		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.1.1	Pumping lines from the terminal pumping stations namely Kuriyathi, Pattoor, Kannammoola and Enchakkal pumping stations are to be connected directly to STP at Muttathara	Kerala Water Authority	May 2019	Completed	Completed	Completed		AS not obtained for the pumping main from Pattoor, Kannammoola & Enchakkal
	Kuriyathi pumping line	Kerala Water Authority		Completed	Completed		100	Work Completed.
2.1.2	Rehabilitation/upgradation of Thaliyal and Aranoor Sewerage Pump house by rehabilitation of existing well, construction of new well and grit chamber, installation of new pump sets	Kerala Water Authority	May 2020				100	Work Completed.
2.1.3	5 MLD sewage treatment plant at Medical College	Kerala Water Authority	May 2020				100	Work Completed.
2.1.4	Installation of adequate pumps in Mudavanmughal and Enchakkal pumping stations	Kerala Water Authority	March 2020				100	Work Completed.
2.1.5	DG sets in all lift and pumping stations – Mudavanmughal, Aranoor, Thaliyal, Kuriyathi, Pattoor, Kannammola,Pattom, Murinjapalam and Enchakkal	Kerala Water Authority	May 2020				100	Work Completed.
2.1.6	Reconnect sewer at Rajaji Nagar, stop outflow of sewage into Amayizhanchan thodu, control storm water entry into sewer to avoid overflow in Thampanoor area Sewage generated in Rajaji Nagar shall be diverted to main sewer line Sewage generated in Thoppil area shall be diverted main sewer line	Kerala Water Authority	Dec 2020				100	Work Completed.
2.1.7	Discharge of sewage in Parayil kadavu shall be stopped as there is overflow of sewage reaches in houses having sewerage connection and this may lead to discharge of sewage into River Karamana	Kerala Water Authority	Completed				100	Work Completed.
2.1.8	Divert the sewer line from the School compound of Government Karamana High School	Kerala Water Authority	Awarded				100	Work Completed.
2.1.9	Rehabilitation by laying new lines increasing size of undersized main and reconstruction by dilapidated manholes for the last 3 years	Kerala Water Authority	May 2020	0	0		100%	Works completed - 75 No (Rs. 15.41 cr) AMRUT - 44, State Plan - 28 MLA ADF/SDF - Completed
	Total works in progress (76No.) Works in tendering (2No.)						Dropped – 2 No. (Rs. 1.52cr.) State plan-2	76 works completed andTwo works dropped due to not getting offers on repeated tenders and expiry of AS. Hence the work estimate recasted and submitted for AS in StatePlan and has completed.
2.1.10	Extension of sewer network wherever technically feasible in new areas of existing blocks	Kerala Water Authority	May 2020	0.1	0		99.3	Works completed - 21 No (Rs. 17.21 cr) AMRUT- 12, State Plan- 7 Nos, 4 Nos ongoing MLA ADF/SDF-1
		In progress/ Ongoing (4 No)						

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
	Tendering/ To be arranged (1No.) Land acquisition -1 In progress-3				To be arranged		Land acquisition in progress - 1 Nos	Land acquisition process for all 4 works completed and land handed over to KWA and LA for the work of laying sewer trunk main from Murinjapalam towards Kannammoola - Joint site inspection of the site by KWA officers and LA Tahsildar were conducted on 27.02.24 for assessing the land value. LA 11(1) LA in progress Final stage. Revised AS obtained in state plan 2021-22, - 2.36 Cr demanded. Remittance of 2.36cr completed in 3 phase. Balance AS amount for Rs.49.68Lakhs as per the revised demand from Spl. TahsildarAdministrative Sanction is obtained for this vide proceedings no. KWA-JB/4401/2024-AE1 PIU1 KWA-Part (2) dated 22.02.2025. Action is being taken to settle the matter. And land handed over to KWA . AS obtained for arranging the work under State Plan 22-23 and one work arranged and one tendered.This tendered work re-casted and placed under State Plan 2022-23, AS received and tendered. Agreement Executed and pipe supplied and work in progress -50% completed. Killi River Crossing permission obtained. River crossing pipe laying delayed due to rain and restarted the same on 29.01.2025. Work 58% completed. Four pile caps under construction. Work will be completed within 60 days. Box culvert work 100%completed. For another work 26% completed. No further progress in the work by the contractor after March 2024. The contractor steps back from contract. Recommended to terminate the work and arrange the work at risk and cost. But, now the contractor restarted the work and trial HDD done. Work will be completed within 30 days.
2.1.11	Procurement of sewercleaning machines and equipment maintenance	Kerala Water Authority	Mar2020	0	0		100	work completed
Solid Waste Management ActionPlan								
Sl.No	**Activity**	**Implementing Agency**	**Unit**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.1	Slaughter house and poultry waste	Thiruvananthapuram Corporation	Rendering plant	Slaughter house inaugurated on 30.08.2025.	Slaughter house inaugurated on 30.08.2025.	Slaughterhouse Kunnukuzhy- inagurated on 30/08/2025. Poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor.	93	Slaughterhouse Kunnukuzhy- inagurated on 30/08/2025. Poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor.
2.2.2	Sanitation facility and treat of waste water in the markets of Pangode, Kumarichanda		Treatment plant (2 Nos) Portable aerobic bins (4 Nos)	New project ,Approved by DPC Project no - 1835/26	New project, Approved by DPC Project no - 1835/26	New project, Approved by DPC Project no - 1835/26	100	New project, Approved by DPC Project no - 1835/26

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.3	Provide facility for the treatment of sewage, sullage and garbage generated in the Poonthura slum area between Karamana river and sea	Thiruvananthapuram Corporation	Aero bins at various places(28) Proposed sites 1. Moonnathumukku – Purampoku 2. Poonthura – HI Office 3. Cheriyanmuttam – Poonthura 4. Beemapally Compound 5. TsunamiColony 6. Mother Theresa Colony 7. KumariChantha 8. PoonthuraMarket 9. Moonnattumukku bridge 10. Ambalathara – Nilama 11. Fishermen Flat – Muttathara 12. Perunalli Market road 13. Poundkadavu old market 14. Market behind Attipra zonaloffice 15. Tsunami Colony near 110KV tower (Poundkadavu) 16. Near ValiyavilaVeli St. Thomas Church (Poundkadavu) 17. Near Kamalesshwaram HSS 18. Valiyaveetil Residence association 19. Near ArannoorGovt Quarters 20. Kunjalumoodu Junction 21. KumarapuramTha marabhagam (near comfortstation) 22. NaerKannammoola Bridge 23. Mannanthala Market 24. Santhi Nagar Residents association 25. AlantharaKattayil 26. UlloorMarket 27. Museum RKVRoad 28. New Nalantha Road	KWA has prepared DPR of sewer line to Poonthura Manikkavilakam Bheemapalli East and Thiruvallam area for an amount of Rs 88 Crs, AS not yet received.	KWA has prepared DPR of sewer line to Poonthura Manikkavilakam Bheemapalli East and Thiruvallam area for an amount of Rs 88 Crs, AS not yet received.	KWA has prepared DPR of sewer line to Poonthura Manikkavilakam Bheemapalli East and Thiruvallam area for an amount of Rs 88 Crs, AS not yet received.	50	Only 13 Locations work completed out of 28Nos. This area will be covered in the master plan for providing sewer line for the full capacity utilization of CSTP at Muttathara and by providing Decentralized STP where there is land availability- KWA
2.2.4	The discharge of waste water from the surrounding houses to the pond at Jagathy is to be stopped	Thiruvananthapuram Corporation	Pond de-silting Issued notices to thehousehold Project is prepared for de-silting the pond		Corporation has to take a solution for this, as this area is at low level and it is not possible to connect this to existing sewer network.	Corporation has to take a solution for this, as this area is at low level and it is not possible to connect this to existing sewer network.		Meeting was conducted on 30-07-21, convened by the Public Work Standing Committee Chairperson with KWA Officials, Tvpm Corporation officials and councillors ward to discuss this concern. This area will be covered in the master plan for providing sewer line for the full capacity utilization of CSTP at Muttathara and by providing Decentralized STP where there is land availability- KWA.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.5	Around 155 Houses in Kurukuvilak om, Kannettumukku shall be provided with septic and treatment system	Thiruvananthapuram Corporation					Dropped. When the full capacity utilization of CSTP at Muttathara shall be ensured, this area will be covered as it is situated along the banks of Karamana – Killiyar River - KWA.	Dropped. When the full capacity utilization of CSTP at Muttathara shall be ensured, this area will be covered as it is situated along the banks of Karamana – Killiyar River - KWA.
2.2.5	Identification of illegal outlets into storm water drains and fine shall be imposed on such units	Thiruvananthapuram Corporation	Fine imposed and prosecution initiated				2431810 lakhs fine collected from 2019 to till date	854570 fine collected from April 2024 to till date
2.2.6			Bio-Composter (No. 50,000)				Installed 51,557 bins in total. Tender invited for installation of 50000 bio compost bins. Proposal approved by the health standing committee. Proposal placed in the health standing committee and forwarded to purchase committee for negotiation done, placed before council. Out of which 21844 bins were distributed	82. Installed 73401 bins in total.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.7			Thumboormuzhi aerobic bins (No 154)				Total 154 locations Completed works (Total - 159 units) Santhikavadam - 3 units, Manathala - 3 units, ITI chackai – 11 bins Kalladimukham – 32 bins Neerazhi Market, Ulloor – 6 bins Thumba station kadavu – 4 units Womens college – 4 bins completed will be handovered soon. Sanskrithi College – 5 bins Near Peroorkada Market-35 Kamaleshwaram, Karamana PRS opposite, Cotton hill LPS ,Cotton hill HSS-25 Poojapura-10 Inside Pratheeksha flat- 16 Manvila Market-5 Work in progress Kuravankonam – 4 bins	65. Total 563 bins installed in 57 location.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.8	Biodegradable waste	Thiruvananthapuram Corporation	Community biogas (No. 12)	Out of total 20 nos under maintenance ,4 have been completed	Out of total 20 nos under maintenance ,9 have been completed	Out of total 20 nos under maintenance ,9 have been completed	Total 13 locations – Institutional Level. Work completed – 6 locations - Vanitha jail and Central jail, Poojapura - 100kg/day, Govt L P S, Kanjirampara - 100kg/day and Womens College, Vazhuthacaud - 500kg/day. Work at Law collage, Palayam - 500 Kg/day, University campus, Palayam - 500Kg/day and Govt. High school, Kulathoor – 100Kg/day. Ongoing Works are : Mental Hospital, Oolampara – 500 kg/day, General Hospital – 500 kg/day, DPI, Jagathy – 100 kg/day.Govt Panchakarma Hospital - 100 kg/day Remaining 2 sites will start soon.	65.35 nos installed, Only 13 in working condition
2.2.9			Organic Waste Converter (No. 1)	Dropped	Dropped	Dropped	Dropped	Dropped
2.2.10			Portable biogas (No. 200)	Dropped	Dropped	Dropped	Dropped	Dropped
2.2.11			Portable aero bins (No.100)				28 more units installed. Total 125 units installed - project completed	100. Project completed
2.2.12			Ring compost (No. 500)				Project implementation started. Installed 350 units. Rest of the bins will be installed soon. Action on going	78.Installed 350 units
2.2.13			Segregation bins (No. 1,00,000)				Dropped	Dropped.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.14			RRF (No. 7)				Total 2 locations. (i)Work in Manacaud site completed. Tendering activities for electrification are in progress. (ii)Kalladimugam RRF work completed. The operation will start soon.	100.Work completed
2.2.15			Plastic Recycling unit (No. 1)	Site not yet identified. Project dropped	Site not yet identified. Project dropped	Site not yet identified. Project dropped	Site not yet identified. Project dropped	Site not yet identified. Project dropped
2.2.16			Mobile MRF (No. 5)	Dropped	Dropped	Dropped	Project dropped	Dropped
2.2.17			Electronic Weigh bridge (No. 1)	Dropped	Dropped	Dropped	Project dropped	Dropped
2.2.18			Solar electrical cart (No. 25)				Work completed.	100.Work completed
2.2.19			Swaps shops (No. 4)				Work completed. Revised estimate approved by council.	98.Work completed. Revised estimate approved by council. Final part bill will be issued soon
2.2.20			PET bottle crushing (No. 15)	Dropped	Dropped	Dropped	Project dropped	Project dropped
2.2.21			Community level unit Napkin destroyer (No. 102)				During Trail run the unit is found to be incompetent 158 Nos purchased and installed at various locations	158 Nos purchased and installed at various locations
2.2.22		Thiruvananthapuram Corporation	Animal Crematorium at Kattela	Dropped	Dropped	Dropped	Project dropped	Project dropped
2.2.23		Thiruvananthapuram Corporation	Urban Gardening	Dropped	Dropped	Dropped	Project dropped	Project dropped
2.2.24		Thiruvananthapuram Corporation	Upgradation of present facilities				Completed.	100.Completed
2.2.25		Thiruvananthapuram Corporation	Capacity Building & IEC				A training programme was conducted for HI/JHI on 2023 September 23,24 and 2024 January 22,23,24,25	A training programme was conducted for HI/JHI on 2024 January 22,23,24,25 &2024 September 23,24 .
2.2.26		Thiruvananthapuram Corporation	Viability gap Fund				Issue of Seventh phase of VGF to Haritha Karma Sena completed	Nil

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.2.27	Prevent entry of storm water into sewer line along with KWA	Thiruvananthapuram Corporation	KWA is authorized to prepare and implement proper sewerage lines under Amrut scheme				Close monitoring is done by health Squad and all Health Inspectors are directed to issue notice and prosecution.	Close monitoring is done by health Squad.
2.2.28	Take steps to prevent the solid wastes in sewer line as reported by KWA	Thiruvananthapuram Corporation	Squad andFines Special squad is formed at Corporation level. Health Inspectors are authorized for regularly monitoring and preventing the wastedischarge	Corporation collected an amount of Rs.7801701- as fine from April 2024 to August 2025	Corporation collected an amount of Rs.8451951- as fine from April 2024 to October 2025	Corporation collected an amount of Rs.9165118/-- as fine from April 2024 to October 2025	Employees were placed at various spots during night to prevent dumping of solid waste in drains and fines are being charged. Regarding to waste throwing to public places Corporation collected an amount of Rs 25024000/- as fine from 01.01.2022.	Employees were placed at various spots during night to prevent dumping of solid waste in drains and fines are being charged. Regarding to waste throwing to public places Corproation collected an amount of Rs.3786881/- as fine from April 2024 to November 2024
Monitoring								
	Activity	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2.3.1	River water quality monitoring - Killiyar, Karamana, Parvathiputhanar, Akkulam-Veli lake	Kerala State Pollution Control Board	Ongoing; monthly					1 Establishment of real time water quality monitoring station is going to install in Karamana river 2 Work order has been issued to acess nano technology private Ltd.
2.3.2	Storm drains monitoring - Amayizhanchan thodu, Ulloorthodu, Pattom thodu, Kannamoola thodu, Thekkanakkara canal	Kerala State Pollution Control Board	Ongoing Seasonal monitoring – pre- monsoon, monsoon, post- monsoon					Monitoring going on
2.3.3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc in Thiruvananthapuram Corporation area	Kerala State Pollution Control Board	Ongoing Interval: Red – 1 month. Orange – 3 m. Green – 6 m.					

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing sewerage network								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
2. Long termPlan								
Sewerage network								
	Long term measures proposed	**Implementing agency**	**Amount Required (Rs. in Crore)**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
3.1.1	Extension of sewerage system to Block F to G coastal belt	Kerala Water Authority	200					Consultant appointed for preparing Detailed Project Report for uncovered wards of the Thiruvananthapuram Corporation and Rehabilitation of existing system was terminated from the contract due to breach of contract by the firm vide Proceedings No.KWA/SE/SEW/EOI/REPL/338/2020-2021 of theSuperintending Engineer,Sewerage Circle, KeralaWater AuthorityThiruvananthapuram dated 31.05.2022 to arrange the balance work at their risk and cost. As directed in the Chief Secretary, GoK's meeting dated 21/06/2022 to do the Preparation of DPRs internally, action taken accordingly. Meanwhile the terminated firm M/s REPL filed a complaint
3.1.2	Extension of sewerage system to Block H to R	Kerala Water Authority	700					
3.1.3	Extension of sewerage system to Newly added areas of corporation viz,	Kerala Water Authority	300					
3.1.4	Providing sewerage system in Block A to E	Kerala Water Authority	100					
3.1.5	Rehabilitation of existing Network and pump house in block A toE	Kerala Water Authority	100					

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
3.1.6	Procurements of equipments for maintenance seweragesystem	Kerala Water Authority	10					against KWA in the Hon'ble High court of Kerala (WP(C) No 26031 of the year 2022) and obtained a stay against KWA at first up to 22.08.22 which is then got extended up to 14.09.22 against taking any coercive actions. DPR preparation of sewerage system to the uncovered areas of TMC is now being carried out internally by KWA. The total wards were divided in to 10 clusters. Cluster 1 comprises of 5 wards Attukal, Kalady, Kallipankulam, Ambalathara and kamaleswaram wards – The DPR for 3.1.7 Additional STP requirementCluster 1 was submitted on 13/10/2022 for AS.Later as per the direction of Secretary Thiruvananthapuram Corporation the DPR for Cluster 1 was revised including Zone 1&5 for Rs.91.00Cr and Zone 3&4 for Rs.66.50Cr and was submitted to Corporation on 28.12.2023 for getting AS under UIDF. AS received for thesetwo works and workstendered. As the two bidders who quoted for the Tender of Cluster 1 (ZONE-III Kalady Part) &(ZONE-IV AttukalPart) was disqualified, the tender was cancelled and action is being taken to retender the work. In case of Cluster zone I&V also the two bidders who quoted the tender were disqualified and action is being taken to recast the estimate of these two UIDF works.Cluster 3, which was originally consisting of Thiruvallam, Poonkulam and Vellar is the second in the priority list and was taken up. This Cluster is then modified by adding more wards and is divided into 3 zones. Zone 1 of cluster 3 is consisting of Puthenpally and Part of Muttathara (until STP) was taken up on priority based on the demand of Thiruvananthapuram Corporation. DPR of Cluster 3 Zone 1, Puthanpalli ward for 1.5 MLD confirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham,Vettucaud, Vallakadavu,Beemapalli (part),Beemapalli East (part),Valiyathura and Kadakampally is under preparation. DPR for Cluster 3 Zone1&3 revised and is under scrutiny for submitting the same to Corporation for getting AS under UIDF.Sewerage network with 5 year O&M and without centage submitted to Corporation under AMRUT2.0 on 11/1/23.The DPR of Cluster 3 Zone 2 and Zone 3 is prepared and submitted on 21.01.2023.The DPR for cluster 2 submitted on 27.02.2023 and is verified and kept in Shelf. The DPR for cluster 4 (Thirumala Thrikkannapuram and Punnakkamughal wards) is prepared and submitted on 30.03.2023.As suggested for identifying Corporation/Govt. lands for the collection well and STP proposed is being done and after obtaining sanction of the puramboke land identified there will be changes in the design network and action will be taken to revise the estimate accordingly. DPR for Cluster IX(priority wards (Vizhinjam and Harbour area) completed and submittedon 29.09.2023. Land for STP identified and theconfirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham,Vettucaud, Vallakadavu,Beemapalli(part),Beemapalli East (part),Valiyathura andKadakampally is under preparation. DPR forCluster 3 Zone 1&3 revised and is under scrutiny for submitting the same to Corporation for getting AS under UIDF.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
3.1.7	Additional STP requirement	Kerala Water Authority	60					
3.1.8	Total Amount required	Kerala Water Authority	5000CR					
Solid wastemanagement								
	Long term measures proposed by Thiruvananthapuram Corporation	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
3.2.1	Acquire 58 acres of land and rehabilitate 8150 families from the banks ofRiver	Thiruvananthapuram Corporation	5 years	Project Dropped	Project Dropped	Project Dropped	Project Dropped	Dropped
De-silting and development								
No.	**Activity**	**Implementing agency**	**Timeline**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
3.3.1	Development package for Parvathy Puthanar	Irrigation department Included in KIFB by KWIL includes cleaning of canal	3 years					Phase I (First half) removal of water hyacinth completed Veli to Kadinamkulam Kayal (Ch 16.00 to Ch27.00).Executed by Inland Navigation . Aakkulam to Monnattumukku cleaning works 100% compledted- by KWIL - for an amount of 45 Lakhs (3 Months) Now department work is started for clearing.
3.3.2	De-silting and development of Amayizhanchan Thodu	Irrigation Department	1.5 years				100	On going
3.3.3	Improvements to Thekkenekara canal and de-silting-	Irrigation Department	1 year				20	Flood mitigation work completed
3.3.4	Karimadam tank improvements, de-silting sheet piling/under preparation and providing fencing	Irrigation Department	1.5 years	0		20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.	20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.	20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.
3.3.5	Development of Karamana basin	Irrigation Department	1.5 years					Desiltation of river completed. E-flow statement is submitted

ANALYSIS REPORT OF RIVERS INCLUDED IN THE LIST OF PRS-2022 FOR THE MONTH OF NOVEMBER 2025

SL NO	PARAMETER	RIVER-NEYYAR		RIVER- KARAMANA		RIVER- MAMOM	RIVER- AYIROOR	RIVER- VAMANAPURAM
		Amaravila	Aruvippuram	Aruvikkara	Moonnattumukku	Mamom	Ayiroor	Vamanapuram
1	Temperature, 0°C	29	29	29.5	29	30	29	29
2	Dissolved Oxygen, mg/l	7	7.7	6.6	0.1 (BDL)	7.2	7.3	6.8
3	pH	6.7	6.8	6.6	6.9	6.7	6.9	6.7
4	Conductivity, µmhos/cm	112	106	64	795	123	133	88
5	BOD, mg/l	0.5 (BDL)	1.2	0.4	7.9	1 (BDL)	0.7 (BDL)	0.3 (BDL)
	Nitrate-N, mg/l	2.9	2.6	0.4	17.9	3.6	4.9	2.2
7	Turbidity, NTU	1.1	1.1	1.1	3.7	1 (BDL)	1.1	1 (BDL)
8	Phenolphthalein Alkalinity, mg/l	0 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)	5 (BDL)	5 (BDL)	5 (BDL)
9	Total Alkalinity, mg/l	20 (BDL)	28	20 (BDL)	144	28	28	20 (BDL)
10	Chloride, mg/l	24	20	12	164	28	24	20
11	COD, mg/l	4.2 (BDL)	4 (BDL)	4.2 (BDL)	72	4 (BDL)	4 (BDL)	5.2
12	TKN, mg/l	0.8 (BDL)	1.4 (BDL)	0.32 (BDL)	27	1.5 (BDL)	1.9	1.2 (BDL)
13	Ammoniacal-N, mg/l	0.0 (BDL)	0.0 (BDL)	0.0 (BDL)	9.7	0.0 (BDL)	0.0 (BDL)	0.0 (BDL)
14	Hardness as CaCO3, mg/l	20	32	20	144	32	32	20
15	Calcium as CaCO3, mg/l	12	20	12	100	20	20	16
16	Magnesium as CaCO3, mg/l	8	12	8	44	12	12	4 (BDL)
17	Sulphate, mg/l	2.3 (BDL)	2.3 (BDL)	1.9 (BDL)	22.2	3.4 (BDL)	5.5	1.8 (BDL)
18	Calcium (Ca2+), mg/l	4.81	8.02	4.81	40.08	8.02	8.02	6.41
19	Magnesium (Mg2+), mg/l	1.944	2.916	1.944	10.692	2.916	2.916	0.972
20	Sodium, mg/l	15.5	12.3	7.6	85.1	15.1	16.3	12.3
21	Total Dissolved Solids, mg/l	82	80	45	524	98	101	67
22	Total Fixed Solids, mg/l	46	42	27	215	41	49	37
23	Total Suspended Solids, mg/l	11	10 (BDL)	10 (BDL)	104	18	16	15
24	Phosphate, mg/l	0.0653 (BDL)	0.0473 (BDL)	0.1035 (BDL)	0.6413	0.054 (BDL)	0.0675 (BDL)	0.563
25	Boron, mg/l	0.00 (BDL)	0.01 (BDL)	0.00 (BDL)	0.5 (BDL)	0 (BDL)	0 (BDL)	0 (BDL)
26	Potassium, mg/l	7.3	5.2	2.1	32.6	8.1	5.6	3.5
27	Fluoride, mg/l	0.01 (BDL)	0.00 (BDL)	0.01 (BDL)	0.5	0.01 (BDL)	0.01 (BDL)	0.01 (BDL)
28	Total Coliform, MPN/100 ml	1200	1700	410	20000	630	700	630
29	Fecal Coliform, MPN/100 ml	630	700	130	13000	170	410	250
30	Fecal Streptococcus, MPN/100 ml	0 (BDL)	0 (BDL)	0 (BDL)	10	0 (BDL)	0 (BDL)	0 (BDL)
31	% SODIUM	53.5	40.9	42.2	49.9	43.7	47.5	52.2
32	SAR	1.50	0.94	0.73	3.08	1.15	1.24	1.19

STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2025							
Analysis Report for the month of November- 2025							
Name of River		KARAMANA					
Date and Time of Sample collection		03-11-2025					
Method of analysis							
Sl no.	Parameters	SAMPLE ID					
		Peppara	Aruvikkara	Mangattukadavu	Pallathukadavu	Thiruvallom	Moonnattumukku
1	Temperature (°C)	28.5	29.5	30	29.4	30	29.2
2	Dissolved O2 (mg/L)	7.2	6.6	6.8	4.7	4.1	0.1
3	pH	7.6	6.6	6.6	6.8	6.9	6.9
4	Conductivity (µmho/Cm)	58	64	126	185	412	795
5	BOD (mg/L)	0.3	0.4	1.4	1.1	1.4	7.9
6	Nitrate - N (mg/L)	0.3	0.4	3.9	3.4	7.1	17.9
7	Turbidity (NTU)	1.1	1.1	1.2	1.1	1.6	3.7
8	Total Alkalinity (mg/L)	20	20	36	48	80	144
9	Chlorides (mg/L)	10	12	24	28	64	164
10	Ammonical N (mg/L)	0	0	0	0.3	0.5	9.7
11	Total Hardness (mg/L)	16	20	36	44	100	144
12	Ca as CaCo3 (mg/L)	8	12	24	32	80	100
13	Mg as CaCo3 (mg/L)	8	8	12	12	20	44
14	Sulphate (mg/L)	0.1	1.9	2.4	2.2	13.8	22.2
15	Sodium (mg/L)	6.1	7.6	13.2	19.5	40.4	85.1
16	Measured TDS (mg/L)	39	45	98	117	264	524
17	Total Phosphate (mg/L)	0.0229	0.1035	0.0697	0.1305	0.099	0.6413
18	Boron (mg/L)	0	0	0.01	0.01	0.03	0.5
19	Potassium (mg/L)	2.8	2.1	4.3	4.9	16.3	32.6
20	Total Coliform (MPN/100ml)	240	410	1100	630	1200	20000
21	Fecal Coliform (MPN/100ml)	110	130	720	280	930	13000
22	SAR	0.66	0.73	0.96	1.29	1.76	3.08

