



TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

Lr.No.679/680/TSPCB/RRC/2018

Date: 20 .04.2020

To
The Secretary,
Ministry of Jal Shakti, GoI,
Dept. of Water Resources,
River Development & Ganga Rejuvenation,
Shram Shakti Bhawan,
Rafi Marg, New Delhi – 110 001

Sir,

Sub: TSPCB – LAB – Furnishing of monthly progress report in the matter of Hon'ble NGT in OA No.673/2018, dated: 06.12.2019 for rejuvenation of polluted river stretches – Reg.
Ref: MoWR D.O. Lr.No. Legal/OA 673/2018/NMCG/2019 (Part File), dated: March 11, 2020

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Kind attention is invited to the subject and reference cited. Please find enclosed herewith the monthly progress report (Format-3) for the month of March 2020 for Telangana State, prescribed by the central team in the review meeting held on 5th and 6th February 2020 with regard to polluted river stretches in the matter of Hon'ble NGT in O.A. No.673/2018, dated:06.12.2019.

Yours faithfully,

**Sd/-
MEMBER SECRETARY**

|| TCFBO ||


Jt. Chief Environmental Scientist (FAC)

JOINT CHIEF ENVIRONMENTAL SCIENTIST
CENTRAL LABORATORY
TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, I.E., Sanathnagar,
Hyderabad - 500 018.

Format-3 for submission of monthly progress report by States / UTs in the matter of Hon'ble NGT in OA No.673/2018, dated: 06.12.2019

S. 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	<p>Musi</p> <ol style="list-style-type: none"> 1. The gap of 1174 MLD of sewage flowing through 185 drains to water bodies was identified. 2. HMWS&SB has issued work order to M/s.NEERI, Hyderabad to take-up in-situ remediation on river Musi. 3. M/s.NEERI, Hyderabad has given a proposal of Rs.528.30 Crores for taking up in-situ remediation of 1174 MLD sewage at Rs.45 Lakh per MLD. Waiting for financial approval. 4. 27 drains are identified on River Musi. NEERI has submitted DPR for one drain i.e., Kokapet drain, for which phyto remediation work has already started. Work order for 6 more drains are under process. 5. Rain guard / wet land construction on Kukatpally nala (treats approx. 150 MLD) which joins Hussainsagar lake pilot project is taken-up by HMDA. For a length of 300 RMT and the work is in progress. <p>Nakkavagu/ Manjeera</p> <p>Maneru</p> <p>Karaka vagu & Kinnerasani</p> <p>Godavari</p> <p>Krishna</p> <p>Out of the 185 drains at the water bodies proposed by HMWSSB to be taken up for In-situ remediation approximately 20 drains fall under Nakkavagu stretch.</p>
2	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	<ul style="list-style-type: none"> • HMWSSB / MAUD has submitted the pre-feasibility reports of sewerage master plan costing Rs.15,884 Crores to NMCG / NRCD, GOI. • Further, 5 detailed project reports (DPRs) for priority segments at a cost of Rs.4237 crores were also submitted to the NMCG / NRCD, Ministry of Jal Shakti, GOI for financial assistance and technical appraisal was made. • The NMCG / NRCD, GOI during appraisal advised to take-up the 5 DPRs proposals under Hybrid Annuity Mode (HAM) contract for implementation with 60% investment by the agency and 40% by State Govt. / ULB. The cost of 5 DPRs is Rs.4237 Crores and the bidders investment at 60% will be Rs.2542.20 Crores and Government share at 40% will be Rs.1694.80 Crores.

