

## Monthly Progress Report by Mizoram (July & August, 2020)

(In the matter of Hon'ble NGT matter of O.A No 673/2018)

Sl. No.	Activity to be monitored	Timeline	Submission of progress by Mizoram – Compliance Status																
1.	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	<ul style="list-style-type: none"> <li>• For the treatment of sewage, in-situ remediation such as onsite greywater management systems in rural areas and setting up of improved septic tanks and Bio-digesters for black water management in the catchment areas of the polluted rivers are in process and the progress made during July &amp; August 2020 as reported by PHED is as below:-               <ol style="list-style-type: none"> <li>1) Release of SBI funds are awaited for further progress in Tiau River, Tuivawl River, Saikah Stream. Further, release of AMRUT funds are also awaited in Chite Stream, Tuikual Stream and Tuirial River for further progress.</li> <li>2) Physical progress i.e 61% of construction of dam reservoir and recreation center at Keilunglah, Tuipui River has been completed.</li> <li>3) Ground Survey and Preparation of Action Plan has been completed at Tlawng river and Mat river. (Details of PHED report is enclosed at <i>Annexure-I</i>)</li> </ol> </li> <li>• 1 STP of 10 MLD Capacity completed and details of oher om-going related works id given under Sl.No. 4.1 (i). Operation expected within 2020.</li> </ul>																
	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																	
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021																	
3	Chief Secretary may set up appropriate mechanism at State level <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>• State Level Monitoring Committee has been constituted under the Chairmanship of Chief Secretary, Govt. of Mizoram notified vide letter No.C.18013/2/2020-I&amp;WR/243 dt. 21.07.2020. The Committee comprises of the following members:               <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">1. Chief Secretary</td> <td style="text-align: right;">Chairman</td> </tr> <tr> <td>2. Principal Secy./Secy., EF&amp;CC</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>3. Secy., PHED</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>4. Secy., LRS&amp;WCD</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>5. Secy., UD&amp;PA</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>6. Commissioner, AMC</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>7. Chairman, MPCB</td> <td style="text-align: right;">Member</td> </tr> <tr> <td>8. Secy., I&amp;WRD</td> <td style="text-align: right;">Member Secy.</td> </tr> </table> </li> </ul>	1. Chief Secretary	Chairman	2. Principal Secy./Secy., EF&CC	Member	3. Secy., PHED	Member	4. Secy., LRS&WCD	Member	5. Secy., UD&PA	Member	6. Commissioner, AMC	Member	7. Chairman, MPCB	Member	8. Secy., I&WRD	Member Secy.
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<ul style="list-style-type: none"> <li>• Monitoring at State level must take place</li> </ul>	Fortnightly Commencing 21.12.2019	Monthly Review Meeting could not be convened within the reporting months due to Covid-19 lockdown in the state.																	
4	Progress report may be furnished by the States/UTs to <ul style="list-style-type: none"> <li>• Secretary, Ministry of</li> </ul>	Monthly (preferably before 20 <sup>th</sup> of every month)	<ul style="list-style-type: none"> <li>• Monthly Progress Report submitted on regular basis.</li> <li>• This report is for the month of <b>July 2020 and August 2020</b></li> </ul>																

	Jal Shakti • Member Secretary, CPCB		
4.1	Progress Report may be compiled of details along with completion timelines on: i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order in situ treatment		<ul style="list-style-type: none"> <li>• Identification of polluting sources including polluting drains have been completed for all the 9 polluted rivers and water quality assessment carried on.</li> <li>• During the month of July 2020, analysis of water quality of the identified drains has been conducted and is to be repeated on October 2020.</li> </ul> <p>Analysis results at <i>Annexure-II</i></p>
	i) <u>Status of STPs, I&amp;D and sewage networks</u> Details of existing infrastructure, Gap analysis, proposed along with completion of timeline		<ul style="list-style-type: none"> <li>• <i>STP status</i></li> <li>i) <i>Construction of STP –</i> <ul style="list-style-type: none"> <li>• Physical work completed (100%)</li> <li>• Installation of transformer completed</li> <li>• Testing of Machineries completed</li> <li>• Waiting for inflow of minimum 3000 HH connection sewage for operation.</li> </ul> </li> <li>ii) <i>Sewerage Network = 46 kms.</i> <ul style="list-style-type: none"> <li>• Physical Progress = 75%</li> <li>• Main sewer pipe laid = 27.76Km</li> <li>• uPVC for HH connections piped laid = 22.22 Km.</li> <li>• Manholes = 1419 Nos.</li> </ul> </li> <li>iii) <i>No. of households to be connected = 19,000 nos.</i> <ul style="list-style-type: none"> <li>• No. of households connected = 3,000 nos.</li> <li>• Detailed surveying of household connection for operation of STP is undergoing</li> <li>• Timeline for completing the households connection – within 2020</li> </ul> </li> <li>iv) <i>Technology adopted - SBR Technology (Sequential Batch Reactor) by C-Tech is used</i></li> <li>v) <i>Design Parameters - As per CPHEEO norms</i></li> <li>vi) <i>Expected date of commissioning –2020</i> <ul style="list-style-type: none"> <li>• In-situ liquid treatment system for Greywater at household levels in rural areas is under process with about 30% achievement</li> <li>• Construction of Bio-digesters for in-situ remediation of back water at household levels in urban areas under process. About 80 nos. of biodigesters have been constructed for households in the catchment area.</li> <li>• Construction of dam reservoir and recreation centre is undertaken at Keilungliah Stream, a polluting stream of Tuipui River at Champhai which is suggested to minimize contamination of Tuipui river as well as for multipurpose such as water security for Champhai town, Irrigation need of</li> </ul> </li> </ul>

