST 2020**

I.	<b>Total No. of Pollution River Stretches</b>	7(Umkhrah & Umshyrpi river –Priority I:Umtrew ,Nonbah & Kyrhukhla river –Priority IV: Myntdu & Lukha –Priority V)						
	<b>Chief Secretaries may set up appropriate monitoring mechanism at State level</b>	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						
	<ul style="list-style-type: none"> <li>Specifying accountability of nodal authorities not below the Secretary level</li> <li>Chief Secretaries may have an accountable person attached in their office for this purpose</li> </ul>							
	<ul style="list-style-type: none"> <li>Monitoring at State level must take place</li> </ul>	Fortnightly Commencing 21.12.2019						
	<b>Progress report may be furnished by the States/UTs to</b>	Monthly (preferably before 20 <sup>th</sup> of every month)						
	<ul style="list-style-type: none"> <li>Secretary, Ministry of Jal Shakti</li> <li>Member Secretary, CPCB</li> </ul>							
	<i>Progress Report may be comprised of details alongwith completion timelines on:</i>							
(i)	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment							
		<b>Umkhrah</b>	<b>Umshyrpi</b>	<b>Umtrew</b>	<b>Nonbah</b>	<b>Kyrhukhla</b>	<b>Myntdu</b>	<b>Lukha</b>
II.	<b>In-situ Bio-remediation</b>	As per report submitted last month, PMC of Smart City is to prepare feasibility report for Nallah in-situ treatment for the drain falling within the ADB. The feasibility report has now been submitted by the PMC and awaiting approval. On approval, the DPR will be prepared within one month's time.			Survey for preparation of DPR started and likely to be completed by November 2020.			
III.	<b>Sewage Treatment Plant</b>							

•	Total Sewage Generation (MLD)	33.52	15.47	0.36	3.10	0.8	3.07	0.5
•	Total Existing Treatment Capacity (MLD)							
•	Capacity Utilization							

**Note: Garbage traps have been installed in 6 nos. of drains connecting to the rivers and one oil grease trap of 5kld installed in one drain of Umkhrah River.**

Town	Existing STP	Capacity Being Utilized	Whether Complying or not	STP Proposed if any	Status (DPR/tendering/under construction/ETC etc.)
Shillong (catchment of Umkhrah & Umshyrpi river)	-	-	-	Faecal Sludge & Septage Management (FSSM) + 5 On-site Treatment System.	<p>a) The Action Plan as approved by CPCB is for taking up FSSM &amp; On-site Treatment System in place of STP. The PDMC for the project has prepared the draft NIT &amp; the same has been vetted by the Shillong Municipal Board who is the implementing agency for the project, and who have requested for additional information. In view of the above, Tender process is to be taken up by next month.</p> <p>b) Further, in the campus of Polo Market area located along the river Wahumkhrah, STP has been completed of 50 KLD capacity to take care of sewage / effluents in the area. Matter is taken up with Pollution Control Board for consent to operate.</p> <p>c) The 115 KLD Septage Treatment Plant which is under construction is 40% completed.</p>
Jowai catchment of	-	-	-	7 STP (capacity of each STP varies from 0.3 to 1.2 MLD each	On submission of the DPR to NCRD, it was advice that feasibility report should be submitted prior to DPR. The same has been communicated to Jowai Municipal Board for necessary action and at the same time it was also directed based on the advice of the NCRD to look into the possibility of FSSM in lieu of the standalone STP submitted above.
Byrnihat( catchment of Umtrew river )					Safe sanitary latrine under Swachh Bharat mission (Gramin) for 364 households
Nongstoin (catchment of Nonbah river)					Safe sanitary latrine under Swachh Bharat Mission (urban) for 424 households
Khliehriat,Ladrymbai etc (catchment of Kyrhukhla river)					Safe sanitary latrine under Swachh Bharat mission (Gramin) for 220 households
Myndihati,khliehriat & Lumshnong etc ( catchment of lukha River )					Safe sanitary latrine under Swachh Bharat mission (Gramin) for 366 households.

