TAMILNADU POLLUTION CONTROL BOARD

From	To
Thiru.R.Vijayabaskaran ,M.E.,MBA., Member Secretary (i/c), Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-600 032.	The Additional Chief Secretary to Govt, Environment and Forests Department, Government of Tamil Nadu, Secretariat, Chennai- 600 009.

Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated: 24.08.2020.

Sir,

Sub: TNPCB-For ensuring compliance to the Hon'ble NGT order dated 06.12.2019 in O.A No.673 of 2018-Monthly Progress Report for the month of July-2020 on Action Plans for the Polluted River Stretches in Tamil Nadu to the Central Monitoring Committee, NMCG, Ministry of Jal Shakti-Submitted-Regarding.

Ref: 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/ dt.4.2.2020.
2) Office Memorandum-Legal/O.A 673 of 2018/ NMCG/2019/ dt.05.02.2020.
3) E&F D.O. Letter No.23238/EC.1/2018-28 dated 09.07.2020.

With reference to the Memorandum 2nd cited, the Monthly Progress Report for the month of July 2020 on Action Plans for the Polluted River Stretches in Tamil Nadu in the prescribed format is enclosed herewith for kind perusal and information please. It is requested that the above report may be forwarded to Executive Director-Technical, National Mission for Clean Ganga, Ministry of Jal Shakthi, Delhi with a copy to Central Pollution Control Board, Delhi

Encl: As above

For Member Secretary

Copy to: File.

No. 76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.
Tel : 22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22343140, 22353141
Fax : 044 - 22353068
Email : tnpcb@md3.vsnl.net.in Web : www.tnpcb.gov.in

Format for Submission of Monthly Progress Report by the State of Tamil Nadu

(Hon'ble NGT in the matter of OA No.673/2018 dated 06.12.2019) July 2020

Activity to be monitored	Time line	Submission of progress by State/UT-Compliance Status
		Departments Responsible for furnishing the details
Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Enclosed vide Annexure –I, II &III
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	Enclosed vide Annexure –I, II &III
Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	Enclosed vide Annexure –I, II, III & IV
Chief Secretaries may set up appropriate monitoring mechanism at State level • 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 22.01.2020	Under progress
• Monitoring at State level mist take place	Fortnightly commencing 21.12.2019	• State Monitoring Committee of Hon'ble NGT for Solid waste Management in Tamil Nadu, chaired by justice Dr. P. Jyothimani • River Rejuvenation Committee (RRC) in State level • Individual monitoring by the line departments of Commissioner of Municipal Administration, Director of Town Panchayat, Rural Development& Panchayat Raj, PWD-WRD, TNPCB etc., • District Level Monitoring Committees headed by the District Collectors, etc.,
Progress report may be furnished by the States/UT to • Secretary, Ministry of Jal Shakti • Member Secretary, TNPCB	Monthly (preferably before 20th of every month)	• Yes, Progress report for the month of June – 2020 submitted.
Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment (ii) Status of STPs, I&D and sewerage networks Details of Existing		Enclosed vide Annexure –I, II, III &IV Enclosed vide Annexure –I, II, III &IV

	infrastructure, Gap analysis, Proposed along with completion timeline		
(iii)	Status of CETPs Details of existing CETP and ETP infrastructure, Gap analysis, Proposed along with completion timeline, no. of industries and complying status		CETP along the polluted river stretches – Nil Enclosed vide Annexure – V
(iv)	Status of Solid Waste Management & Details of processing facilities Details of existing infrastructure, Gap analysis, Proposed along with completion timeline		Enclosed vide Annexure-I, II & III
(v)	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		Enclosed vide Annexure-VI
(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.,		Enclosed vide Annexure – VII
(vii)	Ground water regulation		Enclosed vide Annexure – IV
(viii)	Adopting good irrigation practices		Enclosed vide Annexure – IV
(ix)	Protection and management of Flood Plain Zones (FPZ)		Enclosed vide Annexure – IV
(x)	Rain water harvesting		Enclosed vide Annexure – IV
(xi)	Maintaining minimum environmental flow of river		Enclosed vide Annexure – IV
(xii)	Plantation on both sides of the river		Enclosed vide Annexure – IV
(xiii)	Setting up biodiversity parks on flood plains by removing encroachment		Enclosed vide Annexure – IV

Cauvery River - Monthly Progress Report										
(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**	**Name of the ULB**						
			Departments Responsible for furnishing the details	**Mettur**	**Komara palayam**	**Pallipayam**	**Kulithalai**	**Bhavani**	**Kumba konam**	**Mayiladu thurai**
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA, DTP, RD&PR	3 no. of STPs with a total capacity of 7.20 MLD is installed & treated water letout as per norms					17.00MLD capacity STP is installed & treated sewage water letout as per norms	5.80MLD capacity STP is installed & treated sewage water letout as per norms
	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	CMA, DTP, RD&PR		DPR is under preparation by PWD under "Nandhai Vazhi Cauvery Scheme"					DPR is under preparation by PWD under "Nandhai Vazhi Cauvery Scheme"
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	Due to COVID-19, effeting HSCs was delayed and all the households will be connected to sewerage network by December 2020	Mar-21	Mar-21	Mar-21	Mar-21	89% of UGSS work is completed in leftout areas of kumbakkonam municipaliaty & the balance work will be completed before 01-10-2020	Mar-21

Sl. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance	Name of the ULB						
			Departments Responsible for furnishing the details	Mettur	Komara palayam	Pallipayam	Kulithalai	Bhavani	Kumba konam	Mayiladu thurai
6.1	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	5 polluting source locations are identified & after connecting all the houses with sewerage network & sewage water outfall is stopped permanently to the river.	5 locations are identified	7 locations are identified	3 locations are identified	6 locations are identified	After completion of UGSS leftout area scheme work , all the houses will be connected to sewerage network & sewage water outfall is stopped permanently to the river.	
	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Sewage generation - 5.96MLD Available STP Capacity - 7.20MLD Gap-Nil	Sewage generation - 5.60MLD Gap-5.60MLD	Sewage generation - 2.95MLD Gap-2.95MLD	Sewage generation - 2.06MLD Gap- 2.06MLD	Sewage generation - 3.36MLD Gap-3.36MLD	Sewage generation - 12.08MLD Available STP Capacity - 17.00MLD GAP - Nil	Sewage generation - 5.58MLD Available STP Capacity - 5.80MLD GAP- Nil
				* To fill the gap DPR is under preparation by PWD under Nadanthai Vazhi Cauvery						

Sl. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance	Name of the ULB						
			Departments Responsible for furnishing the details	**Mettur**	**Komara palayam**	**Pallipayam**	**Kulithalai**	**Bhavani**	**Kumba konam**	**Mayiladu thurai**
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)							
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation:15 TPD Wet Waste - 9TPD Micro Composting Plant – 3Nos. of 9TPD Dry waste – 6 TPD Saleable waste of 3.5TPD Inert &Silt – 0.50 TPD Used for Filling Low Lying Areas Gap:2 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste	MSW Generation:22 TPD Wet Waste - 14TPD Micro Composting Plant – 2 Nos. of 5 TPD On – Site Composting – 1 location – 1 TPD Barrel Composting– 1800 nos. of 8 TPD - Functioning Dry waste – 8 TPD Saleable waste of 4.50 TPD Inert & Silt -1.5 TPD Used for Filling Low Lying Areas Gap:2 TPD	MSW Generation:12 TPD Wet Waste- 7 TPD Micro Composting Plant – 1 Nos. of 2 TPD Bio Methanation– 1 no. of 5TPD Dry Waste - 5TPD Saleable waste of 2.00 TPD Inert & Silt -0.6 TPD Used for Filling Low Lying Areas Gap:2.4 TPD Proposal: Incineration plant is proposed on cluster basis to process the	MSW Generation: 7.00 TPD Wet Waste 4.00 TPD Micro Composting Plant – 2 Nos. of 3 TPD 2. Vermi composting – 1 nos. of 1 TPD Dry Waste -3 TPD Saleable waste of 1.50 TPD Inert & Silt - 0.5 TPD Used for Filling Low Lying Areas Gap:1.00 TPD Proposal:	MSW Generation: 15.00 TPD Wet Waste - 9.00 TPD Micro Composting Plant – 2 Nos. of 9.00 TPD Dry Waste -6 TPD Saleable waste of 3.50 TPD Inert & Silt - 1.00 TPD Used for Filling Low Lying Areas Gap:1.50 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste	MSW Generation: 70 TPD Wet Waste of 41 TPD 1.Micro Composting Plant – 5 Nos. of 20 TPD 2. On – Site Composting – 41 nos. of 16 TPD 3. Bio Methanation Plant -1No of 5TPD Dry Waste -29 TPD Saleable waste of 20 TPD Inert & Silt - 5.00 TPD Used for Filling Low Lying Areas	MSW Generation: 32.00 TPD Wet Waste 18 .00 TPD Micro Composting Plant – 3 Nos. of 15 TPD On – Site Composting – 4 nos. of 3.0 TPD Dry Waste -14 TPD Saleable waste of 7.00 TPD Inert & Silt - 3.00 TPD Used for Filling Low Lying Areas Gap:4.00 TPD Proposal: Incineration plant is proposed on

Sl. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance	Name of the ULB						
			Departments Responsible for furnishing the details	Mettur	Komara palayam	Pallipayam	Kulithalai	Bhavani	Kumba konam	Mayiladu thurai
	(viii) Adopting good irrigation practices,		PWD							
	(ix) Protection and management of Flood plain Zones		PWD							
	(x) Rain water harvesting,		PWD, CMA, DTP, RD&PR	8854 no. of RWH structures provided	25121 no. of RWH structures provided	8553 no. of RWH structures provided	7574 no. of RWH structures provided	6520 no. of RWH structures provided	11945 no. of RWH structures provided	3470 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)							
	(xii) Plantation on both sides of the		PWD(WRD), Forests Department							
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department							

Thirumanimutharu River - Monthly Progress Report

(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	Name of the ULB
			Departments Responsible for furnishing the details	**Salem**
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA, DTP, RD&PR	4 no. of STPs completed & 2 STPs are partially commenced and treated sewage letout as per norms
	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	CMA, DTP, RD&PR	
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	Balance work in the collection system will be completed by June 2022.
6	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	River Rejuvenation Committee (RRC) / TNPCB	
6.1	Progress Report may be comprised of details along with completion timelines on:			

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Salem**
	(i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Identified drains are diverted in Vellakuttai & Anaimedu STPs. For the remining works I& D work is in progress & it will be completed by August 2020.
	(ii) Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Sewage generation - 100.03MLD Available STP Capacity -98.00MLD GAP - 2.03MLD To fill the gap the leftout area DPR is under preparation by the consultant
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Salem**
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation: 370 TPD Wet Waste -215 TPD Micro Composting Plant – 17 Nos. Of 85 TPD On Site Composting – 86 locations – 20 TPD Bio Methanation Plant – 2Nos. – 8 TPD BWGs processing 17 TPD Dry Waste -155.00 TPD Saleable waste of 105.00 TPD Inert & Silt -20.00 TPD Used for Filling Low Lying Areas Gap:114.00 TPD Proposal: MCC-13 Nos will be completed before June 2020 Incineration plant is proposed on cluster basis to process the gap of Dry waste Time Line :December
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:		TNPCB (River Water Sampling Report) PWD(WRD) & SG&SWRC (Ground Water quality)	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Salem**
	(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.		TNPCB (BMW & Hazardous Waste) CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	
	(vii) Ground water regulation		PWD	
	(viii) Adopting good irrigation practices,		PWD	
	(ix)Protection and management of Flood plain Zones (FPZ),		PWD	
	(x) Rain water harvesting,		PWD, CMA, DTP, RD&PR	91148 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)	
	(xii) Plantation on both sides of the river		PWD(WRD), Forests Department	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Salem**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department	

Sarabanga River - Monthly Progress Report

(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	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA, DTP, RD&PR	
	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	CMA, DTP, RD&PR	To treat the blackwater 40KLD FSTP work is under progress. To treat the sullage water, DPR prepared by TWADB at an estimated cost of Rs.40.40crore & sent to TNPCB for fund tie-up.
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	FSTP will be completed on December 2020.
5	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level	22.01.2020	Govt. of Tamil Nadu	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
	• Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 Fortnightly Commencing 21.12.2019	Department wise monitoring, District level monitoring committee, River Rejuvenation Committee (RRC) at State level	
6	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	River Rejuvenation Committee (RRC) / TNPCB	
6.1	Progress Report may be comprised of details along with completion timelines on:			

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
	(i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	22 polluting source locations are identified
	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Sewage generation - 5.20 MLD Available STP Capacity -Nil GAP - 5.20MLD
				To fill the gap the DPR prepared & sent to TNPCB for fund tie-up
	(iii) <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status		TNPCB	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)	
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation: 16TPD Wet Waste 9TPD Micro Composting Plant – 5 Nos. of 9.00 TPD Dry Waste -7.00 TPD Saleable waste of 4.00 TPD Inert & Silt -0.70 TPD Used for Filling Low Lying Areas Gap:2.30 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste Time Line :December 2020
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		TNPCB (River Water Sampling Report) PWD(WRD) & SG&SWRC (Ground Water quality)	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
	(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.		TNPCB (BMW & Hazardous Waste) CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	
	(vii) Ground water regulation		PWD	
	(viii) Adopting good irrigation practices,		PWD	
	(ix) Protection and management of Flood plain Zones (FPZ),		PWD	
	(x) Rain water harvesting,		PWD, CMA, DTP, RD&PR	8865 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)	
	(xii) Plantation on both sides of the river		PWD(WRD), Forests Department	

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB
			Departments Responsible for furnishing the details	**Idappadi**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department	

Vasista River - Monthly Progress Report

(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	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA, DTP, RD&PR	-	-
	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	CMA, DTP, RD&PR	To treat the blackwater 40KLD FSTP work is under progress. To treat the sullage water, DPR is under preparation by M/s TWIC	To treat the blackwater, it is proposed cluster with Attur FSTP. To treat the sullage water, DPR is under preparation by M/s TWIC
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	FSTP work - December 2020 DPR will be ready by October 2020 & after necessary financial tie-up work will be commenced.	DPR will be ready by October 2020 & after necessary financial tie-up work will be commenced.
6.1	Progress Report may be comprised of details along with completion timelines on:				

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram
	(i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	3 polluting source locations are identified	3 polluting source locations are identified
	(ii) Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Sewage generation - 4.45 MLD Available STP Capacity -Nil GAP - 4.45 MLD	Sewage generation - 1.28 MLD Available STP Capacity -Nil GAP - 1.28MLD
				To fill the gap the DPR is under preparation by M/s TWIC	To fill the gap the DPR is under preparation by M/s TWIC
	(iii) Status of CETPs Details of Existing CETP and ETP Infrastructure, Gap Analysis,		TNPCB		

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram
	Proposed along with completion timeline, No. of industries and complying status				
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)		
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation: 18 TPD Wet Waste of 10 TPD Micro Composting Plant – 4 Nos. 10 TPD Dry Waste -8.00 TPD Saleable waste of 2.00 TPD Inert & Silt -0.50 TPD Used for Filling Low Lying Areas Gap:5.50 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste Time Line :December	MSW Generation: 7.00 TPD Wet Waste 4 TPD Micro Composting Plant – 3Nos. of 4 TPD Dry Waste -3.00 TPD Saleable waste of 2.00 TPD Inert & Silt -0.50 TPD Used for Filling Low Lying Areas Gap:0.50 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste Time Line :December 2020

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		TNPCB (River Water Sampling Report) PWD(WRD) & SG&SWRC (Ground Water quality)		
	(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.		TNPCB (BMW & Hazardous Waste) CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)		
	(vii) Ground water regulation		PWD		
	(viii) Adopting good irrigation practices,		PWD		
	(ix) Protection and management of Flood plain Zones (FPZ),		PWD		

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram
	(x) Rain water harvesting,		PWD, CMA, DTP, RD&PR	4006 no. of RWH structures provided	4279 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)		
	(xii) Plantation on both sides of the river		PWD(WRD), Forests Department		
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department		

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB	
			Departments Responsible for furnishing the details	Attur	Narasingapuram

Bhavani River - Monthly Progress Report

(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	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA	50.55MLD capacity STP installed and the scheme is partially commenced & treated sewage letout as per norms			
	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	CMA		DPR is under preparation by PWD under "Nandhai Vazhi Cauvery Scheme"	Construction of STP(8.65MLD) work is under progress and the works will be completed by March 2021	2 no. of STPs with a total capacity of 5.21MLD is under progress and the works will be completed by June 2020.
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	Balance work in the collection system will be completed on December 2020	Mar-21	Mar-21	April 2020
6	Progress report may be furnished by the States/UTs to	Monthly (preferably before 20th	River Rejuvenation Committee				

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
6.1	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment (ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board CMA, DTP, RD&PR, PWD(WRD), TWAD Board	2 locations are identified Sewage generation - 44.59MLD Available STP Capacity - 50.55MLD Gap-Nil	10 locations are identified Sewage generation - 4.90MLD Gap-4.90MLD To fill the Gap, PWD-WRO,(Trichy Division) is preparing the DPR for I&D work	3 locations are identified Sewage generation -7.08 MLD Gap-7.08 MLD To fill the Gap, 8.69MLD capacity STP work is under progress & it will be completed by March 2021	6 locations are identified Sewage generation - 2.90 MLD Gap-2.90 MLD To fill the Gap, 5.21 MLD capacity STPs(2 nos) works are in progress & it will be completed by March 2021