04/12/2025

ASSISTANT ENVIRONMENTAL SCIENTIST

		PAMBA						
	Activity	**Implementing agency**	**Progress in the month of August 2025**	**Progress in the month of September 2025**	**Progress in the month of OCTOBER 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
A(a)	No industries							
A(a)	Monitorng of river water quality	Kerala State Pollution Control Board	Continuing	Continuing				
C(ii)	Establishment of de-centralized solid waste treatment facility	Mannar Panchayat	No new project taken	No new project taken	No new project taken	No new project taken	na	Na
		Niranam Panchayath	521 biocomposter bin issued to households and 15 compost pit constructed for house holds and 3 compost pit constructed for public	521 biocomposter bin issued to households and 15 compost pit constructed for house holds and 3 compost pit constructed for public	No new project taken	No new project taken. Niranam Gramapanchayath is an upper kuttanad area, so no such dry land suitable for solid waste treatment plant is avilable	na	na
		Kadapra Panchayath	The Panchayat has resloved to identify all polluting invloved in pollution of river resources and iniation of penal against them	The Panchayat has resloved to identify all polluting invloved in pollution of river resources and iniation of penal against them	No new project taken. The Panchayat has resloved by identifying all sources invloved in the pollution of river and iniatiate to fine against them	No new project taken. The panchayath has resolved to identify all polluting involved in pollution of river resources and iniation of penal against them	na	na
C	Establishment of Material Collection Facility	Mannar Panchayat	Civil work completed	Civil work completed	Civil work completed. Floor completed	Civil work completed.	80%	ELECTRIFICATION
		Niranam Panchayath	MCF construction completed. 13 mini MCF completed in all wards	MCF construction completed. 13 mini MCF completed in all wards	MDF construction completed. 13 mini MCF implemented in alll wards.	MDF construction completed. 13 mini MCF implemented in alll wards.	na	na
		Kadapra Panchayath	Material Collection Facility is fully functional in Kadapra Grama Panchayath	Material Collection Facility is fully functional in Kadapra Grama Panchayath	Material Collection Facility is fully functional in Kadapra Grama Panchayath	Material Collection Facility is fully functional in Kadapra Grama Panchayat	100%	
C	Resource Recovery Facility	Mannar Panchayat	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH
		Niranam Panchayath	No RRF. PLASTIC WASTE COLLECTED BY HARITHA KARMASENA IS TRANSFERREDTO CKCL	No RRF. PLASTIC WASTE COLLECTED BY HARITHA KARMASENA IS TRANSFERREDTO CKCL	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH. Necessary instructions are given to all offices and institutions to striclty comply with the green protocol and is regularly monitored.	na	na

		Kadapra Panchayath	Resource Recovery Facility due to non availability of space	Resource Recovery Facility due to non availability of space	Resource Recovery Facility due to non availability of space. NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH. Resource Recovery Facility due to non-availability of space.	Resource Recovery Facility due to non availability of space. NO RRF IN PANCHAYATH	
C	Installing household and community level solid waste management units	Mannar Panchayat	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION	Plastic waste and E waste Collection	Plastic waste and E waste Collection	100%	0%
C	Door to door collection and transportation of municipal solid waste	Mannar Panchayat	User feec ollection 76.15%	User feec ollection 76.15%	User feec ollection 76.94%	User feec ollection 76.94%	77%	23%
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Parumala Town	Kadapra Panchayat	The Panchayat considered that sewage treatment plants currently not need with in Panchayat area around Parumala	The Panchayat considered that sewage treatment plants currently not need with in Panchayat area around Parumala	The Panchayat considered that sewage treatment plants currently not need with in Panchayat area around Parumala	The Panchayath considered that sewage treatment plants are currently not neeed with in Panchayath area around Parumala.		
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Mannar Town	Mannar Panchayat	All house hold toilets have individual septic tank and no outlets to pamba river	All house hold toilets have individual septic tank and no outlets to pamba river	Projects has to be taken. All house hold toilets have individual septic tank and no outlets to pamba river	Project has to be taken	All house hold toilets have individual septic tank and no outlets to pamba river	All house hold toilets have individual septic tank and no outlets to pamba river
C	Construction of compound wall with fencing	Irrigation department	Fencing work completed,compound wall work estimate submitted for fund allotment	Fencing work completed,compound wall work estimate submitted for fund allotment	Fencing work completed,compound wall work estimate submitted for fund allotment	Fund to be allotted for the purpose.	Fencing work completed,compound wall work estimate submitted for fund allotment	
C	Removing light jungle and muddies from river courses	Irrigation department	Work ongoing	Work ongoing	Work ongoing	Fund to be allotted for the purpose.	2%	
C	Electrical-Light arrangements and Surveillance cameras	Irrigation department	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the purpose.	NA	
C	Regualting activites in flood plain zone, protection and management of flood plain zone	Irrigation department	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the purpose.		
	Greenery developmentPlantation plan. Plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment	Irrigation department	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the purpose.		
C (b) (ii)		Mannar Panchayat	100% Green protocol has implemented in in public offices.	100% Green protocol has implemented in in public offices.	100% Green protocol has implemented in in public offices.	100% Green protocol has implemented in in public offices.		

	Green Protocol implementation in all Offices institution & Public function	Niranam Panchayath	green protocol is strictly impleneted among all offices	all public offices are following green protocol completely	100% . All public offices are completely following green protocol	100%. Green protocol has implemented in public officers Kadapra Grama Panchayat		
		Kadapra Panchayath	Green protocol implemented among all the offices and public function	Green protocol implemented among all the offices and public function	Green protocol implemented in all offices and public function	Green protocol implemented in all offices and public function	100%	
D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department	Study conducted and DPR submitted to CE'S office	Study conducted and DPR submitted to CE'S office	Study conducted and DPR submitted to CE'S office	Study conducted and DPR submitted to CE'S office		
D (b)	Irrigation practices	Irrigation department	Routine procedures are following to avoid river pollution	Routine procedures are following to avoid river pollution		Routine procedures are following to avoid river pollution		
E	Awareness programmes for sections of public	Kerala State Pollution Control Board	Awareness programme conducted during sabarimala festival season through NSS volunteers	Awareness programme conducted during sabarimala festival season through NSS volunteers				
C	Management of municipal, plastic, hazardous, biomedical and electrical waste	LSGD	Plastic waste & E-waste are collected by Harithakarmasena	Plastic waste & E-waste are collected by Harithakarmasena	Plastic waste & E-waste are collected by Harithakarmasena	Plastic waste & E-waste are collected by Harithakarmasena		Plastic is collected by harithakarmasena every month & e-waste once in a year.
		ACTION BY GROUND WATER DEPARTMENT						
Sl. No.	**Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018**	**Activity**	**Progress in the month of august 2025**	**Progress in the month of september2025**	**Progress in the month of OCTOBER 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	NOC has not been issued to industries for Ground Water extraction during august 2026	NOC has not been issued to industries for Ground Water extraction during septmber2026	NOC has not been issued to industries for Ground Water extraction during October 2025	NOC has not been issued to industries for Ground Water extraction during November 2025	Demand Based	1.As per the GEC estimation all the blocks in the District has been categorized as SAFE. 2.Provisions of GW (control &Regulation) Act 2002 is implementing strictly for regulating extraction of GW resource in the district

2	B(ii)	Ground water recharging / rain water harvesting	Estimate for Implementation of ARS at 4 sites has been prepared and sent for Technical Sanction	Estimate for Implementation of ARS at 4 sites has been prepared and sent for Technical Sanction.	Estimate for Implementation of ARS at 4 sites has been prepared and sent for Technical Sanction.	ARS at 4 sites Ranni Technical Sanction ontained & work tendered. Feasibility for new 5 sites at Ranni found & estimate under preperation	100%	All the blocks in the district is categorized as SAFE as per GEC estimation. Kadapra-Niranam Area is not feasible for Ground Water Recharge. However, GW recharging programme is taken up in some pockets in the midland area including Manimala basin. Where seasonal GW level fluctuation is noticed.
3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) i n the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.	Periodic assesment (Regular programme) Chemical analysis result of groundwater samples received from analytical lab. Trivandrum upto December 2023	(i)Maintaining a network of observation wells in various hydrogeomorphic units throughout the district from which water level and water samples have been collected periodically and analysed. (ii)generally groundwater quality is good and potable
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. iii) Awareness Programme organised to the public to adopt rainwater harvesting measures.	1) Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the feasibility report of GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. iii)Awareness programmes organised to the public to adopt rainwater harvesting measures

Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (November-2025)																
Sl.No	Name of Drain	Parameters														
		pH			Electrical Conductivity(µS/cm)			BOD(mg/l)			TC(Nos/100ml)			FC		
	Months	SEPT	OCT	NOV	SEPT	OCT	NOV	SEPT	OCT	NOV	SEPT	OCT	NOV	SEPT	OCT	NOV
1	Parumala Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	MannarTown Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Kuriyathkadavu Thodu	8.9	8.5	8.7	127.1	158.9	133.9	11.3	4.8	4.03	2800	2000	1800	1800	1200	700
4	KaruvelilThodu	8.8	8	8.5	57	92.67	161.5	1.5	3.6	1.25	9800	NIL	900	2400	NIL	500
5	Nochithodu	8.2	8.1	8.3	48.83	90.59	158.3	2	5.8	2.11	6600	NIL	1600	1800	NIL	600
6	Pattaparambil Thodu	7.9	7.7	8.4	37.7	64.83	52.12	2.1	4.4	0.26	5400	400	200	3000	200	100
7	Kappiyarissery Thodu	7.8	7.7	8.1	43.7	67.76	102.7	4.2	2.4	2.4	6000	600	1000	1200	200	500
8	Kombankery Thodu	7.7	7.4	8.1	36.29	66.22	61.52	2.1	2.7	1.58	4400	200	1200	2000	100	700
9	Perackalthodu	7.8	7.5	8	67.58	77.99	62.64	2.3	1.5	1.58	4000	200	1000	2600	100	300
10	Erathodu	7.8	7.7	7	39.59	39.74	160.7	2.5	0.8	0.53	3600	3200	400	2000	400	100
11	Kolarayaru	7.7	7.6	NIL	36.82	48.99	NIL	2.9	2.7	NIL	3400	400	NIL	2600	200	NIL

ACTION PLAN FOR RIVER MANIMALA, KERALA									
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of August 2025**	**Progress in the month of September 2025**	**Progress in the month of October 2025**	**Progress in the month of November 2025**	**% works completed**	**Details of works remaining**
A(a)	Monitorng of river water quality	Kerala State Pollution Control Board	Continuing project					100%	Nil
A(b)	Rendering Plant at Eraviperoor or Thiruvalla	Eraviperoor/ Thiruvalla local body	31.03.2021	NIl	Nil	15 TPD capacity rendering plant functioning at Pallickal (Green Tech)			Work to be initiated
C(ii)	Fencing of bridges, desilting, dredging and protection works, surveillance cameras at vantage points	Irrigation department	31.03.2021	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	0%	Work to be initiated Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment
C	Preventing illegal discharge of septage and other waste water into the river. Formation of River Protection Group	Panchayath, Police , KSPCB	31.05.2020.					0%	Work pending due to COVID pandemic
C	Greenery developmentPlantation on both sides of the river, setting up biodiversity parks in flood plains and removing encroachment	Irrigation department in association with panchayath	31.03.2021	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	0%	Yet to be intiated Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment
C(b)(ii)	Green Protocol implementatio n in all offices, institution & public functions	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	31.03.2020	Puramattom Implemented	Puramattom Implemented	Puramattom Implemented		100%	0
D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department, Hydrographic survey department	31.03.2021	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal		Work to be initiated Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment
C(ii)	Establishment of decentralized solid waste treatment facilities	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	31.12.2020	ongoing	ongoing	ongoing		100%	0
C	Installing household & community level solid and domestic sewage waste management	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	31.12.2020	On going	ongoing	ongoing		NA	NA

C	Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Revcovery Facilities (RRF)	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	31.12.2020	Door collection 100% Door collection 100%-Kaviyoor GP Door to door collection 100% in Eraviperoor GP Door to door collection 100% in Kuttoor Gp	ongoing	ongoing		NA	NA
ACTION BY GROUND WATER DEPARTMENT									
Sl. No	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Timeline	**Progress in the month of August 2025**	**Progress in the month of September 2025**			% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	31.03.2021	NIL	NIL	NIL		NIL	NIL
2	B(ii)	Ground water recharging / rain water harvesting in Govt offices	31.03.2021	NIL	NIL	NIL		NIL	NIL
3	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	31.03.2021	NIL	NIL	NIL		NIL	NIL

ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND THONDRA
November- 2025

SI NO	BOTTLE NO.	Name of Drains	PH	BOD	TC	FC
1	TK1	Panayampalathodu	7.1	0.14	400	100
2	TK2	PadathupalamThodu	7.2	2.16	1200	800
3	TK3	Thottappuzha	7	0.84	500	100
4	TK4	Kuttapuzha under Kattodubridge	7.5	2.21	1200	700
5	TK5	Kadavumbara	7.3	0.19	800	200
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	7.4	0.05	200	100
8	TK8	Komalamthodu	7.5	0.53	400	100
9	TK9	Vennikulam Valiyathodu	7.4	0.82	400	200
10	TK10	Paduthodu	7.3	0.43	200	100
11	TK11	Mallappally Valiyathodu	7.2	1.01	1000	500

POLLUTED RIVER STRETCH MONITORING PROGRAM
(NOVEMBER 2025)

Station Name		KALPATHYPUZHA AT KALPATHY												
Type of Water body		RIVER												
Completed by		DO, PALAKKAD												
Agency		Kerala State Pollution Control Board												
1	Station Code	3	4	6	0									
2	Date and time of sample taken (DD/MM/YY, HH/MM)	11/14/2025												
		1	0	:	0	0								
3	Weather	Cloudy √			Clear			Windy			Raining			
4	Approximate depth of main stream	< 50 cm			50 – 100 cm			>100 cm√			Flood			
5	Color & Intensity	Clear √			Turbid			Green			Brown			
		1 = Light			2 = Moderate √			3 = High						
6	Odour	None √			Fishy			H_2S			Other			
7	Floating Matter	Floating Algae			Floating sludge			Oil & Grease			Water Hyacinth			
8	Visible effluent discharges in proximity	Industrial			Municipal sewage √			None						
9	Human activities around the station	Cattle wading √			Tourism spot			Fishing		Bathing √			Other	
10	Location details	U/s of town or industrial area √			D/s of town or industrial area			Pilgrim center/Bathing Ghat/Water intake√					None	
11	Flow rate	m^3/s												
12	Major polluting source	Industrial effluent			MSW √		PW√	None			Other			
13	Uses of water in downstream	Irrigation√			Drinking water source √					Fishing			Domestic	
		Organized water source					Cultivation	Bathing Ghat			Others			

Sl.No	Determinant	Value
1	Temperature, ^0C	27
2	Dissolved Oxygen, mg/l	6
3	pH	7.9
4	Conductivity, µmhos/cm	826
5	BOD, mg/l	1.5
6	Nitrate-N, mg/l	0.8
7	Turbidity, NTU	BDL
8	Phenolphthalein Alkalinity, as $CaCO_3$ mg/l	BDL
9	Total Alkalinity, as $CaCO_3$ mg/l	294
10	Chloride, mg/l	119
11	COD, mg/l	10
12	TKN, mg/l	BDL
13	Ammoniacal-N, mg/l	BDL
14	Hardness, as $CaCO_3$ mg/l	288
15	Calcium, as $CaCO_3$ mg/l	100
16	Magnesium as $CaCO_3$, mg/l	188
17	Sulphate, mg/l	45
18	Calcium (Ca^{2+}), mg/l	40.08
19	Magnesium (mg^{2+}), mg/l	45.68
20	Sodium, mg/l	75
21	Total Dissolved Solids, mg/l	537
22	Total Fixed Solids, mg/l	340
23	Total Suspended Solids, mg/l	BDL
24	Phosphate, mg/l	BDL
25	Boron, mg/l	BDL
26	Potassium, mg/l	12
27	Fluoride, mg/l	0.3
28	Total Coliform, MPN/100 ml	39000
29	Fecal Coliform, MPN/100 ml	12000
30	Fecal streptococci , MPN/100 ml	5200
31	% Sodium	34.97
32	SAR	1.92

POLLUTED RIVER STRETCH MONITORING PROGRAM
(NOVEMBER 2025)

Station Name		RIVER KORAYAR AT KANJIKODE
Type of Water body		RIVER
Completed by		DO, PALAKKAD
Agency		Kerala State Pollution Control Board
1	Station Code	2 3 2 6
2	Date and time of sample taken (DD/MM/YY, HH/MM)	11/14/2025 1 1 : 3 5
3	Weather	Cloudy √ / Clear / Windy / Raining
4	Approximate depth of main stream	< 50 cm / 50 – 100 cm √ / >100 cm / Flood
5	Color & Intensity	Clear √ / Turbid / Green / Brown 1 = Light / 2 = Moderate √ / 3 = High
6	Odour	None √ / Fishy / H_2S / Other
7	Floating Matter	Floating Algae√ / Floating sludge / Oil & Grease / Water Hyacinth√
8	Visible effluent discharges in proximity	Industrial / Municipal sewage / None √
9	Human activities around the station	Cattle wading √ / Tourism spot / Fishing / Bathing √ / Other
10	Location details	U/s of town or industrial area / D/s of town or industrial area √ / Pilgrim center/Bathing Ghat/Water intake / None
11	Flow rate	m^3/s
12	Major polluting source	Industrial effluent / MSW / PW / None √ / Other
13	Uses of water in downstream	Irrigation√ / Drinking water source √ / Fishing / Domestic Organized water source / Cultivation / Bathing Ghat / Others

Sl.No	Determinant	Value
1	Temperature, ^0C	26
2	Dissolved Oxygen, mg/l	7.8
3	pH	7.8
4	Conductivity, µmhos/cm	971
5	BOD, mg/l	4.4
6	Nitrate-N, mg/l	1
7	Turbidity, NTU	BDL
8	Phenolphthalein Alkalinity, as $CaCO_3$ mg/l	BDL
9	Total Alkalinity, as $CaCO_3$ mg/l	330
10	Chloride, mg/l	185
11	COD, mg/l	25
12	TKN, mg/l	BDL
13	Ammoniacal-N, mg/l	BDL
14	Hardness, as $CaCO_3$ mg/l	330
15	Calcium, as $CaCO_3$ mg/l	166
16	Magnesium as $CaCO_3$, mg/l	164
17	Sulphate, mg/l	56
18	Calcium (Ca^{2+}), mg/l	67
19	Magnesium (mg^{2+}), mg/l	40
20	Sodium, mg/l	107
21	Total Dissolved Solids, mg/l	632
22	Total Fixed Solids, mg/l	392
23	Total Suspended Solids, mg/l	BDL
24	Phosphate, mg/l	BDL
25	Boron, mg/l	BDL
26	Potassium, mg/l	13
27	Fluoride, mg/l	0.3
28	Total Coliform, MPN/100 ml	40000
29	Fecal Coliform, MPN/100 ml	30000
30	Fecal streptococci , MPN/100 ml	5120
31	% Sodium	40.17
32	SAR	2.56

NATIONAL WATER QUALITY MONITORING PROGRAMME (NWMP)

Station Name		KARUVANNUR												
Type of Water body		RIVER												
Completed by		DO, THRISSUR												
Agency		KERALA STATE POLLUTION CONTROL BOARD												
1	Station Code	2	2	8	9									
2	Date and time of sample taken (DD/MM/YY, HH/MM)	0	8	1	0	2	0	2	5			11	35	AM
3	Weather	Cloudy		Clear✓			Windy			Raining				
4	Approximate depth of main stream	< 50 cm		50 – 100 cm			>100 cm✓			Flood				
5	Color & Intensity	Clear✓		Turbid			Green			Brown				
		1 = Light✓		2 = Moderate			3 = High							
6	Odour	None✓		Fishy			H2S			Other				
7	Floating Matter	Floating		Floating sludge			Oil & Grease			Water Hyacinth				
8	Visible effluent discharges in proximity	Industrial		Municipal sewage			None							
9	Human activities around the station	Cattle wading		Farming ✓			Fishing✓		Bathing✔			Other✓		
10	Location details	U/s of town or industrial area		D/s of town or industrial area✔			Pilgrim center/Bathing Ghat/Water intake					None		
11	Flow rate													
12	Major polluting source	Industrial effluent		MSW✓		PW	None			Other✔				
13	Uses of water in downstream	Irrigation✔		Drinking water source			Fishing✓			Domestic✔				
		Organized		Cultivation✓			Bathing			Others✓				

Sl.No	Determinants	Values
1	**Temperature, 0C**	31
2	**Dissolved Oxygen, mg/l**	8.5
3	**pH**	7.83
4	**Conductivity, µmhos/cm**	77.7
5	**BOD, mg/l**	0.5
6	**Nitrate-N, mg/l**	0.3
7	**Turbidity, NTU**	3
8	**Phenolphthalein Alkalinity, mg/l**	BDL
9	**Total Alkalinity, mg/l**	6
10	**Chloride, mg/l**	12
11	**COD, mg/l**	8
12	**TKN, mg/l**	0.336
13	**Ammoniacal-N, mg/l**	BDL
14	**Hardness as CaCO3, mg/l**	13
15	**Calcium as CaCO3, mg/l**	8
16	**Magnesium as CaCO3, mg/l**	5
17	**Sulphate, mg/l**	1.2
18	**Calcium (Ca2+), mg/l**	3.206
19	**Magnesium (Mg2+), mg/l**	1.215
20	**Sodium, mg/l**	9
21	**Total Dissolved Solids, mg/l**	44
22	**Total Fixed Solids, mg/l**	33
23	**Total Suspended Solids, mg/l**	BDL
24	**Phosphate, mg/l**	0.03
25	**Boron, mg/l**	BDL
26	**Potassium, mg/l**	1.95
27	**Fluoride, mg/l**	0.01
28	**Total Coliform, MPN/100 ml**	300
29	**Fecal Coliform, MPN/100 ml**	200
30	**Fecal Streptococcus, MPN/100 ml**	100
31	**% SODIUM**	55.8
32	**SAR**	1.1

NATIONAL WATER QUALITY MONITORING PROGRAMME (NWMP)

Station Name		KECHERI												
Type of Water body		RIVER												
Completed by		DO, THRISSUR												
Agency		KERALA STATE POLLUTION CONTROL BOARD												
1	Station Code	2	2	9	1									
2	Date and time of sample taken (DD/MM/YY, HH/MM)	0	7	1	0	2	0	2	5			12	15	PM
3	Weather	Cloudy			Clear✓				Windy			Raining		
4	Approximate depth of main stream	< 50 cm			50 – 100 cm				>100 cm✓			Flood		
5	Color & Intensity	Clear			Turbid✔				Green			Brown		
		1 = Light✓			2 = Moderate				3 = High					
6	Odour	None✓			Fishy				H2S			Other		
7	Floating Matter	Floating			Floating sludge				Oil & Grease			Water Hyacinth		
8	Visible effluent discharges in proximity	Industrial			Municipal sewage				None					
9	Human activities around the station	Cattle wading			Farming✓				Fishing✓		Bathing		Other✓	
10	Location details	U/s of town or industrial area			D/s of town or industrial area ✓				Pilgrim center/Bathing Ghat/Water intake				None	
11	Flow rate													
12	Major polluting source	Industrial effluent			MSW✓		PW		None		Other ✓			
13	Uses of water in downstream	Irrigation			Drinking water source				Fishing✓		Domestic			
		Organized			Cultivation✓				Bathing		Others✓			

Sl.No	Determinants	Values
1	**Temperature, 0C**	28
2	**Dissolved Oxygen, mg/l**	7.7
3	**pH**	7.96
4	**Conductivity, µmhos/cm**	110
5	**BOD, mg/l**	1.3
6	**Nitrate-N, mg/l**	0.6
7	**Turbidity, NTU**	2.8
8	**Phenolphthalein Alkalinity, mg/l**	BDL
9	**Total Alkalinity, mg/l**	8
10	**Chloride, mg/l**	20
11	**COD, mg/l**	4
12	**TKN, mg/l**	0.11
13	**Ammoniacal-N, mg/l**	BDL
14	**Hardness as CaCO3, mg/l**	18
15	**Calcium as CaCO3, mg/l**	14
16	**Magnesium as CaCO3, mg/l**	4
17	**Sulphate, mg/l**	4
18	**Calcium (Ca2+), mg/l**	5.611
19	**Magnesium (Mg2+), mg/l**	0.972
20	**Sodium, mg/l**	12
21	**Total Dissolved Solids, mg/l**	62
22	**Total Fixed Solids, mg/l**	43
23	**Total Suspended Solids, mg/l**	BDL
24	**Phosphate, mg/l**	0.02
25	**Boron, mg/l**	BDL
26	**Potassium, mg/l**	2.78
27	**Fluoride, mg/l**	0.02
28	**Total Coliform, MPN/100 ml**	65
29	**Fecal Coliform, MPN/100 ml**	60
30	**Fecal Streptococcus, MPN/100 ml**	50
31	**% SODIUM**	54.8
32	**SAR**	1.2

NATIONAL WATER QUALITY MONITORING PROGRAMME (NWMP)

