

MONTHLY PROGRESS REPORT (MPR) W.R.T. HON'BLE NGT OA 673/2018 FOR THE MONTH OF JULY 2020 FOR THE STATE OF MANIPUR

Overall status of the State:

I. Total Population:

II. Estimated Sewage Generation (MLD) : 114.054 MLD

III. Sewage Treatment Plant :

- Total Sewage Generation (MLD) : 114.054 MLD
- Total Existing Treatment Capacity (MLD) : 27 MLD (operational)
- Capacity Utilization : 8 MLD
- Under construction : 17 MLD (under NRCD Project)
- New proposed : 49 MLD (DPR prepared, looking for funding)

Town	Existing STP Capacity	Capacity Being Utilized	Whether Complying or not	STP Proposed, if any	Status (DPR/ tendering/ under construction/ ETC etc.)
Imphal	27 MLD	8 MLD	No	17 MLD	<ul style="list-style-type: none"> • Sanctioned under NRCD • Completed tender process • Execution under progress
				49 MLD	<ul style="list-style-type: none"> • Prepared DPR for Imphal Sewerage Project Phase II, looking for funding • Cleared PIB (Public Investment Board) • Communicated to DEA for External Aided Project opportunities

IV. Industrial:

- Total No. of industries/ industrial estates : 72 Nos. Inside Industrial Estate / Food Parks
- Total Industrial discharge : NIL
- Total No. of industries having ETPs : NIL
- Total existing CETPs : 1 No. [Nilakuthi Food Park]
- Total no. of GPIs/ SPIs : NIL
- No. of industries having OCEMS : NIL

Town	Existing ETP Capacity	Whether Complying or not	CETP Proposed, if any	Status (DPR/ tendering/ under construction etc.)
Imphal	400 Kilo Liter / day	Yes	3 (three) CETP proposed, viz. i. Talyel Industrial Estate ii. TeraUrak Industrial Estate iii. Kuraopopi Industrial Estate	<ul style="list-style-type: none"> • Completed PFR • Under preparation of DPR, completing by December 2020

V. Solid Waste Management:

- Total Municipal Solid Waste generation (MTD) : 284.33 MTD
- Existing facilities (MTD) :177.91 MTD
[121.31 MTD for processed
56.60 MTD for Landfill]

STATUS OF POLLUTED RIVER STRETCHES IN THE STATE:

- I. Total No. of Polluted River Stretches : 9 (nine)
- II. In-situ Bio-remediation : Survey work is undergoing, sanctioned by the State Govt. under Plan to start work
- III. Sewage Treatment Plant :
- Total Sewage Generation (MLD) : 109.75 MLD
 - Total Existing Treatment Capacity (MLD) : 27 MLD
 - Capacity Utilization:

Town	Existing STP Capacity	Capacity Being Utilized	Whether Complying or not	STP Proposed/ ongoing, if any	Status (DPR / tendering / under construction / ETC etc.)
Imphal	27 MLD	8 MLD	Complying	49 MLD	<ul style="list-style-type: none"> • Prepared DPR for Imphal Sewerage Project Phase II, looking for funding
				17 MLD	<ul style="list-style-type: none"> • Sanctioned under NRCD • Completed tender process • Execution under progress
				16.75 MLD	<ul style="list-style-type: none"> • Proposed for Phyto-remediation • Works starts under state plan during 2020-21

IV. Industrial:

- Total No. of industries/ industrial estates : No any polluting industry nearby the Polluted River Stretches
- Total Industrial discharge : NIL
- Total no. of industries having ETPs : NIL
- Total existing CETPs : 1 No. [Nilakuthi Food Park]
- Total No. of GPIs/ SPIs : NIL
- No. of industries having OCEMS : NIL

Town	Existing ETP Capacity	Whether Complying or not	CETP Proposed, if any	Status (DPR/ tendering/ under construction/ ETC etc.)
Imphal	400 Kilo Liter / day	Yes	2 (two) CETPs proposed, viz. i. Talyel Industrial Estate ii. TeraUrak Industrial Estate	Under preparation of DPR, completing by December 2020

iii. Solid Waste Management:

- Total Municipal Solid Waste generation (MTD) : 46.471 MTD
- Existing facilities (MTD) : 60 MTD [waste to energy]

iv. Bio-medical/ Hazardous/ Plastic Waste Management:

- Total Bio-medical/ Hazardous/ Plastic Waste generation: 0.70 TPD [Bio-medical waste]
1.17 TPD [Hazardous Waste]
22.7 TPD [Plastic Waste]
- Total no. of hospital and bio-medical waste generation/ treatment : 0.65 TPD
- Total of units generating Hazardous waste/ treatment facility : NIL

v. Ground water regulation : NIL

vi. Maintaining minimum e-flow of river : Afforestation at catchment area is undergoing for maintaining e-flow

vii. Plantation along river : Continuing

viii. Development of biodiversity park : No any biodiversity park at the river bank, however, few garden have been developed at the river bank where land is available under NRCD project

ix. Reuse of Waste water : NIL

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)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by State/UT-Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Initiated in this current financial year 2020-21 under State Plan
	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	17 MLD with connecting 72 drains under construction through NRCD fund [target year April 2022]
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"> • 27 MLD already commissioned [status enclosed at Annexure - 1] • 17 MLD with connecting 72 drains under construction [target for completion in April 2022] • 49 MLD DPR ready, waiting for fund
5	Chief Secretaries may set up appropriate monitoring mechanism at State level <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. 	22.01.2020	<ul style="list-style-type: none"> • RRC has constituted under Chairmanship of Director (Environment and Climate Change), Govt. of Manipur; • Prepared Action Plan of the 9 (nine) Polluted River Stretches in Manipur (1 under Priority II and 8 under Priority V); • Action Plan for Priority II River has already been recommended by CPCB and the Action Plan for Priority V rivers also been recommended by the CPCB; • RRC had been reviewing the follow up activities of the directions from Hon'ble NGT OA 673 of 2018; • Constituted on 23rd January, 2020 and monitored by State Level Monitoring Mechanism Committee under Chairmanship of Commissioner (PHE), Govt. of Manipur
	<ul style="list-style-type: none"> • Monitoring at State level must take place 	Fortnightly Commencing 21.12.2019	Yes