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
	(iii) Status of CETPs Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status		TNPCB				
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)				

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation:170 TPD Wet Waste of 85 1.Micro Composting Plant – 24 Nos. of 70 TPD 2. On – Site Composting – 25 locations – 5 TPD 3. Bio Methanation– 1 nos. of 10 TPD Dry waste – 85 TPD Saleable waste (Plastic, Metal & Rubber) of 35 TPD Inert & Silt – 20 TPD Stored along with C&D waste. Used in Filling Low Lying Areas 10 TPD of dry waste to	MSW Generation: 20 TPD Wet Waste of 11 TPD : Micro Composting Plant – 2 Nos. 7 TPD Bio Methanation Plant – 1 TPD 3. On – Site Composting – 7 locations – 1.00 TPD 4.Windrow Composting – 2 TPD Dry waste – 9 TPD Saleable waste (Plastic, metal, Rubber etc.,@ 5.0 TPD Inert & Silt – 1.0 TPD – Used for Filling Low Lying Areas Gap:3 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of Dry waste	MSW Generation: 24TPD Wet Waste of 12 TPD Micro Composting Plant – 2 Nos. of 8 TPD Bio Methanation Plant – 1 no. of 3 TPD On – Site Composting – 3 locations – 1.0 TPD Dry Waste – 12 TPD Saleable waste (plastic, metal, rubber etc., 7 TPD Inerts & Silt -2 TPD Used in Filling Low Lying Areas Gap:3 TPD	MSW Generation:12 TPD Wet Waste - 7.00 TPD 2 Nos Micro Composting Plant –5 TPD On – Site Composting – 1 location s– 0.5 TPD Windrow Composting – 1 TPD BWGs processing 0.5 TPD Windrow Composting – 1 TPD Dry waste Generation – 5.00 TPD Saleable waste (Plastic, metal & Rubber) 3 TPD Inert & Silt -1 TPD Used for Filling Low Lying Areas Gap:1 TPD Proposal:

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		TNPCB (River Water Sampling Report) PWD(WRD) & SG&SWRC (Ground Water quality)				
	(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. (vii) Ground water regulation (viii) Adopting good irrigation practices,		TNPCB (BMW & Hazardous Waste) CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste) PWD PWD				

Sl.No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB			
			Departments Responsible for furnishing the	Erode	Gobichettipalayam	Mettupalayam	Sathyamangalam
	(ix) Protection and management of Flood plain Zones (FPZ),		PWD				
	(x) Rain water harvesting		PWD, CMA, DTP, RD&PR	74479 no. of RWH structures provided	10263 no. of RWH structures provided	14325 no. of RWH structures provided	10766 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)				
	(xii) Plantation on both sides of the river		PWD(WRD), Forests Department				
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department				

Thamirabani River - Monthly Progress Report

(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	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	CMA, DTP, RD&PR			**24.20MLD** capacity STP is installed & treated sewage water letout as per norms
	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	CMA, DTP, RD&PR	To treat the blackwater 30KLD FSTP work is under progress. To treat the sullage water, DPR is under preparation by M/s TWIC	To treat the blackwater 30KLD FSTP work is under progress. To treat the sullage water, DPR is under preparation by M/s TWIC	
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	CMA, DTP, RD&PR	FSTP will be completed on December 2020	FSTP will be completed on December 2020	Ongoing Under Ground Sewerage schemes will be completed by December 2021
6	Progress report may be furnished by the States/UTs to . Secretary, Ministry of Jal Shakti . Member Secretary, CPCB	Monthly (preferably before 20th of every month)	River Rejuvenation Committee (RRC) / TNPCB			

Sl. No	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
6.1	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment		CMA, DTP, RD&PR, PWD(WRD), TWAD Board			
	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR, PWD(WRD), TWAD Board	Sewage generation - 2.98 MLD Available STP Capacity -Nil GAP - 2.98 MLD To fill the gap the DPR is under preparation by M/s TWIC	Sewage generation - 2.98 MLD Available STP Capacity -Nil GAP - 2.98 MLD To fill the gap the DPR is under preparation by M/s TWIC	Sewage generation - 56.46MLD Available STP Capacity - 24.20MLD Proposed STP capacity - 34.00MLD Gap-Nil
	(iii) <u>Status of CETPs</u>					

Sl. No	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
	Details of Existing CETP and ETP Infrastructure, Gap Proposed along with completion timeline, No. of industries and complying status		TNPCB			
	(iv) Status of Solid Waste management & Details of Processing Facilities		TNPCB (BMW & Hazardous Waste)			

Sl. No	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
	Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)	MSW Generation: 15.00 TPD Wet Waste 9.00TPD Micro Composting Plant – 2 Nos. of 6 TPD On – Site Composting – 6 locations – 2.00 TPD BWGs processing-1 TPD Dry Waste -6.00 TPD Saleable waste of 3.6 TPD Inert & Silt -0.90 TPD Used for Filling Low Lying Areas Gap:1.50 TPD Proposal: Incineration plant is proposed on cluster basis to process the gap of	MSW Generation: 21TPD Wet Waste 12.6 TPD 1.Windrow Composting Plant – 1No. of 2 TPD 2. Micro Composting Plant – 4 No. of 10.6 TPD Dry Waste - 8.40 TPD Saleable waste of 5.00 TPD Inert & Silt - 1.00 TPD Used for Filling Low Lying Areas Gap:2.40 TPD Proposal: Incineration plant is	MSW Generation: 170 TPD Wet Waste - 97 TPD Micro Composting Centres – 41 Nos-97 TPD Dry Waste -73 TPD Saleable waste of 40.00 TPD Inert & Silt - 5.00 TPD Used for Filling Low Lying Areas Gap:28.00 TPD Proposal: Incineration plant is proposed on cluster basis to process the
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment		TNPCB (River Water Sampling Report) PWD(WRD) & SG&SWRC (Ground Water quality)			

Sl. No	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
	(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.		TNPCB (BMW & Hazardous Waste) CMA, DTP, RD&PR (MSW, Plastic waste, C&D waste, E-waste)			
	(vii) Ground water regulation		PWD			
	(viii) Adopting good irrigation practices,		PWD			
	(ix) Protection and management of Flood plain Zones		PWD			
	(x) Rain water harvesting,		PWD, CMA, DTP, RD&PR	7857 no. of RWH structures provided	20237 no. of RWH structures provided	153220 no. of RWH structures provided
	(ix) Maintaining minimum environmental flow of river		PWD(WRD)			
	(xii) Plantation on both sides of the river		PWD(WRD), Forests Department			

Sl. No	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance Status	Name of the ULB		
			Departments Responsible for furnishing the details	Ambasamudram	Vickramasingapuram	Tirunelveli
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD(WRD), Revenue Department			

Annexure-I

MONTHLY PROGRESS REPORT FOR THE POLLUTED RIVER STRETCHES IN TAMIL NADU

(MARCH-2020 TO MAY-2020)

BY

Commissionerate of Municipal Administration

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Action Taken Report for Rejuvenation of River Sarabanga Thathayampatti to T.Konagapadi Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER SARABANGA

1. River Sarabanga – Thathayampatti to T.Konagapadi Stretch-(15Kms)-Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Sarabanga:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Sarabanga	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Salem District:** ❖ **Edappadi Municipality** • No. of sewage outfall identified: 22 Locations • Population: 56193 • Qty of Sewage generated: 5.20 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present mode of Disposal: The blackwater is collected in septic tanks by individual households. • **Plan of Action:** ➢ In order to treat the black water, construction of **30kld Fecal Sludge Treatment Plant** work is taken up and is in progress at an estimated cost of **Rs. 4.00 Crore** and it will be completed before **31.12.2019** under **IUDM 2018-19 fund**. ➢ To handle the **sullage water** discharged through **22 no. of major channels** which confluence with the river stretch, it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter which will treat the sullage and discharge the treated water into the water course. ➢ The ULB has prepared detailed estimate for establishing liquid waste	Municipal Administration	**Dec-2019**	**Fecal sludge Treatment plant** ➢ Bio-mining work completed **Fecal Sludge Treatment Plant completion plan** ➢ July 2020 - 20% ➢ August 2020 – 40% ➢ October 2020 – 75% ➢ December 2020 - 100% ➢ To handle the Sullage water, DPR prepared by TWAD Board at an estimated cost of Rs. 40.40 crore & submitted to TNPCB for fund tie-up.

		treatment facility at a cost of Rs.250.00 lakh. This fund is proposed to tied up with **Capital grant fund 2019-20** and is expected to be completed by **December 2019.**		**Dec-2019**	
2.	Solid Waste Management and Disposal Plan	❖ **Edappadi Municipality** • No. of MSW dumping points identified: Nil • Population: 56193 • Qty of MSW Generated: Wet waste: 9 TPD Dry waste: 7 TPD Total: 16 TPD MSW Collection – 100% MSW Segregation – 86% Present Treatment Method: Wet waste: Micro composting-5Nos – 15 TPD On-site composting facility – 2Nos – 0.5 TPD. Dry waste: • Saleable waste - 4 TPD • The Non saleable /Non-Biodegradable waste – 2.3 TPD - stored in the RRC at all MCCs. • Inert &Silt – 0.7 TPD stored with C&D waste for land filling. **Proposed Plan of Action: Nil** MSW Treatment Facility provided.	Municipal Administration	**-**	Completed Incineration plant is proposed on cluster basis to process the Dry waste Time Line :December 2020

Action Taken Report for Rejuvenation of River Vasista Manivilundhan to Thiyaganur Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER VASISTA

2. River Vasista – Manivilundhan to Thiyaganur Stretch-(10Kms) – Priority-I.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Vasistanadhi:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Vasistanadhi	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Salem District** ❖ **Narasingapuram Municipality** • No. of sewage outfall identified: 3 Location • Population: 26000 • Qty of Sewage generated: 1.28 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: The black water is collected in septic tanks by individual households. • **Plan of Action:** • In order to treat the black water, it is proposed to **cluster with Attur FSTP** and co-treated. • To handle the **sullage water** discharged through **3 no. of major channels** which confluence with the river stretch, it is proposed to provide in-situ treatment methodology by providing Screen, Grit followed by Horizontal planted gravel filter which will treat the sullage and discharge the treated water into the water course. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs100.45lakh**. This fund is proposed to be tied up with **Capital grant fund** 2019-20 and is expected to be completed by **October 2019.**	Municipal Administration	**Oct-2019**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable minister for Municipal Administration & Water Supply department, Rural Development & Panchayat Raj Department and Special Initiatives has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has appointed as consultant for preparation of DPR. • The DPR will be expected to be ready by 30.08.2020 and the implementation will commence from October 2020 and probable completion is expected by December 2021.

		❖ **Attur Municipality** • No. of sewage outfall identified: 1 Location • Population: 65200 • Qty of Sewage generated: 4.45 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: The black water is collected in septic tanks by individual households. **Plan of Action:** • In order to treat the black water, construction of **40 KLD Fecal Sludge Treatment Plant** work is taken up and is in progress at an estimated cost of **Rs. 4.41 Crore** and it will be completed before **31.12.2019** under **IUDM 2018-19 fund**. • To handle the **sullage water** discharged through **3 no. of major channels** which confluence with the river stretch, it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter which will treat the sullage and discharge the treated water into the water course. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of Rs.165.70 lakh. This fund is proposed to tied up with **Capital grant fund 2019-20** and is expected to be completed by **October 2019.**	Municipal Administration	**Oct-2019**	Fecal Sludge Treatment Plant completion plan July 2020 - 40% October 2020 – 70% December2020 -100% • Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable minister for Municipal Administration & Water Supply department, Rural Development & Panchayat Raj Department and Special Initiatives has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has appointed as consultant for preparation of DPR. • The DPR will be expected to be ready by 30.08.2020 and the implementation will commence from October 2020 and probable completion is expected by December 2021.
2	Solid Waste Management and Disposal Plan	❖ **Salem District** ❖ **Narasingapuram Municipality** • No. of MSW dumping points identified: 1 • Population: 26000	Municipal Administration		

		• Qty of MSW Generated: Wet waste: 4 TPD Dry waste: 3 TPD Total: 7 TPD MSW Collection – 94% MSW Segregation – 87% Present Treatment Method: Wet waste: Nil Dry waste: 3 TPD • Other saleable waste (Plastic, Rubber, Metal etc.,) of 1.8 Tonne sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 0.9 TPD is stored in the earmarked location at MCC, Appamasamudhram. • Inert and Silt 0.3 TPD stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** • Wet Waste of 4 TPD are proposed as below: • Micro Composting Plant – 3Nos. of 8 TPD (Will be completed before April 2019-SBM Funds).		**Apr-2019**	100% Collection & Segregation achieved. • MSW Collection – 100% • MSW Segregation – 100% • MSW processing – 100% Completed
		❖ **Attur Municipality** • No. of MSW dumping points identified: Nil • Population: 65200 • Qty of MSW Generated: Wet waste: 10 TPD Dry waste: 8 TPD Total: 18 TPD MSW Collection – 90% MSW Segregation – 84% Present Treatment Method: Wet waste: Nil Dry waste: 8 TPD • Other saleable waste (Plastic, Rubber, Metal etc.,) of 4.8 Tonne sold out to the identified vendors & registers	Municipal Administration		100% Collection & Segregation achieved. • MSW Collection – 100% • MSW Segregation – 100% • MSW processing – 100%

		are being maintained. • The Non saleable Non Biodegradable waste of 2.4 TPD is stored in the earmarked location at Thennakudipalayam. • Inert and Silt 0.8 TPD stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** • Wet Waste of 10 TPD are proposed as below: • Micro Composting Plant – 5Nos. of 15TPD (Will be completed before April 2019-SBM Funds).		**Apr-2019**	Completed

Action Taken Report for Rejuvenation of River ThirumanimutharuSalem to Papparapatti Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER THIRUMANIMUTHARU

3. River Thirumanimutharu–Salem to Papparapatti Stretch-(15Kms) – Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Thirumanimutharu:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Thirumanimutharu	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1	Sewage Treatment and Disposal plan	❖ **Salem Corporation** • No. of sewage outfall identified: 8 Nos. • Population: 913188 • Qty of Sewage generated: 100.03 MLD • Status of UGSS: Under Construction • Status of STP: Presently the Salem Corporation has provided 4 Nos of STPs. • **Plan of Action:** • To treat the waste water, the implementation of Under Ground Sewerage scheme work was taken up and is under implementation at an estimated cost of Rs.149.39 crore with 4 nos. of STPs with a total capacity of 98.00 MLD and it will be completed by December 2019(Except Package-2). • Package-2 work will be completed on December 2020. • As on date, out of 40000 connections, 2530 no. of Houses service connections were effected and the remaining connections will be effected before December 2019. • After the completion of this	Municipal Administration	**Dec-2019** **Dec-2020** **Dec-2019**	• 2 no. of STPs at Vellakuttai and Anaimedu are functioning and 5718 House service connections has been given. • In package-III, Out of 184.85km length of collection system 165.48km length completed. For remaining length of collection system permission obtained from NH Department and the work will be commenced. • In package-II, Out of 150.65km length of collection system, 72.78km has been completed. For the balance length of collection system work taken up under SMART City Mission and the ensured sewage flow into the Vandipettai STP. • Out of 40000 no. of House Service connections, In Phase-I Tender called for effecting 20000 no. of House service Connections, in which 5718 House service connections has given and it is connected to Vellakuttai and Anaimedu STPs and remaining connections will be effected by December 2020.

		scheme work, Outfalls in the River Thirumanimutharu will be stopped permanently.			• In the meantime, Action has been initiated for diverting the sullage flow in Strom water drain by Intercepting and diverting it to STP as a temporarily measure to Anaimedu, Vellakuttai & Mankuttai STP and 3.06MLD of sewage water is treated.
2	Solid Waste Management and Disposal Plan	❖ **Salem Corporation** • No. of MSW dumping points identified: 7 • Population: 913188 • Qty of MSW Generated: Wet waste: 215 TPD Dry waste: 155 TPD Total: 370 TPD MSW Collection – 100% MSW Segregation – 74% Present Treatment Method: Wet waste: Bio-methanation-2Nos – 8 TPD Dry waste: • Saleable waste – 93 TPD • The Non-Biodegradable waste – 47 TPD – stored in the RRC at all MCCs. • Inert &Silt – 15 TPD stored with C&D waste for land filling. **Proposed Plan of Action:** 1. Micro Composting Plant – 30 Nos. of 150 TPD (Will be completed before April 2019 SBM Funds. 2. Additional 10 Nos. MCC of 50 TPD will be established before October 2019 utilizing Corporation Revenue fund. 3. On – Site Composting – 86 locations – 20 TPD (Will be completed before April 2019).	Municipal Administration	**100% Segregation will be achieved before 30.06.2019.** **April 2019** **Oct-2019** **April 2019**	94% Segregation achieved. 100% target will be achieved before December 2020. 24 Nos of Micro Composting Plant with capacity of 117 TPD completed and remaining 6 nos will be completed before October 2020. Incineration plant is proposed to process the Dry waste Time Line :March 2021

Action Taken Report for Rejuvenation of River Cauvery

Mettur to Mayiladuthurai Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER CAUVERY