Station Name		PUZHAKKAL												
Type of Water body		RIVER												
Completed by		DO, THRISSUR												
Agency		KERALA STATE POLLUTION CONTROL BOARD												
1	Station Code	2	2	9	0									
2	Date and time of sample taken (DD/MM/YY, HH/MM)	0	7	1	0	2	0	2	5			1	15	PM
3	Weather	Cloudy			Clear✓				Windy			Raining		
4	Approximate depth of main stream	< 50 cm			50 – 100 cm				>100 cm✓			Flood		
5	Color & Intensity	Clear✓			Turbid✓				Green			Brown		
		1 = Light✓			2 = Moderate				3 = High					
6	Odour	None✔			Fishy				H2S			Other		
7	Floating Matter	Floating			Floating sludge				Oil & Grease			Water Hyacinth✔		
8	Visible effluent discharges in proximity	Industrial			Municipal sewage				None✔					
9	Human activities around the station	Cattle			Farming ✔				Fishing✓		Bathing		Other✓	
10	Location details	U/s of town or industrial area			D/s of town or industrial area ✓				Pilgrim center/Bathing Ghat/Water intake				None	
11	Flow rate													
12	Major polluting source	Industrial effluent			MSW✓		PW		None		Other✓			
13	Uses of water in downstream	Irrigation✔			Drinking water source				Fishing ✓		Domestic			
		Organized			Cultivation✓				Bathing		Others✓			

Sl.No	Determinants	Values
1	**Temperature, 0C**	27
2	**Dissolved Oxygen, mg/l**	7.3
3	**pH**	7.81
4	**Conductivity, µmhos/cm**	105
5	**BOD, mg/l**	0.9
6	**Nitrate-N, mg/l**	0.3
7	**Turbidity, NTU**	3
8	**Phenolphthalein Alkalinity, mg/l**	BDL
9	**Total Alkalinity, mg/l**	8
10	**Chloride, mg/l**	13
11	**COD, mg/l**	8
12	**TKN, mg/l**	0.7
13	**Ammoniacal-N, mg/l**	BDL
14	**Hardness as CaCO3, mg/l**	14
15	**Calcium as CaCO3, mg/l**	9
16	**Magnesium as CaCO3, mg/l**	5
17	**Sulphate, mg/l**	0.1
18	**Calcium (Ca2+), mg/l**	3.607
19	**Magnesium (Mg2+), mg/l**	1.215
20	**Sodium, mg/l**	14
21	**Total Dissolved Solids, mg/l**	58
22	**Total Fixed Solids, mg/l**	41
23	**Total Suspended Solids, mg/l**	BDL
24	**Phosphate, mg/l**	0.02
25	**Boron, mg/l**	BDL
26	**Potassium, mg/l**	3.1
27	**Fluoride, mg/l**	0.01
28	**Total Coliform, MPN/100 ml**	70
29	**Fecal Coliform, MPN/100 ml**	50
30	**Fecal Streptococcus, MPN/100 ml**	NIL
31	**% SODIUM**	62.9
32	**SAR**	1.6

STATE WATER QUALITY MONITORING PROGRAMME (SWMP)..OCTOBER... 2025

Station Name		**Chalakudy**				
Type of Water body		**River**				
Name of Water Body		**Chalakudy**				
Completed by		**DO Thrissur**				
Agency		KERALA STATE POLLUTION CONTROL BOARD				
1	Station Code	K52				
2	Date and time of sample taken (DD/MM/YY, HH/MM)	10.10.2025				
		11:30:00 AM,				
3	Weather	Cloudy	Clear√	Windy	Raining	
4	Approximate depth of main stream	< 50 cm	50 – 100 cm	>100 cm√	Flood	
5	Color & Intensity	Clear√	Turbid	Green	Brown	
		1 = Light√	2 = Moderate	3 = High		
6	Odour	None√	Fishy	H2S	Other	
7	Floating Matter	Floating	Floating sludge	Oil & Grease	Water Hyacinth	
8	Visible effluent discharges in proximity	Industrial	Municipal sewage	None		
9	Human activities around the station	Cattle wading	Farming✓	Fishing✓	Bathing	Other✓
10	Location details	U/s of town or industrial area	D/s of town or industrial area✓	Pilgrim center/Bathing Ghat/Water intake		None
11	Flow rate					
12	Major polluting source	Industrial effluent	MSW√	PW	None	Other√
13	Uses of water in downstream	Irrigation√	Drinking water	Fishing√	Domestic√	
		Organized water source	Cultivation√	Bathing Ghat	Others✓	

Sl. No	Determinants	Values
1	Temperature, 0C	26
2	Dissolved Oxygen, mg/l	6.8
3	pH	7.64
4	Conductivity, µmhos/cm	47.2
5	BOD, mg/l	2.8
6	Nitrate-N, mg/l	0.4
7	Turbidity, NTU	3.9
8	Total Alkalinity, mg/l	7
9	Chloride, mg/l	10
10	Ammoniacal-N, mg/l	BDL
11	Hardness as CaCO3, mg/l	12
12	Calcium as CaCO3, mg/l	6
13	Magnesium as CaCO3, mg/l	6
14	Sulphate, mg/l	BDL
15	Sodium, mg/l	5.5
16	Total Dissolved Solids, mg/l	28
17	Phosphate, mg/l	0.02
18	Boron, mg/l	BDL
19	Potassium, mg/l	1.03
20	Total Coliform, MPN/100 ml	300
21	Fecal Coliform, MPN/100 ml	5
22	Sodium Absorption Ratio (SAR)	0.7

ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN TIRUR RIVER - NOVEMBER 2025

SI NO	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD (mg/l)	COD (mg/)	FC (cfu/100ml)
1	Drain near Tirur Railway station	6.4	4.3	1.2	3.6	120
2	Thazhepalam drain	6.2	4.1	0.8	3.2	60
3	Naduvilangadi drain (old ponnanithodu)	Dried				
4	Annassery drain	Dried				
5	Canal at CV Land	Dried				
6	Canal at Mangalam thuruth	7.5	5	2.8	4.2	680
7	Canal at Pullooni	7.8	2.5	3.2	5.4	220
8	Drain near Mangattiri bridge	Dried				
9	Drain near Ettirikkadavu bridge	6.8	4.4	2.1	3.8	280
10	Epothingal	7.0	5.1	1.2	3.6	160
11	Asarikkadav	Dried				
12	Kandanathkadav	Dried				
13	Pancharamoola	Dried				
14	Kakadav	6.9	4.3	0.9	3.4	240
15	Kanathkadav	6.7	4.6	1.5	3.6	100
16	Drain near tirur railway station	Dried				
17	Payyanangadi (kadayithodu)	6.6	1.5	3.4	5.8	320
18	Thalakkadathur	7.0	4.5	0.3	2.8	60
19	Naduvilangadi	7.1	4.3	1.1	3.6	420

ASSISTANT SCIENTIST

ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN KADALUNDY RIVER - NOVEMBER 2025

Sl .No	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	FC (cfu/100 ml)
1	Valiyangadi drain	7.4	9.4	1.3	3.6	440
2	Valiyangadi bypass drain	DRIED				
3	Valiyathod drain	7.3	9.5	2.1	4.2	220
4	Hajiyarpally	7.1	7.1	1.3	3.2	100
5	Tirurangadi	6.9	6.6	0.8	3.1	240

ASSISTANT SCIENTIST

KALLAYI

	Kozhikode Corporation							
No.	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of works remaining**
1	Identification of illegal outlets into storm water drain and issue Notice to such units	Kozhikode Corporation	30.12.2020	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	The ULB has executed an agreement with the KCCL & AIPPL - (JV)on 21.05.2025 to execute a 15 MLD at West Hill Industrial Estate, in the DBOT mode. The SHPSC meeting held on 27.10.2025 has approved the administartive sanction of this project for 166.66 Cr. CRZ map preparation has been completed. The preparation of the EIA Report, Risk Assessment Plan and Disaster Management Report was completed on 30.09.2025. The CRZ consent fee and PCB consent fee were paid on 30.09.2025. The consent to establish was received from the PCB on 28.11.2025. The details will be submitted to the KCZMA for CRZ consent by 09.12.2025	Continuing random inspections and imposing fine regularly	On going
2	Waste to energy project proposed at Njeliyamparamba	KSIDC	30.06.2021	Project dropped	Project dropped	Project dropped		Not reported
3	Establishment of Aerobic compost units 24 units established in 6 sites	Kozhikode Corporation	Completed and functioning	Completed and functioning	Completed and functioning	Completed and functioning	100%	
4	Segregation of solid waste at source level and treatment of house hold wastes 300 ring compost and 150 biogas plant installed	Kozhikode Corporation	30.06.2019	Completed	Completed	Completed	100% Coverage	
5	Setting up of rendering treatment plant for chicken stall wastes Installed in Thamarassery panchayath. Now waste is collected from 170 units	Fresh cut agency	on trial run	Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	100% Coverage	Functioning
6	Implementation of Green protocol unit	Kozhikode Corporation	30.06.19	On going	On going	On going		On going

7	Setting up of common STP of(13 MLD) 7.1 At Kothi bridge- 6 MLD plant proposed 7.2 At Avikkal -7 MLD plant proposed	Kozhikode Corporation	31.03.2020	Project dropped due to Public protest and court cases. .The ULB has executed an agreement with the KCCL & AIPPL - (JV)on 21.05.2025 to execute a 15 MLD at West Hill Industrial Estate, in the DBOT mode. The DPR submitted by the contractor is to be placed in the next SLTC/SHPSC of AMRUT-2.0 for approval of AS.Awaiting the SLTC meeting. The payment to the PCB for Consent to Establish was made on 30.09.2025, and the details have been submitted to the PCB office, Kozhikode. Final approval is awaited. Since the site falls under the CRZ, all supporting documents have been prepared as per the directions of the KCZMA, and the scrutiny fee to KCZMA will be paid before 06.10.2025. Once the PCB consent is received, the proposal will be submitted to KCZMA for approval.	Project dropped due to Public protest and court cases.	Project dropped due to Public protest and court cases.	Instead of 2 STPs (6 MLD at Kothi & 7 MLD at Avikkal) the ULB decided to construct a single STP of 15 MLD at West Hill Industrial Estate for covering the same areas. Hence instead of the Kothi & Avikkal STPs, the West Hill Industrial Estate STP can be shown in the MPR.	Agreement Executed.

8	Implementation of STP at Kottooli (13.5 MLD)	KWA		After receivingCouncil approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal.The administrative sanction for constructing a 27MLD STP at Kottoli (Sarovaram) was received on 08.01.2024.Technical sanction is pending with the KWA. AS issued on 08.01.2024.TS was issued on 13.12.2024.The tender was floated on 08.01.2025, and opened on 06.03.2025. Two bids were received, and the Tender evaluation was in progress at KWA. Both bids failed in the technical evaluation. Hence, the work was retended on 26.03.2025, Tender opened on 02.05.2025.6 bidders participated. The technical bid evaluation was completed on 21.07.2025. The financial bid opened on 11.08.2025 and is 19.6 % above. Upon negotiation, the contractor reduced its claim to 11%. But one of the disqualified contractors approached the court. Hence, there is a court case.The KWA approached the corporation for approval of the tender excess (₹ 14 Cr, excluding GST). However, due to municipal fund constraints, the council, dated 16.09.2025, requested the government to release the excess amount under the project head to proceed with the work; otherwise, the work may be tendered under DBOT, retaining the approved amount. an agenda in this regard will be placed before the next SLTC meeting.The CRZ status report, EIA report, Disaster management report and risk assessment report for CRZ approval were under preparation.The same shall be finalised only after the tender finalisation	After receivingCouncil approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal.The administrative sanction forconstructing a 27MLD STP at Kottoli(Sarovaram) was received on08.01.2024.Technica lsanctionis pending with the KWA	After receivingCouncil approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal.The administrative sanction forconstructing a 27MLD STP at Kottoli(Sarovaram) was received on08.01.2024.Technica lsanctionis pending with the KWA	Work award pending	27 MLD STP with 220 KLD FSTP as co-treatment with 54 km network

9	Cleaning of Canoli canal	Kozhikode Corporation	20.07.2019	Periodical cleaning	Periodical cleaning	Periodical cleaning		Continuous - seasonal
10	Purchasing of Solar Boat for Canoli canal cleaning	Kozhikode Corporation	31.03.2020	Project dropped	Project dropped	Project dropped		Project dropped
11	Installation of CCTV Camera for the Identification and monitoring of illegal activities	Kozhikode Corporation	31.03.2020	Ongoing	Ongoing	Ongoing		On going
12	Establishment of Mobile Septage Units	Kozhikode Corporation	31.03.2020	Project dropped	Project dropped	Project dropped		Project dropped
13	Action taken against dumping of wastes into river and public places	Kozhikode Corporation	Continuing	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuous
14	Cleaning of B.K canal	Kozhikode Corporation	31.03.2020	Completed	Completed	Completed	100%	
15	Establishment of treatment plant at Medical college (3 MLDplant) Tender over 14.1 -2 MLD plant proposed 14.2- 1 MLD plant proposed	Kozhikode Corporation	31.03.2020	Completed and functioning.	Completed and functioning.	Completed and functioning.	100%	Functioning
16	Construction of drains at Y.M.RC Ayyankar colony	Kozhikode Corporation	31.03.2020	92% completed	95% completed	90% coverage	95%	Processing
17	Treatment facility for waste water in Central market	Kozhikode Corporation						New project under consideration
18	Establishment of comfort stations	Kozhikode Corporation					On going - Continuous process	Continuous
19	Provide facility for MRF,RRF, Super MRF 3 units existing 19.1 Njeliyanparamb 19.2 Industrial estate 19.3 Meyor bhavanjayanthinagar colony	Suchitwa Mission	Project in progress	3.MRFand 5.MCFare already existing. New project going on.	3.MRFand 5.MCFare already existing. New project going on.	3.MRFand 5.MCFare already existing. New project going on.		
20	Identification of illegal outlets from house to storm water drain and issue Notice to such Houses	Kozhikode Corporation		On going - Continuous process	On going - Continuous process	On going - Continuous process	Ongoing - continuous process	Continuous
21	Establishment of Plastic shredding unit	Kozhikode Corporation	Project started	Project started	Project started	Project started		
22	Establishment of slaughtering unit	Kozhikode Corporation		Project under Consideration	Project under Consideration	Project under Consideration	Project under Consideration	Not reported
23	Cleaning of drains in Kozhikode Town	Kozhikode Corporation	Ongoing	On going - Continuous process	On going - Continuous process	On going - Continuous process		Continuous
Perumanna Grama Panchayath								
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of works remaining**
1	Outlets into storm Water drain and issue notice	Perumanna Panchayat, kozhikode	Continues process	Inspection conducting regularly	Inspection conducting regularly	Inspection conducting regularly	Continuous	
2	Establishment of six aerobic compost units in panchayat	Perumanna Panchayat , Kozhikode through MGNREGS	12/2021	Work completed(100% coverage)	Work completed(100% coverage)	Work completed(100% coverage)	100% coverage	completed
3	Collection and segregation of solid waste in the river	Perumanna Panchayat	Continues process in every year	Work completed	Work completed	Work completed	completed	

4	Setting up of residential treatment plant for chicken stall waste	Perumanna Panchayat	Continues procesS					
5	Setting up of 360 soak pit plant in all houses near the river area and panchayat	Perumanna Panchayat through MGNREGS	12/2021	Progressing 80% completed	Progressing 80% completed	Progressing 80% completed	80% completed	Processing
6	Implementatio n of 360 compost unit near river side and panchayat	Perumanna Panchayat , Kozhikode through MGNREGS	12/2021	Progressing 80% completed	Progressing 80% completed	Progressing 80% completed	80% completed	Processing
7	Implementation of water flow project (Aluvangal Thazham Perumbatta Elamanapadam, Valiyapadam.Mampuzhthode Naveekarana, project no 260/2021 project cost16.67 Lakhs).	Perumanna Panchayat	12/2021	Technical sanction obtained. Tender procedure completed.	Technical sanction obtained. Tender procedure completed.	Technical sanction obtained. Tender procedure completed.		
8	Cleaning of Mambuzha river (project name : Mambuzha water flow restoration, project no 01/2018-19	District Panchayat , Kozhikode	2018 -2019	Work has been completed by District Panchayat, Kozhikode	Work has been completed by District Panchayat, Kozhikode	Work has been completed by District Panchayat, Kozhikode	Completed.	
9	Establishment of 18 nos of mini MCF in different wards including Payyadi methal where the river is flowing	Perumanna Panchayat , Kozhikode through MGNREGS	12/2021	Completed.	Completed.	Completed.	Completed.	
10	Collection of plastic Waste from the river	Perumanna Panchayat	Continuous process	Process will be done every year	Process will be done every year	Process will be done every year	Continous	Continous
Peruvayal Grama Panchayath								
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of work remaining**
1	Outlet in storm water drain and issued notice	Peruvayal G P	Continuous process	Ongoing	Ongoing	Ongoing	Ongoing	Continous
2	Establishment of 56 units anaerobic composed unit in panchayat.	Peruvayal GP through MGNREGS	04/2023 to 03/2021	Ongoing	Ongoing	Ongoing	Ongoing	Continous process
3	Setting upof rendering plant for chicken solid waste	Peruvayal G P	Continuous process					
4	Setting up of 379 soak pit plant in all houses	Peruvayal G P	04/2023 to 03/2024	Completed	Completed	Completed	Completed	Completed
5	Cleaning of Mambuzha river (Mambuzha renovation) project no :190/2017 -18	District panchayat Kozhikode	2017 -2018	Completed	Completed	Completed	Completed	

6	Establishment of 8 numbers of mini MCF	Peruvayal GP through MGNREGS	04/2023 TO 03/2024	80% completed	80% completed	80% completed	80% completed	No further progress reorted
7	Collection of plastic waste from the river	Peruvayal G P	Continuous process	Work completed	Work completed	Work completed	Work completed	
8	Collection and segregation of solid waste in the river	Peruvayal GP	Continuous process	Ongoing	Ongoing	Ongoing	Ongoing	Continous process
9	Establishment of Bio gas plant	Peruvayal G P	2023 -24	Work completed (70% coverage)	Work completed (70% coverage)	Work completed (70% coverage)	Work completed (70% coverage)	No further progress reorted
10	Well recharge	Peruvayal GP through MGNREGS	2023 -24	Work completed (60% coverage) .	Work completed (60% coverage) .	Work completed (60% coverage) .	Work completed (60% coverage) .	No further progress reorted
Mavoor Grama Panchayat								
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of work remaining**
1	Transportation of waste management to refinement unit	Konnari Advanced Polymers Limited	2022-23	Completed	Completed	Completed	100%	
2	Cleaning of Cherupuzha (Kuniyakadav to Thenghilakadav)	Mavoor GP	2022-23	Completed	Completed	Completed	100%	
3	Valayannor Thodu cleaning	MGNREGS	2022-23	Completed	Completed	Completed		
4	Arayancode kalchira Thodu Cleaning	MGNREGS	2022-23	Completed	Completed	Completed		
5	Vellaram Kandi Chirakkal thazham thodu	Mavoor GP	2023-24	Completed	Completed	Completed	100%	
6	Ring compost	Mavoor GP	2023-24	Completed	Completed	Completed		
7	Kadayan thodu	MGNREGS	2023-24	Completed	Completed	Completed	100%	
8	Chalippadam Punchappadam thodu	MGNREGS	2023 -24	Completed	Completed	Completed	100%	
9	Puthiyottil thazham Elaram thodu	MGNREGS	2023 -23	Completed	Completed	Completed	100%	
OLAVANNA GRAMAPANCHAYAT								
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of work remaining**
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuous process	Completed	Completed	Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuous process	Completed	Completed	Completed	Completed	

3	Cleaning of Mambuzha river	Olavanna Gramapanchayat	Continuous process	Completed	Completed	Completed	Completed	
4	Well recharge	Olavanna Gramapanchayat through MGNREGS	4/2023 To 3/2024	Completed	Completed	Completed	100%	
5	Setting up of soak pit in houses	Olavanna Gramapanchayat through MGNREGS	4/2022 To 3/2024	Completed	Completed	Completed	100%	
6	Action taken against dumping of waste in to river	Olavanna Gramapanchayat	Continuous process	Process continuing	Process continuing	Process continuing	100%	Completed
7	Collection of non - biodegradable waste	Harith karma sena	Throughout the year	Process continuing	Process continuing	Process continuing	Process continuing	Continous
	Irrigation Department							
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of works remaining**
1	Desilting of Kallayi river from Kaduppini to Kothi in Kozhikode Corporation	Irrigation department	31.03.21	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started ,Work Completed 8%	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started ,Work Completed 8%	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started ,Work Completed 12%		
2	Provide fencing on the sides of the Bridge	Irrigation department	31.03.21	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)		
3	Dredging, Desilting & removal of weeds from E K Canal (11.2 km)	Irrigation department	31.07.19	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL). DPR for “Canal City Project “ under preparation	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL). DPR for “Canal City Project “ under preparation	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL). DPR for “Canal City Project “ under preparation		
4	Bio Park in Kozhikode District	Irrigation department		Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department	Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department	Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department		
5	Flood Prone Mapping in Kozhikode District	Irrigation department		Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills	Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills	Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills		
	Kerala State Pollution Control Board							

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of September 2025	Status as on October 2025	Status as on November 2025	% works completed	Details of works remaining
1	River water quality monitoring- Kallayi river National Water Quality Monitoring Programme (NWMP)	KSPCB	Ongoing; monthly frequency	Process continuing	Process continuing	Process continuing	Ongoing; monthly frequency	
2	River water qualitymonitoring– Kallayi rivers State Water Monitoring Programme, KSPCB fund (SWMP)	KSPCB	Ongoing. Seasonal monitoring– pre-monsoon, monsoon, post-monsoon	Process continuing	Process continuing	Process continuing	Ongoing. Seasonal monitoring– pre-monsoon, monsoon, post-monsoon	
3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc . in Malappuram Municipal area	KSPCB	Ongoing Interval: Red–1month. Orange – 3 months. Green – 6 months.	Process continuing	Process continuing	Process continuing	Ongoing Interval: Red–1month. Orange – 3 months. Green – 6 months.	
	SuchitwaMission							
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of works remaining**
1	Board displaying messages against dumping to be placed in river banks	Suchitwa Mission	15.07.19	Process continuing	Process continuing	Process continuing		
	Action Plan by Ground WaterDepartment							
No. (as per Action Plan)	**Activity**	**Implementing agency**	**Time line**	**Progress in the month of September 2025**	**Status as on October 2025**	**Status as on November 2025**	**% works completed**	**Details of works remaining**
B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over expolited as critical zones/blocks (Earlier status: As per Groundwater resources of Kerala, 2017 estimate ,Kozhikkode Block comes under the Kallai river basin and the block is safe with stage of groundwater extraction 68.49%)			As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%	As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%	As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		
B(ii)	Ground water recharging / rain water harvesting (Earlier status : The average pre-monsoon groundwater level is 7.23mbgl. Groundwater Department has implemented 3 no of dug well recharge schemes at Kozhikkode block)			The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block	The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block	The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		
B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps (Earlier status - Groundwater Department has 1 observation piezometer (BW)in the river stretch.)			Ground water Department has1observation Piezometer (BW) in the river stretch.)	Ground water Department has1observation Piezometer (BW) in the river stretch.)	Ground water Department has1observation Piezometer (BW) in the river stretch.)		
B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status - The total irrigation draft in the block area is 488.76 ha.m.)			The total irrigation draft in the Block area is 488.76 ha.m.)	The total irrigation draft in the Block area is 488.76 ha.m.)	The total irrigation draft in the Block area is 488.76 ha.m.)		
	Action plan by irrigationDepartment							

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of September 2025	Status as on October 2025	Status as on November 2025	% works completed	Details of works remaining
E	Dredging and desilting	Irrigation Dept	3 years	Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10% (Work halt due to off season)	Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10% (Work halt due to off season)	Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10% (Work halt due to off season)	12%	
E	E-flow (by micro water shed management)	Irrigation Dept	3 years	Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.	Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.	Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.		
E	Flood plain zone (protection and management)	Irrigation Dept	3 years	Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.	Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.	Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.		
E	Greenery development (plant in trees on thebanks)	Irrigation Dept	3 years	Not reported	Not reported	Not reported		Not reported

KERALA STATE POLLUTION CONTROL BOARD
കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
കോഴിക്കോട് റീജ്യണൽ ആഫീസ്
REGIONAL OFFICE, KOZHIKODE
Phone: 0495-2300744 Mail: pcbrokkd@gmail.com Website: kspcb.kerala.gov.in
3rd FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE – 673 002

11/11/25

ANALYSIS REPORT OF RIVER WATER

Report No.	KROS5800/ 1 to 5	**Date:**	31102025
Date of Sample Collection	11102025	Date of receipt of the sample	11102025
Sampled by:	RL ,KKD	Time	Hours: 04:00 PM
Sampling Method	APHA1060B,a	Sample ID	KL1, KL2, KL3, KL5,& KL6
Sample container	PC 2.5 L	Sample Lab Code	KROS :5800/1-5
Source:	KALLAI RIVER WATER	Ref.letter No.	PCB/KKD/DO/ Polluted River Stretch/2018 Vol. IV. Dated 11.10.2025
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	Received from:	EE,DO,KKD
Sample preservation:	Ice box	Period of analysis:	11.10.2025-30.10.2025
		No. of samples	5
		Analysed by:	SNS/NSS/PVH/MT/AKR

Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22nd Ed.)

sl no	Parameters	unit	Method No.	SAMPLE ID				
				KL 1	KL 2	KL 3	KL 5	KL 6
1	pH	-	APHA 4500-H+,B	7.09	7.23	7.31	7.45	7.49
2	CONDUCTIVITY	µmhos /cm	APHA 2510B	4150	18450	19430	11300	10700
3	BOD	mg/L	IS3025 (Part 44)	1.6	1	0.8	1.2	1.4
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O,C	6.3	4.6	5.1	3.3	3.7
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	28000	26000	18000	15000	110000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	18000	22000	16000	14000	40000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	150	10	150	120	90
8	TEMPERATURE	°C	APHA 2550B	27	27	27	27	28

Test method variation: None

Remarks: LDL-Lower Detection Limit BDL-Below Detection Limit

KL1-KALLAI RIVER AT PALATHUMKANDI BRIDGE,POKKUNNU,KL2-KALLAI RIVER AT KADUPPINI BRIDGE, K.L3- KALLAI RIVER AT MANKAVU BRIDGE, KL5- KALLAI RIVER AT KALLAI BRIDGE & KL6- KALLAI RIVER AT KOTHI BRIDGE, THEKKEPURAM .