IV.	Industrial	Umkhrah	Umshyrpi	Umtrew	Nonbah	Kyrhukhla	Myntdu	Lukha
•	Total No. of industries/industrial estates	121	9	29	34	12	20	11
•	Total Industrial discharge	1.3035	0.455	0.676	0.276	0.029	0.40	0.15
•	Total No. of industries having ETPs	121	9	29	34	12	20	11
•	Total existing CETPs	None	None	None	None	None	None	None
•	Total No. of GPIs/SPIs	None	None	1	None	None	None	None
•	No. of industries having OCEMS	None	None	None	None	None	None	None

Town	Existing ETP Capacity(MLD)	Whether Complying or not	CETP Proposed if any	Status (DPR/tendering/under construction/ETC etc.)
Shillong	1.8	Complying	-	-
Byrnihat	1.0	Complying	-	-
Nongstoin	0.41	Complying	-	-
Ladrymbai & Khliehriat	0.1	Complying	-	-
Jowai	0.45	Complying	-	-
Khliehriat,Myndihati&,Lumshnong	0.615	Complying	-	-

✓	Solid Waste Management	Umkhrah	Umshyrpi	Umtrew	Nonbah	Kyrhukhla	Myntdu	Lukha
•	Total Municipal Solid Waste generation (MTD)	164.81	50.13	1.16	10.05	2.6	9.95	1.6
•	Existing facilities (MTD)	8.72 a) Door to door collection is introduced in all wards and level of coverage is 100%.Segregation at source is in place and the level of compliance by the residential households is 85% ad by the commercial establishments about 45%.Chain link fencing has been		15	Collection, segregation and transportation of wastes has been done by the SLRM team under SBM (Urban) .In some households the	Waste management soak pit household waste water management & organic waste compost for 175 households under SBM	Door to door collection and transportation coverage is being done by the Jowai Municipal Board. Segregation at source is in place.	Waste management soak pit household waste water management & organic waste compost pit for 366 households under SBM

		<p>installed at strategic garbage points. Penalty is imposed on habitual offenders.</p> <p>b) Additionally, Garbage traps have been installed i 6 nos of drains connecting to the rivers and one oil grease trap of 5 Kld installed in one drain of Umkrah river.</p>		<p>biodegradable wastes are treated by composting method in compost pit</p>	(G)		(G)
•	Proposed	<p>For treatment of the bio-degradable waste, a 170 TPD Compost Plant is under Construction at Marten, Shillong which is proposed to be commissioned by September 2020. For Scientific disposal of waste a 6500 sqm sanitary landfill at Marten, Shillong was commissioned in October 2017. An additional 8500 sqm sanitary landfill is also completed,</p> <p>Out of 4 nos of decentralised compost plant, 1 no. is already functional, 2 nos. are completed and accordingly commissioning and 1 no. is 90% completed.</p>	<p>Proposed for soak pit household waste water management &amp; organic waste compost for 112 households under SBM (G)</p>	<p>Land has been identified and a compost plan has been sanctioned under SBM (Urban)</p>		<p>Within the existing dumping site portion of land has been identified for indigenous compost plant and waste recovery the work is to be started soon.</p>	
•	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river	Enclosed as annexure II					

VI.	Bio-medical/Hazardous/Plastic Waste Management(in TPD)	Umkrah	Umshyrpi	Umtrew	Nonbah	Kyrhukhla	Myntdu	Lukha
•	Total Bio-medical Waste generation	1.0597		0.0021	0.029	0.00608	0.41	Nil
•	Total Bio-medical Waste Treatment	1.0597		0.0021	0.029	0.00608	0.41	-