4. River Cauvery – Mettur to Mayiladuthurai Stretch–(200Kms) – Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Salem District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Salem District** ❖ **Mettur Municipality** • No. of sewage outfall identified: 11 Locations • Population: 55200 • Qty of Sewage generated: 5.96 MLD • Status of UGSS: Provided • Status of STP: 3 Nos of STP Provided with capacity 7.20 MLD • Present mode of Disposal: **Under Ground Sewerage scheme work** is completed at an estimated cost of Rs.73.09 crore with 3 numbers of STPs of total capacity **7.20 MLD** and **is functioning.** • **Plan of Action:** • As on date, out of **15000 connections**, 7274 number of houses service connections were effected and the remaining connections will be effected before **August 2019**. • After the completion of this scheme work, Outfalls in the River Cauvery will be stopped permanently.	Municipal Administration	**Aug-2019**	Under Ground Sewerage Scheme work is completed & put into public use. Out of 7274 number of HSCs targeted so far 4300 no. of connections. Due to COVID-19, effecting HSCs is delayed. The plan of Action for effecting remaining HSCs July 2020 - 4300 Nos December 2020 - 7274 Nos
2.	Solid Waste Management and Disposal Plan	❖ **Salem District** • **Mettur Municipality** • No. of MSW dumping points identified: 1 location	Municipal Administration		

		• Population: 55200 • Households: 12501 • Qty of MSW Generated: Wet waste: 9 TPD Dry waste: 6 TPD Total: 15 TPD MSW Collection – 87% MSW Segregation – 52% Present Treatment Method: **Wet waste:** • On – Site Composting – 3 locations – 0.5 TPD (Completed and put to use). • Bio Methanation– 1 no. of 5TPD (Completed and put to Use)- Gas Used for Internal Lighting in compost yard. **Dry waste:** • Saleable waste of 4 TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 1.50 TPD is stored in the RRC at KombaranKaadu. • Inert &Silt -0.50TPD Stored along with C&D waste. Used for Filling Low Lying Areas. **Proposed Plan of Action:** • **Wet Waste:** ✓ Micro Composting Plant – 3Nos. of 9TPD (Will be completed before June 2019).		**June-2019**	Completed

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Erode District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Erode Corporation:** • No. of sewage outfall identified: 4 Locations • Population: 547933 • Qty of Sewage generated: 44.59 MLD • Status of UGSS: Under Construction • Status of STP: 50.55 MLD -STP under construction • Present mode of Disposal: The blackwater is collected in septic tanks by individual households. • **Plan of Action:** • **Under Ground Sewerage scheme work** was taken up and is under implementation at an estimated cost of Rs.209.22 crore with a STP capacity of **50.55 MLD** and it will be completed by **December 2019.** • As on date, out of 72500 connections, 7274 number of house service connections were effected and the remaining connections will be effected before December 2019. • After the completion of this scheme work, Outfalls in the River Cauvery will be stopped permanently.	Municipal Administration	**Dec-2019** **Dec-2019**	• Out of 5 Packages, 3 Packages of Collection system and 1 Package of STP completed. • Under Package-II, out of 105.04km length of collection system, 73.55km length completed and due to poor performance the contract was terminated. • For the balance work in Package-II, tender received and the work will be completed on 31.12.2020 • Out of 40000 HSCs, as on date, 14190 no. of Internal Plumbing HSCs effected & the remaining HSCs will be completed with the following schedule. June 2020 – 20000 October 2020 – 30000 December 2020 – 40000
		❖			
		❖ **Bhavani Municipality** • No. of sewage outfall identified: Nil	Municipal Administration		

		• Population: 40270 • Qty of Sewage generated: 3.36 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present mode of Disposal: The blackwater is collected in septic tanks by individual households. • **Plan of Action:** • In order to treat the black water, it is proposed to **cluster with Erode STP** and co-treated. • To handle the sullage water discharged through **6 nos. of major channels** which confluence with the river stretch, it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs. 37.00 lakhs**. This fund is proposed to be tied up with **Infrastructure gap filling fund 2019-20** and is expected to be completed by **October 2019.**		**Oct-2019** **Oct-2019**	• Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal Plan	❖ **Erode Corporation** • No. of MSW dumping points identified: 2 Locations • Population: 547933 • Qty of MSW Generated: Wet waste: 85 TPD Dry waste: 85 TPD Total: 170 TPD MSW Collection – 87% MSW Segregation – 49% Present Treatment Method: **Wet waste: - 85 TPD** • On – Site Composting – 25	Municipal Administration	**100% will be achieved before 30.06.19**	Collection 95% achieved & 90% segregation achieved. 100% Target will be achieved before September 2020.

		locations – 5 TPD (Completed and put to use) • Bio Methanation– 1 nos. of 10 TPD (functioning) **Dry waste: - 85 TPD** • Saleable waste (Plastic, Metal & Rubber) of 35 TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 20 TPD is stored in the earmarked location at Vendipalayam. • Inert & Silt - 20 TPD Stored along with C&D waste. Used in Filling Low Lying Areas. **Proposed Plan of Action:** **Wet-waste:** 1. Micro Composting Plant – 19 Nos. of 50 TPD (Will be completed before Aug 2019 and 5 Nos of 20 TPD will be completed by Oct 2019.) **Dry waste:** • It is proposed to supply 30 TPD of dry waste to Incinerator for Combustible. All ready Available Incinerator - 1nos -5 TPD. • Bio-mining of Vairapalayam Dump yard on the banks of River Cauvery-work will be commenced in May 2019 & completed in March 2020- Funding under SMART CITY.		**Oct-2019** **March-2020**	Completed Incineration plant is proposed for 35 TPD under Smart City to process the Dry waste Time Line :March 2021 Completed
		❖ **Bhavani Municipality** • No. of MSW dumping points identified: Nil • Population: 40270 • Qty of MSW Generated: Wet waste: 9 TPD Dry waste: 6 TPD Total: 15 TPD	Municipal Administration	**100%**	

		MSW Collection – 95% MSW Segregation – 80% Present Treatment Method: **Wet waste: - 9 TPD** • Micro Composting Plant – 2 Nos. of 10 TPD (Completed and functioning) **Dry waste: - 6 TPD** • Saleable waste of 3.5TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 1.50 TPD is stored in the RRC at Varnapuram & Periodically disposed to Ultra Tech cement. • Inert & Silt- 1TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:Nil** MSW Treatment Facility provided.		**will be achieved before 30.06.19**	MSW Collection 100% achieved &Segregation 97% achieved. 100% Target will be achieved before September 2020

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Namakkal District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Namakkal District:** • **Komarapalayam Municipality** • No. of sewage outfall identified: 5 Locations • Population: 76120 • Qty of Sewage generated: 5.60 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present mode of Disposal: The blackwater is collected in septic tanks by individual households. • **Plan of Action:** • It is proposed to establish **20KLD FSTP** at an estimated cost of Rs.2.50 Crores with the financial assistance of ensuing 2019-20 **IUDM funding** and is expected to be completed before December 2019. • To handle the **sullage water** discharged through 7 nos. of major channels which confluence with the river stretch,it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs.1054.00 lakh**. This fund is proposed to be tied up with Infrastructure gap filling fund	Municipal Administration	**Dec-2019** **Oct-2019**	• Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.

		2019-20 and is expected to be completed by **October 2019**.			
		❖ **Palipalayam Municipality** • No. of sewage outfall identified: 8 Locations • Population: 44120 • Qty of Sewage generated: 2.95 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present mode of Disposal: The blackwater is collected in septic tanks by individual households. • **Plan of Action:** • It is proposed to **cluster with Erode STP** and **co-treated.** • To handle the **sullage water** discharged through **7 nos. of major channel** which confluence with the river stretch, it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs.413.00lakh.** The fund is proposed to be tied up with **Infrastructure gap filling fund 2019-20** and is expected to be completed by **October 2019.**	Municipal Administration	**Oct-2019**	• Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal Plan	❖ **Namakkal District** • **Komarapalayam Municipality** • No. of MSW dumping points identified: Nil • Population: 76120 • Qty of MSW Generated: Wet waste: 14 TPD Dry waste: 8 TPD Total: 22 TPD MSW Collection – 100%	Municipal Administration		

		MSW Segregation – 100% Present Treatment Method: Wet waste: 14 TPD 1. Micro Composting Plant – 2 Nos. of 6 TPD (Completed and put to use) 2. On – Site Composting – 3 locations – 0.5 TPD (Completed and put to use) 3. Barrel Composting– 1800 nos. of 9 TPD – Functioning Dry waste: 8 TPD • Saleable waste of 4.50 TPD sold out to the identified vendors & registers are being maintained. • The Non saleable, Non Biodegradable waste of 3.5 TPD is stored in the RRC at C.N Palayam Weekly Market and periodically disposed to Ponni Sugar mills • Inert & Silt -0.50TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action: Nil** MSW Treatment Facility provided.		-	Completed
		❖ **Palipalayam Municipality** • No. of MSW dumping points identified: 1 location • Population: 44120 • Households: 12471 • Qty of MSW Generated: Wet waste: 7 TPD Dry waste: 5 TPD Total: 12 TPD MSW Collection – 100% MSW Segregation – 100% Present Treatment Method: Wet waste: 7 TPD • Bio Methanation– 1 no. of 5TPD (Completed and functioning)- Gas used for street lighting Dry waste: 5 TPD	Municipal Administration		

		• Saleable waste of 3TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 1.40 TPD is stored in the RRC at Avathipalayam • Inert & Silt -0.60TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** **Wet Waste:** • Micro Composting Plant – 1 Nos. of 2 TPD (Will be completed before June 2019-SBM funds).		**June-2019**	Completed

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Karur District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1	Sewage Treatment and Disposal plan	**Karur District:** ❖ **Kulithalai Municipality** • No. of sewage outfall identified: Nil • Population: 29580 • Qty of Sewage generated: 2.06 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: • The black water is collected in septic tanks by individual households. **Plan of Action:** ➢ In order to treat the black water, construction of **20KLD Fecal Sludge Treatment Plant** work is taken up and is in progress at an estimated cost of Rs.2.85Crore and it will be completed before**31.12.2019** under **IUDM 2018-19**fund. ➢ To handle the **sullage water**discharged through **3 no. of major channels** which confluencewith the river stretch, it is proposed to provide **in-situ treatment** methodology by providing Screen, Grit followed by Horizontal planted gravel filter which will treat the sullage and discharge the treated water into the water course. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs.13.00 lakh**. This fund is	Municipal Administration	**Dec-2019** **Oct-2019**	• Construction of 20KLD Fecal Sludge Treatment Plant work is under progress and 69% of work was completed. ➢ July 2020- 75% ➢ September 2020 - 100% • In the meantime, Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.

		proposed to be tied up with **Capital Grant fund 2019-20**and is expected to be completed by **October 2019.**			
2	Solid Waste Management and Disposal Plan	**Karur District:** ❖ **Kulithalai Municipality** • No. of MSW dumping points identified: Nil • Population: 29580 • Total Households: 8412 • Qty of MSW Generated: Wet waste: 4 TPD Dry waste: 3 TPD Total: 7 TPD MSW Collection – 100% MSW Segregation – 100% Present Treatment Method: **Wet waste: 4TPD** • Vermi composting – 1 nos. of 4TPD (Completed and functioning) • On – Site Composting – 5 nos. of 1.0 TPD (Completed and functioning) **Dry waste: 3 TPD** • Saleable waste of 1.5TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 1 TPD is stored in the RRC at Thanneerpalli • Inert & Silt -0.5TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** • **Wet Waste:** Micro Composting Plant – 2 Nos. of 4 TPD (Will be completed before April 2019-SBM Funds).	Municipal Administration	**Apr-2019**	Completed

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Trichy District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Trichy District:** ❖ **Trichy Corporation** • No. of sewage outfall identified: Nil • Population: 1054859 • Qty of Sewage generated: 105.24 MLD • Status of UGSS: Under Ground Sewerage scheme work is completed fully in 24 wards and partially in 25 wards. • Status of STP: **STP** capacity of **58MLD** and treated sewage water let out as per GOI norms. • Present mode of Disposal: Treated through Sewage Treatment Plant. • **Plan of Action:** • To cover the remaining **41 wards** (16 wards fully &25 wards partially) under **AMRUT** scheme**Under Ground Sewerage scheme work**in **2 phases** were taken up for implementation. Of which one phase will have a **37MLD capacity STP**and it is expected to be completed by June 2021 and **Phase-II** will be completed by **June 2022.**	Municipal Administration	**Phase-I June-2021** **Phase-II June-2022**	**Under Ground Sewerage scheme** **Phase-II:** 34% of work completed. **Phase-III:** Work Commenced.

2.	Solid Waste Management and Disposal Plan	❖ **Trichy Corporation** • No. of MSW dumping points identified: Nil • Population: 1054859 • Total households: 235576 • Qty of MSW Generated: Wet waste: 222 TPD Dry waste: 168 TPD Total: 390 TPD MSW Collection – 100% MSW Segregation – 92% Present Treatment Method: **Wet waste: - 222 TPD** • Bio Methanation Plant – 2Nos. Of 7 TPD - Functioning Gas used in Community kitchen & Crematorium • On – Site Composting – 28 Nos of 10 TPD (Completed and put to use) • Windrow Composting – 50 TPD - Functioning **Dry waste: - 168 TPD** • Other saleable waste (Plastic, Rubber, Metal etc.,) of 101 Tonne sold out to the identified vendors & registers are being maintained. • The Non saleable, Non Biodegradable waste of 50 TPD is stored in the RRC at all MCCs in 31Locations & Periodically disposed to Ultra Tech Ariyalur. • Inert and Silt 17 TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** **Wet-waste:** • Micro Composting Plant – 34 Nos. of 168TPD (29 MCCs put to use and 5 MCCs will be	Municipal Administration	**100% will be achieved before 30.06.19** **April-2019**	Segregation 92% achieved. 100% Target will be achieved before September 2020 All the 34 MCCs are completed and put it use

		completed before April 2019-SBM funds) **Dry waste:** • Bio mining of Ariyamangalam Dump yard –SMART City funds-will be completed in June 2021.		**June-2021**	Biomining Work is under progress.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Thanjavur District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Thanjavur District:** ❖ **Kumbakonam Municipality** • No. of sewage outfall identified: Nil • Population: 142143 • Total households: 36105 • Qty of Sewage generated: 12.80 MLD • Status of UGSS: • Under Ground Sewerage scheme work is completed in 45 wards with 1 no. of 17.00 MLD capacity STP and the treated sewage water is let out as per GOI norms. • Status of STP: Provided • Present mode of Disposal: Treated through STP with capacity 17.0 MLD • **Plan of Action:** • To cover the left out portions of all 45 wards, under AMRUT scheme Under Ground Sewerage scheme work is in progress with rehabilitation of STP is also under progress and it will be completed before June 2020.	Municipal Administration	**June-2020**	89% of work completed and the remaining work will be completed before October 2020.

2.	Solid Waste Management and Disposal Plan	❖ **Kumbakonam Municipality** • No. of MSW dumping points identified: Nil • Population: 142143 • Total households: 36105 • Qty of MSW Generated: Wet waste: 41 TPD Dry waste: 29 TPD Total: 70 TPD MSW Collection – 95% MSW Segregation – 80% **Present Treatment Method:** **Wet waste:** Bio Methanation Plant -1No of 5TPD - Functioning **Dry waste:** • Saleable waste of 17TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 9 TPD is stored in the RRC at Karikulam and periodically disposed to M/s Ultra tech Cement • Inert & Silt-3TPD Stored along with C&D waste. Used for Filling Low Lying Areas • **Biomining** – Completed - Total garbage removed 2,00,000 Cum and Land reclaimed 12 Acres at Karikulam **Proposed Plan of Action:** **Wet Waste of 41 TPD** are processed as below: • Micro Composting Plant – 5 Nos. of 20 TPD (Will be completed before April 2019-SBM Funds). • On – Site Composting – 41 nos. of 17 TPD (Will be completed before April 2019).	Municipal Administration	**100% will be achieved before 30.06.19** **Apr-2019**	Collection 100% achieved &Segregation 85% achieved,100% target will be achieved before September 2020 Completed

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Nagappattinam District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Nagappatinam District:** ❖ **Mayiladuthurai Municipality** • No. of sewage outfall identified: Nil • Population: 90112 • Total Households: 21867 • Qty of Sewage generated: 5.58 MLD • Status of UGSS: Under Ground Sewerage scheme work is completed fully in 22 wards and partially in 7 wardswith 1 no. of 5.80 MLD capacity STPand treated sewage water let out as per GOI norms. • Status of STP: 5.80 MLD capacity STP provided. • **Present mode of Sewage Disposal:** Treated through STP. • **Plan of Action:** ➢ To cover the **remaining 14 wards** (7 wards fully & 7 wards partially)the process of preparing Detailed project report is under progress. ➢ Once the DPR is ready by September 2019, after the fund tie-up under appropriate schemes, implementation will commence and expected to be **completed by May 2022.**	Municipal Administration	**May-2022**	• Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal	**Nagappatinam District:** ❖ **Mayiladuthurai Municipality** • No. of MSW dumping points	Municipal Administration		

	Plan	identified: 2 locations • Population: 90112 • Households: 21867 • Qty of MSW Generated: Wet waste: 18 TPD Dry waste: 14 TPD Total: 32 TPD MSW Collection – 100% MSW Segregation – 60% Present Treatment Method: Wet waste: 18 TPD - Nil Dry waste: 14 TPD • Saleable waste of 7TPD sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 4.0 TPD is stored in the RRC at Ananthadhandavapuram Road & periodically disposed to Ultra tech Cement • Inert & Silt-3 TPD Stored along with C&D waste. Used for Filling Low Lying Areas **Proposed Plan of Action:** **Wet Waste: 18 TPD** • Micro Composting Plant – 3 Nos. of 15 TPD (Will be completed before April 2019-SBM Funds) • On – Site Composting – 8 nos. of 4.5 TPD (Will be completed before April 2019-ULB General funds).		**100% will be achieved before 30.06.19** **Apr-2019** **Apr-2019**	Segregation 60% achieved,100% target will be achieved before Oct 2020 Completed