Scientist in charge

KERALA STATE POLLUTION CONTROL BOARD
കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
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3rd FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE – 673 002

9/12/25

ANALYSIS REPORT OF RIVER WATER

Report No.	K R O S 5 8 3 0 / 1 to 5	**Date:**	0 3 1 2 2 0 2 5
Date of Sample Collection	0 8 1 1 2 0 2 5	Date of receipt of the sample	1 1 1 1 2 0 2 5
		Time	Hours: 0 2 : 0 0 PM
Sampled by:	RL ,KKD	Sample ID	KL1, KL2, KL3, KL5,& KL6
Sampling Method	APHA1060B,a	Sample Lab Code	KROS :5830/1-5
Sample container	PC 2.5 L	Ref.letter No.	PCB/KKD/DO/ Polluted River Stretch/2018 Vol. IV, Dated 11.10.2025
Source:	KALLAI RIVER WATER	Received from:	EE,DO,KKD
		Period of analysis:	11.11.2025-01.12.2025
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	No. of samples	5
		Analysed by:	SP/NSS/PVH/AJ
Sample preservation:	Ice box	Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22nd Ed.)	

sl no	Parameters	unit	Method No.	SAMPLE ID				
				KL 1	**KL 2**	**KL 3**	**KL 5**	**KL 6**
1	pH	-	APHA 4500-H+,B	7.22	7.43	7.38	7.65	7.67
2	CONDUCTIVITY	µmhos /cm	APHA 2510B	1990	11520	16800	30000	36900
3	BOD	mg/L	IS3025 (Part 44)	1.07	1.87	3.27	1.87	3.87
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O,C	2.8	2.9	4	2.9	4.6
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	18000	34000	38000	38000	590000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	15000	24000	33000	28000	280000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	120	110	320	250	260
8	TEMPERATURE	°C	APHA 2550B	27	26	26	27	27

Test method variation: None

Remarks: LDL-Lower Detection Limit BDL-Below Detection Limit

KL1-KALLAI RIVER AT PALATHUMKANDI BRIDGE,POKKUNNU,KL2-KALLAI RIVER AT KADUPPINI BRIDGE, K.L3- KALLAI RIVER AT MANKAVU BRIDGE, KL5- KALLAI RIVER AT KALLAI BRIDGE & KL6- KALLAI RIVER AT KOTHI BRIDGE, THEKKEPURAM .

Scientist in charge

National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs (Hon'ble NGT in the matter of OA No.673/2018 dated 06.12.2019) RIVER KARAMANA, THIRUVANANTHAPURAM

ACTION PLAN FOR RIVER KARAMANA, KERALA - Nov 2025

1. **Short Term Plan**

Maintenance and de-bottle necking of existing sewerage network

No.	Activity	Implementing agency	Time line	Progress in the month of Aug 2025	Progress in the month of Sept 2025	Progress in the month of Oct 2025	% works completed	Details of works remaining
2.1.1	Pumping lines from the terminal pumping stations namely Kuriyathi, Pattoor, Kannammoola and Enchakkal pumping stations are to be connected directly to STP at Muttathara	Kerala Water Authority	May 2019				100%	Kuriathy Pumping line work Completed. Detailed Project Report of pumping line from Pattoor, Kannammoola and Enchakkal Pumping Station are under preparation, Administrative Sanction not yet received for this work.
2.1.2	Rehabilitation/upgradation of Thaliyal and Aranoor Sewerage Pump house by rehabilitation of existing well, construction of new well and grit chamber, installation of new pump Sets.	Kerala Water Authority	May 2020				100%	Completed
							100%	Work completed
2.1.3	5 MLD sewage treatment plant at Medical College	Kerala Water Authority	May 2020				100%	Work Completed.

2.1.4	Installation of adequate pumps in Mudavanmughal and Enchakkal pumping stations.	Kerala Water Authority	March 2020				100%	Work Completed.
2.1.5	DG sets in all lift and pumping stations – Mudavanmughal, Aranoor, Thaliyal, Kuriyathi, Pattoor, Kannammola,Pattom, Murinjapalam and Enchakkal	Kerala Water Authority	May 2020				100%	Work Completed.
2.1.6	Reconnect sewer at Rajaji Nagar, stop outflow of sewage into Amayizhanchanthodu, control storm water entry into sewer to avoid overflow in Thampanoor area. Sewage generated in Rajaji Nagar shall be diverted to main sewer line. Sewage generated in Thoppil area shall be diverted main sewer line	Kerala Water Authority	Dec 2020				100%	Work Completed.
2.1.7	Discharge of sewage in Parayilkadavu shall be stopped as there is	Kerala Water Authority	Completed				100 % completed	Works Completed.

	overflow of sewage reaches in houses having sewerage connection and this may lead to discharge of sewage into River Karamana.							
2.1.8	Divert the sewer line from the School compound of Government Karamana High School	Kerala Water Authority	Completed				100% completed	Work Completed.
2.1.9	Rehabilitation by laying new lines increasing size of undersized main and reconstruction by dilapidated manholes for the last 3 years	Kerala Water Authority	May 2020	0%	0 %	0 %	100%	Works completed – 75Nos. (Rs.15.41cr) AMRUT-44, State plan-28 MLA ADF/SDF-3
	Total works in progress/completed (76No.) Works dropped (2No.)						Dropped – 2 No. (Rs. 1.52cr.) State plan-2	Two works dropped due to not getting offers on repeated tenders and expiry of AS. Later it placed for AS in the State Plan and completed.
2.1.10	Extension of sewer network wherever technically feasible in new areas of existing blocks	Kerala Water Authority	May 2020	0.1%	.1%	0 %	99.3%	Works completed - 21 No. AMRUT-12, State plan-7 nos,(4 nos on-going) MLA ADF/SDF-1
	In progress/On-going (4No.)							
	Tendering/ To be arranged (1No.) Land acquisition -1 In progress-3					To be arranged	Land acquisition in progress-1Nos	Land acquisition process for all 4 works completed and land handed over to KWA and LA for the work of laying sewer trunk main from Murinjapalam towards Kannammoola - Joint site inspection of the site by KWA officers

								and LA Tahsildar were conducted on 27.02.24 for assessing the land value. LA 11(1) LA in progress Final stage. Revised AS obtained in state plan 2021-22, - 2.36 Cr demanded. Remittance of 2.36cr completed in 3 phase. Balance AS amount for Rs.49.68Lakhs as per the revised demand from Spl. Tahsildar. Administrative Sanction is obtained for this vide proceedings no. KWA- JB/4401/2024-AE1 PIU1 KWA-Part (2) dated 22.02.2025. Action is being taken to settle the matter and land handed over to KWA AS obtained for arranging the work under State Plan 22-23 and one work arranged and one tendered. This tendered work re-casted and placed under State Plan 2022-23, AS received and tendered. Agreement Executed and pipe supplied and work in progress -50% completed. Killi River Crossing permission obtained. River crossing pipe laying delayed due to rain and restarted the same on 29.01.2025. Work 58% completed. Four pile caps under construction. Work will be completed within 60 days. Box culvert work 100%completed. For another work 26% completed. No further progress in the work by the contractor after March 2024. The contractor steps back from contract. Recommended to terminate the work and arrange the work at risk and cost. But, now the contractor restarted the work. Trial HDD done. Work will be completed within 15 days. Trial pits work completed.
2.1.11	Procurement of sewer cleaning machines and equipment maintenance	Kerala Water Authority	Mar 2020	0%	0%	0%	100%	Work Completed.

1. **Long Term Works**

Sl No.	Long term measures proposed	Implementing agency	Amount Required (Rs.in Crore)	Time line	Progress in the month of January	Progress in the month of February	% works completed	Details of works remaining
3.1.1	Extension of sewerage system to Block F to G coastal belt	Kerala Water Authority	5000	Three years				Consultant appointed for preparing Detailed Project Report for uncovered wards of theThiruvananthapuram Corporation and Rehabilitation of the existing system was terminated from the contract due to breach of contract by the firm vide Proceedings No.KWA/SE/SEW/EOI/REPL/338/2020-2021 of the Superintending Engineer, Sewerage Circle, Kerala Water Authority Thiruvananthapuram dated 31.05.2022 to arrange the balance work at their risk and cost. As directed in the Chief Secretary, GoK's meeting dated 21/06/2022 to do the Preparation of DPRs internally, action taken accordingly. Meanwhile the terminated firm M/s REPL filed a complaint against KWA in the Hon'ble High court of Kerala (WP(C) No 26031 of the year 2022) and obtained a stay against KWA at first up to 22.08.22 which is then got extended up to 14.09.22 against taking any coercive actions. DPR preparation of sewerage system to the uncovered areas of TMC is now being carried out internally by KWA. The total wards were divided in to 10 clusters. Cluster 1 comprises of
3.1.2	Extension of sewerage system to Block H to R							
3.1.3	Extension of sewerage system to newly added areas of corporation viz,							
3.1.4	Providing sewerage system in Block A to E							
3.1.5	Rehabilitation of existing Network and pump house in block A to E							
3.1.6	Procurement of equipment for maintenance of sewerage system.							
3.1.7	Additional STP requirement							

								5 wards - Attukal, Kalady, Kallipankulam, Ambalathara and kamaleswaram wards – The DPR for Cluster 1 was submitted on 13/10/2022 for AS. Later as per the direction of Secretary Thiruvananthapuram Corporation the DPR for Cluster 1 was revised including Zone 1&5 for Rs.91.00Cr and Zone 3&4 for Rs.66.50Cr and was submitted to Corporation on 28.12.2023 for getting AS under UIDF. AS received for these two works and works tendered. As the two bidders who quoted for the Tender of Cluster 1-(ZONE-III Kalady Part) and (ZONE-IV - Attukal Part) was disqualified the tender was cancelled and retendered the work. Two bidders participated in the tender and they failed in prequalification process, hence work retendered. Three bidders participated for the tender and prequalification is under process. In case of Cluster I zone I&V, also the two bidders who quoted the tender were disqualified. Estimate recasted and TS issued. Corporation directed to separate Zone I and tender the work and prequalification is under process. Cluster 3, which was originally consisting of Thiruvallam, Poonkulam and Vellar is the second in the priority list and was taken up. This Cluster is then modified by adding more wards and is divided into 3 zones. Zone 1 of cluster 3 is consisting of Puthenpally and Part of Muttathara (until STP) was taken up on priority based on the demand of Thiruvananthapuram Corporation. DPR of Cluster 3 Zone 1, Puthanpalli ward for 1.5 MLD Sewerage network with 5 year O&M

								and without centage submitted to Corporation under AMRUT2.0 on 11/1/23.The DPR of Cluster 3 Zone 2 and Zone 3 is prepared and submitted on 21.01.2023. The DPR for cluster 2 submitted on 27.02.2023 and is verified and kept in Shelf. The DPR for cluster 4 (Thirumala Thrikkannapuram and Punnakkamughal wards) is prepared and submitted on 30.03.2023 with pvt land. And as suggested for identifying Corporation/Govt. lands for the collection well and STP proposed is being done and after obtaining sanction of the Puramboke land identified, there will be changes in the designof network and action being taken to revise the estimate accordingly. DPR for Cluster IX(priority wards (Vizhinjam and Harbour area) completed and submitted on 29.09.2023. Land for STP identified and the confirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham, Vettucaud, Vallakadavu , Beemapalli (part), Beemapalli East (part), Valiyathura and Kadakampally is under preparation. DPR forCluster 3 Zone 1&3 estimate revised and submitted the same to Corporation for getting AS under UIDF.
	Total Amount		5000Crs.					

Works other than that listed in Short Term Action Plan, completed /ongoing in Karamana River Stretch is attached herewith for perusal.

Chief Engineer (Sewerage PPD& WASCON)

WORKS UNDERTAKEN AS PART OF ACTION PLAN

STATE PLAN 2021-22

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
1	TSS - Providing and laying 300mm dia main and 200mm SW branch sewer line towards Sreekrishna Nagar infront of Jagathy School in Jagathy Kochar Road	Sewerage Division, KWA, Trivandrum	State Plan		Completed
2	TSS –Reconstruction of old dilapidated brick manholes with R C C and Raising of manhole covers in the Central R C area under Sewerage Section , Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
3	TSS - Reconstruction of old dilapidated brick man holes, Raising of man holes and Replacement of RCC Covers with CI covers at Thaliyil and Karuvalikkunnu area under Sewerage Section 2	Sewerage Division, KWA, Trivandrum	State Plan		Completed
4	TSS - Reconstruction of old dilapidated brick man holes and raising of man holes at Enchakkal Sreevaraham area under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
5	TSS - Reconstruction of old dilapidated brick man holes, Raising of man holes and Replacement of RCC Covers with CI covers at Poojappura and Arannoor area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
6	TSS –Reconstruction of old dilapidated rick manholes with R C C and Raising of manhole covers in the West R C area under Sewerage Section , Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
7	TSS - Urgent construction of compound wall and fencing at Karuvalikunnu Sub section office compound	Sewerage Division, KWA, Trivandrum	State Plan		Completed
8	Renovation of Puthenkotta Sub Section Office and construction of compound wall, reconstruction of damaged compound walls with barbed wire fencing protection at Kuriathy pumphouse premises and Arannoor pumphouse under Sewerage Section II,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed

9	TSS -Zone II - Laying 600mm dia RCC NP3 pipe sewer main towards Edapazhanji Chithra nagar (IV th reach) Chainage 2738 m to 2908 m for land acquisition cost	Sewerage Division, KWA, Trivandrum	State Plan		Completed
10	TSS - D Block - Zone II - Supplying Conveying and Laying 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam to Kannamoola - Ch 0 to 342m	Sewerage Division, KWA, Trivandrum	State Plan		Ongoing
11	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers at Thampanoor and Manjalikulam area under sewerage section No.2,Kuriath.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
12	TSS - Reconstruction of old dilapidated brick man holes and raising of man holes at Fort - Chala area under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
13	TSS - Reconstruction of old dilapidated brick man holes and raising of man holes at Palkulangara - Pettah area under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
14	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers in the Right RC Area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
15	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers in the Left RC Area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
16	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers at Thaliyal and Karuvalikunnu area under sewerage section No.2,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed

17	TSS - D Block - Zone II - Supplying Conveying and Laying 700 mm dia RCC NP3 pipe sewer Trunk main II from Murinjapalam towards Kannammoola Ch. 342 M to 952 M - land acquisition cost	Sewerage Division, KWA, Trivandrum	State Plan		Ongoing
18	TSS - Rehabilitation and up gradation of sewer lines and construction of man holes at , Kunnumpuram - Dhanya Ramya theatre road opposite Ayurveda college Pay wards	Sewerage Division, KWA, Trivandrum	State Plan		Completed
19	TSS - Rehabilitation of Sewer network at Chayakudi Lane and its cross roads	Sewerage Division, KWA, Trivandrum	State Plan		Completed
20	TSS - Increasing capacity of sewer lines and constructing RCC man holes at Sreenagar Manacaud	Sewerage Division, KWA, Trivandrum	State Plan		Completed
21	TSS - Urgent rectification of Sewerage Network to replacement of damaged 225mm SW pipes with 250mm SW pipe and Construction of new manholes at Bhagat Singh road and Pettah - Kannammoola Poad, Pettah, Trivandrum	Sewerage Division, KWA, Trivandrum	State Plan		Completed
22	TSS -Providing and laying 150mm SW branch sewer line (six branches) in Chenneseri lane in Maruthamkuzhi residents Association	Sewerage Division, KWA, Trivandrum	State Plan		Completed
23	TSS - Increasing capacity of 150mm SW pipe to 200 mm SW pipe and constructing RCC manholes at Koopakkaramadom	Sewerage Division, KWA, Trivandrum	State Plan		Completed
24	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers in the West RC Area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
25	TSS - Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers in the Central RC Area	Sewerage Division, KWA, Trivandrum	State Plan		Completed

26	TSS -Pettah Flyover Service line from Thoppil lane junction to Railway line on Anayara byeroad	Sewerage Division, KWA, Trivandrum	State Plan		Completed
27	TSS -Providing and laying 300mm dia sewer main from Edapazinji jn towards Palottukonam lane for interconnecting the existing 300 mm lane already laid in Palottukonam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
28	TSS -Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers at Poojapura and Arannoor area under sewerage section No.2,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
29	TSS - Providing and laying 200mm SW sewer line in Kedaram line near Murinjaplam from KRA 161 to 167 in Pattom ward	Sewerage Division, KWA, Trivandrum	State Plan		Completed
30	TSS - Providing and laying 200mm SW sewer line from House No. 204 to 231 at CSM Nagar	Sewerage Division, KWA, Trivandrum	State Plan		Completed
31	TSS - E Block Zone 2nd reach and Balance of 3rd zone- Providing Land acquisation charges for land already taken in advance position by KWA for laying 300mm RCC pipes in Peroorkada Mannamoola area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
32	TSS- E Block Zone II - Laying 630mm dia HDPE pipe sewer main from Edapazhanji to Chithra nagar first reach- Ch 1841 m to 2133 m	Sewerage Division, KWA, Trivandrum	State Plan		Ongoing
33	TSS- Rehabilitation of sewer lines and reconstruction of damaged manholes in Thycaud Elamkam Garden lane from TENRA 144 to TENRA 199 A and from TNRA 158 to TNRA 208 under Sewerage Section II,Kuriyathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed

34	TSS- Rehabilitation of existing sewer lines and extension of sewer networks at Podiyadi,Pandarakulam in Thaliyil TRWA/STRA area,Nedumcadu ward of Thiruvananthapuram Corporation under Sewerage Section II,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
35	TSS-Replacing of old and damaged 150 mm SW sewer line with 200 mm SW sewer line from Maruthankuzhy Ganapathy temple Jn through side of Kochar Road to Triveni Lane and replacing of old and damaged 150 mm SW sewer line with 250 mm sewer line at Panickers lane F lane	Sewerage Division, KWA, Trivandrum	State Plan		Completed
36	TSS- Providing sewer lines at Kadappathala lane in Oolampara Sasthamangalam Pippinmoodu Road	Sewerage Division, KWA, Trivandrum	State Plan		Completed
37	TSS-Increasing the capacity of 100mm dia SW pipe to 150mm and 200mm dia and construction of man holes at B and D block Flats of Karimadam Colony, Attakulangara.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
38	TSS-Supply, installation, testing & commissioning of one number additional 250 KVA DG set incomer feeder of 400 A rating in the existing main panel installed at Sewage pump house, Kuriathy, Thiruvananthapuram	Sewerage Division, KWA, Trivandrum	State Plan		Completed
39	TSS - Supply, installation, testing and commissioning of 250 KVAR Automatic Power Factor Correction (APFC) Panel and HT metering cubicle including replacement of Current transformer at Sewage pump house, Kuriathy.	Sewerage Division, KWA, Trivandrum	State Plan		Completed

40	TSS – Temporary rerouting of the 450 mm CI sewerage pumping main from Pattoor pump house- Laying 500 mm DI dia pumping main from Pattoor pumphouse to V. V. Nagar to replace the bursted pumping main at Pattoor	Sewerage Division, KWA, Trivandrum	State Plan		Completed
41	TSS - Interconnection work with 200 mm SW pipe line from the existing sewer line in front of Thampanoor Police Station to Aristo Junction	Sewerage Division, KWA, Trivandrum	State Plan		Completed
42	TSS-Providing and laying 200mm SW sewer line from RP lane towards Kuravankonam main line under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
43	TSS-Increasing capacity of 150 mm SW pipe to 200 mm SW pipe and constructing RCC manholes at Manacaud Valiyapalli,Thampuran Nagar, Avittom Thirunaal Welfare Association, CRW-77 to 82 and KRWA-144 to 155 under Sewerage Section 1 , Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
44	TSS-Providing sewage facility/rehabilitation of damaged line in six branch lanes at Athani,Vanchiyoor	Sewerage Division, KWA, Trivandrum	State Plan		Completed
45	TSS - Providing and laying 200 mm SW sewer line from DBRA 93 at Devaswom Board Jn.Nanthancode by replacing old damaged 150mm sewer line under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
46	TSS-Providing and laying 200mm SW sewer line at Regent Court lane,Kuravankonam under Sewerage Section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
47	TSS -Providing and laying 250 mm SW sewer line interconnecting from Sreerangam lane towards CSM Nagar under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed

48	TSS-Replacing of old and damaged 150 mm SW sewer line with 300 mm SW sewer line,near Sreekrishna Swami Temple, Ambalamukku from East Nada to Murali lane, under sewerage section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
49	TSS-Providing and laying 200 mm SW sewer line from House No.VRA-14 to VRA-37 in Madancovil lane Vellayambalam under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
50	TSS-Providing and laying 200 mm SW sewer line at Puthupalli lane from House No.PRA-68 at Chalakuzhy- under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
51	TSS-Providing and laying 200 mm SW sewer line from House No.63 to 70 at CSM Nagar- under Sewerage Section,Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
52	TSS- Replacing of old and damaged 100mm SW sewer line with 200 mm SW sewer line at Pullaikonam Lane,Sasthamangalam under Sewerage Section,Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
53	TSS-Replacing of old damaged 150 mm, SW sewer line with 250 mm SW sewer line at Panicker's Lane C-Lane under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
54	TSS-Providing and laying 200mm dia SW sewer branch line at Pallivila Lane and branches of Mythiri Lane in Kuravankonam-Ambalamukku Road	Sewerage Division, KWA, Trivandrum	State Plan		Ongoing
55	TSS-Standardization of electrical installation of 315 KVA substation at Kannammoola pump house	Sewerage Division, KWA, Trivandrum	State Plan		Completed
56	TSS -Providing and laying 200 mm SW sewer line at Thamarabhagam near pond , Kumarapuram under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed

57	TSS- Providing and laying 200 mm SW Sewer line and reconstructing damaged junction pits at Madancovil Lane to RNP Lane at the side of drain under Sewerage Section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan		Completed
58	TSS- Providing and laying 300 mm and 250 mm SW sewer line at Koonamkulam Lane from pond to Paloor Lane by replacing old damaged undersized pipes under Sewerage Section, Sasthamangalam (Reach I)	Sewerage Division, KWA, Trivandrum	State Plan		Completed
59	TSS- Providing and laying 250 mm SW sewer line at Koonamkulam Lane from pond to Paloor Lane by replacing old damaged under sized pipes under Sewerage Section, Sasthamangalam (Reach II)	Sewerage Division, KWA, Trivandrum	State Plan		Completed
60	TSS- Providing and laying 200 mm SW sewer line at Koonamkulam lane from KPRA-A-56(8) and Pottakuzhi Jeevan Nagar-Karimbichivilla under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
61	TSS-Maintenance of septage receiving station at 107 MLD STP at Muttathara-Supply, erection and trial running of non clog sewage submersible pumpset for Dilution tank	Sewerage Division, KWA, Trivandrum	State Plan		Dropped
62	TSS-Providing sewer line towards House no. RNRA 21 to 25 C,D,E Lane and RNRA E7 of Resmi Lane Muttada	Sewerage Division, KWA, Trivandrum	State Plan		Completed
64	TSS-E-block Zone II-Laying 600 mm RCC NP3 pipe sewer main towards Edappazhinji Chitra Nagar (IVth reach) Chainage 2738m to 2908 m in connection with the commissioning of Jagathy-Kootamvila scheme- Land acquisition charges -Balance amount	Sewerage Division, KWA, Trivandrum	State Plan		Completed

STATE PLAN 2022-23

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status

1	TSS-Reconstruction of old dilapidated brick manholes and raising of manholes at Enchakkal -Sreevaraham area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
2	TSS-Reconstruction of old dilapidated brick manholes and raising of manholes at Pettah Palkulangara area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
3	TSS-Mace-Urgent re-laying of 400 mm dia RCC sewer main and allied works at Azhikotta Jn under Sewerage Section No-1, Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Work short closed as per SE's direction.
4	TSS- Replacing of old and damaged 100 mm SW sewer line with 200 mm SW sewer line at Bains Compound and Cliff house area in Nanthancode ward under sewerage section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Dropped
5	TSS-Providing and laying 200mm SW Sewer line at Forest office C- lane by replacing and diverting old damaged 150mm SW pipe, under Sewerage Section,Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
6	TSS- Replacing of old and damaged 225 mm SW sewer line with 300 mm SW sewer line, Mangalam Lane 3 in Sasthamangalam Ward, under Sewerage Section,Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
1	TSS Replacing of old and damaged 150 mm SW sewer line with 300 mm SW sewer line, MP Appan road, Vazhuthacaud under Sewerage Section,Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
2	TSS -Replacing of old and damaged 100 mm SW sewer line with 200 mm SW sewer line from in front of Pittappilli Agency Vellayambalam Jn. Gardens. Towards Elangam Gardens	Sewerage Division, KWA, Trivandrum	State Plan		Completed

3	TSS- Providing and laying 200mm SW sewer line at D-Lane (SEKT D1 to D6) and L-Lane (L1 to L6) in Kurups Lane and Sreerangam Lane House no. A-40 to 50 in 6 Sasthamangalam ward and Jagathy near UP School, House no SKNRA 129 to 134(A) in Jagathy ward,	Sewerage Division, KWA, Trivandrum	State Plan		Completed
4	TSS-Rehabilitation of damaged sewer lines and reconstruction of dilapidated brick man holes at various places in Pettah area	Sewerage Division, KWA, Trivandrum	State Plan		Completed
5	TSS-Laying new sewerage line/discarding the old one with 250 mm SW pipe from PF Office to Pattom junction (near IOC Pump) under Sewerage Section No-II , Kuryathi	Sewerage Division, KWA, Trivandrum	State Plan		Completed
6	TSS-Upgradation of existing sewer line 150mm SW pipes to 250mm SW pipe and construction of new manholes from Therakom Junction to Puthenkotta under Sewerage	Sewerage Division, KWA, Trivandrum	State Plan		Waiting for PWD Cutting sanction, Restoration amount remitted
7	TSS-Mace -Laying new 200mm sewer line from Attinkuzhi (Vattavila lane) Puthenkotta under sewerage section -II - Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
8	State Plan 2022-23-TSS-Construction of new parking shed for the newly purchased Department Vehicles (Sucking,jetting,desilting vehicles) at Kuriathy Sewerage South Sub Division premise	Sewerage Division, KWA, Trivandrum	State Plan		Completed
9	State Plan 2022-2023-TSS-E Block Zone II Laying 630 mm dia HDPE pipe sewer main from Edappazhanji to Chithra Nagar Ist Reach-CH.1841m to 2133 m-Additional Administrative Sanction for Rs. 50.10 lakhs (164.9+50.10) + Part 1	Sewerage Division, KWA, Trivandrum	State Plan		Well steining concrete in respect of 3 manholes and its scooping works were completed.
10	Part b - Gap	Sewerage Division, KWA, Trivandrum	State Plan		