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by State/UT-Compliance Status
6	Progress report may be furnished by the States/UTs to <ul style="list-style-type: none"> • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB 	Monthly (preferably before 20 th of every month)	
6.1	Progress Report may be comprised of details along with completion timelines on: <ol style="list-style-type: none"> i. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment ii. <u>Status of STPs, I&D and sewerage networks</u> <ol style="list-style-type: none"> a. Details of Existing Infrastructure, b. Gap Analysis, c. Proposed along with completion timeline iii. <u>Status of CETPs</u> <ol style="list-style-type: none"> a. Details of Existing CETP and ETP Infrastructure, b. Gap Analysis, c. Proposed along with completion timeline, d. No. of industries and complying status iv. <u>Status of Solid Waste Management & Details of Processing Facilities</u> <ol style="list-style-type: none"> a. Details of Existing Infrastructure, b. Gap Analysis, c. Proposed along with completion timeline 		Identification of Polluting Sources : <ul style="list-style-type: none"> • Detail survey is under progress • Disturbed in progress due to lockdown and rainy season • Target to complete in 31st August 2020 Status of STPs and I&D <ul style="list-style-type: none"> • 27 MLD of AWS technology under Imphal Sewerage Project Phase I of PHED; • 17 MLD of MBBR is under progress [ongoing NRCD project] • 14.55 km pipeline for I & D under progress [ongoing NRCD project]; • Completed 69.44 km meters pipeline for sewerage network under Imphal Sewerage Project Phase I of PHED; • Out of target 12,000 households, 3000 households had already been connected to the existing sewer network under Imphal Sewerage Project Phase I of PHED;; • DPR for 49 MLD has already been prepared by PHED, looking for funding agency Status of Solid Waste Management <ul style="list-style-type: none"> • Total waste generated in Manipur State is 284.33 MTD • Existing facilities of 177.91 MTD [121.31 MTD for processed, 56.60 MTD for Landfill] • No gap • Already progress

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by State/UT-Compliance Status
	<p>v. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;</p> <p>vi. 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> <p>vii. Ground water regulation</p> <p>viii. Adopting good irrigation practices,</p> <p>ix. Protection and management of Flood Plain Zones (FPZ)</p> <p>x. Rain water harvesting,</p> <p>xi. Maintaining minimum environmental flow of river</p> <p>xii. Plantation on both sides of the river</p> <p>xiii. Setting up biodiversity parks on flood plains by removing encroachment</p>		<p>Latest Water Quality of polluted rivers is enclosed at Annexure – 2;</p> <p>Preventing dumping of waste and scientific waste management has been continuing effectively;</p> <p>No regulation of ground water</p> <p>Not adopting good irrigation practices, except from river or rain water harvesting</p> <p>Protection and management of Flood Plain Zones (FPZ) has been enforced and removing all the illegal encroachers time to time by the Water Resources Department</p> <p>No any rain water harvesting practices as of yet;</p> <p>Environmental flow of river has been maintained through afforestation at degraded catchment;</p> <p>Plantation on both sides of the river has been continuing time to time;</p> <p>No any biodiversity parks at river bank since not getting any land;</p>

ANNEXURE – 1

FORMAT FOR SEWAGE TREATMENT PLANTS AND UTILIZATION OF SEWAGE [JULY 2020]

Sr. No.	City / Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non Operational / Under Construction)	STP Installed Capacity (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology UASB / ASP / OP / SBR / MBBR / FAB etc.	Consent Status	Compliance Status (In mg / Lit except pH)			
											pH	TSS	COD	BOD
1	Imphal	1	Lamphel	24 ⁰ 49"45" N 93 ⁰ 54'58" E	2020	Operational	27	8	ASP	---	6.9	1.7		2.3

Total Status of STPs in Imphal

Particular	Unit	Phase I	Phase II (To be proposed under EAP)	Ongoing NRCD Project	Total
Capacity of STP	MLD	27	49	17	93
Total Sewer Pipe	RM	69,429	277,289		346,718
Primary (Main Pipe)	RM	25,291			25,291
Secondary (Sub-main Pipe)	RM	44,138			44,138
Interception & Diversion Pipelines	RM			14,545	14,545
No. of urban drains to be collected	Drain			72	72
Targetted Connection septic tank	Unit	12,000			12,000
Connected septic tank	Unit	3,000			3,000
Lift Station	Unit	5	21	14	40
Population	Lakh	1.73	4.33		6.06
Covered Municipal Ward	Wards	11	16	14	
Area covered	Sq.Km.		35		
Covered Polluted River		Nambul P-II	Nambul P-II	Nambul P-II	
		Imphal P-V	Imphal P-V		
Method of Treatment		ASP	SBR	MBBR	

Note :

ASP (Activated Sludge Process),

EAP (Extended Aeration Process),

SBR (Sequencing Batch Reactor)

MBBR (Micro Bed Bio Reactor)