Action Taken Report for Rejuvenation of River Bhavani

Sirumugai to Kalingarayan Stretch (Priority-IV)

5. River Bhavani – Sirumugai to Kalingarayan Stretch-(60Kms) - Priority-IV

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Bhavani:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Bhavani	Organization/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Coimbatore District** ❖ **Mettupalayam Municipality** • No. of sewage outfall identified: 3Locations • Population: 80217 • Qty of Sewage generated: 7.08 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: Let-out into River through drains. **Plan of Action:** • UGDSS work is under implementation at an estimated cost of Rs.91.70crore with a STP capacity of 8.65MLD after completion of scheme only the treated sewage will be discharged. • 17000 number of house service connections will be effected parallel during the project itself • After the completion of this scheme work, Outfalls in the River Bhavani will be stopped permanently and only treated water will be discharged.	Municipal Administration	**June 2020**	**Under Ground Sewage Scheme:** ➢ Package 1 – 48% ➢ Package 2 – 62% ➢ STP -- 58% completed ➢ 100% will be completed on March 2021.
		Erode District: ❖ **Erode Corporation** • No. of sewage outfall identified: 1 location • Population: 547933 • Qty of Sewage generated: 44.59 MLD • Status of UGSS: Not Provided	Municipal Administration		• Out of 5 Packages, 3 Packages of Collection system and 1 Package of STP

		• Status of STP: Not Provided • Present Mode of Disposal: • Let-out into river through drains. • The black water is collected in septic tanks by individual households. **Plan of Action:** • Under Ground Sewerage scheme work was taken up and is under implementation at an estimated cost of Rs.209.22 crore with a STP capacity of 50.55 MLD. • As on date, out of 72500 connections, 7274 number of house service connections was effected and the remaining connections will be effected before December 2019. • After the completion of this scheme work, Outfalls in the River Bhavani will be stopped permanently.		**Dec-2019** **Dec-2019**	completed. • Under Package-II, out of 105.04km length of collection system, 73.55km length completed and due to poor performance the contract was terminated. • For the balance work in Package-II, tender received and the work will be completed on 30.12.2020 • As on date, 14190 no. of Internal Plumbing HSCs effected & the remaining HSCs will be completed with the following schedule. June 2020 – 20000 October 2020 – 30000 December 2020 – 40000
		Erode District • **Gopichettipalayam Municipality** • No. of sewage outfall identified: Nil • Population: 63633 • Qty of Sewage generated: 4.90 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:** • Let-out into River through drains • The black water is collected in septic tanks by individual households • Sullage water generated from the town is discharged to Keeripalamodai which belongs to PWD. • **Plan of Action:** • Proposed to establish 20KLD FSTP at an estimated cost of	Municipal Administration		• Honourable Chief Minister of Tamil Nadu has made announcement for massive

		Rs.2.50crore with the financial assistance of ensuing 2019-20 IUDM funding. Expected to be completed by December 2019. • Sullage water generated from the town is discharged to Keeripalam odai. PWD has proposed to rejuvenate the odai at an estimated cost of Rs.55.20crore and to construct a STP of 5MLD capacity along the Thadapalli canal at an estimated cost of Rs.12.41 crore with the financial assistance from NABARD and the work is expected to complete by December 2020. • After implementation treated water will be discharged.		**Dec-2019** **Dec-2020**	rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.
		Erode District ❖ **Sathyamanagalam Municipality** • No. of sewage outfall identified: 5 Locations • Population: 38194 • Qty of Sewage generated: 2.90 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:** • Let-out into River through drains • The black water is collected in septic tanks by individual households **Plan of Action:** • Under Ground Sewerage scheme work was taken up and is under implementation at an estimated cost of Rs.54.26 crore with 2 no. of STPs of 5.38MLD capacity and it will be completed by Dec-2019 and after completion of scheme work the sewage will be discharged into STP.	Municipal Administration	**Dec-2019**	• Honourable Chief Minister of Tamil Nadu has made announcement for massive rejuvenation programme for Cauvery and its tributaries on 20.07.2019. • Accordingly the DPR is under preparation by PWD in Nadanthai Vaazhi Cauvery Scheme.

		• 7200 number of house service connections will be effected parallel during the project itself and it will be completed on December 2019. • After the completion of this scheme work, Outfalls in the River Bhavani will be stopped permanently.		**Dec-2019**	**Under Ground Sewage Scheme:** ➢ 90% Completed. ➢ 100% will be completed on August 2020.
2.	Solid Waste Management and Disposal Plan	**Coimbatore District** ❖ **Mettupalayam Municipality** • No. of MSW dumping points identified: Nil • Population:80217 • Qty of MSW Generated: Wet waste: 12 TPD Dry waste: 12 TPD Total: 24 TPD MSW Collection – 95% MSW Segregation – 70% Present Treatment Method: **Wet waste:** Bio-methanation -1 No.-3TPD On-site Composting- 3 locations - 1.0 TPD. **Dry waste:** • Saleable waste –7.0 TPD • The Non-Biodegradable waste – 4.0 TPD - stored in the RRC at Old Municipal office and periodically disposed to M/s ACC, Cements. • Inert &Silt - 1.0 TPD stored with C&D waste and used for land filling. **Present mode of disposal :** Collection, segregation, Composting & Bio-methanation **Proposed Plan of Action:** • Wet Waste of 12 TPD are proposed as below: • Micro Composting Plant – 2 Nos. of 8 TPD (SBM Funds).	Municipal Administration	**100% Collection & Segregation will be achieved before 30.06.2019.** **May 2019**	100% collection achieved. Segregation 87% achieved, 100% target will be achieved before September 2020. Completed
		Erode District			

		❖ **Erode Corporation** • No. of MSW dumping points identified: 1 location • Population:547933 • Qty of MSW Generated: Wet waste: 85 TPD Dry waste: 85 TPD Total: 170 TPD MSW Collection – 87% MSW Segregation – 49% Present Treatment Method: **Wet-waste:** On – Site Composting – 25 locations – 5 TPD Bio-methanation – 1No – 10 TPD. **Dry Waste:** Saleable waste –35 TPD The Non-Biodegradable waste – 20 TPD - stored in the earmarked location at Vendipalayam. Inert &Silt – 20 TPD stored with C&D waste and used for land filling. • The Non-Biodegradable waste – 20 TPD - stored in the earmarked location at Vendipalayam. • Inert &Silt - 20 TPD stored with C&D waste and used for land filling. **Present mode of disposal :** Collection, segregation, onsite Composting & Bio Methanation– 1 nos. of 10 TPD (functioning) Incinerator 5 TPD- 1 No. **Proposed Plan of Action:** **Wet Waste:** ✓ Micro Composting Plant – 19 Nos. of 50 TPD (Will be completed before August 2019 and 5 Nos. of 20 TPD will be completed by Oct 2019.) **Dry Waste:** ✓ Proposed to supply 30 TPD of	Municipal Administration	**100% Collection & Segregation will be achieved before 30.06.2019.** **Oct-2019** March-2020	Collection 95% achieved & 90% segregation achieved. 100% Target will be achieved before September 2020. Completed Completed and put in use

		dry waste to Incinerator for Combustible. ✓ Bio-mining of Vairapalayam Dump yard on the banks of River Cauvery-work will be commenced in May 2019 & completed in March 2020-Funding under SMART CITY.			Completed
		Erode District ❖ **Gopichettipalayam (Municipality)** • No. of MSW dumping points identified: Nil • Population: 63633 • Qty of MSW Generated: Wet waste: 11 TPD Dry waste: 09 TPD Total: 20 TPD MSW Collection –100% MSW Segregation – 83% Present Treatment Method: **Wet-waste:** Bio-methanation-1No. – 1TPD – gas used for internal lighting. On – Site Composting – 7 locations – 1 TPD. Windrow Composting – 2 TPD **Dry Waste:** ✓ Saleable waste –5.0 TPD ✓ The Non-Biodegradable waste – 3.0 TPD - stored in the RRC. ✓ Inert &Silt - 1.0 TPD stored with C&D waste for land filling. **Present mode of disposal :** Collection, segregation, onsite Composting &Bio Methanation. **Proposed Plan of Action:** **Wet Waste:** ✓ Micro Composting Plant – 2 Nos. of 7 TPD (SBM funds)	Municipal Administration	**100% Collection & Segregation will be achieved before 30.06.2019.** **May 2019**	Segregation 96% achieved,100% will be achieved before September 2020 Incineration plant is proposed to process the Dry Waste Time Line : March 2021 Completed
		Erode District ❖ **Sathyamangalam (Municipality)**			

		• No. of MSW dumping points identified: Nil • Population:38194 • Qty of MSW Generated: Wet waste: 7 TPD Dry waste: 5 TPD Total: 12 TPD MSW Collection –92% MSW Segregation – 86% Present Treatment Method: **Wet-Waste:** On – Site Composting – 1 location – 0.5 TPD Windrow Composting – 1 TPD (Functioning) **Dry Waste:** Saleable waste –3.0 TPD The Non-Biodegradable waste – 1.50 TPD - stored in the RRC at the compost yard (Athaani road) and periodically disposed to M/s Ultratech cements, Ariyalur. Inert &Silt – 0.5 TPD stored with C&D waste and used for land filling. **Present mode of disposal :** Collection, segregation, onsite Composting &Windrow composting **Proposed Plan of Action:** **Wet Waste:** ✓ Micro Composting Plant – 2 Nos. of 6 TPD (SBM funds).		**100% Collection & Segregation will be achieved before 30.06.2019.** **May 2019**	100% target achieved. Completed

Action Taken Report for Rejuvenation of River Thamirabarani

Pappankulam to Arumuganeri Stretch (Priority-V)

6. River Thamirabarani – Pappankulam to Arumuganeri Stretch - (80Kms) - Priority-V

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Thamirabarani:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Thamirabarani	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1	Sewage Treatment and Disposal plan.	❖ **Tirunelveli District** **Tirunelveli Corporation:** • No. of sewage outfall identified: 6 Nos. • Population: 513284 • Total No. of Households: 159628 • Qty of Sewage generated: 56.46 MLD • Status of UGSS: **Under Ground Sewerage scheme work** is completed and functional **in 10 wards (fully)** and **12 wards (partially)** with an **STP** capacity of **24.20MLD** and treated sewage water let out as per GOI norms. • Status of STP: 24.20 MLD STP Provided. • Present mode of Disposal: Treated through Sewage Treatment Plant for 10 wards only. • **Plan of Action:** • To cover the remaining **wards** (33 wards fully & 12 wards partially) **Under Ground Sewerage scheme work** in **2 phases** were taken up for implementation at an estimated cost of Rs.729.20crore with financial assistance of AMRUT &ADB. Of which phase-II sewage generated will be treated in Phase-I STP and Phase-III will have a **34.00MLD capacity STP.**	Municipal Administration	**Dec-2021**	**Under Ground Sewage Scheme:** **Phase-II** ➢ 45% Completed. ➢ 100% will be completed on December 2021. **Phase-III** ➢ 17% Completed. ➢ 100% will be completed on December 2021.

		The scheme is expected to be completed by **December 2021**.			
		❖ **Ambasamudram Municipality** • No. of sewage outfall identified: 1-Sewage into Irrigation Channel out-fall (ICO) • Population: 38850 • Total No. of Households: 15176 • Qty of Sewage generated: 2.98 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** The blackwater is collected in septic tanks by individual households. • **Plan of Action:** • In order to treat the black water, construction of **30KLD Faecal Sludge Treatment Plant** work is taken up and is in progress at an estimated cost of Rs.3.15Crore and it will be completed before **31.12.2019** under **IUDM 2018-19** funds. • To handle the **sullage water** discharged through 7 nos. of major channel which confluence with the river stretch. It is proposed to provide in-situ treatment methodology by providing Screen, Grit followed by Horizontal planted gravel filter. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs.77.00 lakh**. This fund is proposed to be tied up with **Infrastructure gap filling fund 2019-20** and is expected to be completed by **October 2019.**	Municipal Administration	**Dec-2019** **Oct-2019**	**<u>Fecal Sludge Treatment Plant completion plan</u>** • July 2020 - 60% • October 2020 - 80% • December 2020 - 100% • Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the sameline Honourable minister for Municipal Administration & Water Supply department, Rural Development & Panchayat Raj Department and Special Initiatives has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has appointed as consultant for preparation of DPR. • The DPR will be expected to be ready by 30.08.2020 and the implementation will commence from October 2020 and probable completion is expected by December 2021.

		❖ **Vickramasingampuram Municipality** • No. of sewage outfall identified: 2 - Sewage into Irrigation Channel out-fall (ICO) • Population: 47163 • Total No. of Households: 19370 • Qty of Sewage generated: 2.98 MLD • Status of UGSS: Not provided • Status of STP: Not provided • **Present mode of Disposal:** The **blackwater** is collected in septic tanks by individual households. • **Plan of Action:** • In order to treat the black water, construction of **30KLD Faecal Sludge Treatment Plant** work is taken up and is in progress at an estimated cost of Rs.3.00Crore and it will be completed before **31.12.2019** under **IUDM 2018-19** fund. • To handle the **sullage water** discharged through **12** nos. of major channel which confluence with the river stretch. It is proposed to provide in-situ treatment methodology by providing Screen, Grit followed by Horizontal planted gravel filter. • The ULB has prepared detailed estimate for establishing liquid waste treatment facility at a cost of **Rs.1.20crore**. This fund is proposed to be tied up with **Infrastructure gap filling fund 2019-20** and is expected to be completed by **October 2019.**	Municipal Administration	**Dec-2019** **Oct-2019**	**<u>Fecal Sludge Treatment Plant completion plan</u>** • July 2020 - 80% • October 2020 - 90% • December 2020 – 100% • Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the sameline Honourable minister for Municipal Administration & Water Supply department, Rural Development & Panchayat Raj Department and Special Initiatives has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has appointed as consultant for preparation of DPR. • The DPR will be expected to be ready by 30.08.2020 and the implementation will commence from October 2020 and probable completion is expected by December 2021.
2	Solid Waste Management	❖ **Tirunelveli District** ❖ **Tirunelveli Corporation:**	Municipal Administration		

	and Disposal Plan	• No. of MSW dumping points identified: Nil • Population: 513284 • Total households: 159628 • Qty of MSW Generated: Wet waste: 97 TPD Dry waste: 73 TPD Total: 170 TPD MSW Collection – 95% MSW Segregation – 80% Present Treatment Method: **Wet waste: - 97 TPD** • Micro Composting Plant – 41 Nos. of 97 TPD (Completed and put in use) • On – Site Composting – 4 locations – 7.5 TPD (Completed and put in use) • Bio-Methanation Plant -1No of 5TPD – Functioning **Dry waste: - 73 TPD** • Other saleable waste (Plastic, Rubber, Metal etc.,) of 43 Tonne sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 21 TPD is stored in the RRC at all MCCs in 41 Locations & Periodically disposed to India cements, Tirunelveli. • Inert & Silt – 9 TPD Stored along with C&D waste. Used in Filling Low Lying Areas **Proposed Plan of Action:** Nil		**100% will be achieved before 31.05.19**	Collection 97% achieved &Segregation 80% achieved. 100% Target will be achieved before September 2020 Incineration plant is proposed on cluster basis to process the Dry waste Time Line :March 2021
		❖ **Ambasamudram Municipality** • No. of MSW dumping points identified: Nil • Population: 38850 • Total households: 15176	Municipal Administration		

		• Qty of MSW Generated: Wet waste: 9 TPD Dry waste: 6 TPD Total: 15 TPD MSW Collection – 100% MSW Segregation – 80% Present Treatment Method: **Wet waste: - 9 TPD** • On – Site Composting – 5 locations – 1 TPD (Completed and put in use) **Dry waste: - 6 TPD** • Other saleable waste (Plastic, Rubber, Metal etc.,) of 3.6 Tonne sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 1.8 TPD is stored in the RRC at Vagaikulam & Periodically disposed to Ultra tech cement, Ariyalur • Inert & Silt – 0.6 TPD Stored along with C&D waste. Used in Filling Low Lying Areas. **Proposed Plan of Action:** **Wet-waste:** • Micro Composting Plant – 3 Nos. of 9 TPD (Will be completed before April 2019) **Dry waste:** Nil		**100% will be achieved before31 .05.19** **April-2019**	Segregation 95% achieved,100% target will be achieved before September 2020. Completed and put in use
		❖ **Vickramasingampuram Municipality** • No. of MSW dumping points identified: Nil • Population: 47163 • Total households: 19370 • Qty of MSW Generated: Wet waste: 12.60 TPD Dry waste: 8.40 TPD Total: 21 TPD	Municipal Administration	**100% will be achieved before 31.05.19**	Segregation 95% achieved, 100% Target will be achieved

		MSW Collection – 100% MSW Segregation – 80% Present Treatment Method: **Wet waste: - 12.60 TPD** • Windrow Composting Plant – 1No. Of 3 TPD (Completed and put in use). **Dry waste: - 8.40 TPD** • Other saleable waste (Plastic, Rubber, Metal etc.,) of 5 Tonne sold out to the identified vendors & registers are being maintained. • The Non saleable Non Biodegradable waste of 2.5 TPD is stored in the RRC at Dhobi Colony & Periodically disposed to India cements, Tirunelveli. • Inert & Silt – 0.9 TPD Stored along with C&D waste. Used in Filling Low Lying Areas. **Proposed Plan of Action:** **Wet-waste:** • Micro Composting Plant – 4 Nos. of 13 TPD (Will be completed before April 2019) **Dry waste:** Nil		**April-2019**	before September 2020. Completed