		<p>farmers during off monsoon period, promotion of tourism and recreation facilities for Champhai town, fisheries development, beautification of Champhai town Improvement of climate for Champhai town. Gabion structures is also to be constructed across major streams discharging to Keilungliah. The approved estimated cost of this project is Rs 1988 lakhs out of which Rs 944.05 has been used for 61% of the physical progress.</p>
<p>ii) <u>Status of CETPs</u>  Details of existing CETP and ETP infrastructure, Gap analysis, Proposed along with completion of timeline, No. of industries and complying status</p>		<ul style="list-style-type: none"> <li>• There is no CETP in the State yet. River Pollution due to industrial effluents is insignificant in case of Mizoram.</li> <li>• Inventory of water polluting industries in the catchment areas of all the 9 polluted rivers is completed. Details along with Gap analysis provided in the Revised Action Plan submitted to CPCB on 17.07.2020 and soft copy available at <a href="https://mpcb.mizoram.gov.in/">https://mpcb.mizoram.gov.in/</a></li> <li>• In all, there are 83 nos. of identified water polluting industries in the catchment areas of the polluted rivers, out of which 69 units are having valid consent from MPCB and the remaining are being regulated to comply with the norms.</li> </ul>
<p>iii) <u>Status of Solid Waste Management &amp; Details of Processing Facilities</u>  Details of existing infrastructure, Gap analysis, proposed along with completion of timeline</p>		<ul style="list-style-type: none"> <li>• Training and workshop has been organized by the concerned department at state and district level to sensitize and build capacity of Department Officials, Local Authorities and elected Local Bodies.</li> <li>• In order to create awareness towards cleanliness and sanitation the state Mission Directorate has conducted various activities in the state such as Cleanliness Drive, Cleanliness campaign a Visual advertisement through local channels, Advertisement through print media such as local newspapers, local magazines, stickers etc, Hoardings, Banners and Posters, Sponsorship of several events organized by NGOs, Mass awareness through distribution of bookmarks, brochures, pamphlets etc.,</li> <li>• All 23 Urban towns have been declared ODF since 2017.</li> <li>• Steps have been taken to achieve ODF+ for towns viz., Lunglei, Serchhip, Thenzawl &amp; Saitual.</li> <li>• For solid waste management in rural areas, the concerned department awaited release of SBI/AMRUT funds for further progress.</li> <li>• 20% to 55 % works on Segregation, setting up of Plastic Waste Collection Centre/Confined dumping ground for inerts and other wastes has been completed in the polluted river stretches.</li> </ul>

iv) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		<ul style="list-style-type: none"> <li>• Latest water quality of the 9 polluted rivers for the reporting months (July &amp; August 2020) is at <i>Annexure-III</i>.</li> <li>• Water quality of drains/tributaries at Annexure-II</li> </ul>
v) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing including waste generated from hotels, ashrams etc		<ul style="list-style-type: none"> <li>• <b>Waste Management Centre</b>, constructed by SIPMUI at Tuirial was commissioned on 11.12.2019.</li> <li>• Segregation of wastes at source has been initiated within AMC area and disposal of segregated wastes in the waste management centre as per the Rules initiated.</li> <li>• IEC activities extensively undertaken in the catchment areas for proper solid waste management.</li> <li>• Dumping of waste in unauthorised Dumping Sites has been prohibited by Deputy Commissioner and Aizawl Municipal Corporation</li> </ul>
vi) Ground water regulation		<ul style="list-style-type: none"> <li>• Ground water extraction is insignificant in Mizoram as surface water serves is the main sources of water for drinking, domestic and industrial purposes..</li> </ul>
vii) Adopting good irrigation practices		<ul style="list-style-type: none"> <li>• Provisions are made by the concerned department, i.e Irrigation &amp; Water resources Department to adopt good irrigation practices in the State. However, irrigation is not practiced in the polluted location of the Rivers.</li> </ul>
(ix) Protection and management of Flood Plain Zones (FPZ)		<ul style="list-style-type: none"> <li>• There is no Flood Plain Zones in Mizoram as it is a hilly region.</li> </ul>
(x) Rain water Harvesting		<ul style="list-style-type: none"> <li>• Construction of rainwater harvesting structures in the catchment areas under process by PHED</li> </ul>
(xi) Maintaining minimum flow of river		<ul style="list-style-type: none"> <li>• For maintaining minimum flow of rivers, E-flow assessment is under process by I&amp;WRD</li> </ul>
(xii) Plantation on both sides of the river		<ul style="list-style-type: none"> <li>• Environment, Forests and Climate Change Department has taken plantation drives in the catchment areas of the polluted rivers. About 15% of the proposed areas for plantation has been covered.</li> </ul>
(xiii) Setting up of biodiversity parks on flood plains by removing encroachment		



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