11	State Plan 2022-23- TSS-Increasing the capacity of 150 mm dia SW pipe to 200 mm SW pipe and constructing RCC manholes at Uppalam Road residence association URR 11 A to URR 23 A under the area of Sewerage Section I,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
12	State Plan 2022-23-TSSReconstruction of old dilapidated brick manholes and raising of manholes in Thaliyal & Karuvalikunnu areas	Sewerage Division, KWA, Trivandrum	State Plan		Completed
13	State Plan 2022-23-TSS Reconstruction of old dilapidated brick manholes with RCC and raising of manhole covers in the Central and Right RC area under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
14	State Plan 2022-23-TSS Reconstruction of old dilapidated brick manholes with RCC and raising of manhole covers in the Left and West RC area under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
15	State Plan 2022-23- TSS Mace-Supply,erecting and commissioning of 200 HP slow speed non clog flood proof submersible pump set and allied works at Kuriathy pump house	Sewerage Division, KWA, Trivandrum	State Plan		Pump installation completed and commissioned.
16	State Plan 2022-23- TSS-Zone II -Laying 600 mm dia RCC NP3 pipe sewer main towards Edapazhinji Chitra Nagar (IV th Reach) Ch 2738 to 2908 m in connection with the commissioning of Jagathy Kootamvila Scheme	Sewerage Division, KWA, Trivandrum	State Plan		Completed
17	State Plan 2022-23-TSS-Renovation of open drain from Kuriathy Pump house premise to public drain,	Sewerage Division, KWA, Trivandrum	State Plan		Completed
18	"Trivandrum Sewerage Scheme"-Providing and Laying Pipe from common manhole of sewer line at Ayyankali road to Nellikuzhy	Sewerage Division, KWA, Trivandrum	State Plan		

19	State Plan 2022-23-Reconstruction of old dilapidated brick man holes,raising of man holes and replacement of RCC Covers with CI covers at Thampanoor and Manjalikkulam area	Sewerage Division, KWA, Trivandrum	State Plan		completed
20	TSS-Rehabilitation of sewer line in Kanthalloor Mahadeva Temple lane in Valiyasala ward under Sewerage Section no.II,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Completed
21	` TSS-E Block Zone II Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common man hole (Ch.512 m to 785 m) & inter connection of 700mm dia DI pipe between Jagathy Chadiyara sewer main and parallel main across Killi river and constructing 450mm dia bored cast in situ piles inside of river and connected works(Ch 649 m to 679 m)-Additional Administrative Sanction	Sewerage Division, KWA, Trivandrum	State Plan		27 No of 700 mm RCC pipe laid . MH 1 to MH 6 completed. MH 7 and pipe laying in progress .
22	State Plan 2022-23 - TSS-Urgent rehabilitation of sewerage network by replacement of damaged 150 mm SW pipes with 300 mm SW pipe and construction of new manholes from Decent Mukku Jn to Pumphouse Road	Sewerage Division, KWA, Trivandrum	State Plan		
23	State Plan 2022-23 - TSS-Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers at Thycaud and Poojappura RC areas	Sewerage Division, KWA, Trivandrum	State Plan		Completed
24	State Plan 2022-23 - TSS-Replacing of old and damaged 100mm SW sewer line with 200 mm SW sewer line at Pullaikonam lane Sasthamangalam-Additional AS	Sewerage Division, KWA, Trivandrum	State Plan		Completed

25	State Plan 2022-23 -TSS-Providing and laying 200 mm SW sewer line from house No 63 to 70 at CSM Nagar under Sewerage Section,Sasthamangalam-Additional AS	Sewerage Division, KWA, Trivandrum	State Plan		Completed
26	State Plan 2022-23-TSS-Replacing of old and damaged 150 mm SW sewer line with 200 mm SW sewer line from house no J47 to J16 at Janvilla Lane, Sasthamangalam ward under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
27	State Plan 2022-23 - TSS-Replacing of old and damaged 225 mm SW sewer line from Vazhuthacadu NC Hospital Jn to House no. MPNRA 95 at MP Appan Road, Vazhuthacadu under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Completed
28	State Plan 2022-23-Attukal Pongala 2023-TSS-Preventive maintenance - Cleaning the sewer main and branch line using bucket type sewer cleaning machine under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		Work arranged in connection with Attukal Ponkala and is completd
29	State Plan 2022-23-Attukal Pongala 2023-TSS-Preventive maintenance - Raising of manhole covers and supplying and fixing CI MH cover at Palkulangara, Pettah and Enchakkal under Sewerage Section I,Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Work arranged in connection with Attukal Ponkala and is completd
30	State Plan 2022-23-Attukal Pongala 2023-TSS-Preventive maintenance - Raising of man hole covers and supplying and fixing CI MH cover at Thampanoor and Manjalikulam RC areas under Sewerage Section No.II - Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Work arranged in connection with Attukal Ponkala and is completd

31	State Plan 2022-23-TSS-Bucket cleaning - Cleaning the sewer line in Thampanoor - Mosque lane - Chempaka Nagar stretch under Sewerage Section No. II Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan		Work arranged in connection with Attukal Ponkala and is completd
32	State Plan 2022-23-TSS-Urgent replacement of 12.5m of 500mm dia MS pumping main from Kannamoola to Perunelli stilling chamber near Kannammoola pumphouse(near car workshop	Sewerage Division, KWA, Trivandrum	State Plan		No response in tender calls, to be re-tendered

STATE PLAN 2023-24

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
1	State Plan 2023-24- TSS-Increasing the capacity of sewage pipe line and reconstructing RCC manholes from Puttukada-Thattukada junction to BSNL Exchange office, Kaithamukku jn. at Fort Ward	Sewerage Division, KWA, Trivandrum	State Plan	30-04-2025	**Completed**
2	State Plan 2023-24- TSS-Reconstruction of old dilapidated brick manholes and construction of new manholes in various places at Fort, Chalai area	Sewerage Division, KWA, Trivandrum	State Plan	31-01-2025	**Completed**
3	State Plan 2023-24- TSS – Reconstruction of old dilapidated brick manholes and construction of new manholes in various places at Enchakkal, Sreevaraham area	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
4	State Plan 2023-24- TSS-Reconstruction of damaged man holes and rehabilitation of sewer line at Fort hospital Junction to Fort Bakery Junction , Sreekanteswaram .	Sewerage Division, KWA, Trivandrum	State Plan	30-05-2025	**Completed**
5	State Plan 2023-24- TSS-Increasing the capacity of sewage pipe line and reconstructing RCC manholes in PRRAP 40 to 49 in ARRA 89 to 129 and VJRA 19 to 25 in Vanchiyoor ward .	Sewerage Division, KWA, Trivandrum	State Plan	30-08-2025	**Work ongoing**

6	State Plan 2023-24-TSS - Rehabilitation of damaged sewer lines and reconstruction of dilapidated brick manholes in Nandini Gardens, Kothalam .	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
7	State Plan 2023-24-TSS- Increasing the capacity of sewage pipe line and reconstructing RCC manholes in back side of Kottuval Street, Sabhavathy road near Gandhi hotel,Karikkada lane,Pattuvilakam street and Kamukuvilakam street at Chalai Ward	Sewerage Division, KWA, Trivandrum	State Plan	31-08-2024	**Work ongoing**
8	State Plan 2023-24- TSS- Providing and laying of 200 mm dia SW sewer branch line in the end of Vyasa Nagar near Turfsy sports hub to house No 73(AC) in Paruthipara .	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
9	State Plan 2023-24- TSS- Supplying and laying of 250 mm dia SW sewer line from Anaswara lane to existing MH to Njaramoodu .	Sewerage Division, KWA, Trivandrum	State Plan	30.04.2025	**Completed**
10	State Plan 2023-24- TSS- Laying of 160 mm PVC sewer line near Poonthura Vilakom Lane in Maruthamkuzhy Residence Assosiation .	Sewerage Division, KWA, Trivandrum	State Plan	30.04.2024	**Completed**
11	State Plan 2023-24- TSS- Laying 200 mm dia SW pipe sewer branch line from existing MH to the residential area near Pangode military camp	Sewerage Division, KWA, Trivandrum	State Plan	30.06.2025	**Completed**
12	State Plan 2023-24- TSS- Laying 150 mm dia SW pipe sewer branch line towards Padayani Gardens Association	Sewerage Division, KWA, Trivandrum	State Plan	30.05.2025	**Completed**
13	State Plan 2023-24-TSS- Replacing old and damaged 150mm & 100mm SW sewer line from House no. A61 to Shanthigiri hospital at Sasthamangalam ward	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**

14	State Plan 2023-24-TSS-Replacing of old and damaged 100&150mm SW line with 200mm SW sewer line from Vazhuthacadu Mohanan road towards CSM Nagar Vazhuthacadu ward	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Completed**
15	State Plan 2023-24-TSS-Reconstruction of old dilapidate brick manhole with RCC and raising o f manhole covers in LEFT and WEST R C area under Sewerage Section ,Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan	30.04.2025	**Work ongoing**
16	State Plan 2023 - 24 - TSS - Providing and laying 200 mm SW sewer line at Subramoniam lane near Edapazhinji	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Completed**
17	State Plan 2023-24-TSS-Replacing of old and damaged 100 mm sewer line .with 200 SW sewer line in Kowdiar SS Kovil F lane	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**
18	State Plan 2023-24-TSS-Providing and laying250mm SW sewer line from Paloor lane House no.KPRA A55(2) to Koonamkulam pond near transformer	Sewerage Division, KWA, Trivandrum	State Plan	30.06.2025	**Completed**
19	State Plan 2023-24-TSS-Replacing of old and damaged 150&200 mm SW sewer line with 300mm SW sewer line from Artech Rama Appartment through Panicker's lane F lane	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**
20	State Plan 2023-24-TSS-Providing CI manhole cover , raising of cover slab in road level and levelling the undulated portion of Kedaram lane and branch road of Pattom ward	Sewerage Division, KWA, Trivandrum	State Plan	30.06.2025	**Completed**
21	State Plan 2023-24-TSS-Replacing of old and damaged 100 &150 mm SW sewer line with 200 SW sewer line in Kanaka Nager Residence area	Sewerage Division, KWA, Trivandrum	State Plan	31.06.2025	**Completed**

22	State Plan - 2023-24-TSS-Reconstruction of old dilapidated brick manholes with RCC and raising of manhole cover in the central and right RC area under Sewerage Section,Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**
23	State Plan - 2023-24-TSS-Reconstruction of old dilapidated brick manholes and construction of New manholes in various places at Palkulangara, Pettah ward, manhole cover sewerage section -1	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**
24	State plan 2023 - 24 - TSS - Reconstruction of old dilapidated brick man holes , construction of new man holes, raising of man holes & supplying CI MH covers in Pettah,Kannanmmoola & Kunnukuzhy, Pattom wards	Sewerage Division, KWA, Trivandrum	State Plan	30-06-2025	**Work ongoing**
25	State Plan 2023 - 24 - TSS - Reconstruction of old dilapidated brick man holes, raising of man holes & supplying CI MH covers in Valiyasala, Nedumcadu Chalai Kuriyathy,Attukal wards,	Sewerage Division, KWA, Trivandrum	State Plan	15-02-2025	**Completed**
26	State Plan 2023 - 24 - TSS - Reconstruction of old dilapidated brick man holes construction of new man holes, raising of man holes & supplying CI MH covers in Arannoor ,Jagathy, Karamana, Poojappura, mudvanmugal, Kalady wards	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
27	State Plan 2023 - 24 - TSS - Rehabilitation of sewer lines construction of new man holes, Reconstruction of old dilapidated man holess, raising of man holes & supplying CI covers IN Thampannoor , Vanchiyoor, Palayam, vazhuthacadu and Thycadu wards	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Agreement Executed**

28	State Plan 2023 - 24 Supply and Laying 200mm SW pipe near to Chilanthivala pond,Elamkom and replacing the existing sewer line from Chilathivala pond towards Elamkom road	Sewerage Division, KWA, Trivandrum	State Plan	28-02-2025	**Completed**
29	State Plan 2023 - 24 -TSS- Providing and laying 200mm SW sewer lines in Manjadimoodu Residence Association and PRA Lane No.1 in Padayani lane in Maruthumkuzhy.	Sewerage Division, KWA, Trivandrum	State Plan	30.06.2025	**Completed**
30	State Plan 2023 - 24- TSS- Providing and Laying 150mm SW Sewer line towards Green Valley Residents associaton (GVRA) in Muttada- Sewerage Work	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
31	State Plan 2023 - 24 -TSS- Providing 200mm SW sewer line in branches in Maruthumkuzhy area near Udiyanoor Temple (Kshethara kadavu lane, Udiyanoor lane, Sivashankara Lane & Thamburan Lane)	Sewerage Division, KWA, Trivandrum	State Plan	30.05.2025	**Completed**
32	State Plan 2023 - 24-TSS- Providing and laying 200mm SW pipe sewer lines in 2 branches along Bains compound- near Nanthancode junction- Sewerage Work	Sewerage Division, KWA, Trivandrum	State Plan	31.01.2025	**Completed**
33	State Plan 2023-24- TSS- Urgent relaying of damaged gravity main at Sreevaraham junction	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2025	**Work ongoing**
34	State Plan 2023-24 -TSS - Increasing the capacity of sewage pipe line and reconstructing RCC manholes in Chembakassery, Eenchakkal Vallakkadavu road & Plancheri Lane at Perunthanni Ward	Sewerage Division, KWA, Trivandrum	State Plan	28-02-2025	**Work ongoing**

35	State Plan 2023-24-TSS-Increasing capacity of SW pipe from Garudan Junction to Market Junction in Sreevaraham Ward including Payikkattu lane, Panamoodu lane, Ullattu lane.Adikkathara lane (SKRA-1 to107) & Kilikkodu Lane	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2025	**Work ongoing**
36	State Plan 2023-24-TSS - Rehabilitation of damaged sewer line and reconstruction of old dilapidated brick manholes in Fort & Enchakkal area	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
37	State Plan 2023-24-TSS Plan 30- 2023 - 24 - TSS - Rehabilitation of existing damaged 100 mm CI pipe with 160 mm 10 kg/cm2 PVC pipe. construction of new manholes at Thaliyal Residential Association from TRWA-413 to TRWA-419 & supply and laying 250 mm SW pipe in Harisree Residential Association (HSRA-D-47to KSRA-D-43) & TR WA.- 200- TRWA-235 at Kalady	Sewerage Division, KWA, Trivandrum	State Plan	30-06-2025	**Completed**
38	State Plan 2023-24-TSS - Rehabilitation of existing damaged 100mm pvc pipe to 200mm SW pipe at Nandavanam in Valiasala ward fromelectric post no T/MK/15 to TC/23/90,91, electric post no T/MK/12 to electric post no T/MK/9,and electric post no T/MK/8 to electric post no T/MK/6	Sewerage Division, KWA, Trivandrum	State Plan	30-04-2025	**Work ongoing**
39	State Plan 2023-24-TSS-Rehabilitation of sewer main from Sivanagar to Pump house road across Killipalam Attakulangara Bypass	Sewerage Division, KWA, Trivandrum	State Plan	Dropped	**Dropped**

40	State Plan -2023-2024 - Rehabilitation of existing 150mm SW pipe with 250mm SW dia from opposite lane to Maruti service center to house No. GNRA -193-A and construction of man holes at Pulichivila lane - CIT road at Arannoor ward	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
41	State Plan 2023-24-TSS Laying and rehabilitation of sewerage system at Karamana MA Khadar road, Karamana Masjid lane, by lane near Mosque, & Karamana Sreedevi nagar	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2026	**Agreement Executed**
42	State Plan-2023-24-TSS-Providing and laying 200 mm dia SW sewer branches (15 Nos) from Edapazhanji Chithra Nagar junction to Njaramoodu Junction .	Sewerage Division, KWA, Trivandrum	State Plan	30.09.2025	**Work ongoing**
43	State Plan-2023-24-TSS-Mace-Pilot project-GIS mapping of manholes in the maintenance area under Sewerage Division Pattoor.	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
44	State Plan-2023-24-TSS-Providing 200m Dia Sewer main from Edapazhinji Jn towards CSM Nagar	Sewerage Division, KWA, Trivandrum	State Plan	30.11.2025	**Completed**
45	Replacing worn out impeller set of 190 HP Xylem pumpset at Kuriathy New Pump House-TSS- Replacing worn out impeller set of 190 HP Xylem pumpset at Kuriathy New Pump House	Sewerage Division, KWA, Trivandrum	State Plan		**Terminated**
46	200 HP slow speed non clog flood proof submersible pump set and allied works at Kuriathy Pump House	Sewerage Division, KWA, Trivandrum	State Plan	completed	**Completed**
47	Kadapathala Oolampara Retarring	Sewerage Division, KWA, Trivandrum	State Plan	Completed	**Completed**
48	State Plan 2023-24 - NGT-Rectification of breakage line towards Pattoor pump house from narrow lane between Indian Veneer Company and canal (Amayizhanjan thodu) near Pattoor junction - under Sewerage Section No. II Kuriyathy.	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2026	**Work ongoing**

49	State Plan 2023-24 - TSS-supply erection trial run and commissioning of dry well submersible stand by pump set at Murinjapalam pump house	Sewerage Division, KWA, Trivandrum	State Plan	15.07.2025	**Tender evaluation**
50	State Plan 2023-24 - TSS-supply erection trial run and commissioning of wet well submersible stand by pump set at Kannammoola	Sewerage Division, KWA, Trivandrum	State Plan	15.06.2025	**Work ongoing**
51	State Plan 2023-24 - TSS-supply erection trial run andcommissioning of non clogwet well installed flood proof submersible pump set suitable for pumping raw sewage at Pattoor pump house	Sewerage Division, KWA, Trivandrum	State Plan	15.06.2025	**Work ongoing**
52	State Plan 2023-24 - TSS-supply erection trial run and commissioning of non clog dry installed flood proof submersible pump set suitable for pumping raw sewage at Plamoodu pump house	Sewerage Division, KWA, Trivandrum	State Plan	30.07.2025	**Retendered**

STATE PLAN 2024-25

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
1	Rehabilitation & upgradation of sewer lines and manholes in Sree Ganga nagar Welfare Residents Association in Kuryathi ward	Sewerage Division, KWA, Trivandrum	State Plan	31.12.2025	**Work ongoing**
2	Laying new sewer line in Munnazhithalakkal from TC.No. 20/222(1) to TC No. 20/296	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
3	Rehabitation of existing sewer main from electric post number PJ/PJ 50/9/3 to Jagathy post office	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work Awarded**
4	Rehabilitation of existing sewer main from Sivalayam road infront of CITU labour weighting shed to PJ/PJP/116 near Kannettumukku	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
5	Rehabilitation & replacement of damaged sewer line and construction new man holes at Mannadi Bhagavathi Temple from JNRA-B-40 to JNRA-C-32 at Nedumcaud ward	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**

6	State Plan-2024 - 2025 - zone 1- Reconstruction of old dilapidated brick man holes, raising of man hole covers under - Sewerage section no: II Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2026	**Completed**
7	State Plan-2024-2025 - Laying sewerage line at VYASA nagar, Valiyasalai	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
8	Supplying erecting and commissioning of 01 No 30HP wet well type submersible pumpset at Enchakkal pump house	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Completed**
9	TSS - Increasing the capacity of Sewage pipe line and reconstructing RCC manholes in chempakassery transformer lane and keezhe veedu colony in Perunthanni Ward	Sewerage Division, KWA, Trivandrum	State Plan	30-08-2025	**Completed**
10	TSS Mace - Rehabilitation of damaged sewer lines and reconstruction of manholes in S N Nagar in Pettah Ward	Sewerage Division, KWA, Trivandrum	State Plan	31-10-2025	**Work ongoing**
11	TSS - Reconstruction of damaged manholes under Kuriathy Section no. 1 (2 works)	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2026	**Work ongoing**
12	TSS - Relaying of damaged sewer line and reconstruction of old dilapidated manholes in MGRA 68-70, MGRA 58 to KNRA 42, APRA 1E (near kulathinkara, palkulangara devi temple) in Palkulangara ward & MRA 102 at kaithamukku	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
13	TSS Relaying of damaged sewer line and reconstruction of old dilapidated manholes in Statue - GPO road and Mamballi lane	Sewerage Division, KWA, Trivandrum	State Plan	31-12-2025	**Work ongoing**
14	TSS- Supply and laying alternate 900mm DI pumping main from sewerage pump house at kuriathy upto bypass at kallumood	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**
15	State Plan 2024-2025- Replacing of old and damaged sewer line through NB Street and NSS Karayogam of Jawaher Nager in Kowdiar Ward	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Work ongoing**

16	State Plan 2024-2025-Replacing of old and damaged sewer line from Ambalamukku Vrindavan Gardens to Oolampara junction for Rectify Sewerage overflow in Ambalamukku sreekrishna Temple	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**
17	State Plan 2024-25-Manhole construction- -Reconstruction of old dilapidated brick manholes with R C C and Raising of manhole covers in the areas under Sewerage Section , Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Work ongoing**
18	Stateplan 2024-25-Althara main street--Replacing of old and damaged SW sewer line in Vellayambalam Althara nagar Althara main street towards CSM nagar and near Heera Blueberry	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**
19	State Plan 2024-2025 Replacing of old and damaged sewer line from Vazhuthacadu Mohanan road towards CSM nagar Balance work at Vazhuthacadu ward	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Completed**
20	State Plan 2024-2025- Laying of New Sewerage Line at Sasthamangalam, Kurups Lane, N Lane & Thamarakkulam Lane, Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan	31.06.2025	**Completed**
21	State Plan-2024-25 - TSS-Replacing 500 mm CI pumping main from Kannamoola to Muttathara Sewerage Treatment Plant by HDPE 630mm dia pipe using horizontal directional drilling method	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**
22	State Plan-2024-25-TSS – Replacing 450 mm CI pumping main from Pattoor to Muttathara Sewerage Treatment Plant by HDPE 500mm Outer dia pipe using horizontal directional drilling method	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**

23	State Plan-2024-25 - providing roofing sheet for diesel generator installed at Plamoodu, Murinjapalam, Kannamoola and Pattoor pump houses, walking arragements at bottom portion inside plamoodu pump house and replacing screening at grid chamber at Plamoodu, Murinjapalam and Pattoor pump houses	Sewerage Division, KWA, Trivandrum	State Plan	31.05.2025	**Work ongoing**
24	State Plan-2024-25 - TSS- Supply, erection, trial-run and commissioning of c/f stand by pump set at Kannammoola pump house	Sewerage Division, KWA, Trivandrum	State Plan	25.03.2025	**Work ongoing**
25	State Plan-2024-25 - TSS- Supply, erection, trial-run and commissioning of c/f stand by pump set at Plamoodu pump house	Sewerage Division, KWA, Trivandrum	State Plan	30.04.2025	**Work ongoing**
26	State Plan-2024-25 - TSS- Supply, erection, trial-run and commissioning of c/f stand by pump set at Murinjapalam pump house	Sewerage Division, KWA, Trivandrum	State Plan	30.08.2024	**Recast Estimate**
27	State Plan-2024-25 - TSS - Raising of Manholes at Vivekananda Nagar and sastha Nagar in connection with the commissioning of Jagathy - Koottamvila Scheme and Laying 150mm dia SW sewer branch lane towards sastha Nagar SRA 144A to 144B & manhole raising at Chadiyara-	Sewerage Division, KWA, Trivandrum	State Plan		**Dropped**
28	State Plan-2024-25 - TSS - Supplying, erection and commissioning of electronic soft starter suitable for 70 HP sewage motor at Pattoor Pump House	Sewerage Division, KWA, Trivandrum	State Plan	25.08.2025	**to be retendered**
29	STATE PLAN 2021-22 TSS - Providing and laying 350 mm SW sewer line from House.No.U - 52 to newly laid man hole at Njaramoodu	Sewerage Division, KWA, Trivandrum	State Plan	30.08.2025	**Work ongoing**
30	State Plan - 2024-25 - Providing and laying 200 mm dia SW sewer line from Jagathy Bund Road towards Jagathy junction near bridge	Sewerage Division, KWA, Trivandrum	State Plan	30.10.2025	**Work ongoing**

31	State Plan-2024-25 - TSS - D Block Zone II - Supplying, conveying, laying and jointing 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam - Kannamoola (Ch 849m to 1077m)	Sewerage Division, KWA, Trivandrum	State Plan	05.12.2025	**Work ongoing**
32	Block Zone II -Supplying, conveying Laying and jointing 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam - Kannammoola under Sewerage Project Section, Plamoodu (Ch.572m to 787m)	Sewerage Division, KWA, Trivandrum	State Plan	05.12.2025	**Work ongoing**
33	State Plan 2024-25 - TSS - laying of sewer line from KBAC Junction-towards Lenin Nagar(Balance work) under Sewerage Project Section, Plamoodu	Sewerage Division, KWA, Trivandrum	State Plan	25.07.2025	**Work ongoing**
34	State Plan 2024-2025- Supplying and laying sewer lines in Velavilakom lane in Padayani- Manjadimood road	Sewerage Division, KWA, Trivandrum	State Plan	13.07.2025	**Completed**
36	State Plan - 2024 - 25 - Providing new sewer line from Chitra Nagar junction towards Vivekananda Nagar near Edappazhinji SK Hospital	Sewerage Division, KWA, Trivandrum	State Plan	30.09.2025	**Work ongoing**
37	TSS - D Block Zone II - Supplying, conveying, laying and jointing 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam – Kannamoola (Ch. 342 m to 952 m) – Land acquisition cost - Additional AS	Sewerage Division, KWA, Trivandrum	State Plan	02.02.2025	**Work ongoing**
38	State Plan-2024-25-TSS - Reconstruction of old dilapidated brick manholes and construction of new manholes in various places under Sewerage section -1.- Reconstruction of old dilapidated brick manholes and construction of new manholes in various places under Sewerage section -1-ZONE-1-Sewerage Work	Sewerage Division, KWA, Trivandrum	State Plan		**Work ongoing**

39	State Plan-2023 -2024 - NGT - Rectification of breakage line towards Pattoor Pump House from narrow lane between Indian Veneer Company and canal(Amayizhanjan thodu) near Pattoor junction-under Sewerage section no II, Kuriathy-Sewerage Work	Sewerage Division, KWA, Trivandrum	State Plan		**Work ongoing**