S. No.	Activity to be monitored	Time line	Submission of progress by State / UT - Compliance status	
				<ul style="list-style-type: none"> • Administrative approval for 5 DPRs at a cost of 4237 Cr. • Mirayalguda (11.5 MLD- Commissioned and 5.45 MLD – Under Construction)
			Nakkavagu/ Manjeera	
			Maneru	<ol style="list-style-type: none"> 1. Karimnagar (38 MLD – Commissioned) - Completed. 2. Huzurabad - Construction of 2 Nos. of STPs of capacity 7.30 MLD 3. Jammikunta - Construction of 2 Nos. of STPs of Capacity 6.30 MLD 4. Parkal - Construction of 2 Nos. of STPs of Capacity 6.00 MLD 5. Bhupalpally - Construction of 3 Nos. of STPs of Capacity 11.15 MLD
			Karaka vagu & Kinnerasani	Palvancha - Construction of 4 Nos of STPs of Capacity 15.20 MLD
			Godavari	<ol style="list-style-type: none"> 1. Mancherial (4 and 2.5 MLD STPs – not in operation) - Construction of 4 Nos of STPs of Capacity 16.50 MLD 2. Ramagundam (4 MLD and 14 MLD STPs – not in operation) - Construction of 3 Nos of STPs of Capacity 45.00 MLD
			Krishna	<ol style="list-style-type: none"> 1. Gadwal, 2. Alampur 3. Ieeja 4. Kollapur 5. Makhtal
3	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning	31.03.2020	Musi	<ol style="list-style-type: none"> 1. HMWSSB TIMELINE - 01- 03 - 2020 2. PHED - Tentative Action Plan for 10 years submitted to Government vide T/o Lr.No.101/T2/AE4 / GEN/PCB /2019/1613 dt. 29-08-2019: Depending on the provision of funds, works will be taken up.
			Nakkavagu/ Manjeera	--
			Maneru	2020 - For Karimnagar, 2023 for other 4 STPs
			Karaka vagu & Kinnerasani	2023

Submission of progress by State / UT - Compliance status				
S. No.	Activity to be monitored	Time line		
			Godavari Krishna	2023 10 years
4	Chief Secretaries may set up appropriate monitoring mechanism at state level	22.01.2020		Environmental monitoring cell constituted at the office of Chief Secretary vide order dated: 16.03.2020 (Annex-1)
5	Specifying accountability of nodal authorities not below the Secretary level		Musi Nakkavagu/ Manjeera Maneru Karaka vagu & Kinnerasani Godavari Krishna	1. HIMWSSB - D.Sridhar Babu - Director Projectors - 9908639888 2. PHED - B.Mohan Kumar Deputy CE - 9100887792 3.Minor Irrigation - P.V.Nagender - Deputy CE - 7032715030 4. I & CAD Major Irrigation - G.D.Narahari - Deputy Chief Secretary - 9866558291 5. Ground water Dept - Pandit Madhumuri - 7032982001 6. TSILC - J.Prabhavathi - Deputy General Manager - 9948916437. 7. TSPCB – JCES
6	Chief Secretaries may have an accountable person attached in their office for this purpose.	22.01.2020		Environmental monitoring cell constituted at the office of Chief Secretary vide order dated: 16.03.2020 (Annex-1)
7	Monitoring at State level must take place	Fortnightly Commencing 21.12.2019		The Chief Secretary, Govt. of Telangana has reviewed on 11.03.2020, all the stake holders and issued directions to all the departments to comply with the NGT directions vide order dated: 14.02.2020.

Submission of progress by State / UT - Compliance status			
S. No.	Activity to be monitored	Time line	Monthly progress report for the month of March 2020 is furnished.
8	Progress report may be furnished by the State / UTs to Secretary, Ministry of Jal Shakti Member Secretary, CPCB	Monthly (preferably before 20 th of every month)	
9	Progress Report may be comprised of details along with completion timelines on:		
9-i	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment.		27 drains (Annex-2)
		Musi	11 drains (Annex-2)
		Nakkavagu/ Manjeera	13 drains (Annex-2)
		Maneru	5 drains (Annex-2)
		Karaka vagu & Kinnerasani	54 drains (Annex-2)
		Godavari	26 drains (Annex-2)
9-ii	<u>Status of STPs, I&D and sewerage networks</u> Details of Existing		Construction of STPs in 141 ULBs excluding GHMC by PHMED and will be handed over to concerned ULB for further O & M. The details of existing infrastructure proposed along with completion time line for I&D and sewerage network is enclosed. (Annex-3).
		Krishna	
		Musi	
		Nakkavagu/ Manjeera	
		Maneru	