Annexure-II

MONTHLY PROGRESS REPORT FOR THE POLLUTED RIVER STRETCHES IN TAMIL NADU

(JULY -2020)

BY

Directorate of Town Panchayat

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Action Taken Report for Rejuvenation of River Sarabanga Thathayampatti to T.Konagapadi Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER SARABANGA

1. River Sarabanga – Thathayampatti to T.Konagapadi Stretch-(15Kms)-Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Sarabanga:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Sarabanga	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Salem District** ❖ **Omalur Town Panchayat** • No. of sewage outfall identified: 11 locations • Population: 16279 • Qty of Sewage generated: 1.16 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Mode of Disposal of Sewage: • Sullage water Let out in to Sarabanga river. • **Plan of Action:** Detailed project report have been prepared at an estimated cost of Rs. 300.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology / Eco Ozotex under IUDM 2019-2020 fund.	Directorate of Town Panchayat	**Mar-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal Plan	**Salem District** ❖ **Omalur Town Panchayat** • No. of MSW dumping points identified: 1 • Population: 16279 • Qty of MSW Generated: 5.84 TPD Source Collection & Segregation – Yes Treatment method: Windrow &Vermi composting **Present Mode of MSW Disposal:** **Wet Waste of 3.212 TPD**are processed by Windrow Compost method.	Directorate of Town Panchayat	**Dec-2020**	Total waste generated:7.06 TPD, Solid waste treatment- 6.62 TPD Gap in Treatment:0.44 TPD Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed

		Dry Waste – 2.628 TPD • Recycable waste (plastic, metal, rubber etc., 0.300 TPD sold out to the identified vendors. • The Non Recycable waste of 1.828 TPD periodically disposed. • Inerts& Silt 0.500 TPD Used in Filling Low Lying Areas. **Plan of Action:** ❖ Work under progress at an estimate cost of Rs.110 lakhs for Providing protection wall, compound wall, windrow platform with shed and Bio-Mining for disposal of Historical waste under SBM fund.			through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Action Taken Report for Rejuvenation of River Vasista Manivilundhan to Thiyaganur Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER VASISTA

2. River Vasista – Manivilundhan to Thiyaganur Stretch-(10Kms) – Priority-I.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Vasistanadhi:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Vasistanadhi	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Pethanaickenpalayam Town Panchayat** • No. of sewage outfall identified: 1 Location • Population: 17678 • Qty of Sewage generated: 0.520 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: • The black water is collected in septic tanks by individual households. • 0.660 MLD of Sullage water discharged into irrigation channel in 2 locations. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 120.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM 2019-2020 fund. • Total number of household 4872. In which 3900 numbers having individual toilets. In addition to that 456 numbers of household covered under HFA Scheme. Balance 516 numbers of household using community toilets. Septic tank waste collected through private lorries to STP. STP maintained by Salem Corporation (Distance-35KM).	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.

		❖ **Yethapur Town Panchayat** • No. of sewage outfall identified: 1 Location • Population: 10968 • Qty of Sewage generated: 0.33 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: • The black water is collected in septic tanks by individual households. • 0.330 MLD of Sullage water discharged into irrigation channel in 8 locations. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 100.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM fund. • Total number of household 2729. In which 506 numbers having individual toilets. In addition to that 158 numbers of household covered under HFA Scheme. Balance 998 numbers of household 2065 using community toilets. Septic tank waste collected through private lorries to STP. STP maintained by Salem Corporation (Distance-30KM).	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Belur Town Panchayat** • No. of sewage outfall identified: 1 Location • Population: 1617 • Qty of Sewage generated: 0.26 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: • The black water is collected in septic tanks by individual households.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line HonourableMinister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has

		• 0.260 MLD of Sullage water discharged into irrigation channel in 5 locations. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 100.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM fund. • Total number of household 2404. In which 1273 numbers having individual toilets. In addition to that 133 numbers of household covered under HFA Scheme. Balance 998 numbers of household using community toilets. Septic tank waste collected.			made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021. .
2.	Solid Waste Management and Disposal Plan	❖ **Pethanaickenpalayam Town Panchayat** • No. of MSW dumping points identified: 1 • Population: 17678 • Qty of MSW Generated: 2.83 TPD Source Collection & Segregation – Yes Treatment method: Windrow composting **Present Mode of MSW Disposal:** o Wet Waste of 1.330 TPD are processed by Windrow Composting method. o Dry Waste – 0.916 TPD o Recycable waste (plastic, metal, rubber etc., 0.150 TPD sold out to the identified vendors. o The Non Recycable waste of 1.330 TPD periodically disposed. o Inerts& Silt -0.580 TPD Used in Filling Low Lying Areas. **Plan of Action:** • Work under progress at an estimate	Directorate of Town Panchayat	**Dec-2020**	Total waste generated:3.41 TPD,Solid waste treatment-3.20 TPD& Gap in Treatment:0.21 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		cost of Rs.60 Lakh for Providing Protection Compound Wall and additional Windrow Platform with Shed under SBM fund.			
		❖ **Yethapur Town Panchayat** • No. of MSW dumping points identified: 1 • Population: 11626 • Qty of MSW Generated: 2.90 TPD Source Collection & Segregation – Yes Treatment method: Windrow &Vermi composting **Present mode of MSW Disposal:** • Wet Waste of 1.670 TPD are processed by Windrow Compost method. • Dry Waste – 1.010 TPD • Recycable waste (plastic, metal, rubber etc., 0.24 TPD sold out to the identified vendors. • Inerts& Silt -0.420 TPD Used in Filling Low Lying Areas. **Plan of Action:** • Work under progress at an estimate cost of Rs.100 Lakh for Providing Protection Wall, Compound Wall, additional Windrow Platform with Shed, and Bio Mininig for disposal of Historical waste under SBM fund.	Directorate of Town Panchayat	**Dec-2020**	Total waste generated:3.51 TPD,Solid waste treatment-3.29 TPD& Gap in Treatment:0.22 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste. It is proposed to install Incinerators on cluster basis to dispose the non – recyclable dry waste.

		❖ **Belur Town Panchayat** • No. of MSW dumping points identified: 1 • Population: 9260 • Qty of MSW Generated: 1.75 TPD Source Collection & Segregation – Yes Treatment method: Windrow composting **Present mode of MSW Disposal:** • Wet Waste of 1.75 TPD are processed by Windrow Compost method. • Dry Waste – 0.300 TPD o Recycable waste (plastic, metal, rubber etc., 0.075 TPD sold out to the identified vendors. o The Non Recycable waste of 0.225 TPD periodically disposed. o Inerts& Silt 0.410 TPD Used in Filling Low Lying Areas. **Plan of Action: Nil** MSW treatment facility provided. • Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.	Directorate of Town Panchayat		Total waste generated:2.12 TPD, Solid waste treatment-1.98 TPD& Gap in Treatment: 0.14 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Action Taken Report for Rejuvenation of River Thirumanimutharu

Salem to Papparapatti Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER THIRUMANIMUTHARU

3. River Thirumanimutharu–Salem to Papparapatti Stretch-(15Kms) – Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Thirumanimutharu:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Thirumanimutharu	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
Town Panchayat - Nil					

Action Taken Report for Rejuvenation of River Cauvery

Mettur to Mayiladuthurai Stretch (Priority-I)

ACTION TAKEN REPORT FOR THE RIVER CAUVERY

4. River Cauvery – Mettur to Mayiladuthurai Stretch–(200Kms) – Priority-I

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Salem District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Poollampatty Town Panchayat** • No. of sewage outfall identified: 5 locations • Population: 10047 • Qty of Sewage generated: 0.162 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Sewage Disposal: • Sullage water let out in to private Agriculture land. • **Plan of Action:** Detailed project report have been prepared at an estimated cost of Rs 50.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology by IUDM 2019-2020 fund.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.

2.	Solid Waste Management and Disposal Plan	❖ **Poollampatty Town Panchayat** • No. of MSW dumping points identified: Nil • Population:10047 • Qty of MSW Generated: 1.52 TPD • Source Collection & Segregation – Yes • Treatment method: • De-centralised Windrow composting method. **Present mode of disposal :** • Out of 15 wards, 6 wards are rural in nature. Many of the households are doing home composting • Wet Waste of 1.10 TPD are processed by Windrow Composting (De-Centralised) • Dry Waste – 0.40 TPD • Recyclable waste (plastic, metal, rubber etc., 0.300 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.10 TPD periodically disposed. • Inerts& Silt 0.02 TPD used in Filling Low Lying Areas. **Proposed Plan of Action: Nil** Solid waste facility provided. Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.	Directorate of Town Panchayat		Total waste generated: 1.84 TPD, Solid waste treatment-1.74 TPD& Gap in Treatment:0.12 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Namakkal District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Mohanur Town Panchayat** • No. of sewage outfall identified: Nil • Population: 15174 • Qty of Sewage generated: 0.550 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water let out into Raja Vaikal. • **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 160.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM 2019-2020 fund. • In Mohanur Town Panchayat, total households are 4940. Out of this, 4394 toilets are 17 vailable in their own premises. Additionally 76 houses have been covered under HFA scheme with toilets. Rest of the people are using 16 Nos. of Community/Public Toilets.	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
		❖ **Paramathivellur Town Panchayat** • No. of sewage outfall identified: Nil • Population: 25012 • Qty of Sewage generated: 1.196 MLD	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and

		• Status of UGSS: Not Provided • Status of STP: Not Provided • Present mode of Disposal: Sullage water let out into Raja Vaikal. ❖ **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 150.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM 2019-2020 fund. • In Velur Town Panchayat, total households are 7464. Out of this, 6714 toilets are 18vailablein their own premises. Additionally 111 houses have been covered under HFA scheme with toilets. Rest of the people are using 33 Nos of Community/Public Toilets.			its tributaries. • Accordingly the DPR is under preparation by PWD underNadanthaiVaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal Plan	❖ **Mohanur Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 15174 • Qty of MSW Generated:3.05 TPD Source Collection & Segregation – Yes **Treatment method:**Windrow&Vermi composting **Present Mode of MSW Disposal:** • Wet Waste of 1.453 TPD are processed as manure by Windrow &Vermi Compost method and then sold to Farmers. • Dry Waste – 0.697 TPD • Recyclable waste (plastic, metal, rubber etc., 0.240 TPD	Directorate of Town Panchayat	**June-2020**	Total waste generated: 3.17TPD, Solid waste treatment-2.97 TPD& Gap in Treatment: 0.2TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		sold out to the identified vendors. • The Non-Recyclable waste of 0.457 TPD periodically disposed. • Inerts& Silt 0.900 TPD used for filling pre-identified low lying areas. **Plan of Action:** • Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.			
		❖ **Paramathivellur Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 25012 • Qty of MSW Generated: 8.37 TPD Source Collection & Segregation – Yes **Treatment method:**Windrow composting **Present Mode of MSW Disposal:** • Wet Waste of 5.33 TPD are processed as manure by Windrow &Vermi Compost method and then sold to Farmers. • Dry Waste – 1.78 TPD • Recyclable waste (plastic, metal, rubber etc., 0.270 TPD sold out to the identified vendors. The • Non-Recyclable waste of 1.510 TPD periodically disposed. • Inerts& Silt 1.260 TPD used for filling pre-identified low lying areas. **Plan of Action:**	Directorate of Town Panchayat	**Sep-2019**	Total waste generated:8.69TPD, Solid waste treatment-8.26 TPD& Gap in Treatment:0.43 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		• Work order issued for Bio mining and construction of Compound wall at an estimated cost of Rs 47.50 Lakhs by SBM fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.			

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Karur District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	**Karur District:** ❖ **PunjaiPugalur Town Panchayat** • No. of sewage outfall identified: 3 Locations • Population: 25935 • Qty of Sewage generated: 1.6 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:** Sullage water Let out in to Raja Vaikal. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 150.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM for the year 2019-2020. • In PunjaiPugalur Town Panchayat, total Households are	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.

		8655. Out of this, 6480 Toilets are availble in their own premises. Additionally 122 Houses have been covered under HFA scheme with Toilets. Rest of the peopleare using 24 No of Community / Public Toilets.			
2.	Solid Waste Management and Disposal Plan	❖ **PunjaiPugalur Town Panchayat** • No. of MSW dumping points identified: Nil • Population:25935 • Qty of MSW Generated: 7.20 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow composting and Vermi composting **Present mode of disposal :** • Wet Waste of 3.70 TPD areprocessed by Windrow Compost method. • Dry Waste – 2.95 TPD • Recyclable Waste (Plastic, Metal, Rubber etc., 0.55 TPD sold out to the identified vendors. • The Non Recyclable waste of 2.40 TPD periodically disposed. • Inerts& Silt - 0.55 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Work under progress at an estimate cost of Rs.32 Lakh for Construction of Compound Wall and 0.5 Km Approach Road at Existing Resource Recovery Park Under SBM Fund.	Directorate of Town Panchayat	**Sep-2020**	Total waste generated: 6.89 TPD, Solid waste treatment-6.48 TPD& Gap in Treatment:0.41TPD Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Trichy District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Musiri Town Panchayat** • No. of sewage outfall identified: 4 Locations • Population: 28727 • Qty of Sewage generated: 0.80 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:** Sullage Water let out into MettuVaikal. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs 570.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20. • **Musiri**Town Panchayat, total households are 8622. Out of this, 6397 toilets are availble in their own premises. Additionally 212 houses have been covered under HFA scheme with toilets. Rest of the people are using 31 Nos. of Community/Public Toilets.	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
		❖ **Sirugamani Town Panchayat** • No. of sewage outfall identified: 8 locations • Population: 10743 • Qty of Sewage generated: 0.440 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:**	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.

		Sullage Water let out into PuttuAiyanarVaikal, Kalluvaikkal&PeriyaVaikkal. **Plan of Action:** • Detailed project report have been prepared at an estimated cost of Rs. 525.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex / Dry Land process Technology under IUDM for the year 2019-20. • In Sirugamani Town Panchayat, total households are 3212. Out of this, 2706 toilets are available in their own premises. Additionally 191 houses have been covered under HFA scheme with toilets. Rest of the people are using 9 No. of Community / Public Toilets.			
2.	Solid Waste Management and Disposal Plan	❖ **Musiri Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 28727 • Qty of MSW Generated: 10.50 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 6.350 TPD are processed by Windrow Compost method. (Per Day) • **Dry Waste – 4.150 TPD** • Recyclable waste (plastic, metal, rubber etc., 1.700 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.270 TPD periodically disposed to Ariyalur Cement Factory	Directorate of Town Panchayat	**Dec-2020**	Total waste generated: 9.66TPD, Solid waste treatment-9.07 TPD& Gap in Treatment: 0.59 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		• Inerts& Silt -2.180 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work Order Issued at an Estimate Cost of Rs.113.53 Lakhs for Disposal of Historical Waste by Bio-Mining Method Under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.			
		❖ **Sirugamani Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 10743 • Qty of MSW Generated: 2.76 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 1.29 TPD are processed by Windrow Compost method. (Per Day) • **Dry Waste – 1.47TPD** • Recyclable waste (plastic, metal, rubber etc.0.25TPD sold out to the identified vendors. • The Non Recyclable waste of 0.940 TPD periodically disposed. • Inerts& Silt -0.28 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action: Nil** Solid waste facility provided. Collection, segregation, treatment, disposal are under implementation in accordance with Municipal Solid Waste management Rules 2016.	Directorate of Town Panchayat	-	Total waste generated: 2.02 TPD,Solid waste treatment- 1.90 TPD& Gap in Treatment: 0.12 TPD Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery in Thanjavur District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Thirukattupalli Town Panchayat** • No. of sewage outfall identified: 1location • Population: 12972 • Qty of Sewage generated: 0.001 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal of Sewage: • Sullage water let out in to Cauvery river. • Individual households having septic tank/soak pit arrangements. • **Plan of Action: Nil**	Directorate of Town Panchayat		• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
		❖ **Thiruvaiyaru Town Panchayat** • No. of sewage outfall identified: 1location • Population: 16164 • Qty of Sewage generated: 0.001 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal of Sewage: • 1000 Litre of Sullage water is treated by sand filteration method and treated water disposed into Raja nagar B2 PWD Irrigation cannal. • Individual households having septic tank/soak pit arrangements. **Plan of Action: Nil**	Directorate of Town Panchayat		• Honourable Chief Minister of Tamil Nadu has made an announcement for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD underNadanthaiVaazhi Cauvery Scheme.