•	Bio-Medical Treatment facilities	<p>a) The Urban Affairs Department had floated a Notice for expression of Interest for setting up of Common Bio-Medical waste treatment and Disposal Facilities at Shillong on the 24<sup>th</sup> April, 2020 wherein 4 (four) participating firms submitted proposals and a letter of acceptance was awarded to S. M. Enterprise to carry out the work required on 19<sup>th</sup> May, 2020. The work to be carried out includes the installation of the following:</p> <ul style="list-style-type: none"> <li>• Incinerator of 100kg/hour capacity</li> <li>• Continuous stack monitoring device</li> <li>• Autoclave of 100kg/hour capacity</li> <li>• Shredder of 100kg/hour capacity</li> <li>• Effluent Treatment Plant</li> <li>• Other ancillaries to support the facility</li> </ul> <p>b) The Urban Affairs has procured three Bio-medical Wastes vehicles solely for transport of Bio-medical Wastes.</p>						
•	Hazardous Waste generation	Nil	Nil	1.17	Nil	Nil	Nil	0.1405
•	Hazardous Waste Treatment	-	-	1.135	-	-	-	0.1405
•	Plastic Waste generation	0.230	-	-	-	-	-	
•	Plastic Waste processing	The plastic Waste was collected as municipal waste into dry waste and wet waste. The plastic waste was segregated from the dry waste at the dumpsite and collected for compaction and bailing for Shillong City						
•	Total No. of Hospital and bio-medical waste generation/treatment	6	2	None	2	None	2	None
•	Total of units generating Hazardous waste/treatment facility			6				11

		Umkrah	Umshyrpi	Umtrew	Nonbah	Myntdu	Kyrhukhla	Lukha
VII.	Ground water regulation	State level & District level committee on ground water resources						
VIII.	Maintaining minimum e-flow of river	Perennial						
IX.	Protection and management of Flood Plain Zones (FPZ)	TOR approved and RFP for engaging of consultancy for flood plains Zonation in identified river stretches prepared and sent to the NPMU NHP,MOJS for approval (Due to technical reasons FPZ is being proposed only at Umkrah,Nonbah ,Umtrew and Myntdu as other rivers flow through deep gorges) Proposal for setting up of HO stations sent to Govt. for availing sanction						
X.	(ii) Rain water harvesting	<p>i. Rain water harvesting implemented for Schools and government buildings</p> <p>ii. Incorporated as one of the condition while giving permission for any house construction</p>						
XI.	Plantation along river	7.0 kms strip plantation	12 Ha	29.76 Ha	721.348	4.8 Ha	No proposal was made since there is a Reserve Forest and green	

					Ha		cover on both sides of the river
XII.	Development of biodiversity park on flood plains by removing encroachment	Matter of encroachment is pending in the Supreme Court	No proposal for setting up of Bio-Diversity Park due to non-availability of government land .				
XIII.	Reuse of Waste water						

Annexure II

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES - AUGUST 2020

Stations→ Parameters↓	Umshyrpi		Umkhrah				Umtrew at Byrnihat	Nonbah at Nongstoin	Myntdu at Jowai	Lunar River (Tributary of Lukha River ) at Myndihati	Kyrhuhkhla
	Near Law College	Umshyrpi Bridge	Demthring	Umkaliar	Near Slaughter House	Mawpdang Mawlai					
<i>pH</i>	6.7	7.1	6.7	7.4	7.2	7.3	7.3	7.0	6.7	2.8	3.7
<i>Dissolved Oxygen(mg/l)</i>	4.1	6.8	4.5	6.2	4.6	5.0	6.9	7.0	7.1	6.9	7.2
<i>Bio-chemical Oxygen Demand (mg/l)</i>	15.0	6.0	10.0	6.4	12.0	9.4	2.7	2.5	2.4	2.5	2.4
<i>Faecal Coliform</i>	8400	3100	4900	3800	7900	5800	270	110	140	<1.8	<1.8

<b><i>(MPN/100ml)</i></b>											
<b><i>Total Coliform (MPN/100ml)</i></b>	33000	7900	12000	9400	32000	22000	840	520	460	<1.8	4
<b><i>Faecal Streptococci (MPN/100m)</i></b>	2300	790	1300	920	1400	1700	21	14	17	<1.8	<1.8