STATE PLAN 2025-26

1	State plan - 2025-26- Manhole construction - reconstruction of all old dilapidated brick manholes with RCC and raising of manholes covers in the areas under sewerage section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	State Plan		**Work ongoing**
2	State plan - 2025-26- Providing and laying SW Sewer line at Mannammoola, Edakulam Surya Garden area - sewerage wor	Sewerage Division, KWA, Trivandrum	State Plan		**Agreement Executed**
3	State plan - 2025-26- Tagore Garden - Replacing of old and damaged SW Lines with new higher sized sewer lines in Medical college, Tagore Garden towards Thamarabhagam.	Sewerage Division, KWA, Trivandrum	State Plan		**AS Received**
4	State plan - 2025-26- Replacing of old, under sized and damaged see lines with New SW line from Ration shop near Kattachal Bhagavathy Temple towards Bhagavathy Lane	Sewerage Division, KWA, Trivandrum	State Plan		**AS Received**
5	State plan - 2025-26- Replacing of old, under sized and damaged sewer line with new SW Sewer line near Asif Biriyani Hotel at Kesavadasapuram - Ulloor Road.	Sewerage Division, KWA, Trivandrum	State Plan		**Agreement Executed**
6	State plan - 2025-26- Providing and laying SW sewer line near Sabarigiri School and varies places in Kuravankonam Ward.	Sewerage Division, KWA, Trivandrum	State Plan		**TS Issued**
7	State plan - 2025-26- TSS - Construction of New well and connected work at Pattoor Pump House	Sewerage Division, KWA, Trivandrum	State Plan		**AS Received**

8	State plan - 2025-26- TSS - Construction of new well and connected work at Kannamoola Pump House.	Sewerage Division, KWA, Trivandrum	State Plan	**AS Received**
9	State Plan-2025 - 26 -TSS - Construction of new well-and connected work at Plamoodu pump house-Sewerage Work-Construction of new well and allied structures-General Civil Work	Sewerage Division, KWA, Trivandrum	State Plan	**AS Received**
10	State Plan-2025 - 26 - Providing and laying new sewer line from the existing M H at Njaramoodu towards Hill top and branch line starting from Edapazhinji Sastha Nagar-Extension of sewer line .-Sewerage Work	Sewerage Division, KWA, Trivandrum	State Plan	**AS Received**
11	State Plan-2025 - 26 - TSS - C Block - Providing new sewer line from Kallumoodu Gardens to Pulli lane with railway crossing	Sewerage Division, KWA, Trivandrum	State Plan	**AS Received**
12	State Plan-2025-2026 - Rehabilitation of existing sewer main at Kalavihar lane, Kunnukuzhyunder Sewerage section no: II, Kuriathy	Sewerage Division, KWA, Trivandrum	State Plan	**Work ongoing**
13	State Plan-State Plan-2025 - 2026 - TSS- Reconstruction of old dilapidated brick man holes, construction of new sewerage man holes, raising of man hole covers & supplying CI MH covers - & Bucket Cleaning - Cleaning the sewer lines using Bucket type cleaning machine in Nandavanam near DD Office to Jagathy junction near back side of Karthika hotelunder - Sewerage section no: II	Sewerage Division, KWA, Trivandrum	State Plan	**Agreement Executed**
14	State Plan 2025- Laying 150mm SW line and Manholes near Vrindhavan Gardens at East fort-under sewerage section 1,Kuriyathy.	Sewerage Division, KWA, Trivandrum	State Plan	**Agreement Executed**

15	State Plan 2025-26-Increasing the capacity of Sewage pipeline and reconstructing RCC manholes in various places of Padanav lane PRWA-12,Kuttikadu lane KNRA- 11,SPTRA 108,MSNRA-52,PRAW 1-4,TPSRA103-108 at Manacaud Ward &KB Pandaram lane under sewerage section 1,Kuriyathy	Sewerage Division, KWA, Trivandrum	State Plan		**Tendered**
16	State Plan-2025-26-Relaying old Sewer lines and re construction of Old dilapidated manholes at Chettikulangara NSS Karayogam Line. And cleaning sewer lines at Chalai, Sreevaraham and Fort areas.	Sewerage Division, KWA, Trivandrum	State Plan		**AS Received**

AMRUT

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
1	AMRUT 2.0 - T S S - Providing and laying 250 mm SW Sewer line at Kanjirampara East Residence Association (KERA), (MH 1-MH15) under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
2	AMRUT 2.0 - T S S - Providing and laying 250 mm SW Sewer line at Kanjirampara East Residence Association (KERA), (MH16-MH 30) under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
3	AMRUT 2.0 - T S S - Providing and laying 200 mm SW Sewer line at Harismrithy lane, Kanjirampara East Residents Association, Kanjirampara, under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed

4	AMRUT 2.0 - T S S - Providingand laying 200 mm SW Sewer line at Parayil lane, Kanjirampara East Residents Association, Kanjirampara, under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
5	AMRUT 2.0 - T S S - Providing and laying 200 mm sw sewer line towards SOUBHAGYA NAGAR and KALATHIL LANE, Medical college ward, under Sewerage Section, Sasthamangalam	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
6	AMRUT 2.0 - T S S - Corporation of Thiruvananthapuram- Providing and laying 200mm SW Sewer line at Devi Nagar, "T" lane Edakulam, at Peroorkada ward under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
7	AMRUT 2.0 - T S S - Providing and laying 200 mm SW sewer line from house MGRA 97 to 114 at Maharaja gardens, Kowdiar ward - under Sewerage Section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
8	AMRUT 2.0 - T S S - Providing and laying 300 & 250mm SW sewer line from Kalakoumudi road Towards Koyikkal lane in the side of pond - under Sewerage Section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
9	AMRUT 2.0 - T S S - Providing and laying 200mm SW Sewer line at KK lane at Murinjapalam, under Sewerage Section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
10	AMRUT 2.0 - T S S - Providing and laying 200 mm SW sewer line at Chithira lane Towards Kochar road Maruthankuzhy under sewerage section, Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed

11	AMRUT 2.0 - Providing and laying 200 mm SW sewer line from house no MGRA 135 towards TKD Road Marapalam under Sewerage section Sasthamangalam.	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
12	AMRUT 2.0 - Providing and laying 200 mm SW sewer line in Panchami Garden H no. PGRA 1 to PGRA 35 in Jagathy ward, under sewerage section Sasthamangalam	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
13	AMRUT 2.0 - SD - Providing and laying 300mm & 200 mm SW Sewer line at Arapura, Vattiyoorkavu, under Sewerage Section, Sasthamangalam, Reach 1	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
14	AMRUT 2.0 - Providing and laying 200 mm s w sewer line near BSNL office Chalakuzhy, Medical College and branch lane at SCT Nagar from SCTNRA-231 to PLRA-151 - under Sewerage section Sasthamangalam	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
15	SD - Providing and layin g 300mm & 200 mm S W Sewer line at Arapura, Vattiyoorkavu, under Sewerage Section, Sasthamangalam, Reach 2	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
16	AMRUT 2.0 - TSS- 2022-23- Laying 150 mm dia SW sewer line towards Padayani Garden Assosiation lane 17 (PRA 153 to PRA 158) & Lane 06 (PRA 29 to PRA 32) and laying PVC sewer line towards Punartham Garden Lane 11 (87 to 96) & Lane 8 Bin Padayani road in Maruthamkuzhy	Sewerage Division, KWA, Trivandrum	AMRUT		Completed
17	Upgradation of sewer line from Decent Mukku jn to Pumphouse road	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
18	Upgradation of sewer lines from Mudavanmughal jn (near RC Church) to Decent Mukku jn	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
19	Upgradation of existing sewer line from Kunnunbanglow to Mudavanmughal jn(near RC Church)	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing

20	Rehabilitation and upgradation of sewerage main from NC Hospital junction to Kannettumuuku junction	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
21	Reconstruction of old dilapidated brick man holes, construction of new sewerage man holes, raising of man hole covers & supplying CI MH covers in Pottakuzhy - Mulavana road stretch	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
22	AMRUT 2.0-Supply, Erecting and Commissioning of various pump sets, other necessary Equipments for 107 MLD Sewerage Treatment Plant at Muttathara	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
23	AMRUT 2.0--Reconstruction of old dilapidated brick and RCC manholes with RCC and raising man hole covers in to road level and replacing RCC cover slab in to CI cover under Sansthamangalam Section	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
24	AMRUT 2.0 - Raising of manhole at Vivekanda Nagar, Sastha Nagar, Chadiyara Poojappura area in connection with commissioning of Jagathy Koottamvila scheme and laying new sewer branch line towards Sastha nagar SRA 144A to 144B.	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
25	AMRUT2 -Replacing and upgrading of old and damaged sewer line at Jagathy CS road	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
26	~~AMRUT 2.0- Replacing and upgrading of old and damaged sewer line through NB Street and NSS Karayogam of Jawaher Nager in Kowdiar ward~~	Sewerage Division, KWA, Trivandrum	AMRUT		Dropped
27	AMRUT 2.0 - Replacing of Old and damaged sewer line in Kunnukuzhi R C Street	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
28	AMRUT 2.0 -Providing new sewer line in Mele veedu Madan kovil & Kukiliar lane fom house no. KLRA 80 to KLRA 125 in Jagathy ward	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing

29	AMRUT 2.0--Providing new Sewer line in ldavakkadu line at Vikramapuram Hill and Kalathilpuzha line in Kanjirampara	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
30	AMRUT 2.0 -Replacing old and damaged sewer line at Althara main street and street in front of Heera Blue Berry	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
31	AMRUT 2.0 -Providing new sewer line near Udarasiromani Jhanardhanan Pillai road in Vazhuthacadu ward	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
32	AMRUT 2.0 - Providing new sewer line at Housing Board colony in Kuravankonam.	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
33	AMRUT 2.0 -Providing new sewer line at Vinayaka nagar towards Arappura area	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing
34	Amrut 2.0 Providing new sewer line and replacing and upgrading of old and damaged sewer line from Ambalamukku Vrindavan Gardens to Oolampara junction for rectifying Sewerage overflow in Ambalamukku Sreekrishna	Sewerage Division, KWA, Trivandrum	AMRUT		Ongoing

SMART CITY

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
1	Deposit work - Smart city Thiruvananthapuram Ltd - Reconstruction / maintenance of sewerage system from Music college to MN Smarakam road (Model school junction to Mettukada Road ID -PWD -PH-4B - 142c) due to work carried out by smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
2	Deposit work - Smart city Thiruvananthapuram Ltd - Reconstruction/Maintenance of Sewerage system from Zam - Zam hotel to Palayam trafic llent near VJT hall (VJT Hall flyover Road - 108) due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed

3	Deposit work - Smart city Thiruvananthapuram Ltd - Reconstruction/Maintenance of Sewerage system from fly over bridge starting in front of Women's Hospital Road ID-120 & From Thampannoor Police station to Aristo Jn Road ID-140 due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
4	Smart city Thiruvananthapuram Ltd - Reconstruction / Maintenance of Sewerage system from Govt. Arts college to Music college Road ID - 121 (part-1) Norka - Gandhi Bhavan road	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
5	Smart city Thiruvananthapuram Ltd - Reconstruction / Maintenance of Sewerage system starting from Spencer junction to AKG Centre (Gas house road) Road ID - 152 due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
6	Smart city Thiruvananthapuram Ltd - Reconstruction/Maintenance of Sewerage system from Norka building Thycadu to infront of Arts College (Road ID -PWD -PH 4B- 121(Part-2 portion) due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
7	Smart city Thiruvananthapuram Ltd - Reconstruction/Maintenance of Sewerage system from Sree Dharma Shastha Temple to Residence No.158 (Thycadu house-Keezhe Thampanoor road) (Road ID - 117-Part-2 portion) due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
8	Smart city Thiruvananthapuram Ltd – Reconstruction /Maintenance of Sewerage system from Sree Dharma Shastha Temple to MODEL school JN Road (Thycadu house-Keezhe Thampanoor road) (Road ID - 117-Part portion) due to work carried out by Smart city	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed

9	T S S-Deposit Work- Smart city project- Shifting and laying 200 mm SW sewer line by replacing 150mm line near Vazhuthacaud Junction towards MP Appan road under Sewerage Section , Sasthamangalam. Road ID 104 Part1	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
10	T S S-Deposit Work- Smart city project- Shifting and laying 250 mm SW sewer line by replacing 150mm line From Bishop Pereira Hall Jn to Nanthavanam Jn. under Sewerage Section , Sasthamangalam. (Road ID 24)	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
11	TSS- Smart city Thiruvananthapuram Ltd - Reconstruction / maintenance of sewerage system at Kalabhavan Mani Road(from Panavila jn to Womens college jn - Road id - 116) due to work carried out by Smart City.	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
12	TSS- Smart city Thiruvananthapuram Ltd - Reconstruction / maintenance of sewerage system from Vandrose Jn to Spencer Jn - Road id - 112) due to work carried out by Smart City	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
13	TSS- Smart city Thiruvananthapuram Ltd - Reconstruction / maintenance of sewerage system from Vandrose Jn to contonment police station (Punnan road)- Road id - 141) due to work carried out by Smart City	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
14	TSS - SCTL - Deviation of sewer line and reconstruction of brick man holes in the roads constructing under Smart city project roads with ID 144 (PWD PH -4B) in OVER BRIDGE TO UPPIDAMMOODU JN Chainage +00 to +731	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed

15	TSS - SCTL - Deviation of sewer line and reconstruction of brick man holes in the roads constructing under Smart city project - Statue - General Hospital road - ID147 (PWD	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
16	TSS - SCTL - Deviation of sewer line and reconstruction of brick man holes in the roads constructing under Smart city project roads with ID 148 in Ayurveda college to Chettikulangara under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
17	TSS - SCTL - Providing sewer main and rider - reconstruction of brick man holes in the roads constructing under Smart city project along West nada - Azhikkotta road (ID - 136)	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
18	TSS - SCTL - Deviation of sewer line and reconstruction of brick man holes in the roads constructing under Smart city project road with ID 91 - Mathrubhumi road chainage 0.00 to 255.00 under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
19	TSS - SCTL - Deviation of sewer line and reconstruction of brick man holes in the roads constructing under Smart city project roads with ID 146 (PWD PH - 4B) in Ayurveda college to Old GPO Kunnumpuram under Sewerage Section I, Kuriathy	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
20	TSS - SCTL - Providing sewer main and rider - reconstruction of brick manholes in Court Jn. - General Hospital road constructing under Smart city project (ID - 149) Chainage 705m	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
21	TSS - SCTL - Rehabilitation of sewer line , providing rider main and construction of man holes in Padmavilasom road constructing under Smart city project, ID - 132	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed

22	Reconstruction of old dilapidated brick manholes with R C C and Raising of manhole covers in Ganapathy kovil road, Vazhuthacadu ward (ID 111)	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
23	DEPOSIT- SMART CITY-Providing and laying 160mm PVC rider main at Vazhuthcaud towards MP Appan road Road ID 104 part 1(Sl. No. 10)	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
24	Construction of manholes and reconstruction of brick manholes and steining raising at Bakery junction Valsala Nursing home road	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
25	DEPOSIT-Smart City - Rehabilitation of existing 150 mm SW sewer main with 300 mm SW PIPE from Sivanagar to Pump house road across Killipalam Attakulangara	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed
26	Rectification of damages caused sewer lines by Smart city contractor Road ID-149:--Bucket cleaning of sewer lines blocked during smart city road constructions at Vanchiyoor General Hospital-Stretch 1: Vanchiyoor to Mathrubhumi road	Sewerage Division, KWA, Trivandrum	DEPO-SCTL		Completed

MLA- ADS

1	LAC-ADS-Thiruvananthapuram Constituency - Project 19284-TSS-PROVIDING NEW SEWER LINE BESIDE EAST FORT-ATTAKULANGARA ROAD NEAR ATTAKULANGARA JUNCTION-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Ongoing
2	LAC-ADS-Project No. 19398 - Thiruvananthapuram Constituency- - Reconstructing RCC manholes and relaying sewage pipe line at Meppalli gardens and chempakassery thannimoodu lane in palkulangara ward-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Ongoing

3	LAC-ADS-2024-25-Sewerage section Sasthamangalam--Providing new Sewer line at Pottakuzhi junction near Kairali hotel-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Completed
4	LAC-ADS-Vattiyoorkavu -Rehabilitation of sewer lines-T S S- Rehabilitation of old and damaged sewer line in Kowdiar SS Kovil C Lane and E Lane -Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Tender temporarily Cancelled
5	LAC-ADS-Rehabilitation of sewer line-Rehabilitation of existing damaged sewer pipe line at Nandavanam in Valiyasala ward-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Submitted for Revised AS
6	LAC-ADS-Laying new sewerage line -Mosque lane Sreemoolam lane at Thampanoor ward-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Agreement Executed

National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs
(Hon'ble NGT in the matter of OA No.673/2018 dated 06.12.2019)
RIVER PAMBA, PATHANAMTHITTA NOVEMBER 2025

S. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2025	Projects for to be taken
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	,,	,,
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning	,,	,,
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	NA	-
	• Monitoring at State level must take place	NA	-
6	Progress report may be furnished by the State/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	NA	-
6.	Progress Report may be comprised of details along with		

1	completion timelines on: (I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment. (II) Status of STPs, I&D and sewerage networks Details of Existing 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 (iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; (vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including		Presently no STP in the panchayat Presently no CETP or ETP in the panchayat Door to door plastic waste collection, Supply of waste bins, Construction of compost pits etc. Not Available Biomedical waste disposed through IMAGE , Plastic waste collected door to door by Haritha Karma Sena Yes, Going On

	waste generated from hotels, Ashrams, etc. (vii)Ground water regulation (viii) Adopting good irrigation practices (ix) Protection and management of food plain Zones (FPZ) (x) Rain water harvesting (xi)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		- Yes, Going On Yes, Going On

ACTION PLAN FOR RIVER PAMBA, KERALA

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
A(a)	No industries	-	-					

A(a)	Monitorng of river water quality	Kerala State Pollution Control Board	Continuing project					
C(ii)	Establishment of de-centralized solid waste treatment facility	MannarPanchayat, Kadapra/ NiranamPanchayath	31.03.2021	No new project taken	THUMBOORMOOZHI MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND	No new project taken		
C	Establishment of Material Collection Facility	MannarPanchayat, Kadapra/ NiranamPanchayath	31.03.2021	CIVIL WORK COMPLETED	CIVIL WORK COMPLETED	CIVIL WORK COMPLETED		
C	Resource Recovery Facility	MannarPanchayat, Kadapra/ NiranamPanchayath	31.03.2021	NA	NA	NA		
C	Installing household and community level solid waste management units	MannarPanchayat	31.03.2021	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION		
C	Door to door collection and transportation of municipal solid waste	MannarPanchayat	31.03.2021	Usefeefor plastic collection 76.85%	Userfee collection 76.94%	Userfee collection 75.4 %	24.6%	
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of	KadapraPanchayat	31.12.2020					

	Parumala Town							
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Mannar Town	MannarPanchayat	31.12.2020	Projects has to be taken	Projects has to be taken	Projects has to be taken		
C	Construction of compound wall with fencing	Irrigation department	31.03.2021					
C	Removing light jungle and muddies from river courses	Irrigation department	31.03.2021					
C	Electrical-Light arrangements and Surveillance cameras	Irrigation department	31.03.2021					
C	Regualtingactivites in flood plain zone, protection and management of flood plain zone	Irrigation department	31.03.2021					
	Greenery developmentPlantation plan. Plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment	Irrigation department	31.03.2021					
C (b) (ii)	Green Protocol implementation in all	Mannar, Kadapra/ NiranamPanchayat	31.05.2020	100%	100%	100%		

	Offices institution & Public function							
D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department	30.11.2020					
D (b)	Irrigation practices	Irrigation department	30.04.2020					
E	Awareness programmes for sections of public	Kerala State Pollution Control Board	31.05.2020					
C	Management of municipal, plastic, hazardous, biomedical and electrical waste	LSGD	31.03.2021	PLASTIC COLLECTED BY HARITHAKARMASENA	PLASTIC &E WASTE COLLECTED BY HARITHAKARMASENA	PLASTIC COLLECTED BY HARITHAKARMASENA		

ACTION BY GROUND WATER DEPARTMENT

Sl. No.	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical					

		zones/blocks					
2	B(ii)	Ground water recharging / rain water harvesting					
3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps					
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices					

National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs
(Hon'ble NGT in the matter of OA No.673/2018 dated 06.12.2019)
RIVER PAMBA, PATHANAMTHITTA(NOVEMBER 2025)

S. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2025	Projects for to be taken
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	,,	,,
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning	,,	Niranam Gramapanchayat is an upper Kuttanad area , so no such dry land suitable for solid waste treatment plant is available . MCF construction completed .13 mini MCF implimentedc in all wards . Necessary instruction are given to all offices and institution to strictly comply with the green protocol and is regularly monitored.
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	NA	-

	• Monitoring at State level must take place	NA	-
6	Progress report may be furnished by the State/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	NA	-
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 in-situ 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 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in		Presently no STP in the panchayat Presently no CETP or ETP in the panchayat Door to door plastic waste collection, Supply of waste bins, Construction of compost pits etc. Not Available

	the catchment of polluted river; (vi)Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc. (vii)Ground water regulation (viii) Adopting good irrigation practices (ix) Protection and management of food plain Zones (FPZ) (x) Rain water harvesting (xi)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		Biomedical waste disposed through IMAGE , Plastic waste collected door to door by Haritha Karma Sena Yes, Going On Yes, Going On Yes, Going On

ACTION PLAN FOR RIVER PAMBA, KERALA

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
A(a)	No industries	-	-	-		-	-
A(a)	Monitoring of river water quality	Kerala State Pollution Control Board	Continuing project				
C(ii)	Establishment of de-centralized solid waste treatment facility	Mannar Panchayath	31.03.2021	No new project taken	No new project taken	-	-

		Niranam Panchayat		Niranam Gramapanchayat is an upper Kuttanad area , so no such dry land suitable for solid waste treatment plant is available .	Niranam Gramapanchayat is an upper Kuttanad area , so no such dry land suitable for solid waste treatment plant is available .		

		Kadapra Panchayath		The Panchayat has resloved to identify all polluting invloved in pollution of river resources and iniation of penal against them	The Panchayat has resloved to identify all polluting invloved in pollution of river resources and iniation of penal against them		
C	Establishment of Material Collection Facility	Mannar Niranam	31.03.2021	Civil work completed MCF construction completed .13	Civil work completed MCF construction completed 13	70%	flooring completed

		Kadapra Panchayath		mini MCF implemented in all wards . Material Collection Facility id fully funcational in Kadapra Grama Panchayat	mini MCF implemented in all wards . Material Collection Facility id fully funcational in Kadapra Grama Panchayat		
C	Resource Recovery Facility	Mannar	31.03.2021	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NA	NA

		Niranam		Necessary instruction are given to all offices and institution to strictly comply with the green protocol and is regularly monitored	Necessary instruction are given to all offices and institution to strictly comply with the green protocol and is regularly monitored		
		Kadapra		Resource Recovery Facility due to non-	Resource Recovery Facility due to non-availability		

				availability of space	of space		
C	Installing household and community level solid waste management units	Mannar Panchayat	31.03.2021	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION		
C	Door to door collection and transportation of municipal solid waste	Mannar Panchayat	31.03.2021	Userfee collection 76.85%	Userfee collection 76.94 %	76.94%	23.06%
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Parumala Town	Kadapra Panchayat	31.12.2020	The Panchayat considered that sewage treatment plants are currently not need with in	The Panchayat considered that sewage treatment plants are currently not need with in		

				Panchayat area around Parumala	Panchayat area around Parumala		
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Mannar Town	Mannar Panchayat	31.12.2020	Projects has to be taken			
C	Construction of compound wall with fencing	Irrigation department	31.03.2021	Work could not be arranged due to lack of funds	Fund to be allotted for the purpose	Fund to be allotted for the purpose	
C	Removing light jungle and muddies from river courses	Irrigation department	31.03.2021	Work tendered	Fund to be allotted for the purpose	Fund to be allotted for the purpose	2%
C	Electrical-Light arrangements and Surveillance cameras	Irrigation department	31.03.2021	Work could not be arranged due to lack of funds	Fund to be allotted for the purpose	Fund to be allotted for the purpose	
C	Regualting activites in flood plain zone, protection and management of flood plain zone	Irrigation department	31.03.2021	Work could not be arranged due to lack of funds	Fund to be allotted for the purpose	Fund to be allotted for the purpose	
	Greenery developmentPlantation plan. Plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment	Irrigation department	31.03.2021	Work could not be arranged due to lack of funds	Fund to be allotted for the purpose	Fund to be allotted for the purpose	

C (b) (ii)	Green Protocol implementation in all Offices institution & Public function	Mannar Kadapra Niranam	31.05.2020	100% Green protocol has implemented in in public offices Green protocol has implemented in public officers Kadapra Grama Panchayat -	100% Green protocol has implemented in in public offices Green protocol has implemented in public officers Kadapra Grama Panchayat -		
D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department	30.11.2020		Study conducted & DPR submitted to CE'S Office		
D (b)	Irrigation practices	Irrigation	30.04.2020		Routine		

		department			procedures are following to avoid river pollution		
E	Awareness programmes for sections of public	Kerala State Pollution Control Board	31.05.2020				
C	Management of municipal, plastic, hazardous, biomedical and electrical waste	LSGD MANNAR PT	31.03.2021	PLASTIC COLLECTED BY HARITHAKARMASENA	PLASTIC WASTE &E -WASTE ARE COLLECTED BY HARITHAKARMASENA		

ACTION BY GROUND WATER DEPARTMENT

Sl. No.	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Progress in the month of OCTOBER2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	NOC has not been issued to industries for Ground Water extraction during OCTOBER 2025.	NOC has not been issued to industries for Ground Water extraction during NOVEMBER 2025.	Demand based	1.As per the GEC estimation all the blocks in the District has been categorized as SAFE. 2.Provisions of GW (control &Regulation)

						Act 2002 is implementing strictly for regulating extraction of GW resource in the district	
2	B(ii)	Ground water recharging / rain water harvesting	Estimate for Implementation of ARS at 4 sites has been prepared and sent for Technical Sanction.	ARS at 4 sites at Ranni Technical Sanction obtained & work tendered. Feasibility for new 5 sites at Ranni found & estimate under preparation.	Demand based	All the blocks in the district is categorized as SAFE as per GEC estimation. Kadapra-Niranam Area is not feasible for Ground Water Recharge. However, GW recharging programme is taken up in some pockets in the midland area including Manimala basin. Where seasonal GW level fluctuation is noticed.	
3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.	Periodical assessment (Regular programme) Chemical analysis result of groundwater samples received from Analytical Lab, Trivandrum upto December 2023	(i)Maintaining a network of observation wells in various hydrogeomorphic units throughout the district from which water level and water samples have been collected periodically and analysed.	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month

						(ii)generally groundwater quality is good and potable	July 2025 and sent to Analytical Lab Trivandrum
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	As per Building Rule (KPBR) Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose.	As per Building Rule (KPBR) Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose.	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.	i)Borewell/tube well construction is regulated in the district by insisting permit of local bodies based on the feasibility report of GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. iii)Awareness programmes organised to the public to adopt rainwater harvesting measures	As per Building Rule (KPBR) Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose.