2.	Solid Waste Management and Disposal Plan	❖ **Thirukattupalli Town Panchayat** • No. of MSW dumping points identified: 1Location • Population: 12972 • Qty of MSW Generated: 5.30 TPD Source Collection & Segregation – Yes Treatment method: Windrow composting **Present Mode of MSW Disposal:** **Wet Waste of 3.40TPD**are processed by Windrow Compost method. **Dry Waste – 1.90 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.15 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.95TPD periodically disposed. • Inerts& Silt -0.80 TPD Used in Filling Low Lying Areas. **Plan of Action:** • Estimate preprared at an estimated cost of Rs 70.00 Lakhs for disposal of Dumped waste under Bio mining method. The fund will be dovetailed under SBM for the year 2019-2020. • Work under progress at an estimat cost of Rs.52.30 Lakh for providing 2/3 roof of Windrow Shed and Compound Wall under SBM Fund.	Directorate of Town Panchayat	**June-2020**	Total waste generated:5.21 TPD, Solid waste treatment-4.89 TPD& Gap in Treatment:0.32 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Thiruvaiyaru Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 16164 • Qty of MSW Generated: 5.30 TPD	Directorate of Town Panchayat	**Sep-2019**	Total waste generated:5.11TPD,Solid waste treatment-4.80 TPD& Gap in Treatment:0.31 TPD

		Source Collection & Segregation – Yes Treatment method: Windrow &Vermi composting **Present Mode of MSW Disposal:** • **Wet Waste of 3.40TPD**are processed by Windrow Compost method. • **Dry Waste – 1.90 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.15 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.95TPD periodically disposed. • Inerts& Silt -0.80 TPD Used in Filling Low Lying Areas. **Plan of Action:** Work under progress at an estimate cost of RS.151 Lakh for Bio Mininig for disposal of Historical waste, Providing 2/3 roof Windrow Shed, Compound Wall and Watch Man Shed Under SBM Fund.			Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Cauvery – Nagappattinam District:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Cauvery	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Kuthalam Town Panchayat** • No. of sewage outfall identified: 6locations • Population: 16125 • Qty of Sewage generated: 0.106 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Sewage Disposal: • Sullage water Let out in to Kuthalam Irrigation Channel • **Plan of Action:** Detailed project report have been prepared at an estimated cost of Rs. 50.00 Lakhs for treatment and disposal of sullage water by Eco Ozodation / Wet land Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.07.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
2.	Solid Waste Management and Disposal Plan	❖ **Kuthalam Town Panchayat** • No. of MSW dumping points identified: 1 location • Population: 16125 • Qty of MSW Generated: 4.0 TPD Source Collection & Segregation – Yes **Treatment method:**Windrow&Vermi composting **Present Mode of MSW Disposal:** • Wet Waste of 2.880 TPD are processed by Windrow Compost method. • **Dry Waste – 1.120 TPD**	Directorate of Town Panchayat	**June-2020**	Total waste generated: 3.77TPD, Solid waste treatment-3.54 TPD& Gap in Treatment:0.23 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on

		• Recyclable waste (plastic, metal, rubber etc., 0.030 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.690 TPD periodically disposed. • Inerts& Silt -0.40 TPD Used in Filling Low Lying Areas. **Plan of Action:** Work under progress at an estimate cost of RS.15.60 Lakh for Providing Compound wall and toilet facilities Under SBM Fund.			cluster basis to dispose the non – recyclable dry waste.

Action Taken Report for Rejuvenation of River Bhavani

Sirumugai to Kalingarayan Stretch (Priority-IV)

ACTION TAKEN REPORT FOR THE RIVER BHAVANI

5. River Bhavani – Sirumugai to Kalingarayan Stretch-(60Kms) - Priority-IV

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Bhavani:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Bhavani	Organization/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Sirumugai Town Panchayat** • No. of sewage outfall identified: 3Locations. • Population: 18323 • Qty of Sewage generated: 0.835 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided • Present Mode of Disposal: • Let-out into river through drains. • Sullage Water let-out into Bhavani River. **Plan of Action:** Detailed project report has been prepared at an estimated cost of Rs 200.00 Lakhs for treatment and disposal of sullage water by Nano Bio Ozolyte Technology under IUDM 2019-2020 fund.	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.7.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD under NadanthaiVaazhi Cauvery Scheme.
		Erode District ❖ **BhavaniSagar Town Panchayat** • No. of sewage outfall identified: 3 locations • Population: 7710 • Qty of Sewage generated: 0.9 MLD • Status of UGSS: Not Provided • Status of STP: Not Provided **Present Mode of Disposal:** Sullage Water let out into Bhavani River. **Plan of Action:**	Directorate of Town Panchayat	**June-2020**	• Honourable Chief Minister of Tamil Nadu has made an announcement on 20.7.2019 for massive rejuvenation programme for Cauvery and its tributaries. • Accordingly the DPR is under preparation by PWD underNadanthaiVaazhi Cauvery Scheme.

		• Detailed project report have been prepared at an estimated cost of Rs 60.00 Lakhs for treatment and disposal of sullage water by Nano Bio Ozolyte Technology under IUDM 2019-2020 fund • In Bhavanisagar Town Panchayat, total households are 2161. Out of this, 1210 toilets are available in their own premises. Additionally 71 houses have been covered under HFA scheme with toilets. Rests of the people are using 23 No of Community/Public Toilets.			
2.	Solid Waste Management and Disposal Plan	**Coimbatore District** ❖ **Sirumugai Town Panchayat** • No. of MSW dumping points identified: Nil • Population:18323 • Qty of MSW Generated: 3.10 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow&Vermi composting • **Present mode of disposal :** o Wet Waste of 1.81 TPD is processed by Windrow Compost method. o **Dry Waste – 1.29 TPD** ➢ Recyclable waste (plastic, metal, rubber etc., 0.50 TPD sold out to the identified vendors. ➢ The Non Recyclable waste of 0.51 TPD periodically disposed. ➢ Inert& Silt -0.28 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Wet Waste of 12 TPD: Micro Composting Plant – 2 Nos. of 8 TPD (SBM Funds).	Directorate of Town Panchayat	**Dec 2020**	Total waste generated: 2.02 TPD, Solid waste treatment- 1.90 TPD& Gap in Treatment: 0.12 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		• Solid waste Collected Door to Door and the waste are processed as manure in decentralized method at three places. Action taken to Procured Land for Resource Recovery Park.			
		Erode District ❖ **Bhavanisagar Town Panchayat** • No. of MSW dumping points identified: Nil • Population:7710 • Qty of MSW Generated: 1.72 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow composting and Vermi composting **Present mode of disposal :** • Wet Waste of 1.00 TPD is processed by Windrow Compost method. • Dry Waste – 0.420 TPD • Recyclable waste (plastic, metal, rubber etc., 0.005 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.415 TPD periodically disposed. • Inert& Silt -0.300 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Work under progress at an estimate cost of Rs.36.00 lakhs for construction of compound wall work.	Directorate of Town Panchayat	**Sep-2020**	Total waste generated: 2.33 TPD,Solid waste treatment-2.19 TPD& Gap in Treatment: 0.14 TPD Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

Action Taken Report for Rejuvenation of River Thamirabarani

Pappankulam to Arumuganeri Stretch (Priority-V)

ACTION TAKEN REPORT FOR THE RIVER THAMIRABARANI

6. River Thamirabarani – Pappankulam to Arumuganeri Stretch - (80Kms) - Priority-V

Proposed Short Term and Long Term Action Plan for Rejuvenation of River Thamirabarani:

Sl. No.	Description of Source	Action Plan for Rejuvenation of River Thamirabarani	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target	Action Taken Status as on Date
1.	Sewage Treatment and Disposal plan	❖ **Tirunelveli District:** ❖ **Kallidaikurichi Town Panchayat** • No. of sewage outfall identified: 3 Nos. - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 26398 • Qty of Sewage generated: 0.350 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Canadian Irrigation Channel. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 105.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex / Aeration Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.

		• **Cheranmahadevi Town Panchayat** • No. of sewage outfall identified: 4 Nos. - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 18327 • Qty of Sewage generated: 0.110 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Canadian Irrigation Channel. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 45.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Veeravanallur Town Panchayat** • No. of sewage outfall identified: 3 Nos. - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 19585 • Qty of Sewage generated: 0.250 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Canadian Irrigation Channel. • **Plan of Action:** • Detailed project report has been	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019.

		prepared at an estimated cost of Rs 49.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.			• Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Mukkudal Town Panchayat** • No. of sewage outfall identified: 2 Nos - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 16755 • Qty of Sewage generated: 0.070 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Vellodai Channel • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 30.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Gopalasamudram Town Panchayat** • No. of sewage outfall identified: 3 Nos. • Population: 11228	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line

		• Qty of Sewage generated: 0.500 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into VagaikulamKanmai. • **Plan of Action:** ❖ Detailed project report has been prepared at an estimated cost of Rs 41.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.			Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Patthamadai Town Panchayat** • No. of sewage outfall identified: 3 Nos. - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 17456 • Qty of Sewage generated: 0.250 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Canadian Irrigation Channel. • **Plan of Action:** ❖ Detailed project report has been prepared at an estimated cost of Rs 39.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. •

					• The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Melaseval Town Panchayat** • No. of sewage outfall identified: 3 Nos. - Sewage into Irrigation Supply Channel Out-fall (ISCO) • Population: 8435 • Qty of Sewage generated: 0.020 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Canadian Irrigation Channel. • **Plan of Action:** ❖ Detailed project report has been prepared at an estimated cost of Rs 32.00 Lakhs for treatment and disposal of sullage water by Eco Ozotex Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
	Sewage Treatment and Disposal plan	❖ **Thoothukudi District** • **Authoor Town Panchayat** • No. of sewage outfall identified: 1 No. • Population: 10138 • Qty of Sewage generated: 0.500 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:**	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has

		Sullage water Let out into Thamirabarani river. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 30.00 Lakhs for treatment and disposal of sullage water by Aeration Technology under IUDM for the year 2019-20.			made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Eral Town Panchayat** • No. of sewage outfall identified: 2 Nos. • Population: 10599 • Qty of Sewage generated: 0.600 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Thamirabarani river. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 60.20 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.

		❖ **Srivaikundam Town Panchayat** • No. of sewage outfall identified: 2 Nos. • Population: 15847 • Qty of Sewage generated: 0.700 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into North canal of Thamirabarani river. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 53.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Alwarthirunagari Town Panchayat** • No. of sewage outfall identified: 3 Nos. • Population: 9500 • Qty of Sewage generated: 0.164 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into south canal of Thamirabarani river • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 53.00 Lakhs for treatment and	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line HonourableMinister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019.

		disposal of sullage water by Reed Bed Filter Technology under IUDM for the year 2019-20.			• Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
		❖ **Then Thiruperai Town Panchayat** • No. of sewage outfall identified: 1 No. • Population: 4934 • Qty of Sewage generated: 0.400 MLD • Status of UGSS: Not provided • Status of STP: Not Provided • **Present mode of Disposal:** Sullage water Let out into Town Panchayat own land and Private Land. • **Plan of Action:** • Detailed project report has been prepared at an estimated cost of Rs 53.00 Lakhs for treatment and disposal of sullage water by Reed Bed Filter Technology under IUDM for the year 2019-20.	Directorate of Town Panchayat	**June-2020**	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.

		❖ **Arumuganeri Town Panchayat** • No. of sewage outfall identified: Nil • Population: 27266 There is no discharge in the river.	Directorate of Town Panchayat	-	• Now the Government has taken up holistic view in abatement of pollution to the river stretches in Tamilnadu and in the same line Honourable Minister for Municipal Administration, Rural Development & Panchayat Raj and Special Initiatives Department has made announcement in the floor of assembly during the demand on Municipal Administration & Water Supply department on 08.07.2019. • Accordingly Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR. • The inception report is expected before 31.08.2020. Final DPR will be expected by 30.11.2020. Implementation will be completed before 31.12.2021.
2.	Solid Waste Management and Disposal Plan	❖ **Kallidaikurichi Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 26398 • Qty of MSW Generated: 8.10 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 4.600 TPD are processed by Windrow Compost method. • **Dry Waste – 2.0 TPD**	Directorate of Town Panchayat	**-**	Total waste generated: 10.65 TPD, Solid waste treatment-10.02 TPD& Gap in Treatment: 0.63TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		• Recyclable waste (plastic, metal, rubber etc., 1.00 TPD sold out to the identified vendors. • The Non Recyclable waste of 1.00 TPD periodically disposed. • Inert & Silt -1.50 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Nil • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			
		❖ **Cheranmahadevi Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 18327 • Qty of MSW Generated: 4.50 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 3.0 TPD are processed by Windrow Compost method. • **Dry Waste – 2.0 TPD** • Recyclable waste (plastic, metal, rubber etc., 9.00 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.60 TPD periodically disposed. • Inert & Silt -0.60 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Nil • Collection, segregation, treatment, disposal are under implementation in accordance	Directorate of Town Panchayat	-	Total waste generated: 5.92 TPD,Solid waste treatment- 5.55 TPD& Gap in Treatment: 0. 37TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		with Solid Waste Management Rules, 2016.			
		❖ **Veeravanallur Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 19585 • Qty of MSW Generated: 3.23 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 2.092 TPD is processed by Windrow Compost method. • **Dry Waste – 0.940 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.440 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.500 (Inert & Silt) TPD periodically disposed. • Inert & Silt -0.20 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Nil • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.	Directorate of Town Panchayat	**-**	Total waste generated: 4.25 TPD,Solid waste treatment- 4.07 TPD& Gap in Treatment: 0.18 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Mukkudal Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 16755 • Qty of MSW Generated: 4.30 TPD • Source Collection & Segregation – Yes	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 5.63 TPD,Solid waste treatment- 5.23TPD& Gap in Treatment: 0. 4TPD. Gap in treatment of Solid Waste are non – recyclable dry waste,

		• Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 2.58 TPD are processed by Windrow Compost method. • **Dry Waste – 1.72 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.50 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.50 TPD periodically disposed. • Inert & Silt 0.50 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs.128 Lakh for Providing Construction of Windrows Platform, Store Room, Watchman Shed, Machinery Room, Vermi Compost Cubical and Providing Fencing, Interlocking paver block road And Water Supply Toilet Arrangement at Compost Yard under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Gopalasamudram Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 11228 • Qty of MSW Generated: 1.42 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 2.17 TPD,Solid waste treatment- 2.07 TPD& Gap in Treatment: 0.1TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed

		&Vermi composting • **Present mode of disposal :** • Nearly 30 to 40% of Households are practicing home composting process. Town panchayat are also encouraging the home composting. • Wet Waste of 0.310 TPD are processed by Windrow Compost method. • **Dry Waste – 0.4 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.180 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.220 TPD periodically disposed. • Inert & Silt -0.710 TPD. Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 6.00 Lakh for Road, Water Supply, Light& Toilet under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Patthamadai Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 17456 • Qty of MSW Generated: 2.62 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 1.72 TPD are	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 3.44 TPD,Solid waste treatment- 3.34 TPD& Gap in Treatment: 0.1 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on

		processed by Windrow Compost method. • **Dry Waste – 0.70 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.20 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.50 TPD periodically disposed. • Inert & Silt -0.20 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 51.00 Lakh for Construction Compound Wall, and Providing Paver Block road Under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			cluster basis to dispose the non – recyclable dry waste.
		❖ **Melaseval Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 8435 • Qty of MSW Generated: 1.38 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 0.412 TPD are processed by Windrow Compost method. • **Dry Waste – 0.894 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.400 TPD sold out to the identified vendors. • The Non Recyclable waste of	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 1.81TPD,Solid waste treatment-1.70 TPD& Gap in Treatment: 0. 11TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries. It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		0.494 TPD periodically disposed. • Inert & Silt -0.069 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 65.72 Lakh for Construction Compound Wall, and Providing Paver Block road Under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			
	Solid Waste Management and Disposal Plan	❖ **Thoothukudi District** ❖ **Authoor Town Panchayat** • No. of MSW dumping points identified: 1 location • Population: 10138 • Qty of MSW Generated: 2.0 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 1.50 TPD are processed by Vermi Compost method. • **Dry Waste – 0.500 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.20 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.30 TPD periodically disposed. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 95.30 Lakh for Construction of Compound	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 2.21TPD,Solid waste treatment-2.07 TPD& Gap in Treatment: 0.14 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		wall, Retaining wall, Shed, Watch man Shed, Roads, Lighting and Toilet facilities under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			
		❖ **Eral Town Panchayat** • No. of MSW dumping points identified: 1 Location • Population: 10599 • Qty of MSW Generated: 2.85 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 1.71 TPD are processed by Vermi Compost method. • **Dry Waste – 0.760 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.30 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.460 TPD periodically disposed. • Inert & Silt -0.38 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs.15.00 Lakh for Construction of Compound wall, Water Supply and Vermi Compost under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 3.32 TPD,Solid waste treatment- 3.11 TPD& Gap in Treatment: 0.21 TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		with Solid Waste Management Rules, 2016.			
		❖ **Srivaikundam Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 15847 • Qty of MSW Generated: 4.20 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow &Vermi composting • **Present mode of disposal :** • Wet Waste of 1.50 TPD are processed by Vermi Compost method. • **Dry Waste – 2.50 TPD** • Recyclable waste (plastic, metal, rubber etc., 1.0 TPD sold out to the identified vendors. • The Non Recyclable waste of 1.50 TPD periodically disposed. • Inert & Silt -0.20 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 27.90 Lakh for infra facility Under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.	Directorate of Town Panchayat	**Aug-2020**	Total waste generated: 4.67 TPD,Solid waste treatment- 4.38 TPD& Gap in Treatment: 0.29TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Alwarthirunagari Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 9500 • Qty of MSW Generated: 1.57	Directorate of Town Panchayat	**-**	Total waste generated: 1.73 TPD,Solid waste treatment- 1.63 TPD & Gap in Treatment:

		TPD • Source Collection & Segregation – Yes • Treatment method: Vermi composting • **Present mode of disposal :** • Wet Waste of 0.84 TPD are processed by Vermi Compost method. • **Dry Waste – 0.56 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.2 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.36 TPD periodically disposed. • Inert & Silt -0.17 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** Nil • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			0.1TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.
		❖ **Then Thiruperai Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 4934 • Qty of MSW Generated: 0.75 TPD • Source Collection & Segregation – Yes • Treatment method: Vermi composting • **Present mode of disposal :** • Nearly 30 to 40% of Households are practicing home composting process. Town panchayats are also encouraging the home composting. • Wet Waste of 0.340 TPD are	Directorate of Town Panchayat	**Aug-2019**	Total waste generated: 0.92 TPD,Solid waste treatment- 0.86 TPD& Gap in Treatment: 0.06TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		processed by Vermi Compost method. • **Dry Waste – 0.310 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.1 TPD sold out to the identified vendors. • The Non Recyclable waste of 0.250 TPD periodically disposed. • Inert & Silt -0.10 TPD Used in Filling Low Lying Areas. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 41.40 Lakh for Construction of Windrows platform, water supply and Vermi shed are in progress under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			
		❖ **Arumuganeri Town Panchayat** • No. of MSW dumping points identified: Nil • Population: 27266 • Qty of MSW Generated: 4.98 TPD • Source Collection & Segregation – Yes • Treatment method: Windrow composting • **Present mode of disposal :** • Wet Waste of 3.88 TPD are processed by Windrow Compost method. • **Dry Waste – 1.10 TPD** • Recyclable waste (plastic, metal, rubber etc., 0.50 TPD sold out to the identified	Directorate of Town Panchayat	**Dec-2020**	Total waste generated: 5.49 TPD,Solid waste treatment- 5.16 TPD& Gap in Treatment: 0.33TPD. Gap in treatment of Solid Waste are non – recyclable dry waste, which are stocked at dump yards/ RRCs and disposed through the Cement Industries.It is proposed to install Incinerators in each districts on cluster basis to dispose the non – recyclable dry waste.

		vendors. • The Non Recyclable waste of 0.60 TPD periodically disposed. **Proposed Plan of Action:** • Work under progress at an estimate cost of Rs. 41.00 Lakh for Windrow platform, Vermi Compost and Paver Block Road under SBM Fund. • Collection, segregation, treatment, disposal are under implementation in accordance with Solid Waste Management Rules, 2016.			

