

# Meghalaya State Pollution Control Board

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



No. MPCB/GEN-285/2019(PT-III)/24

Dated Shillong the 24<sup>th</sup> June 2020

To,

Shri Ruby Raju  
National Mission for Clean Ganga  
Ministry of Jal Shakti

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 May 2020.

Sir,

With reference to the above enclosed please find herewith the prescribed Format where required information were incorporated along with the enclosures. This is for favour of your information & necessary action

Yours faithfully

Encl: As stated

  
MEMBER SECRETARY  
MSPCB, SHILLONG

Memo. No. MPCB/GEN-285/2019(PT-III)/24-A

Dated Shillong the 24<sup>th</sup> June 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/jcb.cpcb@nic.in](mailto:asudhakar.cpcb@nic.in/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

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**NATIONAL MISSION FOR CLEAN GANGA**  
**FORMAT FOR SUBMISSION OF MONTHLY PROGRESS REPORT BY STATES/UTS (MEGHALAYA)**  
**(HON'BLE NGT IN THE MATTER OF OA NO. 673/2018 DATED 06.12.2019)**  
**(PRIORITY I – UMKHRAH & UMSHYRPI, SHILLONG)**

Sl. No	Activity to be monitored	Time line	Submission of Progress by State/UT- Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	The Urban Affairs Department has taken up with the successful firm for Bio-remediation of both the Rivers. The selected firm has therefore, submitted a proposal for in-situ Bio-remediation for Umshyrpi & Umkhrah River. The matter was taken up with the Govt. which approved the report for Algae & Bacterial Treatment. The Department is currently exploring the source of fund to meet the project cost. At least for 1.5 km stretch under Wahumkhrah, the DPR is being prepared by PMC engage under SMART City project and to be funded under the same project. The State government would however require extension of time for the project.
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	<p>a) The Action plan as approved by Central Pollution Control Board is for taking up FSSM and 5 nos. of On-Site treatment system in place of STP. In this respect, the Apex Committee, AMRUT Mission in its meeting held on 13.12.2019 had directed the CPHEEO to visit the State of Meghalaya to review the AMRUT projects and to handhold the state to expedite the implementation of the projects. The CPHEEO on its visit to the State on 31.01.2020 had directed the WAPCOS Ltd., PDMC for giving a presentation on the FSSM Project to the CPHEEO. Accordingly, the presentation was made by the Consultants on 19.02.2020 at Delhi wherein CPHEEO has made some technical observations. While the necessary changes have been made the consultants, CPHEEO has again asked the Consultants to give a presentation. The same could not be taken since then due to the LOCKDOWN order.</p> <p>b) iAdditionally, a standalone Septage Plant of 115 KLD capacity is under construction and likely to be completed by December, 2020.</p> <p>c) 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. Besides, all hotels, Govt. guest</p>

			house within the Shillong City have installed ETPs which treats effluents prior going to the drains.	
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	Pending resolving the issues above, the state Government will seek further time for issue of work order.	
5	<b>Chief Secretaries may set up appropriate monitoring mechanism at State level</b> <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>	22.01.2020  22.01.2020		
	<ul style="list-style-type: none"> <li>Monitoring at State level must take place</li> </ul>	Fortnightly Commencing 21.12.2019		
6	<b>Progress report may be furnished by the States/UTs to</b> <ul style="list-style-type: none"> <li>Secretary, Ministry of Jal Shakti</li> <li>Member Secretary, CPCB</li> </ul>	Monthly (preferably before 20 <sup>th</sup> of every month)		
6.1	<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		List of drains enclosed as Annexure I	
	(ii) <b><u>Status of STPs, I &amp; D and sewerage networks</u></b> Details of Existing Infrastructure, Gap Analysis, Proposed alongwith completion timeline			
	(iii) <b><u>Status of CETPs</u></b> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed alongwith completion timeline, No. of industries and complying status		<b>Umkhrah catchment</b>	
			<b>Umshyrpi Catchment</b>	
			<b>No. of Red Category-6</b>	<b>No. of Red Category-2</b>
			Complying-4 Non complying-2	Complying-1 Non complying-1
			<b>No. of Small Scale-115</b>	<b>No. of Small Scale-7</b>
		Complying-115 Non complying-nil	Complying-7 Non complying-nil	
	(iv) <b><u>Status of Solid Waste Management &amp; Details of Processing Facilities</u></b>		For treatment of the bio-degradable waste, a 170 TPD Compost Plant is under Construction at Marten, Shillong which is proposed to be	