Submission of progress by State / UT - Compliance status																
S. No.	Activity to be monitored	Time line														
	Infrastructure, Gap Analysis, Proposed along with completion timeline	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Karaka vagu & Kinnerasani</td> <td style="width: 50%;"></td> </tr> <tr> <td>Godavari</td> <td></td> </tr> <tr> <td>Krishna</td> <td></td> </tr> </table>	Karaka vagu & Kinnerasani		Godavari		Krishna									
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Godavari																
Krishna																
9-iii	<u>Status of CETPs- Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status.</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Musi</td> <td style="width: 50%;">4 CETPs with 7.4 MLD. 5.4 MLD discharged into River Musi after treatment through STP Amberpet Outlet. 2 MLD discharge into Nalla Cheruvu *</td> </tr> <tr> <td>Nakkavagu/ Manjeera</td> <td></td> </tr> <tr> <td>Maneru</td> <td></td> </tr> <tr> <td>Karaka vagu & Kinnerasani</td> <td></td> </tr> <tr> <td>Godavari</td> <td></td> </tr> <tr> <td>Krishna</td> <td></td> </tr> <tr> <td>Musi</td> <td></td> </tr> </table>	Musi	4 CETPs with 7.4 MLD. 5.4 MLD discharged into River Musi after treatment through STP Amberpet Outlet. 2 MLD discharge into Nalla Cheruvu *	Nakkavagu/ Manjeera		Maneru		Karaka vagu & Kinnerasani		Godavari		Krishna		Musi	
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9-iv	<u>Status of Solid Waste Management & Details of Processing Facilities</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Nakkavagu/ Manjeera</td> <td style="width: 50%;"></td> </tr> <tr> <td>Maneru</td> <td></td> </tr> <tr> <td>Karaka vagu & Kinnerasani</td> <td></td> </tr> <tr> <td>Godavari</td> <td></td> </tr> <tr> <td>Krishna</td> <td></td> </tr> </table>	Nakkavagu/ Manjeera		Maneru		Karaka vagu & Kinnerasani		Godavari		Krishna					
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Submission of progress by State / UT - Compliance status		
S. No.	Activity to be monitored	Time line
9-v	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	<p>1. Latest water quality of polluted rivers, its tributaries: Water quality for the year 2019 (Annex-4)</p> <p>2. Drains with flow details (Annex-2)</p> <p>3. Ground water quality in the catchment of polluted river stretch (Annex-5)</p>
9-vi	Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc.	<p style="text-align: center;">Musi</p> <p>1. C&D waste: Removed 3900 Cum of C&D material from river bed at Muslimjung Bridge and 130Cum of garbage thrown into the river. Got 9200 Cum of C&D material removed by HMRL at MGBS. Erected chain link fencing between Muslimjung bridge to Chaderghat bridge to prevent dumping. Installed 15 CC cameras along Musi river to monitor illegal dumping into the river (Muslimjung bridge to Goinaka Bridge).</p> <p>2. Liquid waste from hospitals (decentralizing waste processes): Proposed to develop suitable modular treatment facility for small, medium and large health care facilities and comprehensive action plan with DPRs for construction of STPs in all government hospitals and veterinary institutions towards compliance of BMW rules. A committee constituted to review the progress of work.</p> <p>Nakkavagu/ Manjeera</p> <p>Maneru</p> <p>Karaka vagu & Kinnerasani</p> <p>Godavari</p> <p>Krishna</p>