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
			Departments Responsible for furnishing the details
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Individual and community soak pits are being constructed to manage the grey water generated in the rural area.
	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	
5	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose.		
	• Monitoring at State level must take place		
6	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB		
6.1	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu		Report enclosed in Annexure

	treatment (ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (iii) <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status (iv) <u>Status of Solid Waste management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		Tamil Nadu has established Solid Waste Management facilities in the Village Panchayats with required infrastructure facilities like Segregation cum storage sheds, Street Garbage Collection Bins, Tricycles/Pushcarts, etc., for collection, segregation and safe processing of waste. In SWM activities, 222 ThooimaiKaavalars are being engaged through VPRCs/PLFs of SHG members on outsourcing basis. The solid waste collected from households by the Thooimai Kaavalars are transported to the Segregation shed for further processing. The Solid waste collected is segregated into Biodegradable and Non-biodegradable, the Bio-degradable waste are converted to compost and are provided to farmers for agricultural and other purposes. The Recyclable part of the waste collected

	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		is segregated and sold to scrap merchants Intense IPC/BCC activities are taken up to promote Source segregation and safe disposal of wastes. Door to Door Solid waste collection facilities have been provided to all the Rural households in Tamil Nadu. **Gap between current status and desired levels** There is a no gap prevailing between 100 % Collection, Segregation of waste at source and safe processing and disposal. **Proposal of attending the gap with time lines** Intensive IPC/ BCC activities will be taken up as part of ODF Plus with the help of motivators to promote safe sanitation, segregation and safe disposal of Solid and Liquid waste.
	(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.		In Peri-Urban / Bigger Village Panchayats adjacent to Corporations and Municipalities, SWM is a major problem due to its density, change in consumption pattern and increased per capita waste generation. These Village Panchayats find it very

			difficult to identify huge land for establishment of a centralized and integrated solid waste management facility within their limit. The huge quantum of waste which could not be managed effectively at local level resulted in environmental pollution due to waste dumps posing health hazard. Therefore, in order to improve the solid waste management facilities in these areas, it is proposed to establish 300 Micro-Composting Centres (MCC) in Peri-Urban/ Bigger Village Panchayats similar to those already functioning in urban local bodies.
	(vii) Ground water regulation (viii) Adopting good irrigation practices, (ix) Protection and management of Flood plain Zones (FPZ), (x) Rain water harvesting, (ix) Maintaining minimum environmental flow of river (xii) Plantation on both sides of the river (xiii) Setting up biodiversity parks on flood plains by removing encroachment		PWD, CMA, DTP, RD&PR PWD(WRD)

Annexure

Action plan for Rejuvenation of Polluted River Stretches

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
1	Erode	Thottipalayam	Bhavani	Works Proposed under MGNREGS (2019-20) 1. Sevarayanpalayam - 2 Nos 2. Thippichettipalayam - 2 Nos Total - 4 Nos	Works Proposed under MGNREGS (2019-20) 1. Sevarayanpalayam - 250 Nos 2. Thippichettipalayam - 109 Nos 3.Pudhukadaiyampatty -105 Nos Total - 464 Nos	-	Work Completed -4 Nos.	work completed:464 Nos.	-
2	Erode	Andikulam	Bhavani	Works Proposed under MGNREGS (2019-20) Palaiyakadaiyampatty - 3 Nos.	Works Proposed under MGNREGS(2019-20) 1.Palaiyakadaiyampatty - 35 Nos 2.Senkadu -25 Nos Total -60 Nos	-	Work Completed -3 Nos.	work completed:60 Nos.	-
3	Salem	T. Konagapadi	Sarabanga	2 Vertical Filter type soak pit	125 Houses will be taken up for soak pits	1 no of Community Soak pits	Work Taken up: Community Soak Pits - 2 Nos Completed- 2 Nos	Work Taken up: Individual Household Soak pits - 125 Nos Completed- 125	Work Taken up: Community soak pit- 1 Nos Completed- 1
4	Salem	Thathiampatty	Sarabanga	1 Vertical Filter type soak pit	145 Houses will be taken up for soak pits	-	Work Taken up: Vertical filter - 1 No Completed- 1 No	Work Taken up: Individual Household Soak pits - 145 Nos Completed- 145 Nos	-
5	Salem	Maniviludhan	Vashista	3 Vertical Filter type soak pit	550 Houses will be takenup for soak pits	3 Nos Community Soak pits	Work Taken up: Vertical filter - 3 Nos Completed- 3 Nos	Work Taken up: Individual Household Soak pits - 550 Nos Completed- 550 Nos	Work Taken up: Community soak pit- 3 Nos Completed- 3 Nos

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
6	Salem	Thiyaganur	Vashista	1 Vertical Filter type soak pit	35 Houses will be takenup for soak pits	3 Nos of Community Soak pits	Work Taken up: Vertical filter - 1 No Completed- 1 No	Work Taken up: Individual Household Soak pits - 35 Nos Completed- 35 Nos	Work Taken up: Community soak pit- 3 Nos Completed- 3 Nos
7	Thoothukudi	Murappanadu Puthugramam	Tamirabarani	One Horizontal Soak pit is proposed to construct at the disposal point	-	-	work taken up under MGNREGS 2019-20. work was completed	-	-
8	Thoothukudi	Mukkani	Tamirabarani	Two Horizontal filter proposed under MGNREGS during 2019-20	40 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	work taken up under MGNREGS 2019-20. work was completed	40 Nos of Individual Soak Pit works taken up under MGNREGS. 40 Nos of Individual Soak pit works completed.	-
9	Thoothukudi	Vallavallan	Tamirabarani	One Vertical filter proposed under MGNREGS during 2019-20	65 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	work taken up under MGNREGS 2019-20. This work was completed	65 Nos of Individual Soak Pit works taken up under MGNREGS. 65 Nos of Individual Soak pit works completed.	-
10	Thoothukudi	V. Athichanallur	Tamirabarani	-	20 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	-	20 Nos of Individual Soak Pit works taken up under MGNREGS. All works completed	-
11	Thoothukudi	Muthulankurichi	Tamirabarani	One Vertical soak pit is proposed to consturct under MGNREGS 2019-20	-	-	work taken up under MGNREGS 2019-20. This work was completed	-	-
12	Thoothukudi	Karungulam	Tamirabarani	One Vertical soak pit is proposed to consturct under Pt. General Fund	-	-	work taken up under Pt General Fund 2019-20. This work was completed	-	-

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
13	Thoothukudi	Nanalkadu	Tamirabarani	One Vertical soak pit is proposed to consturct under Pt. Union General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
14	Thoothukudi	Arampannai	Tamirabarani	One Vertical soak pit is proposed to consturct under Pt. General Fund	-	-	work taken up under Pt General Fund 2019-20. This work was completed	-	-
15	Thoothukudi	Kongarayakurichi	Tamirabarani	One Vertical soak pit is proposed to consturct under Pt. General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
16	Thoothukudi	Sernthamangalam	Tamirabarani	One Horizontal soak pit is proposed to consturct under Pt. Union General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
17	Thoothukudi	Kurangani	Tamirabarani	One Horizontal soak pit is proposed to consturct under Pt. Union General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
18	Thoothukudi	Rajapathy	Tamirabarani	One Horizontal soak pit is proposed to consturct under Pt. Union General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
19	Thoothukudi	Sethukuvaithan	Tamirabarani	One Horizontal soak pit is proposed to consturct under Pt. Union General Fund	-	-	work taken up under Pt Union General Fund 2019-20. This work was completed	-	-
20	Thoothukudi	Athinathapuram	Tamirabarani	-	60 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	8 Nos of Communitiy Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	60 Nos of Individual Soak Pit works taken up under MGNREGS. 60 Nos of Individual Soak pit works completed.	8 Nos of Communitiy Soak Pit works taken up under MGNREGS and all Works are completed

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
21	Thoothukudi	Thirukalur	Tamirabarani	-	90 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	8 Nos of Communitiy Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	90 Nos of Individual Soak Pit works taken up under MGNREGS.90Nos of works completed.	8 Nos of Communitiy Soak Pit works taken up under MGNREGS and all Works are completed
22	Thoothukudi	Kadayanodai	Tamirabarani	-	45 Nos of Individual Soak Pits are proposed to construct on 2019-20 under MGNREGS	4 Nos of Communitiy Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	45 Nos of Individual Soak Pit works taken up under MGNREGS. 45 Nos of Individual Soak pit works completed.	4 Nos of Communitiy Soak Pit works taken up under MGNREGS and all Works are completed
23	Thoothukudi	Umarikadu	Tamirabarani	-	-	4 Nos of Communitiy Soak Pits are proposed to construct on 2019-20 under MGNREGS	-	-	4 Nos of Community Soak Pit works taken up under MGNREGS. All works completed
24	Tirunelveli	Keelappattam	Tamirabarani	1 Horizontal and 1 Vertical Filter are proposed	40 nos of Households will be provided with soak pits under MGNREGS on priority basis in phased manner.	-	Work Taken up:2 Horizontal filter-1 No Vertical filter- 1 No Completed - 2 Balance - 0	Work Taken up:40 Individual Household soak pit - 40 Completed - 40 Balance - 0	-
25	Tirunelveli	Thirupudai maruthur	Tamirabarani	1 Vertical filter is proposed	92 Households will be provided with soak pits under MGNREGS on priority basis in phased manner.	-	Work Taken up:1 Vertical filter - 1 No Completed - 1 Balance - 0	Work Taken up:92 Individual Household soak pit - 92 Completed - 92 Balance- 0	-

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
26	Tirunelveli	Seevalaperi	Tamirabarani	2 Vertical filter are proposed	250 nos of Households will be provided with soak pits under MGNREGS on priority basis in phased manner.	-	Work Taken up:2 Vertical filter - 2 No Completed - 2 Balance - 0	Work Taken up:250 Individual Household soak pit - 250 Completed - 250 Balance - 0	-
27	Namakkal	A.Erayamangalam	Cauvery	Proposal given in the year of 2019-20, 2020-21 in MGNREGS for 3 Horizontal filter (or) Vertical Filter	Proposal for 40 nos given in the year of 2019-20, 2020-21 in MGNREGS	-	No.of Work taken up:1 Completed :1 Balance to be completed :0	No.of Work taken up:40 Completed :40 Balance to be completed :0	-
28	Namakkal	Molasi	Cauvery	Proposal given in the year of 2019-20, 2020-21 in MGNREGS for 2 Horizontal filter (or) Vertical Filter	Proposal for 30 nos given in the year of 2019-20, 2020-21 in MGNREGS	-	No.of Work taken up:2 Horizontal filter Completed :2	No.of Work taken up:30 Completed :30	-
29	Namakkal	Patlur	Cauvery	Proposal for 2 Horizontal filter (or) Vertical Filter given in the year of 2019-20 in MGNREGS	Proposal for 50 nos given in the year of 2019-20 in MGNREGS	-	No.of Work taken up: 2 Horizontal filter Completed :2	No.of Work taken up: 50 Completed :50	-

S.No	District	Village Panchayat	River	Action Plan Proposed			Action Taken		
				Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River	**Construction of soak pits for Houses**	**Construction of Community soak pits**	**Construction of Horizontal filter type or Vertical filter type to stop drainage disposal into River**	**Construction of soak pits for Houses**	**Construction of Community soak pits**
30	Namakkal	Kokkarayanpettai	Cauvery	1 Horizontal /Vertical Sand Filter.	No space available. So, sand filters will be provided at end point.	-	No.of Work taken up: 1 Vertical Filter Completed :1	Since there is no space for individual soak pit. The entire liquid waste to be treated by Horizontal/Vertical Sand Filters at end point.	-

For DRD&PR

Annexure-IV

Status Report on Rejuvenation of Polluted River Stretches in Tamil Nadu as on July-2020

Details given by PWD (WRD):

1.	**Control of Illegal Ground Water Abstraction**	• As per Madras High Court order passed under WP No. 16299 of 2018, show case notices have been issued to the illegally operating companies without obtaining Ground Water Clearance; action has been initiated to close them. • A comprehensive Ground Water (Management and Development) Act., to regulate and manage the extraction of Ground Water is under active consideration of the Government.	
2.	**River catchment / Basin Management**	Tamil Nadu has 34 River Basins consisting of 127 Sub Basins. Under World Bank assisted Tamil Nadu Irrigated Agriculture Management Project (TNIAMP), Basin Management activities are under progress in River stretches of Thirumanimutharu and Thamirabarani. For other rivers stretches the same will be taken up in phased manner under TNIAMP.	
3.	**Ground Water recharge / Rainwater harvesting**		
S.No.	**Stretches**	**Existing**	**Proposed**
1.	River Sarabanga - Thathayampatti to T. Konagapadi Stretch (15 Kms.)	3 Nos. of Check dams have been constructed	5 Nos. of Recharge wells have been proposed under National Water Conservation Scheme. One Check dam is proposed at Omalur.
2.	River Thirumanimuthar – Salem to Papparapatti Stretch	-	12 Nos. of Recharge Well have been proposed.
3	River Vasista - Manivilundhan to Thiyaganur Stretch (10 Kms.)	11 Nos. of Recharge wells and 2 Nos. of Bed Dams have been constructed.	10 Nos. of recharge wells have been proposed.
4	River Cauvery – Mettur to Mayladudhurai Stretch (10 Kms.)	One Barrage at AdhanurKumaramangalam is under construction	8 Nos. of Recharge wells have been proposed. 5 Nos. of Barrages at NanJaipugalur, Kulithalai, Thuthur, Karuppur and One Tail end Regulator at Alakudi

			have been proposed.
5	River Bhavani - Sirumugai to Kalingarayan stretch (60 Kms.)	5 Nos. of Recharge wells have been constructed.	1 No. of Recharge well has been proposed.
6	River Thamirabarani - Papankulam to Arumuganeri Stretch (80 Kms.)	4 Check dams and 2 Nos. of Recharge wells have been constructed.	8 Nos. of Recharge wells have been proposed. 3 Nos. of Check dams (Agaram, Alvarthirunagari and Dhesamanikkam) have been proposed.
• Individual households & commercial buildings are being insisted to put up rain water harvesting structures within their premises.			

1.	**Flood Plain Zone Protection**	Yes Identification of FPZ areas has been completed in co-ordination with Revenue Department in River Sarabanga, Thirumanimutharu, Vasista, Thamirabarani. For other rivers work is in progress. **<u>Flood Warning system</u>** • Emergency action plan for the River system has been prepared and to identify emergency situations that could threaten river system under the guidance of Centre water commission, Govt. of India. • The procedures are intended to protect lives and prevent property damage from an excessive release of water from the dam spillways or an uncontrolled outflow of water from the breached portion of dam. • Emergency Action Plan (EAP) will be reviewed and updated annually before 1st of June of every year by the Superintending Engineer and the Emergency Planning Manager. **<u>Responsibilities for Evacuation (Role of District Administration)</u>** • Evacuation and relief actions are exclusive responsibilities of District Administration Authorities. • The District Collector acting as District's Disaster Management Authority is responsible to coordinate actions along with the following specialized teams/forces:

		• Police • Fire Departments, • National Disaster Management Authority, • Civil Defense, • Army Forces.
2.	**Construction of Hydraulic structures to reducing the flood** **Bhavani River**	**<u>Athikadavu - Avinashi scheme</u>** • The main motto of the scheme utilize the surplus discharge in the river Bhavani and thus excess water is used for ground water recharge and drinking water schemes in districts such as Coimbatore, Tirupur & Erode at an estimated cost of Rs.1652.00 crores. • This project also providing irrigation facilities to the drought prone areas and ground water depleted areas of Coimbatore, Tirupur & Erode districts. • It is proposed to feed 32 PWD tanks, 42 panchayat union tanks and 971 percolation ponds covering irrigation commend area of existing 24,468 acres.