	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		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.
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		List Enclosed as Annexure II for Umkhrah & Umshyrpi
	(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing wastes processing, including waste generated from hotels, ashrams, etc.		<p>a) Door to door collection is introduced in all wards and level of coverage is 95%. Segregation at source is in place and the level of compliance by residential households is 85% and by commercial establishments about 40%. Chain link fencing has been installed at strategic garbage vulnerable points. Penalty is imposed on habitual offenders.</p> <p>b) Additionally, 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.</p> <p>c) 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>d) 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</p>
	(vii) Ground water regulation		State Level Committee on Ground Water resource
	(viii) Adopting good irrigation practices		
	(ix) Protection and management of Flood		No declared flood Plain Zone

	Plain Zones (FPZ)		
(x)	Rain water harvesting		<ol style="list-style-type: none"> <li>1. Rain water harvesting implemented for Schools and government buildings</li> <li>2. Incorporated in building By-laws &amp; implemented</li> </ol>
(xi)	Maintaining minimum environmental flow of river		Perennial
(xii)	Plantation on both sides of the river		Fund available under CAMPA
(xiii)	Setting up biodiversity parks on flood plains by removing encroachment		Matter of encroachment is pending in the Supreme Court.

**IDENTIFIED DRAINS CONTRIBUTING TO POLLUTION OF UMKHRAH RIVER**

1. Wah Demthring Stream
2. Lapalang Stream near Bridge
3. Lapalang Stream
4. Umpling Drain
5. Umpling Stream
6. Gora Line Stream
7. Wah Kdait Drain
8. Wah Thangsniang stream
9. Pomdngiem Stream
10. Oakland Drain
11. Lawmali Drain
12. Wahingdoh- Raimohan Drain
13. Riatsamthiah, Wahingdoh
14. Jaiaw Drain
15. Mawlai Drain
16. Mawlai Phudmuri Stream
17. Jaiaw Lumsyntiew Drain
18. Wah Disoi Drain
19. Polo Drain1
20. Polo Drain2

**IDENTIFIED DRAINS CONTRIBUTING TO POLLUTION OF UMSHYRPI RIVER**

1. Wah Dienglieng
2. Stream at Fish Dale
3. Drain Near Woodland Hospital
4. Wahkdait at Malki
5. Malki Stream (near Seven Set School)
6. Wah Risa Stream
7. Wah Kynrud Stream
8. Umsokhlur Stream
9. Wah Mawlong Stream
10. Umjasai stream
11. Lummawbah Stream
12. Mawprem Drain

## WATER QUALITY DATA OF UMKHRAH RIVER, SHILLONG – MAY 2020

Parameters	Umkhrah River at Demthring	Umkhrah River at Umkaliar	Umkhrah River near Slaughter House	Umkhrah River at Mawpdang Mawlai
<i>pH</i>	6.9	7.3	7.4	7.4
<i>DO mg/L</i>	3.0	6.1	4.1	2.8
<i>BOD mg/L</i>	16.5	6.6	10.5	20.0
<i>Faecal Coliform MPN/100ml</i>	6300	4900	9400	8400
<i>Total Coliform MPN/100ml</i>	13000	11000	22000	21000
<i>Fecal Streptococci MPN/100ml</i>	1400	1300	2300	2100

## WATER QUALITY DATA OF RIVER UMSHYRPI, SHILLONG – May 2020

Parameters	River Umshyrpi near Law college at Dhankheti	River Umshyrpi near Umshyrpi Bridge
<i>pH</i>	7.1	7.3
<i>DO mg/L</i>	2.2	5.7
<i>BOD mg/L</i>	28.0	9.4
<i>Faecal Coliform MPN/100ml</i>	17000	11000
<i>Total Coliform MPN/100ml</i>	33000	11000
<i>Fecal Streptococci MPN/100ml</i>	2400	1200