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RIVER MANIMALA, ALAPPUZHA

S. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2021	NIL
	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	Since Large Land holding by local residents on the bank, No
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning	22.01.2020	Such issues arises, no need of steps since
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	22.01.2020	No industry/commercial activity
	• Monitoring at State level must take place	22.01.2020	NIL
6	Progress report may be furnished by the State/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	22.01.2020 Fortnightlycommencing	NIL
6.1	Progress Report may be comprised of details along with completion timelines on:	21.12.2019	Drains contributing to river

	(I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment. (II) Status of STPs, I&D and sewerage networks Details of Existing 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 (iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; (vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc.	2020-2021 2019-2020 2020-2021 2020-2021	pollution were identified.The drains are seasonal and water quality is above the require limit,no in situ. Proposal for setting up an FSTP by Chengannur municipality is initiated. Since the area does not contain any industry no requirement of any CETP,this action. Plan revised. The adjoining local bodies are in the stage of developing and establishing adequate solid waste management facilities also the solid waste during issues were not identified in the stretch during field visit held during past 1year. Water quality analysis result of the stretch up to DECEMBER 2023 is enclosed. Awareness campaigns initiated. No groundwater pollution is noted in the area action yet to

	(vii)Ground water regulation (viii) Adopting good irrigation practices (ix) Protection and management of food plain Zones (FPZ) (x) Rain water harvesting (xi)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		be initiated. Action will be initiated. Action will be initiated. Action will be initiated. Action will be initiated. Action will be initiated. Action will be initiated.

ACTION PLAN FOR RIVER PAMBA, KERALA

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October 2025	Progress in the month of November 2025	% works completed	Details of works remaining
A(a)	Monitorng of river water quality	Kerala State Pollution Control Board	Continuing project				100%	NIL
A(b)	Rendering Plant at Eraviperoor or Thiruvalla	Eraviperoor/ Thiruvalla local body	31.03.2021				0%	Work to be initiated
C(ii)	Fencing of bridges, desilting,	Irrigation	31.03.2021				0%	Work to

	dredging and protection works, surveillance cameras at vantage points	department						be initiated
C	Preventing illegal discharge of septage and other waste water into the river. Formation of River Protection Group	Panchayath, Police , KSPCB	31.05.2020.				0%	Work pending due to COVID pandemic
C	Greenery development Plantation on both sides of the river, setting up biodiversity parks in flood plains and removing encroachment	Irrigation department in association with panchayath	31.03.2021				0%	Yet to be intiated
C(b)(ii)	Green Protocol implementation in all offices, institution & public functions	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoorpanchayaths	31.03.2020				100%	0
D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department, Hydrographic survey department	31.03.2021					Work to be initiated
C(ii)	Establishment of decentralized solid waste treatment facilities	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoorpanchayaths	31.12.2020				100%	0
C	Installing household & community level solid and domestic sewage waste management	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoorpanchayaths	31.12.2020				NA	NA

C	Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Revcovery Facilities (RRF)	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoorpanchayaths	31.12.2020				NA	NA

ACTION BY GROUND WATER DEPARTMENT

Sl. No	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Timeline	Progress in the month of September 2025	Progress in the month of October 2025	Progress in the month of November 2025	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	31.03.2021					
2	B(ii)	Ground water recharging / rain water harvesting in Govt offices	31.03.2021					

3	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	31.03.2021					

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RIVER KADALUNDI, MALAPPURAM

S. No.	Activity to be monitored	Timeline	Submission of progress by state/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation		
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured		STP Repairing project DPC approved and sent to TS
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning		Action plan prepared
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 State/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		I) Already screen net placed to the both side of the Bridge and Periodic Inspection & Drainage Cleaning Doing

	pollution and action as per NGT order on in-situ treatment.		
	(II) Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		Action plan prepared through KWA
	(III) Status of CETPs Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status		NA
	(iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		Source level treatment units 8000 ring compost & 100 Biobin are distributed. Dry waste collecting and processing by shredding & Bailing Machine through HKS Done. Bio medical waste collection through IMAGE.
	(v)Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		NA
	(vi)Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc.		Inspection activities doing
	(vii)Ground water regulation		NA
	(viii) Adopting good irrigation practices,		NA NA

	(ix) Protection and management of food plain Zones (FPZ), (x) Rain water harvesting, (xi)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		NA NA NA

ACTION PLAN FOR RIVER KADALUNDI, MALAPPURAM, KERALA

1. 2. Malappuram Municipality - Short Term Solid & Liquid Waste Management Action Plan

No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November-2025	% of works completed	Details of works remaining
1.1	Slaughter house and Poultry house	Malappuram Municipal ity	July 2020	Land occupied	Land occupied	Land occupied	NA	NA
1.2	Valiyathodu Cleaning - 8 Km length	Malappuram Municipality	Completed	Cleaned	Cleaned	Cleaned	50%	Cleaned
1.3	Installation of	Malappuram	December	Inspected	Inspected	Inspected	100%	NA

	screening net in the Valiyathode	Municipality	2019					
1.4	Identification of polluting points in Kadalundi river & awareness campaign - River walk(puzha nadatham – 15 km length)	Malappuram Municipality	Completed			Inspection'& Cleaning activities doing	100 %	NA
1.5	Sanitation facility and treatment of waste water in the markets - Treatment plant	Malappuram Municipality	Completed	New Building Constructio n Process	New Building Constructio n Process		50%	New Building Constructio n Process
1.6	The discharge of waste water from the surrounding houses to the Valiyathodu - Blocking of discharge of liquid waste	Malappuram Municipal ity	Completed	100%	100%	100%	100%	
1.7	Identification of illegal outlets into storm water drains and fine imposed on such units.	Malappuram Municipal ity	Ongoing	Ongoing	Ongoing	Inspection continuing	Inspection continuing & action taken	NA
1.8	Biodegradable waste Bio bins – 176 Bucket compost – 269	Malappuram Municipality	March 2020	March 2020 March 2020	Completed	Completed	Completed	100%

	Thumboormuzhi Aerobic bins - 4 Biogas plant -55		March 2020 March 2020 March 2020	March 2020 March 2020	Completed Completed	Completed Completed	Completed	100% 100%
1.9	Non biodegradable waste MCF Plastic shredding and Bailing Echo Kiosk	Malappuram Municipality	March 2020 Completed March 2020				Completed	100%
1.10	Identification and monitoring of illegal activities CC tv Network installation	Malappuram Municipality	March 2020				Completed	Nil
	2.Kerala State Pollution Control Board							

No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November-2025	% works comple ted	Details of works remainin g
2.1	River water quality Monitoring- Thirurangadi, Ha jiyarpally National Water Quality Programme(NWM P)	KSPCB	Ongoing; Monthly frequenc			Ongoing; Monthly frequency		
2.2	River water quality Monitoring - Thirurangadi, Kooriyad, Manikut, Hajiyarpally, Anakkayam, Oravambrum - State Water monitoring programme	KSPCB	Ongoing; Seasonal - Pre - monsoon, monsoon, post - monsoon			Ongoing; Monthly frequency		

	(SWMP)							
2.3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc. in Malappuram Municipal area	KSPCB	Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months			Ongoing		
	3.Ground Water Department							
No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October 2025	Progress in the month of November-2025	% works comple ted	Details of works remainin g
3.1.	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited	Ground water Department		Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is	Department accepts applications which needs limited extraction of groundwater only from semi critical blocks. % cannot be mentioned.	

	as critical zones/blocks (Earlier status : As per Groundwater resources of Kerala, 2017 estimate a total number of 3 blocks (Mankada, Vengara and Malappuram) comes under the Kadalundi river basin. Out of three blocks Malappuram and Vengara are semi-critical blocks and the rest is a safe one, stage of groundwater extraction ranges from 69.43 % to 79.84%)			allowed.	allowed.	allowed.		
3.2	Ground water	Ground water				Malappuram-		

	recharging / rain water harvesting (Earlier status : The average pre - monsoon groundwater level ranges from 7.59mbgl - 13.57 mbgl. Groundwater Department has implemented 3 no of roof top rain water recharging through recharge pit schemes in Vengara block.)	Department				1 recharge pit, 10 OW recharge Mankada- 1pit, 4 OW, 1 Pond rennovation. Vengara- 3 pit, 1 OW Kondotty-5 pit, 1 OW Tirurangadi- 2 pit,2 OW Vallikkunnu- 1 pit		
3.3	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps (Earlier status : Groundwater Department has 6 observation dug wells and 14 bore wells in the river stretch. (report	Ground water Department		Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.		

	attached) (Map No: 7 attached))							
3.4	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status : The total irrigation draft in the area ranges from 979.683 - 1857.49 ha.m.)	Ground water Department		For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.		

National Mission for Clean Ganga

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RIVER TIRUR, MALAPPURAM

S. No.	Activity to be monitored	Timeline	Submission of progress by state/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation		
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured		STP Repairing project DPC approved and sent to TS
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning		Action plan prepared
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 State/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB		Last updated report submitted was on November 20,2025
6.	Progress Report may be comprised of details		(i)Identified 17 drains out of which 9 were additionally

1	along with completion timelines on: I Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment. II <u>Status of STPs, I&D and sewerage networks</u> 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 (v)Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; (vi)Preventing dumping of waste and scientific		identified on 11.07.2019 (ii) Tirur Fish Market STP - 45 KLD- working condition. Inspection was conducted by pollution control board and repairing works has been done as per the suggestions of pollution control board .laboratory analysis has been done and parameters found to be within limits (ii) Tirur municipal Bus StandSTP-50 KLD –Working Condition. Inspection was conducted by pollution control board and STP sample collected and laboratory analysis has been done and parameters found to be within limits. iii)NIL (iv)De centralized treatment facilities, Disposal using sanitary landfills, composting operations, MRF, MCF etc. Slaughter house- completed civil work. Electrical installation works started. (v)Attached as Annexure II-Analysis report during the month of October-2025 BMW are being disposed scientifically through

	waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc. (vii)Ground water regulation (viii) Adopting good irrigation practices, (ix) Protection and management of food plain Zones (FPZ), (x) Rain water harvesting, (xi)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		IMAGE. Municipality have MRF, MCF facilities (vii)NA viii)Complying (ix)NA (x) Complying (xi) Complying (xii) NA (xiii) Reported that encroachment survey is completed and now the process of laying survey stones is in progress.

ACTION PLAN FOR RIVER TIRUR, KERALA

1	IRRIGATION DEPARTMENT							
No.	Activity	Implementing agency	Time line	Progress in the month of September	Progress in the month of	Progress in the month of November 2025	% works completed	Details of works remaining

				2025	October 2025			
1.1.1	Strengthening the right side bund of Tirur-Ponnani puzha at Porur, ward no.I Tirur Municipality	Irrigation Department	6 Months	Work Completed	Work Completed	Work Completed	Work Completed. Bill Paid (Rs 2984168/- including GST)	Remarks-These two works are arranged as single work named as "General-National Green Tribunal-Rejuvenation of polluted rivers-Tirur-Ponnanippuzha-General Civil work"amounting Rs 30.10 L . Work Completed. Bill Paid (Rs 2984168/- including GST)
1.1.2	Cleaning and development of old Ponnani thodu at Thazhepalam	Irrigation Department	6 Months	Work Completed	Work Completed	Work Completed	100%	
1.1.3	Repair and Rehabilitation of Koottayi Regulator cum Bridge	Irrigation Department	18 Months	0%	0%	0%	8%	Cracks on girders and settlement of 4 piers towards right bank has seen on 18/11/2023. So the work can be

	across Thirur-Ponnani Puzha in Mangalam Grama panchayatin Malappuram Dist							continued only after addressing these issues. While preparing the estimate based on the study report from KERI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29-11-2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team. A Technical committee has been formed as per order number GO No . 488/2024/WRD dated 28-06-2024. Technical committee team visited the site on 08-08-2024 and suggested for

								hydro graphic survey at the site. Hydro graphic survey wing has completed the survey work for an amount of 1.34662/- lakhs . The hydrographic chart,Reduced level chart and Cad files submitted by Hydro graphic survey wing are submitted to CE I&A ,Tvm. Technical committee meeting conducted on 10/12/2024 at IDRRB ,TVMoffice .Based on the meeting minutes of the Technical Expert Committee, DPR of 18.10 crores of the recast estimate has been submitted to CE I&A TVM On

								24/05/2025.
2	TIRUR MUNICIPALITY – SHORT TERM ACTION PLAN							
No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November 2025	% works completed	Details of works remaining
1.2.1	Provide septic tank for nearest houses	Tirur Municipality	Dec 2019	Completed	Completed	Completed	100%	Completed
1.2.2	Establishment of Solid waste Treatment Plant ThumboorMozhi Model Aerobic Bin	Tirur Municipality	March 2020	Completed	Completed	Completed	100%	Completed
1.2.3	Establishment of Non Degradable waste treatment Plant Resource Recovery facility Centre Plastic Shredding Unit Segregation shed	Tirur Municipality	March 2020	Completed	Completed	Completed	100%	Completed
1.2.4	Slaughtering House	Tirur Municipality	December 2020	Work ongoing	Work ongoing	Renovation Work ongoing	80%	Work ongoing

1.2.5	Fencing on Bridgeside Thalakkadathur Bridge	Tirur Municipality	December 2020	Completed	Completed	Completed	100%	Completed
1.2.6	Installation of CCTV Camera near the river Bank Thalakkadathur Bridge	Tirur Municipality	May 2020	Ongoing	Tender Stage	Keltron was invited to tender for Rs.5 lakh.Keltron was not ready to take over due to the low amount.Local tender is being invited	NA	Keltron was invited to tender for Rs.5 lakh.Keltron was not ready to take over due to the low amount.Local tender is being invited
1.2.7	Planting of Bamboo seedlings on the river bank (Thazhepalam)	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	100%
1.2.8	Renovation of Effluent treatment plant at fish Market AMC Granted ETP with Aeorobic System	Tirur Municipality Tirur Municipality	June 2019	Completed	Completed	Completed	100%	Completed
1.2.9	Setting up of STP at Private Bus stand	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	Completed
1.2.10	Setting up of a new drain after demolishing the old one. The old one was the hub of the waste water outlet of the shops and other	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	Completed

	establishments. The proposed drain is constructingin the middle of the road so as to avoid intrusion of pipes from outside							
1.2.11	Identification of illegal outlets into storm water drains and fine shallbe imposed onsuch units	Tirur Municipality		Ongoing	Ongoing	Ongoing		
3	**Cheriyamundam Grama panchayat**							
No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November 2025	% works completed	Details of works remaining
1.3.1	Fencing on bridge side Thalakkadatur	Cheriyamundam Grama panchayat	March 2020			completed		
	4.Kerala State Pollution Control Board							
No.	Activity	Implementing	Time line	Progress in	Progress in	Progress in the month of	% works	Details of works

		agency		the month of September 2025	the month of October-2025	November 2025	completed	remaining
1.4.1	River water quality Monitoring- Thalakkadathur National Water Quality Programme(NWMP)	KSPCB	Ongoing; Monthly frequency			Ongoing; Monthly frequency		
1.4.2	River water quality Monitoring State Water monitoring programme (SWMP)	KSPCB	Ongoing; Seasonal			Ongoing		
1.4.3	Inspection and effluent quality monitoring of the flats, Industrial units, Service stations, hospitals, auditorium, hotels in Municipal area		Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months			Ongoing		

	5.Ground Water Department							
No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November 2025	% works completed	Details of works remaining
1.5.1.	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks (Earlier status : As per Groundwater resources of Kerala, 2017 estimate a total number of 2 blocks (Tirur and Kuttippuram) comes under the Tirur river basin. These two blocks are semi-critical blocks and the stage of groundwater extraction ranges from 77.75 % to 77.92%)	Ground water Department		Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed. Awareness programmes are conducting.(5 numbers in every year)	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed. Awareness programmes are conducting.(5 numbers in every year)	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed. Awareness programmes are conducting.(5 numbers in every year)		

1.5.2	Ground water recharging / rain water harvesting (Earlier status : The average pre -monsoon groundwater level ranges from 6.14mbgl - 8.49 mbgl.)			Kuttippuram-4 OW Recharge Tirur-1 recharge pit	Kuttippuram-4 OW Recharge Tirur-1 recharge pit	Kuttippuram-4 OW Recharge Tirur-1 recharge pit		
1.5.3	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or handpumps (Earlier status : No observation well along the river stretches)			Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.		
1.5.4	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status : The total irrigation draft in the area ranges from 49.14 - 870.97 ha.m.)			For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pumping test in their well is done and safe yield is calculated and will inform the applicant.		
	6. ACTION PLAN BY VARIOUS GRAMA PANCHAYATHs- Thalakkad, Vettom, Mangalam							

No.	Activity	Implementing agency	Time line	Progress in the month of September 2025	Progress in the month of October-2025	Progress in the month of November 2025	% works completed	Details of works remaining
1.6.1	Protection of Thirur Ponnani River	Thalakkad grama panchayath hand over fund to District Panchayat	31.03.2020			Completed		
1.6.2	Installation of CC TV camera on Yetterikadavu Kunjulikkadavu Mangattiri Bridge, Aikkanchiri Bridge, Paravanna Bridge	Vettom - KS SECURITY SYSTEM	Completed			Completed		
1.6.3	Installation of CC TV camera	Mangalam grama panchayath Win Plus Agency, Kondotty	Completed			Completed		
1.6.4	Haritha Keralam Thirur-Ponnani puzha protection	Mangalam grama panchayath Nirmithi Kendra, Kozhikkodu	31.03.2020			Completed		

NGT Progress Report for the Month of October 2025

Irrigation North Circle, Kozhikode						
Sl.No	Name of River and works	FS Amount and No.	AS Amount and No.	TS Amount and No	Present status	Remarks
1	2	3	4	5	6	7
KALLAI RIVER						
1	Desilting of Kallai river from Kaduppini to Kothi in Kozhikode Corporation .		Resolution No.90 dated 15/2/2021, 64 dated 30/12/2021 and 67 dated 2/7/2024 of Kozhikode Municipal corporation for Rs.1297.704lakhs	IDKkd/2021-2022/2018/4170/IA dated 7/3/2022 of CE I&A for Rs. 790 Lakhs	site hand over on 12/09/2024	Dredging work completed10% .(Work halted due to Off season)
2	Providing chain linked fencing on both sides of Ibrahim bridge across Ibrahim thode of Kallai river in Kozhikode Corporation.				DPR Submitted for FS	DPR amounting to 2.52 lakhs submitted to CE, I&A, Tvm vide this office letter No. D5-NGT/1429/2019 Vol. III Dtd.20-07-2023
3	Providing fencing on Mooriyad road bridge at Kozhikode Corporation		AS/59D/23/33744 dated 04/03/2024 of CE I&A Tvm 16.00 lakhs	IRR/IA/EST_TS/26/2023_5_1_1 dated 29/05/2024 13 lakhs	Work completed	(Work completed 100%).Bill paid to contractor on 26.05.2025
4	GENERAL-Providing chain linked fencing at kallai River-Both sides of Kothi Bridge in Kozhikode Corporation.-General Civil Work		AS/59D/23/33130 dated 07/02/2024 28.3 lakhs	IRR/IA/EST_TS/8928/2022_5_1_1 dated 24/04/2024 28.3 lakhs	site hand over on 22/08/2024	Work completed 100%.Bill paid to contractor on 21.07.2025
KUTTIYADI RIVER						
1	Providing chain linked fencing on both sides of Gulikapuzha bridge across Kuttiyadi river in Velom Panchayath.		AS/59D/23/33132 dated 07/02/2024 24.6 lakhs	IRR/IA/EST_TS/8978/2022_5_1_1 dated 11/03/2024 24.2 lakhs	Work completed	Work completed on 8/11/2024.Bill paid to contractor on 20.03.2025

UPPALA RIVER						
1	Tying of net on both sides of the bridge - Rejuvenation work of Uppala river- providing fencing on both sides of Uppala NH bridge in Mangalpady Gramapanchayath of Kasaragod district					As the proposed NH upgradation works are going on and these works are to be carried out along with the bridges which are part of the NH, it would not be desirable to carry these works now. .A letter has been sent from Irrigation division Kasargode to the Project Director,Project Implementation unit, NHAI Kannur for including fencing on both sides of bridges across uppala river which are under construction as part of NH66 widening
2	Preparation of action plan newly identified polluted river location - Uppala river - Mulinja.					As per the letter No.PCB/KSRD/DO/RPRS/2528/2015 VOLIV dated 26.08.2025 the Environmental Engineer, KSPCB has informed the Chairperson KSPCB that no need of a new action plan for the newly identified location in Majibayal in Uppala river .Since the newly identified location is situated in between the existing polluted stretch from Poyya to Mulinja where DLTC had already framed the Action plan for restoration of polluted stretch
Tirur-Ponnanippuzha						
1	General - NGT-Rejuvenation of polluted rivers - Tirur - Ponnanippuzha - General civil work		Rs. 30.10 Lakhs AS No. AS/59D/22/25906 dtd: 29/03/2023 of CE, I&A, Tvm RS 30.10 Lakhs	Rs. 30.10 Lakhs TS No. IRR/IA/EST_TS/4907/2022_5_1_1 dtd: 18/04/2023 of EE, Irrigation Division, Malappuram,30.10 Lakhs	Work completed. Physical progress - 100%	Work completed bill paid(Rs 2984168/-Including GST)

2	RKI-Repair and Rehabilitation of Koottayi Regulator cum bridge across Tirur -Ponnani puzha in Mangalam Gramapanchayath in Malappuram District		Rs. 230 Lakhs, G.O(Rt)No. 122/2020/P &EA TVM, Dated.03/03/2020 Rs.230 Lakhs.	Rs. 230 Lakhs, TS No. IDMpm/2020-2021/2016/2656/IA dated.19/05/2020 of SE, INC, KKD,Rs.230 Lakhs.	Work got stuck due to conditions at site	Cracks on girders and settlement of 4 piers towards right bank has seen on 18/11/2023. So the work can be continued only after addressing the present issues. So while preparing the estimate based on the study report from KERI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29/11/2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team to find a solution for the existing issues. It is assigned Kerala State Highway Research Institute to study and recomend remedial solution for the existing issues. KERI Deputy Director conducted preliminary visit on 23/05/2024 .A technical committee has been formed as per GO No. 488/2024/WRD dated 28/06/2024. Technical committee team inspected site on 8.8.2024. They suggested to conduct the hydrographic survey.Hydrographic survey team visited the site on 31.08.2024 to prepare the estimate.AS obtained for Rs.1,34,662/- for hydrographic survey.They completed the survey work. The Hydrographic chart,reduced level chart and cad files submitted by hydrographic survey wing are submitted to CE I & A,TVM.Technical Committee meeting conducted on 10/12/24 and 10/01/25 .Based on the meeting minutes of the Technical Expert committee,DPR of 18.10 crores of the recast Estimate has been submitted to CE I & A TVM on 24/05/2025.
A	PERUMBA RIVER					
3	*Rejuvenation of Perumba River-Desilting Perumba thodu in Payyannur Muncipality, Payyannur LA in Kannur District				DPR Submitted for FS	The flow in the perumba thodu is contaminated with the waste from Payyannur market and its sorroundings. If the existing SWECB was reconstructed and its shutters were closed, the pollutted water may get stagnated at the upstream side may cause serious environmental problems will be created. Hence at present construction of SWECB is not environmentally feasible. If treatment facility is provided by local self government and only fresh water releases to thodu, the SWECB can be reconstructed. Hence now only the desilting the thodu is included in the estimate and submitted for FS as per DSR 2018, for an amount of 5.46 lakhs vide this office letter No. D5-NGT/1429/2019 Vol. III Dtd. 20/07/2023 & 19/08/2023.DPR of amount of Rs. 6.21 lakh prepared as per DSR 2021 is submitted for Fs vide this office letter No. INC-SE-KKD/69/2025-D5 Dtd. 07/11/2025 This work comes under the jurisdiction of MI Division Kannur,

B	**RAMAPURAM RIVER**					
1	Rejuvenation of Ramapuram River-Providing fencing on Ramapuram bridge across Ramapuram river in Madayi Panchayath.		AS/59D/23/33743 dated 04/03/2024 19.00 lakhs		AS obtained	AS obtained as per Order No.AS/59D/23/33743 dtd 04.03.2024. NOC received from KSTP on 9/1/2025 and TS issued on 7.02.2025 vide order No.IRR/IA/EST_TS/1805/2023_5_2_1. .Agreement executed. Site handed over on29/03/2025.Work is in progress (35%completed).Steel framework currently in progress and 90% complete.GI fence installation pending & will comments after the completion of framework.
c	**KAVVAYI RIVER**					
1	Desilting and rejuvenation of Narangathodu in Payyannur Muncipality, Payyannur LA in Kannur District				DPR submitted for FS	*This work comes under the jursidiction of MI Division Kannur. DPR submitted to CE, I&A, Tvm vide this office letter. INC-SE-KKD/69/2025-D5 Dtd. 07/11/2025 for an amount of Rs.8,68,000/-

Superintending Engineer

ACTION PLAN FOR RIVER KALLAYI , KERALA

Kerala State Pollution Control Board,District Office,Kozhikode

NATIONAL MISSION FOR CLEAN GANGA

Format for submission of monthly progress report by state/UTs

(Hon'ble NGT in the matter of OA.No.673/2018dated6/12/2018) For

the month of OCTOBER 2025– Kallayi polluted river stretch

Sl.No.	Activity to be monitored	Timeline	Submission of progress by state/UT-compliance status
1	Ensure 100%treatment of sewage at least in-situ remediation		
2	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured.		
3	Timeline for completing all steps of action plans including completion of setting up STP and their commissioning		
4	Chief secretaries may setup appropriate monitoring mechanisms at the 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 the state level must take place		

