

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 for the month of June 2020

S. No .	Activity to be monitored	Time line	Submission of progress by State / UT - Compliance status		Stake holder department
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Musi	<p>The gap of 1174 MLD of sewage flowing through 185 drains to water bodies was identified. HMWS&SB has issued work order to M/s.NEERI, Hyderabad for preparation of DPR for in-situ remediation of drains leading to river Musi. HMWS&SB has submitted a proposal of Rs.528.30 Crores for taking up in-situ remediation of 1174 MLD sewage at Rs.45 Lakh per MLD. To Govt. Waiting for financial approval. 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. Preparation of DPR for the balance 4 drains is in progress by NEERI.</p> <p>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	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.	
			Maneru	<p>The 12th Task Team meeting of CPCB held on 11.06.2020 has approved the action plan with conditions.</p> <ul style="list-style-type: none"> ▶ 38MLD capacity STP in Karimnagar is in operation. ▶ In-situ remediation is not proposed on the drains due to: <ul style="list-style-type: none"> ◦ Flat terrain is not available ◦ Steep slope gradient leading to high velocity ◦ Flow >5 MLD ▶ 20 and 24 TMC of water is lifted from Kaleshwaram Project to Mid Maneru and Lower Maneru Dam respectively. Due to which, the flow in the river is increased and the water quality is likely to improve. ▶ The estimated cost for 13 STPs on Maneru River is Rs.385.19 Cr. The Public Health Dept., Govt. of Telangana has informed that implementation is likely to be delayed due to Covid- 	P.H.E.D

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				<p>19 pandemic and present stringent financial position. The concentrations of the BOD have decreased in the year 2019 at Maneru due to the following interventions:</p> <ul style="list-style-type: none"> • The commencement of the 38MLD STP of Karimnagar, where in the treated water is being reused and some portion of the water is let into the river. • Further, water from Godavari through Kaleshwaram is released to a tune of 44 TMC leading to increased supply of the water leading to decreased BOD values. <p>CPCB was requested to place River Maneru stretch from LMD to Somanapally under Priority –V.</p>	
			Karakavagu & Kinnerasani	<ul style="list-style-type: none"> ▶ In-situ remediation is not proposed on the drains due to: <ul style="list-style-type: none"> ◦ Flat terrain is not available ◦ Steep slope gradient leading to high velocity ◦ Flow >5 MLD <p>Change in Priority stretch of Karakavagu from Priority III to Priority-IV submitted to CPCB Karakavagu-Kinnerasani stretch: The Karakavagu-Kinnerasani stretch is also merged as the Karakavagu flows for a short distance and merges with Kinnerasani. A revised Action Plan merging both Karakavagu-Kinnerasani stretch is submitted.</p> <p>However in the stretches both of them are identified in two different phases Karakvagu in Phase – III and Kinnerasani in Phase-IV. As the concentrations of the karakavagu are in the range of the 3-6 and also the action plan is prepared combinedly for both, it is proposed to place the Kinnerasani-Karakavagu under Priority-IV.</p>	
			Godavari	<ul style="list-style-type: none"> ▶ In-situ remediation is not proposed on the drains due to: <ul style="list-style-type: none"> ◦ Flat terrain is not available ◦ Steep slope gradient leading to high velocity ◦ Flow >5 MLD 	
			Krishna	<ul style="list-style-type: none"> ▶ In-situ remediation is not proposed on the drains due to: <ul style="list-style-type: none"> ◦ Flat terrain is not available ◦ Steep slope gradient leading to high velocity ◦ Flow >5 MLD 	

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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	Musi	<p>HMWSSB / MAUD has submitted the pre-feasibility reports of sewerage master plan costing Rs.15,884 Crores to NMCG / NRCDC, GOI. Further, 5 detailed project reports (DPRs) for priority segments at a cost of Rs.4237 crores were also submitted to the NMCG / NRCDC, Ministry of Jal Shakti, GOI for financial assistance and technical appraisal was made.</p> <p>The NMCG / NRCDC, 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.</p> <p>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. Administrative approval for 5 DPRs at a cost of 4237 Cr.</p> <p>Miryalguda (11.5 MLD- Commissioned and 5.45 MLD – Under Construction)</p>	
			Nakkavagu/ Manjeera	The DPRs mentioned in the River Musi include the Nakkavagu basin as well	HMWSSB
			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 	P.H.E.D
			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, Alampur, Ieeja, Kollapur, Makhtal 	
3	Timeline for completing all steps of action	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 	HMWSSB