IV. Maintaining minimum e-flow of river:

1.	**E-Flow maintenance & Water Shed Management**	Yes In Tamil Nadu, Cauvery is the Major river and as per Cauvery Water Disputes Tribunal's Order, 2.5.TMC ft of water is released in the river to maintain E Flow. Flow is only in the rainy season in River Sarabanga, Thirumanimutharu, Vasista, Bhavani.

V. Plantation along river &

VI. Development of biodiversity park:

1.	**Setting up of Biodiversity Parks, Greenery / Plantation along the banks of river stretches.**	• Green belt is been developed continuously in the State by various departments under afforestation programmes. • Further developments are also proposed under the "Nadanthai Vaazhi Cauvery Scheme" also. • Tree planting on the banks of the river stretches along with the Forest Department will be completed before March 2021. • Plantation activities are being taken up under MGNREGS scheme along the river courses, wherever spaces are available by the local bodies.

VII. Reuse of Waste water:

1	**Utilization of Treated WasteWater**	• The treated wastewater is to be utilized for eco-parking, greenery development and avenue plantation and the remaining will be disposed into the river after meeting the standards. • Industries having ZLD system are reusing the treated wastewater in the process. • Domestic grey water has been recharged into the ground through Individual soak pit constructed at individual households and filtered grey water from community soak pits are being utilized for agricultural purpose in Rural areas.

Annexure-V

Status Report on Rejuvenation of Polluted River Stretches in Tamil Nadu as on July-2020

In all the river stretches the industrial effluent management have been effectively managed by the TNPCB and there is no gap.

Details for industrial effluent management (in MLD)

S.No.	District	Generated (MLD)	Processed/ Treated (MLD)	Gap (MLD)
River Sarabanga				
1.	Salem	322.208	322.208	-
2.	Namakkal	62.598	62.598	-
	Total	**384.806**	**384.806**	**-**
River Thirumanimutharu				
1.	Salem	322.208	322.208	-
2.	Namakkal	62.598	62.598	-
	Total	**384.806**	**384.806**	**-**
River Vasista				
1.	Salem	322.208	322.208	-
River Cauvery				
1.	Dharmapuri	4.55	4.55	-
2.	Salem	322.208	322.208	-
3.	Erode	141.864	141.864	-
4.	Namakkal	62.598	62.598	-
5.	Karur	46.822	46.822	-
6.	Trichy	8.8	8.8	-
7.	Thanjavur	6.15	6.15	-
8.	Nagapattinam	44.14	44.14	-
	Total	**637.132**	**637.132**	**-**

River Bhavani				
1.	Coimbatore	13.73	13.73	-
2.	Erode	141.864	141.864	-
	Total	**155.594**	**155.594**	**-**
River Tamirabarani				
1.	Tirunelveli	160.06	160.06	-
2.	Thoothukudi	286.875	286.875	-
	Total	**446.935**	**446.935**	**-**

No industrial discharge of effluent. The effluent generating industries are provided with individual ETP/STP/connected to CETP/CSTP. The treated effluent is utilized for process in case of ZLD/ others gardening/irrigation inside the unit premises.

All Textile and Tannery units have either individual ETP with ZLD system or connected to CETP with ZLD system. The treated effluent is reused in the process and hence there is no industrial discharge into the river.

Industrial clusters of Sago industries found in Salem district – Effluent treatment involves power generation and the treated effluent is used for irrigation purpose.

Annexure VI

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Sarabanga - Polluted river stretches from Thathayampatti to T.Konagapadi - 15 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Edappadi (River)	3024	No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			No Flow		
2	Edappadi (Borewell)	3024	No Sampling			6.5	<2	11	6.2	<2	14	6.3	<2	4	6.1	<2	11	6.4	<2	4	6.0	<2	1.8

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Thirumanimutharu - Polluted river stretches from Salem to Papparapatti - 15 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Uthamasolapuram (River)	3022	No Flow			2.1	8.5	11000	Nil	15	6100	3.9	6.1	1300	Nil	14	3500	5.8	3.6	9	5.1	3.2	1400
2	Uthamasolapuram (Borewell)	3022	6.6	<2	11	6.2	<2	11	5.1	<2	17	6.7	<2	8	4.8	2.7	8	6.0	2.1	8	6.9	<2	3.7

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Vasista - Polluted river stretches from Manivilundhan to Thiyaganur - 10 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Thulukkanur (River)	3023	No Flow			Nil	24	14000	Nil	15	17000	Nil	16	2100	No Flow			Nil	20	33000	Nil	**500***	17000
2	Thulukkanur (Subsurface)	3023	6.8	<2	2	6.4	<2	6	4.8	<2	11	6.6	<2	2	6.5	<2	4	6.0	2.1	8	4.4	2.6	4

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

* Sago effluent disposed in the river

TAMIL NADU POLLUTION CONTROL BOARD
76, Mount Salai, Guindy, Chennai - 600 032.
Water Quality Status of Polluted River Stretches
River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - I

Sl.No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Mettur	50	6.6	<2	21	5.1	2.0	43	5.8	2.5	46	6.7	<2	21	6.0	<2	21	6.0	<2	43	4.8	<2	32
2	Pallipalayam	51	6.7	<2	58	1.6	12.0	170	6.1	2.2	170	6.6	<2	26	5.0	2.2	84	5.9	3.8	310	5.9	<2	260
3	Musiri Borewell	32	No Flow			No Flow			No Flow			No Flow			No Flow			No Flow			No Flow		
4	Musiri Ferry Gate	31	6.0	<2	140	No Flow			No Flow			No Flow			No Flow			6.1	<2	63	No Flow		
5	Komarapalayam	3012	6.7	<2	110	6.0	2.0	170	5.8	<2	210	6.9	<2	49	5.6	<2	210	4.6	6.9	250	6.5	2.2	170
6	Urachikottai	3013	6.5	<2	32	6.0	<2	70	5.8	<2	84	6.7	<2	32	6.0	<2	58	6.1	<2	58	6.9	<2	63
7	Seerampalayam	3014	6.5	<2	94	5.4	3.0	210	6.1	<2	490	6.9	<2	31	5.7	<2	220	5.9	3.6	220	7.3	<2	120
8	Pugalur	3045	6.1	<2	140	6.6	<2	170	6.1	<2	210	6.6	<2	58	6.2	<2	140	6.0	<2	110	6.9	<2	140
9	Pettavaithalai	3016	6.1	<2	220	No Flow			No Flow			No Flow			No Flow			6	<2	140	No Flow		
10	Kumbakonam	3017	6.0	<2	170	No Flow			No Flow			No Flow			No Flow			No Flow			No Flow		
11	Mayiladurai	3018	6.1	2	84	5.1	3	63	6.0	<2	110	5.3	2.0	NA	No Flow			5.2	2	NA	5.2	2	NA
12	R.N. Pudur	1322	6.6	<2	45	0.4	23.3	430	5.7	2.5	310	6.7	<2	38	6.1	<2	140	6.0	<2	94	7.0	<2	84
13	Vairapalayam	1320	6.2	<2	31	6.5	<2	170	6.2	<2	220	6.8	<2	110	5.6	<2	210	6.0	<2	23	6.1	<2	26
14	P. Velur	1323	6.6	<2	38	6.1	<2	220	5.6	<2	260	6.1	<2	170	6.0	<2	250	6.1	<2	230	6.3	<2	79
15	Mohanur	1324	6.3	<2	31	5.7	2.4	210	5.8	<2	580	6.0	<2	200	6.2	<2	260	6.0	<2	260	5.8	<2	84
16	Thirumukkudal	1451	6.0	<2	150	6.5	<2	210	6.0	<2	170	6.3	<2	46	6.1	<2	170	6.2	<2	130	7.0	<2	170
17	Trichy Upstream	1202	6.0	<2	310	No Flow			No Flow			No Flow			No Flow			6.1	<2	310	No Flow		
18	Trichy Downstream	1325	5.5	<2	460	No Flow			No Flow			No Flow			No Flow			5.8	3.3	430	No Flow		
19	Grand Anaicut	1203	5.4	<2	110	No Flow			No Flow			No Flow			No Flow			6	<2	110	No Flow		

Standard limit for BOD <3 mg/L
Standard limit for Fecal coliform <500 MPN/100ml
Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Bhavani Polluted river stretches from Sirumugai to Kalingarayan - 60 KM - Priority-IV

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Badrakaliamman koil	1201	6.7	<2	26	6.6	<2	26	6.3	2.1	31	7.2	<2	14	7.1	<2	NA	5.9	<2	26	6.0	<2	21
2	Sirumugai	1204	6.8	<2	22	6.2	2	130	6.0	2.4	140	7.1	<2	9	7.4	<2	NA	6.3	<2	21	6.5	<2	14
3	Bhavanisagar	1321	6.8	<2	26	6.6	<2	32	6.2	<2	31	6.8	<2	26	6.2	<2	31	6.3	<2	22	7	<2	17
4	Bhavani	1205	6.5	<2	63	7.0	<2	110	6.3	<2	94	6.2	<2	49	6.3	<2	34	6.0	<2	110	6.7	<2	170
5	Sathyamangalam	3019	6.6	<2	13	6.0	<2	63	5.7	<2	38	7.1	<2	26	6.3	<2	43	6.2	<2	26	6.7	<2	22
6	Kalingarayan Canal (B5)	3020	6.5	<2	33	6.7	<2	61	6.0	<2	79	6.4	<2	31	6.1	<2	43	5.6	2.5	63	6.8	<2	46
7	Kalingarayan Canal (B10)	3021	6.5	<2	49	6.6	<2	61	6.1	<2	70	6.3	<2	47	6.3	<2	49	5.7	<2	70	6.9	<2	63

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l

TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Thamirabarani Polluted river stretches from Pappankulam to Arumuganeri - 80 KM - Priority-V

Sl. No.	Name of station	Station Code No.	Jan-20			Feb-20			Mar-20			Apr-20			May-20			Jun-20			Jul-20		
			D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml	D.O mg/L	BOD at 27^0 C mg/L	Fecal coliform MPN/100 ml
1	Papanasam	1159	7.0	2.2	2	7.2	2.0	8	7.2	<2	2	6.8	<2	2	6.1	<2	2	7.3	2	4	6.8	2.3	<1.8
2	Cheranmadevi	1160	6.5	2.4	14	7.0	2.4	22	7.0	2.8	8	6.6	2.3	10	6.8	<2	9	7.0	2.2	21	6.5	2.5	21
3	Kokirakulam	1161	6.6	2.5	25	6.5	2.8	110	6.8	2.3	26	6.6	2.1	13	6.4	2	22	7.1	2.9	70	6.2	2.4	42
4	Murapanadu	1162	6.0	2.5	63	7.5	2.4	70	7.6	2.3	70	7.5	2.7	33	7.3	2.8	70	6.4	3.3	120	7.4	2.5	26
5	Thiruvidaimarudur	1328	6.2	2.2	9	7.2	2.4	17	7.1	2.2	7	6.8	<2	8	7.0	<2	8	7.2	<2	12	7.2	2.5	17
6	Ambasamudram	1329	7.0	2.3	4	7.0	2.2	17	7.3	2.5	4	7.0	<2	2	7.3	<2	4	7.2	<2	7	7.0	2.5	2
7	Authoor	1330	6.6	2.8	41	7.6	2.6	94	7.2	2.5	58	6.8	3	110	7.1	3.2	220	7.5	2.6	53	7.1	5.1	84
8	Eral	3025	6.5	2.9	110	6.0	2.8	120	5.3	2.3	70	6.5	2.7	110	6.7	3	140	6.2	2.8	58	5.8	4.5	34
9	Kallidaikurichi	3026	7.2	2.1	7	7.1	2.2	22	7.3	2.4	6	7.1	<2	6	6.9	<2	6	7.0	<2	8	7.1	2.6	6
10	Srivaikuntam	3027	7.1	2.8	43	7.9	2.2	63	7.0	2.3	47	7.2	2.6	43	7.3	2.8	110	5.9	3	70	5.3	3.9	31
11	Vellakovil	3028	6.4	2.6	17	6.0	2.5	70	6.2	2.9	22	6.5	3	17	6.0	2.2	26	6.3	2.9	94	5.9	2.5	23
12	Seevalaperi	3029	6.4	2.5	33	6.8	2.7	79	5.8	2.7	31	6.4	3	23	6.2	2.6	26	6.4	3	120	6.1	2.5	31

Standard limit for BOD <3 mg/L

Standard limit for Fecal coliform <500 MPN/100ml

Standard limit for DO 5.0 mg/l

Annexure-VII

Status Report on Rejuvenation of Polluted River Stretches in Tamil Nadu as on July-2020

In all the river stretches the Bio-medical waste & Hazardous waste management have been effectively managed by the TNPCB and there is no gap.

Table 1: Details for other wastes (in TPD)
Bio-medical Waste Management

S.No.	District	Generated (TPD)	Processed/ Treated (TPD)	Gap (TPD)
River Sarabanga				
1.	Salem	0.400	0.400	-
2.	Namakkal	1.190	1.190	-
	Total	**1.59**	**1.59**	**-**
River Thirumanimutharu				
1.	Salem	0.400	0.400	-
2.	Namakkal	1.190	1.190	-
	Total	**1.59**	**1.59**	**-**
River Vasista				
1.	Salem	0.400	0.400	-
River Cauvery				
1.	Dharmapuri	0.4768	0.4768	-
2.	Salem	0.400	0.400	-
3.	Erode	0.379	0.379	-
4.	Namakkal	1.190	1.190	-
5.	Karur	0.655	0.655	-
6.	Trichy	0.850	0.850	-
7.	Thanjavur	1.700	1.700	-
8.	Nagapattinam	0.325	0.325	-
	Total	**5.97**	**5.97**	**-**

River Bhavani				
1.	Coimbatore	3.583	3.583	-
2.	Erode	0.379	0.379	-
	Total	**3.962**	**3.962**	**-**
River Tamirabarani				
1.	Tirunelveli	1.641	1.641	-
2.	Thoothukudi	0.344	0.344	-
	Total	**1.985**	**1.985**	**-**

All the Bio-medical wastes generated from the Health care facilities and diagnosis Labs are disposed to the nearby TNPCB/CPCB authorized Bio medical waste treatment facility.

Table 2: Details for other wastes (in TPD)

Hazardous Waste Management

S.No.	District	Generated (TPD)	Processed/ Treated (TPD)	Gap (TPD)
River Sarabanga				
1.	Salem	2.98	2.98	-
2.	Namakkal	1.55	1.55	-
	Total	**4.53**	**4.53**	**-**
River Thirumanimutharu				
1.	Salem	2.98	2.98	-
2.	Namakkal	1.55	1.55	-
	Total	**4.53**	**4.53**	**-**
River Vasista				
1.	Salem	2.98	2.98	-
River Cauvery				
1.	Dharmapuri	0.1	0.1	-
2.	Salem	2.98	2.98	-

3.	Erode	18.27	18.27	-
4.	Namakkal	1.55	1.55	-
5.	Karur	1019.50	1019.50	-
6.	Trichy	11.08	11.08	-
7.	Thanjavur	0.534	0.534	-
8.	Nagapattinam	0.428	0.428	-
	Total	**1054.44**	**1054.44**	**-**
River Bhavani				
1.	Coimbatore	55.0	55.0	-
2.	Erode	18.27	18.27	-
	Total	**73.27**	**73.27**	**-**
River Tamirabarani				
1.	Tirunelveli	423.88	423.88	-
2.	Thoothukudi	383.91	383.91	-
	Total	**807.79**	**807.79**	**-**

All the Hazardous wastes generated from the Industries are disposed to the nearby TNPCB authorized Hazardous waste treatment facility.

Solid Waste Management System

Type of Waste	Waste Management
Bio-Medical Waste	All the Bio-medical wastes generated from the Health care facilities and Lab are disposed to the nearby TNPCB authorized Bio medical waste treatment facility.
Hazardous Waste	All the Hazardous wastes generated from the Industries are disposed to the nearby TNPCB authorized Hazardous waste treatment facility.
Plastic Waste	• All the plastic wastes generated from the Industries are disposed to the nearby TNPCB/CPCB authorized recycler. • The concerned local bodies have been segregating the plastic waste from the domestic wastes and disposing to the nearby TNPCB/CPCB authorized recycler. • In Tamil Nadu One time Use and Throw away plastic irrespective of thickness is banned since Jan-2019 onwards. Thus far, 1364 tonnes has been seized and 663 lakhs has been collected.
E-Waste	• All the E-wastes generated from the Industries are disposed to the nearby TNPCB authorized recycler/dismantler. • The concerned local bodies have been segregating the E-waste from the domestic wastes and disposing to the nearby TNPCB authorized recycler/dismantler.
Construction & Demolition Waste (C&D waste)	• Earmarked locations are identified in Towns for C&D waste management. • C&D wastes are used for filling basement and low lying areas. • 5 ULBs have proposed to set up processing facilities for C&D waste (Greater Chennai Corporation, Coimbatore, Tiruchirapalli, Madurai and Tiruppur). • Proper mechanism for inflow and outflow of C&D waste is being planned by 31.12.2020 and will be fully established. • Currently C& D Waste is being used for laying base course for formation of roads and filling up of low lying areas.