5	Progress report may be furnished by the state/UTs to ● Secretary,ministry of Jal Shakti ● Member secretary,CPCB		
5.1	Progress report may be comprised of details along with completion timeline on: **(i)** Identification of polluting source including drains contributing to river pollution and action as per NGT order on in situ treatment. (ii) <u>status of STPs,I&D and sewage 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 (v) Latest water quality of polluted river,its tributaries,drains with flow details and ground water quality in the catchment of polluted river; (vi) preventing dumping of waste and scientific waste management including bio-medical waste plastic waste and decentralizing waste processing,including waste		

	generated from hotels,ashrams etc. (vii) Ground water regulation (viii) Adopting good irrigation practices (ix) protection and management of flood plain zones(FPZ), (x) Rainwater harvesting (xi) Maintaining minimum environmental flow of river (xii) Plantation on both sides of the river (xiii) Setting up bio diversity parks on flood plains by removing encroachment		**Monthly progress report enclosed**

KOZHIKODE CORPORATION

No.	Activity	Implementing agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
1	Identification of illegal outlets into storm water drain and issue Notice to such units	Kozhikode Corporation	30.12.2020			Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	On going
2	Waste to energy project proposed at Njeliyamparamba	KSIDC	30.06.2021			Project dropped		
3	Establishment of Aerobic compost units	Kozhikode Corporation	Completed and functioning			Completed and functioning	100%	
4	Segregation of solid waste at source-level and treatment of household wastes	Kozhikode Corporation	30.06.2019			Completed	100% Coverage	

5	Setting up of rendering treatment plant for chicken stall wastes	Kozhikode Corporation	30.06.2019			Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	100% Coverage	Functioning
6	Implementation of Green protocol unit	Kozhikode Corporation	30.06.19			On going		Ongoing
7	Setting up of common STP of (13MLD) (6 MLD At Kothi bridge)&(7 MLD At Avikkal	Kozhikode Corporation	31.03.2020			. Project dropped due to Public protest and court cases..	Project dropped	

8	Implementation of 27 MLD STP at Kottoli(Sarovaram)					After receivingCouncil approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal.The administrative sanction forconstructing a 27MLD STP at Kottoli(Sarovaram) was received on08.01.2024.Technica lsanctionis pending with the KWA		27 MLD STP with 220 KLD FSTP as co-treatment with 54 km network
9	Cleaning of Canoli canal	Kozhikode Corporation	Periodical			Periodical cleaning		Continuous - seasonal
10	Purchasing of Solar Boat for Canoli canal cleaning	Kozhikode Corporation	31.03.2020			Project dropped		Project dropped

11	Installation of CCTV Camera for the Identification and monitoring of illegal activities	Kozhikode Corporation				On going		On going
12	Establishment of Mobile Septage Units	Kozhikode Corporation	31.03.2020			Project dropped		Project dropped
13	Action taken against dumping of wastes into river and public places	Kozhikode Corporation	On going action			Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuous
14	Cleaning of B.K canal	Kozhikode Corporation	31.03.2020			Completed	100%	
15	Establishment of treatment plant at Medical college (3MLD plant) 15.1-2 MLD plant proposed 15.2-1 MLD plant proposed	Kozhikode Corporation	31.03.2020			Completed and functioning.	100%	Functioning

16	Construction of drains at Y.M.RC Ayyankarcolony	Kozhikode Corporation	31.03.2020			90% coverage	90%	Progressing
17	Provide facility for MRF,RRF,Super MRF Three units existing 17.1 Njeliyanparamb 17.2 Industrial estate 17.3 Mayor Bhavan jayanthi nagar colony	Kozhikode Corporation				3.MRFand 5.MCFare already existing. New project going on.		New project under consideration
18	Identification of illegal outlets from house to storm water drain and issue Notice to such Houses	Kozhikode Corporation				On going - Continuous process	On going - Continuous process	Continuous
19	Establishment of Plastic shredding unit	Kozhikode Corporation				Project started		
20	Establishment of slaughtering unit	Kozhikode Corporation				Project under Consideration	Project under Consideration	Not reported
21	Cleaning of drains in Kozhikode Town	Kozhikode Corporation				On going - Continuous process		Continuous

Perumanna Grama Panchayath

No.	Activity	Implementing agency	Progress in the month of AUGUST 2025	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
1	Outlets into storm Water drain and issue notice	Perumanna Panchayat, kozhikode			Inspection conducting regularly	Continuous	
2	Establishment of six aerobic compost units in panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			Work completed(100% coverage)	100% coverage	Completed
3	Collection and segregation of solid waste in the river	Perumanna Panchayat			Work completed	Completed	
4	Setting up of 360 soak pit plant in all houses near the river area and panchayat	Perumanna Panchayat through MGNREGS			Progressing 80% completed	80% completed	Progressing
5	Implementation of 360 compost unit near river side and panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			80% completed Progressing	80% completed	Progressing
6	Implementation of water flow project (Aluvangal Thazham Perumbatta Elamanapadam, Valiyapadam. Mampuzhthode	Perumanna Panchayat			Technical sanction obtained. Tender procedure completed.		

	Naveekarana, project no 260/2021 project cost16.67Lakhs).						
8	Cleaning of Mambuzha river (project name : Mambuzha water flow restoration, project no 01/2018-19	District Panchayat , Kozhikode			Work has been completed by District Panchayat, Kozhikode	Completed	
9	Establishment of 18 nos of mini MCF in different wards including Payyadi methal where the river is flowing	Perumanna Panchayat , Kozhikode through MGNREGS			Completed.	Completed.	
10	Collection of plasticWaste from the river	Perumanna Panchayat			Process will be done every year	Continuous	Continuous

Peruvayal Grama Panchayath

No.	Activity	Implementing agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	%works completed	Details of works remaining
1	Outlet in storm water drain and issued notice	Peruvayal G P	Continuous process			Ongoing		Continuous
2	Establishment of 56 units anaerobic composed unit in panchayat.	Peruvayal GP through MGNREGS	04/2023 to 03/2021			Ongoing	Ongoing	Continuous process
3	Setting up of 379 soak pit plant in all houses	Peruvayal G P	04/2023 to 03/2024			Completed	Completed	Completed
4	Cleaning of Mambuzha river (Mambuzha renovation) project no :190/2017-18	District panchayat Kozhikode	2017-2018			Completed	Completed	

5	Establishment of 8 numbers of mini MCF	Peruvayal GP through MGNREGS	04/2023 TO 03/2024			80% completed	80% completed	No further progress reported
6	Collection of plastic waste from the river	Peruvayal GP	Continuous process			Work completed	100% coverage	
7	Collection and segregation of solid waste in the river	Peruvayal GP	Continuous process			Ongoing	Ongoing	Continuous process
8	Establishment of Bio gas plant	Peruvayal GP	2023-24			Work completed (70% coverage)	70% coverage	No further progress reported
9	Well recharge	Peruvayal GP through MGNREGS	2023-24			Work completed (60% coverage) .	60% coverage	No further progress reported

Mavoor Grama Panchayat

No.	Activity	Implementing agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	%Work completed	Details of work remaining
1	Transportation of waste management to refinement unit	Konnari Advanced Polymers Limited	2022-23			Completed	100%	
2	Cleaning of Cherupuzha (Kuniyakadav to Thenghilakadav)	Mavoor GP	2022-23			Completed	100%	
3	Valayannor Thodu cleaning	MGNREGS	2022-23			Completed		
4	Arayancode kalchira Thodu Cleaning	MGNREGS	2022-23			Completed		
5	Vellaram Kandi Chirakkal thazham thodu	Mavoor GP	2023-24			Completed	100%	
6	Ring compost	Mavoor GP	2023-24			Completed		
7	Kadayan thodu	MGNREGS	2023-24			Completed	100%	
8	Chalippadam Punchappadam thodu	MGNREGS	2023-24			Completed	100%	
9	Puthiyottil thazham Elaram thodu	MGNREGS	2023-23			Completed	100%	

OLAVANNA GRAMAPANCHAYAT

No	Activity	Implementing Agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	% Works Completed	Details Of Remaining
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	
3	Cleaning of Mambuzha river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	Completed
4	Well recharge	Olavanna Gramapanchayat through MGNREGS	4/2023 To 3/2024			Completed	100%	
5	Setting up of soak pit in houses	Olavanna Gramapanchayat through MGNREGS	4/2022 To 3/2024			Completed	100%	
6	Action taken against dumping of waste in to river	Olavanna Gramapanchayat	Continuous process			Process continuing	100%	Completed
7	Collection of non-biodegradable waste	Harith karma sena	Throughout the year			Process continuing	Process continuing	Continuous

IRRIGATION DEPARTMENT

No	Activity	Implementing Agency	Timeline	Progress in the month of AUGUST 2024	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	% Works Completed	Details Of Remaining Work
1	Desilting of Kallayi river from Kaduppini to Kothi in Kozhikode Corporation	Irrigation department	31.03.2021	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started, Work Completed 12 %			12%	
2	Provide fencing on the sides of the Bridge	Irrigation department	31.03.2021	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)				
3	Dredging , Desilting & removal of weeds from E K canal (11.21 km)	Irrigation department	31.07.2019	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL)				
4	Bio park in Kozhikode District	Irrigation department		Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department				
5	Flood prone mapping in Kozhikode District	Irrigation department		Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills				

Kerala State Pollution Control Board

No. (as per Action Plan	Activity	Implementing agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
1	River water quality monitoring-Kallayi river National Water Quality Monitoring Programme (NWMP)	KSPCB	Ongoing ; monthly frequency			Process continuing		
2	River water quality monitoring–Kallayi rivers State Water Monitoring Programme,KSPCB fund(SWMP)	KSPCB	Ongoing. Seasonal monitoring– pre-monsoon , monsoon , post-monsoon			Process continuing		
3	Inspection and effluent quality monitoring of the flats,industrial units,service stations, hospitals, Hotels etc. In Malappuram Municipal area	KSPCB	Ongoing Interval: Red– 1 month. Orange–3months. Green–6months.			Process continuing		

Suchitwa Mission

No. (as per Action Plan	Activity	Implementing agency	Timeline	Progress in the month of AUGUST 2025	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
1	Board displaying messages against dumping to be placed in river banks	Suchitwa Mission	15.07.19			Process continuing		

Action Plan by Ground Water Department

No. (as per Action Plan)	Activity	Implementing agency	Progress in the month of AUGUST 2025	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones / blocks	Ground Water Department			As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		
B(ii)	Ground water recharging/ rain water harvesting	Ground Water Department			The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		
B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/ bore wells or hand pumps	Ground Water Department			Ground water Department has1observation Piezometer (BW) in the river stretch.)		
B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	Ground Water Department			The total irrigation draft in the Block area is 488.76 ha.m.)		

Action plan by irrigation Department

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of AUGUST 2025	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	% works completed	Details of works remaining
E	Dredging and desilting	Irrigation Department	3 years			Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started, Work Completed 12 %	12%	
E	E-flow (by micro water shed management)	Irrigation Department	3 years			Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.		
E	Flood plain zone (protection and management)	Irrigation Department	3 years			Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.		
E	Greenery development (plant in trees on the banks)	Irrigation Department	3 years			Not reported		Not reported

ACTION PLAN FOR RIVER KALLAYI , KERALA

Kerala State Pollution Control Board,District Office,Kozhikode

NATIONAL MISSION FOR CLEAN GANGA

Format for submission of monthly progress report by state/UTs

(Hon'ble NGT in the matter of OA.No.673/2018dated6/12/2018) For

the month of NOVEMBER 2025– Kallayi polluted river stretch

Sl.No.	Activity to be monitored	Timeline	Submission of progress by state/UT-compliance status
1	Ensure 100%treatment of sewage at least in-situ remediation		
2	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured.		
3	Timeline for completing all steps of action plans including completion of setting up STP and their commissioning		
4	Chief secretaries may setup appropriate monitoring mechanisms at the 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 the state level must take place		

5	Progress report may be furnished by the state/UTs to ● Secretary,ministry of Jal Shakti ● Member secretary,CPCB		
5.1	Progress report may be comprised of details along with completion timeline on: **(i)** Identification of polluting source including drains contributing to river pollution and action as per NGT order on in situ treatment. (ii) <u>status of STPs,I&D and sewage 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 (v) Latest water quality of polluted river,its tributaries,drains with flow details and ground water quality in the catchment of polluted river; (vi) preventing dumping of waste and scientific waste management including bio-medical waste plastic waste and decentralizing waste processing,including waste		

	generated from hotels,ashrams etc. (vii) Ground water regulation (viii) Adopting good irrigation practices (ix) protection and management of flood plain zones(FPZ), (x) Rainwater harvesting (xi) Maintaining minimum environmental flow of river (xii) Plantation on both sides of the river (xiii) Setting up bio diversity parks on flood plains by removing encroachment		**Monthly progress report enclosed**

KOZHIKODE CORPORATION

No.	Activity	Implementing agency	Time line	Progress in the month of SETEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	Identification of illegal outlets into storm water drain and issue Notice to such units	Kozhikode Corporation	30.12.2020			Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	On going
2	Waste to energy project proposed at Njeliyamparamba	KSIDC	30.06.2021			Project dropped		
3	Establishment of Aerobic compost units	Kozhikode Corporation	Completed and functioning			Completed and functioning	100%	
4	Segregation of solid waste at source-level and treatment of household wastes	Kozhikode Corporation	30.06.2019			Completed	100% Coverage	

5	Setting up of rendering treatment plant for chicken stall wastes	Kozhikode Corporation	30.06.2019			Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	100% Coverage	Functioning
6	Implementation of Green protocol unit	Kozhikode Corporation	30.06.19			On going		Ongoing
7	Setting up of common STP of (13MLD) (6 MLD At Kothi bridge)&(7 MLD At Avikkal	Kozhikode Corporation	31.03.2020			. Project dropped due to Public protest and court cases..	Project dropped	

8	Implementation of 27 MLD STP at Kottoli(Sarovaram)					After receivingCouncil approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal.The administrative sanction forconstructing a 27MLD STP at Kottoli(Sarovaram) was received on08.01.2024.Technica lsanctionis pending with the KWA		27 MLD STP with 220 KLD FSTP as co-treatment with 54 km network
9	Cleaning of Canoli canal	Kozhikode Corporation	Periodical			Periodical cleaning		Continuous - seasonal
10	Purchasing of Solar Boat for Canoli canal cleaning	Kozhikode Corporation	31.03.2020			Project dropped		Project dropped

11	Installation of CCTV Camera for the Identification and monitoring of illegal activities	Kozhikode Corporation				On going		On going
12	Establishment of Mobile Septage Units	Kozhikode Corporation	31.03.2020			Project dropped		Project dropped
13	Action taken against dumping of wastes into river and public places	Kozhikode Corporation	On going action			Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuous
14	Cleaning of B.K canal	Kozhikode Corporation	31.03.2020			Completed	100%	
15	Establishment of treatment plant at Medical college (3MLD plant) 15.1-2 MLD plant proposed 15.2-1 MLD plant proposed	Kozhikode Corporation	31.03.2020			Completed and functioning.	100%	Functioning

16	Construction of drains at Y.M.RC Ayyankarcolony	Kozhikode Corporation	31.03.2020			90% coverage	90%	Progressing
17	Provide facility for MRF,RRF,Super MRF Three units existing 17.1 Njeliyanparamb 17.2 Industrial estate 17.3 Mayor Bhavan jayanthi nagar colony	Kozhikode Corporation				3.MRFand 5.MCFare already existing. New project going on.		New project under consideration
18	Identification of illegal outlets from house to storm water drain and issue Notice to such Houses	Kozhikode Corporation				On going - Continuous process	On going - Continuous process	Continuous
19	Establishment of Plastic shredding unit	Kozhikode Corporation				Project started		
20	Establishment of slaughtering unit	Kozhikode Corporation				Project under Consideration	Project under Consideration	Not reported
21	Cleaning of drains in Kozhikode Town	Kozhikode Corporation				On going - Continuous process		Continuous

Perumanna Grama Panchayath

No.	Activity	Implementing agency	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	Outlets into storm Water drain and issue notice	Perumanna Panchayat, kozhikode			Inspection conducting regularly	Continuous	
2	Establishment of six aerobic compost units in panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			Work completed(100% coverage)	100% coverage	Completed
3	Collection and segregation of solid waste in the river	Perumanna Panchayat			Work completed	Completed	
4	Setting up of 360 soak pit plant in all houses near the river area and panchayat	Perumanna Panchayat through MGNREGS			Progressing 80% completed	80% completed	Progressing
5	Implementation of 360 compost unit near river side and panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			80% completed Progressing	80% completed	Progressing
6	Implementation of water flow project (Aluvangal Thazham Perumbatta Elamanapadam, Valiyapadam. Mampuzhthode	Perumanna Panchayat			Technical sanction obtained. Tender procedure completed.		

	Naveekarana, project no 260/2021 project cost16.67Lakhs).						
8	Cleaning of Mambuzha river (project name : Mambuzha water flow restoration, project no 01/2018-19	District Panchayat , Kozhikode			Work has been completed by District Panchayat, Kozhikode	Completed	
9	Establishment of 18 nos of mini MCF in different wards including Payyadi methal where the river is flowing	Perumanna Panchayat , Kozhikode through MGNREGS			Completed.	Completed.	
10	Collection of plasticWaste from the river	Perumanna Panchayat			Process will be done every year	Continuous	Continuous

Peruvayal Grama Panchayath

No.	Activity	Implementing agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	%works completed	Details of works remaining
1	Outlet in storm water drain and issued notice	Peruvayal G P	Continuous process			Ongoing		Continuous
2	Establishment of 56 units anaerobic composed unit in panchayat.	Peruvayal GP through MGNREGS	04/2023 to 03/2021			Ongoing	Ongoing	Continuous process
3	Setting up of 379 soak pit plant in all houses	Peruvayal G P	04/2023 to 03/2024			Completed	Completed	Completed
4	Cleaning of Mambuzha river (Mambuzha renovation) project no :190/2017-18	District panchayat Kozhikode	2017-2018			Completed	Completed	

5	Establishment of 8 numbers of mini MCF	Peruvayal GP through MGNREGS	04/2023 TO 03/2024			80% completed	80% completed	No further progress reported
6	Collection of plastic waste from the river	Peruvayal GP	Continuous process			Work completed	100% coverage	
7	Collection and segregation of solid waste in the river	Peruvayal GP	Continuous process			Ongoing	Ongoing	Continuous process
8	Establishment of Bio gas plant	Peruvayal GP	2023-24			Work completed (70% coverage)	70% coverage	No further progress reported
9	Well recharge	Peruvayal GP through MGNREGS	2023-24			Work completed (60% coverage) .	60% coverage	No further progress reported

Mavoor Grama Panchayat

No.	Activity	Implementing agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	%Work completed	Details of work remaining
1	Transportation of waste management to refinement unit	Konnari Advanced Polymers Limited	2022-23			Completed	100%	
2	Cleaning of Cherupuzha (Kuniyakadav to Thenghilakadav)	Mavoor GP	2022-23			Completed	100%	
3	Valayannor Thodu cleaning	MGNREGS	2022-23			Completed		
4	Arayancode kalchira Thodu Cleaning	MGNREGS	2022-23			Completed		
5	Vellaram Kandi Chirakkal thazham thodu	Mavoor GP	2023-24			Completed	100%	
6	Ring compost	Mavoor GP	2023-24			Completed		
7	Kadayan thodu	MGNREGS	2023-24			Completed	100%	
8	Chalippadam Punchappadam thodu	MGNREGS	2023-24			Completed	100%	
9	Puthiyottil thazham Elaram thodu	MGNREGS	2023-23			Completed	100%	

OLAVANNA GRAMAPANCHAYAT

No	Activity	Implementing Agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% Works Completed	Details Of Remaining
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	
3	Cleaning of Mambuzha river	Olavanna Gramapanchayat	Continuous process			Completed	Completed	Completed
4	Well recharge	Olavanna Gramapanchayat through MGNREGS	4/2023 To 3/2024			Completed	100%	
5	Setting up of soak pit in houses	Olavanna Gramapanchayat through MGNREGS	4/2022 To 3/2024			Completed	100%	
6	Action taken against dumping of waste in to river	Olavanna Gramapanchayat	Continuous process			Process continuing	100%	Completed
7	Collection of non-biodegradable waste	Harith karma sena	Throughout the year			Process continuing	Process continuing	Continuous

IRRIGATION DEPARTMENT

No	Activity	Implementing Agency	Timeline	Progress in the month of SEPTREMBER 2024	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% Works Completed	Details Of Remaining Work
1	Desilting of Kallayi river from Kaduppini to Kothi in Kozhikode Corporation	Irrigation department	31.03.2021	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started, Work Completed 12 %			12%	
2	Provide fencing on the sides of the Bridge	Irrigation department	31.03.2021	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)				
3	Dredging , Desilting & removal of weeds from E K canal (11.21 km)	Irrigation department	31.07.2019	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL)				
4	Bio park in Kozhikode District	Irrigation department		Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department				
5	Flood prone mapping in Kozhikode District	Irrigation department		Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills				

Kerala State Pollution Control Board

No. (as per Action Plan	Activity	Implementing agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	River water quality monitoring-Kallayi river National Water Quality Monitoring Programme (NWMP)	KSPCB	Ongoing ; monthly frequency			Process continuing		
2	River water quality monitoring–Kallayi rivers State Water Monitoring Programme,KSPCB fund(SWMP)	KSPCB	Ongoing. Seasonal monitoring– pre-monsoon , monsoon , post-monsoon			Process continuing		
3	Inspection and effluent quality monitoring of the flats,industrial units,service stations, hospitals, Hotels etc. In Malappuram Municipal area	KSPCB	Ongoing Interval: Red– 1 month. Orange–3months. Green–6months.			Process continuing		

Suchitwa Mission

No. (as per Action Plan	Activity	Implementing agency	Timeline	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
1	Board displaying messages against dumping to be placed in river banks	Suchitwa Mission	15.07.19			Process continuing		

Action Plan by Ground Water Department

No. (as per Action Plan)	Activity	Implementing agency	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones / blocks	Ground Water Department			As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		
B(ii)	Ground water recharging/ rain water harvesting	Ground Water Department			The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		
B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/ bore wells or hand pumps	Ground Water Department			Ground water Department has1observation Piezometer (BW) in the river stretch.)		
B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	Ground Water Department			The total irrigation draft in the Block area is 488.76 ha.m.)		

Action plan by irrigation Department

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of SEPTEMBER 2025	Progress in the month of OCTOBER 2025	Progress in the month of NOVEMBER 2025	% works completed	Details of works remaining
E	Dredging and desilting	Irrigation Department	3 years			Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started, Work Completed 12 %	12%	
E	E-flow (by micro water shed management)	Irrigation Department	3 years			Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.		
E	Flood plain zone (protection and management)	Irrigation Department	3 years			Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.		
E	Greenery development (plant in trees on the banks)	Irrigation Department	3 years			Not reported		Not reported

Monthly Analysis report of river -Pullur- November 2025		
Sampling Date: 10/11/2025		
Station Name	RIVER PULLUR AT PULLUR BRIDGE NWMP (Station code:2303)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	28
2	Dissolved Oxygen, mg/l	7.7
3	pH	6.3
4	Conductivity, µmhos/cm	59
5	BOD, mg/l	1.1
6	Nitrate-N, mg/l	0.7
7	Turbidity, NTU	1.9
8	Phenolphthalein Alkalinity, mg/l	-
9	Total Alkalinity, mg/l	30
10	Chloride, mg/l	11
11	COD, mg/l	3.1
12	TKN, mg/l	-
13	Ammoniacal-N, mg/l	0.005
14	Total Hardness as CaCO3, mg/l	18
15	Calcium as CaCO3, mg/l	8
16	Magnesium as CaCO3, mg/l	10
17	Sulphate, mg/l	0.3
18	Calcium (Ca2+), mg/l	3.2
19	Magnesium (Mg2+), mg/l	2.4
20	Sodium, mg/l	7.8
21	Total Dissolved Solids, mg/l	49
22	Total Fixed Solids, mg/l	25
23	Total Suspended Solids, mg/l	89
24	Phosphate, mg/l	0.011
25	Boron, mg/l	0.01
26	Potassium, mg/l	0.7
27	Fluoride, mg/l	0.7
28	Total Coliform, MPN/100 ml	590
29	Fecal Coliform, MPN/100 ml	440
30	Fecal Streptococcus, MPN/100 ml	10
31	% SODIUM	47.3
32	SAR	0.81

Sd/

ASSISTANT SCIENTIST

Monthly Analysis report of river -Uppala- November 2025		
Sampling Date: 17/11/2025		
Station Name	RIVER UPPALA AT UPPALA BRIDGE (NWMP Station code:2306)	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	27
2	Dissolved Oxygen, mg/l	7.4
3	pH	6.7
4	Conductivity, µmhos/cm	95
5	BOD, mg/l	1.6
6	Nitrate-N, mg/l	0.1
7	Turbidity, NTU	1.7
8	Phenolphthalein Alkalinity, mg/l	-
9	Total Alkalinity, mg/l	34
10	Chloride, mg/l	13
11	COD, mg/l	4.7
12	TKN, mg/l	-
13	Ammoniacal-N, mg/l	0.004
14	Total Hardness as CaCO3, mg/l	25
15	Calcium as CaCO3, mg/l	15
16	Magnesium as CaCO3, mg/l	10
17	Sulphate, mg/l	1.6
18	Calcium (Ca2+), mg/l	6.0
19	Magnesium (Mg2+), mg/l	2.4
20	Sodium, mg/l	7.3
21	Total Dissolved Solids, mg/l	65
22	Total Fixed Solids, mg/l	50
23	Total Suspended Solids, mg/l	77
24	Phosphate, mg/l	0.008
25	Boron, mg/l	0.07
26	Potassium, mg/l	1.4
27	Fluoride, mg/l	0.8
28	Total Coliform, MPN/100 ml	410
29	Fecal Coliform, MPN/100 ml	210
30	Fecal Streptococcus, MPN/100 ml	30
31	% SODIUM	37.2
32	SAR	0.64

Sd/

ASSISTANT SCIENTIST