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	plans including completion of setting up STPs and their Commissioning			up.			
			Nakkavagu/ Manjeera	--	P.H.E.D		
			Maneru	2020 - For Karimnagar, 2023 for other 4 STPs			
			Karaka vagu & Kinnerasani	2023			
			Godavari	2023			
			Krishna	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	HMWSSB		
5	Specifying accountability of nodal authorities not below the Secretary level		Musi	1. HMWSSB - 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. TSIIC - J.Prabhavathi - Deputy General Manager - 9948916437. 7. TSPCB – Dr.D.Prasad, Environmental Scientist	HMWSSB		
			Nakkavagu/ Manjeera				
			Maneru				
			Karaka vagu & Kinnerasani				
			Godavari				
			Krishna				

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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 as submitted earlier	HMWSSB
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.	HMWSSB
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)		Monthly progress report submitted up to 20 th June, 2020.	TSPCB
9	Progress Report may be comprised of details along with completion timelines on:				
9-i	Identification of polluting sources including drains		Musri	27 drains – details already submitted	
			Nakkavagu/ Manjeera	11 drains – details already submitted	

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	contributing to river pollution and action as per NGT order on insitu treatment.		Maneru	13 drains – details already submitted	HMWSSB
			Karaka vagu & Kinnerasani	5 drains – details already submitted	
			Godavari	54 drains – details already submitted	
			Krishna	26 drains – details already submitted	
9-ii	<u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		Musi	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 are already submitted.	HMWSSB
			Nakkavagu/ Manjeera		
			Maneru		
			Karaka vagu & Kinnerasani		
			Godavari		
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>		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	HMWSSB, TSPCB and TSIC
			Nakkavagu/ Manjeera		
			Maneru	No CETP and the details of the ETP infrastructure is already submitted	
			Karaka vagu & Kinnerasani		
			Godavari		
	Krishna				
9-	<u>Status of Solid</u>		Musi	Details enclosed	

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iv	<u>Waste Management & Details of Processing Facilities</u>		Nakkavagu/ Manjeera Maneru Karaka vagu & Kinnerasani Godavari Krishna		TSPCB and TSIIIC
9-v	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;			<ol style="list-style-type: none"> 1. Latest water quality of polluted rivers, its tributaries: Water quality for the year 2019 2. Drains with flow details (Annex-2) 3. Ground water quality in the catchment of polluted river stretch 4. Ground Water samples are collected from network of Piezometer Stations across the State during Pre and Post monsoon season (i.e., May & November-2019) and analysed. The analytical results of Pre monsoon season are already submitted on 20.04.2020 Vide This Office Lr.No.6200/GP/TSPCB/Gen.Corresp/19-20. The post monsoon-2019 ground water quality data from 607 locations river basins is herewith enclosed . 	TSPCB HMWSSB and Ground water department
9-vi	Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste		Musii	<ol style="list-style-type: none"> 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 Golnaka Bridge). 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. 	HMWSSB

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	generated from hotels, Ashrams, etc.		Nakkavagu/ Manjeera	Under Implementation	PHED, CDMA, TSPCB	
			Maneru	Under Implementation		
			Karaka vagu & Kinnerasani	Under Implementation		
			Godavari	Under Implementation		
			Krishna	Under Implementation		
9-vii	Ground water regulation			<p>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> <ol style="list-style-type: none"> 1) 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. 2) 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 3) Groundwater Department has been designated for giving feasibility report regarding availability of ground water for the proposed areas, ether for individuals or non-individuals for agriculture, domestic, drinking and industrial purpose. 4) For industries under TS Ipass Groundwater Department will give the approvals for extraction of Groundwater by recommending new bore wells sites abiding WALTA rules. 5) 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: 6) 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 		
9-viii	Adopting good irrigation practices,				HMWSSB and Ground water department	