S. No.	Activity to be monitored	Time line	Submission of progress by State / UT - Compliance status
9-vii	Ground water regulation		<p>1) The WALTA Act has been adopted by the State of Telangana through G.O.Ms.No.18, Panchayat Raj and Rural Development (RD-II) Department, Government of Telangana dated 31.01.2015.</p> <p>2) As per Section 3(1) the State level WALTA Authority is Secretary to the Government and in-charge ex-officio Member Secretary and Commissioner Rural Development is state WALTA Administrator. As per WALTA rules 2004, Rule no 8,9,10 at district level, District Collector is the WALTA Authority. At divisional level RDO and at Mandal level Tahasildar is the WALTA Authority.</p> <p>3) As per rule 13 every individual or institution has to take a permission to dig a new bore well from Mandal WALTA Authority for Agriculture, Industries and Drinkingwater purposes</p> <p>4) Groundwater Department has been designated for giving feasibility report regarding availability of ground water for the proposed areas, either for individuals or non-individuals for agriculture, domestic, drinking and industrial purpose.</p> <p>5) For industries under TS Ipass Groundwater Department will give the approvals for extraction of Groundwater by recommending new bore wells sites abiding WALTA rules.</p> <p>6) Groundwater Department should assess the ground water resources in the state, by adopting Ground Water Resources Estimation Committee Methodology. As per GEC methodology, the categorisation based on status of ground water quantity is defined by stage of Ground Water extraction as given below:</p> <p>7) Ground Water Department has identified (1358) Villages as Over exploited, considering Ground Water Estimation Resources assessment for the base year 2012-13. And the same number of villages are notified by Authority i.e. Telangana State WALTA authority through G.O.Ms.No.114. Panchayat Raj and Rural Development (RD-I) Department dated 25.10.2018</p> <p>8) As per TSWALTA ACT no extraction of Groundwater is permitted in Over Exploited villages for agriculture and Industrial except for drinking purpose.</p>
9-ix	Protection and management of food plain Zones (FPZ),		<p>Musi</p> <p>Nakkavagu/ Manjeera</p>

S. No.	Activity to be monitored	Time line	Submission of progress by State / UT - Compliance status
			<p>Maneru Karaka vagu & Kinnerasani Godavari Krishna</p>
9-x	Rain water harvesting		<p>1. Rain water harvesting theme park is developed at Road No.51, Jubilee Hills, Hyderabad by creating different types of interventions on rain water harvesting and conservation along with animated films and interactive video games for creating awareness on rain water harvesting and water conservation measures for citizens and school children.</p> <p>2. The technical specifications for the RWH systems and recharge purposes and indicative list of available service provider information is placed in the website: "Hyderabadwater.gov.in"</p> <p>3. The ground water department while issuing approval to industries for withdrawal of ground water is recommending to construct a suitable rain water harvest structure as one of the terms and conditions which has to be complied by the industry mandatorily.</p> <p>Musi</p> <p>Nakkavagu/ Manjeera Maneru Karaka vagu & Kinnerasani Godavari Krishna Musi</p>
9-xi	Maintaining minimum Environmental flow of river		<p>Nakkavagu/ Manjeera Maneru Karaka vagu & Kinnerasani Godavari</p>

Submission of progress by State / UT - Compliance status		Time line	Activity to be monitored	S. No.
Krishna				
Musi	Landscaping work at a stretch of 300 meters is completed near High Court rubber dam.			
Nakkavagu/ Manjeera			Plantation on both sides of the river	9-xii
Maneru				
Karaka vagu & Kinnerasani				
Godavari				
Krishna				
Musi	1) Encroachments removed under (Muslimjung Bridge & Salarjung bridge) 2) Removed encroachments near Nayapool bridge and galvalume sheets erected to prevent further encroachments. 3) It is proposed to form a committee for notification of flood plain zone to collect data of past history of flooding and mitigating measures taken and for identification of new areas for flood mitigation.		Setting up biodiversity parks on flood plains by removing encroachment	9-xiii
Nakkavagu/ Manjeera				
Maneru				
Karaka vagu & Kinnerasani				
Godavari				
Krishna				
