

Monthly Progress Report by Mizoram (March & April, 2020)

(In the matter of Hon'ble NGT matter of O.A No 673/2018 dated 12.06.2019)

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"> • For the treatment of sewages for combating River Pollution, in-situ remediation such as On-Site Greywater Management System is considered most viable and feasible for the state of Mizoram. The Action Plan therefore focuses on the On-Site Management of Greywater which constitutes more than 90% of the total waste water generated in the catchment area of the polluted rivers. • Setting up of On-Site Greywater Management System has been initiated in by PHE Department, Govt. of Mizoram.
	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	<ul style="list-style-type: none"> • Information Education and Communication (IEC) and Capacity Building through door to door campaigns, town/village level sensitization and grass root trainings on proper waste management has been carried out in most of the villages/towns in the Catchment area of Polluted river stretches with about 25% achievements • Ground Survey/Technology options has been done & about 10% of work related to physical works has been completed for setting up of on-site sewage treatment systems in the catchment area of the Polluted Rivers.
3	<p>Chief Secretary may set up appropriate mechanism at State level</p> <ul style="list-style-type: none"> • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose 	<p>22.01.2020</p> <p>22.01.2020</p>	<ul style="list-style-type: none"> • Meeting of Chief Secretary, Govt. of Mizoram with secretaries of all concerned departments on NGT cases, held on 25.02.2020, discussed setting of appropriate mechanism for monitoring compliance of OA.673/2018 at State level. Officer in charge from CS Office has been appointed for conducting montly review meeting for the same. • Irrigation & Water Resources Department, Govt. of Mizoram has been notified as the Nodal Department for matters related to water bodies and River Rejuvenation in Mizoram vide Notification No.A.46012/1/2019-GAD dt.27.02.2020. Subsequently, River Rejuvenation Committee, Mizoram was re-constituted by Government of Mizoram vide Notification No.C.18014/295/2019-FST dt 12.05.2020 under the Chairmanship of Principal Secretary, E,F & CCD and the Chief Engineer, Irrigation & Water Resources Department was entrusted as the Member Secretary.

	<ul style="list-style-type: none"> Monitoring at State level must take place 	Fortnightly Commencing 21.12.2019	Monthly Review Meeting for March & April 2020 has been postponed due to Covid-19 Pandemics.
4	<p>Progress report may be furnished by the States/UTs to</p> <ul style="list-style-type: none"> Secretary, Ministry of Jal Shakti Member Secretary, CPCB 	Monthly (preferably before 20 th of every month)	<ul style="list-style-type: none"> Updated report submitted regularly. This report is for the month of March & April,2020
4.1	<p>Progress Report may be compiled of details along with completion timelines on:</p> <p>i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order in situ treatment</p>		<ul style="list-style-type: none"> Identification of contributing drains and polluting sources completed (100%), as depicted in the location maps of the rivers and detailed in the RRC approved Revised Action Plan, submitted to CPCB on 15.05.2020. Location maps showing contributing drains of the polluted rivers are attached at Annexure-I (a) to I (i).
	<p>i) <u>Status of STPs, I&D and sewage networks</u> Details of existing infrastructure, Gap analysis, proposed along with completion of timeline</p>		<ul style="list-style-type: none"> On-Site liquid treatment system for Greywater at household levels is under process. This technology is considered most feasible for Mizoram in place of STP which involves complications and high costs for setting up and operations. Achievements on setting up of On-Site Greywater Management System by PHE/UD&PA Department, Govt. of Mizoram is at SI No.2
	<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"> River Pollution due to industrial effluents is insignificant in case of Mizoram. There is no CETP in the State. Inventory of water polluting industries in the catchment areas of the polluted rivers is completed and details provided in the RRC approved Revised Action Plan, submitted to CPCB on 15.05.2020.

<p>iii) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of existing infrastructure, Gap analysis, proposed along with completion of timeline</p>		<ul style="list-style-type: none"> • Status of solid waste generation, existing management system, gap analysis in the catchment area of the polluted rivers is completed. Details along with proposed action with timeline is given at Annexure-II • Information Education and Communication (IEC) and Capacity Building through door to door campaigns, town/village level sensitization and grass root trainings on proper waste management has been carried out in most of the villages/towns in the Catchment area of Polluted river stretches with about 25% achievements • 11% to 50 % 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.
<p>iv) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river</p>		<ul style="list-style-type: none"> • Ground water quality of the catchment of polluted rivers is assessed wherever sampling locations/facilities for sampling is available. Sampling of drains and ground water in the polluted locations has been completed and water quality monitoring is being carried out. • Latest water quality of polluted rivers i.e the month of March 2020 is given at Annexure-III.
<p>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</p>		<ul style="list-style-type: none"> • The biggest waste dumping site at Tuirial, Aizawl which has been receiving maximum wastes from Aizawl city for a number of years is being closed down now and is soon to be replaced by Waste Management Resource Centre and Sanitary Landfill, newly constructed and commissioned by the State Govt. • Dumping of waste in unauthorised Dumping Sites has been by Deputy Commissioner and Aizawl Municipal Corporation • Status of action taken for adopting scientific waste management system as per proposed Action Plan is given in SI No. 4.1 (iii).
<p>vi) Ground water regulation</p>		<ul style="list-style-type: none"> • In Mizoram, surface water serves as the main sources of water for drinking, domestic and industrial purposes. Ground water extraction is insignificant.
<p>vii) Adopting good irrigation practices</p>		<ul style="list-style-type: none"> • Provisions are made by the concerned department, i.e Irrigation & Water resources Department to adopt good irrigation practices in the State. However, irrigation is not practiced in the polluted location of the Rivers.

(ix) Protection and management of Flood Plain Zones (FPZ)		<ul style="list-style-type: none"> • There is no Flood Plain Zones in Mizoram as it is a hilly region.
(x) Rain water Harvesting		<ul style="list-style-type: none"> • Meeting of Chief Secretary, Govt. of Mizoram with secretaries of all concerned departments on 18.05.2020 has nominated the Nodal Department (Environment, Forests and Climate Change, Govt. of Mizoram) to be responsible for framing Policies and Action Plan for Rain Water Harvesting in Mizoram • As per the Action Plan of the polluted rivers, Rainwater harvesting has been initiated. Survey for setting up of Rainwater harvesting System is underway by PHE Department, Govt. of Mizoram.
(xi) Maintaining minimum flow of river		<ul style="list-style-type: none"> • E-flow assessment is proposed to be taken up by Irrigation and Water Resources Department, Govt. of Mizoram. Action Plan with timeline for e-flow assessment is given Annexure-IV • Some of the rivers already have Riverine Reserved Forests of about 800 metres on either side of the river banks which are well protected. However, for enhancing tree and vegetation coverage, afforestation activities in suitable catchment areas have been proposed and plantation drives initiated. • As per Action Plan, Plantation drives in the catchment area of Polluted Rivers already initiated by E,F & CC Department, Govt. of Mizoram and about 10% of the proposed works has been completed so far.
(xii) Plantation on both sides of the river		
(xiii) Setting up of biodiversity parks on flood plains by removing encroachment		

(C.LALDUHAWMA)
Member Secretary,
Mizoram Pollution Control Board