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				<p>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>7) 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),		Musi	<p>Government vide Memo No 9170/WRG.GRC/A2/2019-1, Dt:02.03.2020 has constituted a committee with the following Chief Engineer's of the identified river stretches to collect the data of past history of flooding and mitigation measures taken and for identification of new areas for flood mitigation.</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>River Name</th> <th>River Stretch</th> <th>Concerned ENC/CE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Musi</td> <td>Hyderabad to Nalgonda</td> <td>Chief Engineer, NSP</td> </tr> <tr> <td>2</td> <td>Manjeera</td> <td>Gowdicharla to Nakkavagu</td> <td rowspan="2">Commissioner P & D of Godavari Basin</td> </tr> <tr> <td>3</td> <td>Nakkavagu</td> <td>Gandilachapet to Sevala Thanda</td> </tr> <tr> <td>4</td> <td>Karakavagu</td> <td>Along Palwancha</td> <td>SE & PA ,SRLIP -1</td> </tr> <tr> <td>5</td> <td>Maner</td> <td>Warangal to Somnapalli</td> <td>Engineer-in-Chief(P), Karimnagar</td> </tr> <tr> <td>6</td> <td>Godavari</td> <td>Basar to Khammam</td> <td>ACE, SRSP, CE, Khanthanapalli & CE, Minor (GB)</td> </tr> <tr> <td>7</td> <td>Kinnerasani</td> <td>Along Palwancha</td> <td>SE & PA ,SRLIP -1</td> </tr> <tr> <td>8</td> <td>Krishna</td> <td>Thangadigi to wadapally</td> <td>Chief Engineer, Mahabubnagar & CE, Minor (KB)</td> </tr> </tbody> </table> <p>To fix up the modalities and targets a review meeting was conducted by the ENC(Irrigation) with the above officers on 06.07.2020</p>	S.No	River Name	River Stretch	Concerned ENC/CE	1	Musi	Hyderabad to Nalgonda	Chief Engineer, NSP	2	Manjeera	Gowdicharla to Nakkavagu	Commissioner P & D of Godavari Basin	3	Nakkavagu	Gandilachapet to Sevala Thanda	4	Karakavagu	Along Palwancha	SE & PA ,SRLIP -1	5	Maner	Warangal to Somnapalli	Engineer-in-Chief(P), Karimnagar	6	Godavari	Basar to Khammam	ACE, SRSP, CE, Khanthanapalli & CE, Minor (GB)	7	Kinnerasani	Along Palwancha	SE & PA ,SRLIP -1	8	Krishna	Thangadigi to wadapally	Chief Engineer, Mahabubnagar & CE, Minor (KB)	
			S.No		River Name	River Stretch	Concerned ENC/CE																																	
			1		Musi	Hyderabad to Nalgonda	Chief Engineer, NSP																																	
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9-x	Rain water		Musi	1. Rain water harvesting theme park is developed at Road No.51, Jubilee Hills, Hyderabad by																																				

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	harvesting			<p>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>	
			Nakkavagu/ Manjeera		
			Maneru		
			Karaka vagu & Kinnerasani		
			Godavari		
			Krishna		
9-xi	Maintaining minimum Environmental flow of river		Musi		
			Nakkavagu/ Manjeera		
			Maneru	Additional water is being pumped through Kalesweram project	
			Karaka vagu & Kinnerasani		
			Godavari		
			Krishna		

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9-xii	Plantation on both sides of the river		Musi	Landscaping work at a stretch of 300 meters is completed near High Court rubber dam.	HMWSSB
			Nakkavagu/ Manjeera		
			Maneru		
			Karaka vagu & Kinnerasani		
			Godavari		
			Krishna		
9-xiii	Setting up biodiversity parks on flood plains by removing encroachment		Musi	<ol style="list-style-type: none"> 1) Encroachments removed under (Muslimjung Bridge & Salarjung bridge) 2) Removed encroachments near Nayapool bridge and galvalume sheets erected to prevent further encroachments. 3) committee constituted 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. 	HMWSSB
			Nakkavagu/ Manjeera		
			Maneru		
			Karaka vagu & Kinnerasani		
			Godavari		
			Krishna		

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