

**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 - May2025**

**1. Short Term Plan**

**Maintenance and de-bottle necking of existing sewerage network**

No.	Activity	Implementing agency	Time line	Progress in the month of March 2025	Progress in the month of April 2025	Progress in the month of May 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%	Work Completed. DER for pumping main from Pattoor, Kannammoola & Enchakkal under preparation
	Rehabilitation/upgradation						100%	Completed

2.1.2	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 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	Kerala Water Authority	Completed				100 % completed	Works Completed.
	stopped as there is 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.





								contractor steps back from contract. Recommended to terminate the work and arrange at risk and cost. After discussion at SE level the contractor agreed to complete the work before 31.05.2025. As the work is not yet started, action is being taken to terminate the contractor from this work.
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		Three years				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
3.1.2	Extension of sewerage system to Block H to R							
	Extension of sewerage							

3.1.3	system to newly added areas of corporation viz,								No.KWA/SE/SEW/EOI/REPL/338/2020-2021 of theSuperintending Engineer,Sewerage
3.1.4	Providing sewerage system in Block A to E								Circle, Kerala Water AuthorityThiruvananthapuram dated
3.1.5	Rehabilitation of existing Network and pump house in block A to E								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
3.1.6	Procurement of equipment for maintenance of sewerage system.								REPL filed a complaint against KWA in the Hon'ble High court of Kerala (WP(C) No
3.1.7	Additional STP requirement								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 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 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 I zone I&V also the
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							<p>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 Sewerage network with 5 year O&amp;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.</p> <p>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 the</p>
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								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 Zone 1&3 revised and is under scrutiny for submitting the same to Corporation for getting AS under UIDF.
	Total Amount		5000CR					

Works taken up by Kerala Water Authority as part of Pollution abatement of Karamana River is attached herewith for perusal

**Managing Director**

Signed by

Jeevan Babu K

Date: 03-06-2025 17:57:54

**WORKS UNDERTAKEN AS PART OF N G T ACTION PLAN****STATE PLAN 2021-22**

SI No.	Name of Work	Implementing office	Source of fund	Time line	Status as on 31.05.2025
1	TSS - Providing and laying 300mm dia main and 200mm SW branch sewer line towards Sreekrishna Nagar in front 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 Koopakaramadom	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 acquisition 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		Dropped

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 Thamarabthagam 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		Out of 167.50m of 600 mm RCC NP3 pipe, 145m laid and 11 MH completed. Sanction was accorded by Irrigation Department to lay DI pipe across the box culvert. Box Culvert work completed. (99% 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		Ongoing
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		Tendered no offers received
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		
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 In 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 Pongala 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 Pongala 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 Pongala 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 Pongala 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-rendered

**STATE PLAN 2023-24**

SI No.	Name of Work	Implementing office	Source of fund	Time line	Status
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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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Tender evaluation</b>
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	<b>Completed</b>
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	<b>Retendered</b>

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	<b>Completed</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Completed</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Agreement Executed</b>

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	<b>Completed</b>
18	State Plan 2023-24-TSS- Providing and laying 250mm 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	<b>Agreement Executed</b>
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	<b>Completed</b>
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	<b>Tendered</b>
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	<b>Work ongoing</b>
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	<b>Completed</b>
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	<b>Completed</b>
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	<b>Work ongoing</b>

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	Work ongoing
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	Retendered
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	Work ongoing
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	Agreement Executed
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	Work ongoing

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	<b>Completed</b>
33	State Plan 2023-24- TSS- Urgent relaying of damaged gravity main at Sreevaraham junction	Sewerage Division, KWA, Trivandrum	State Plan	31-03-2025	<b>Tendered</b>
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	<b>Work ongoing</b>
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	<b>Work ongoing</b>
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	<b>Tender evaluation</b>
37	State Plan 2023-24-TSS Plan 30- 2023 - 24 - TSS - Rehabilitation of existing damaged 100 mm CI pipe with 160 mm 10 kg/cm <sup>2</sup> 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	<b>Work ongoing</b>

38	State Plan 2023-24-TSS - Rehabilitation of existing damaged 100mm pvc pipe to 200mm SW pipe at Nandavanam in Valiasala ward from electric 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	<b>Agreement Executed</b>
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	<b>Dropped</b>
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	<b>Retendered</b>
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	<b>Retendered</b>
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	<b>Work ongoing</b>
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	<b>Completed</b>
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	<b>Retendered</b>

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	to be retendered
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 and commissioning of non clog wet 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
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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 in front 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	TS Estimate Pending
6	State Plan-2024 - 2025 - zone I- 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	Work ongoing
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	Work ongoing
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	Work ongoing
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 Awarded
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	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
15	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		
16	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
17	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	Work ongoing
18	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	Work ongoing
19	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

20	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		<b>Dropped</b>
21	State Plan-2024-25 - providing roofing sheet for diesel generator installed at Plamoodu, Murinjapalam, Kannamoola and Pattoor pump houses, walking arrangements 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	<b>Work ongoing</b>
22	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	<b>Work Awarded</b>
23	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	<b>Work Awarded</b>
24	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	
25	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	<b>Tendered</b>
26	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	<b>Work ongoing</b>
27	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	<b>Work ongoing</b>

28	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	<b>Retendered</b>
29	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	<b>Retendered</b>
30	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	<b>Work ongoing</b>
31	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	<b>Work ongoing</b>
32	State Plan 2024-2025- Comprehensive Proposal for Infra structure Enhancement of Sewerage Treatment Plant at Muttathara	Sewerage Division, KWA, Trivandrum	State Plan		
33	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	<b>Work ongoing</b>
34	State Plan- -2024-25- Protective shelter for sewer cleaning machines and arranging control station for sewer cleaning machines and vehicles in Sasthamangalam	Sewerage Division, KWA, Trivandrum	State Plan		<b>Work ongoing</b>
35	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		<b>Work ongoing</b>

36	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
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**STATE PLAN 2024-25**

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		AS Received
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		AS Received
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 Thamarabthagam.	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 Biryani Hotel at Kesavadasapuram - Ulloor Road.	Sewerage Division, KWA, Trivandrum	State Plan		AS Received
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		AS Received

**AMRUT**

Sl No.	Name of Work	Implementing office	Source of fund	Time line	Status
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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 - Providing and 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 laying 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		Nonstarter
18	Upgradation of sewer lines from Mudavanmughal jn (near RC Church) to Decent Mukku jn	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
19	Upgradation of existing sewer line from Kunnunbanglow to Mudavanmughal jn(near RC Church)	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
20	Rehabilitation and upgradation of sewerage main from NC Hospital junction to Kannettumuuku junction	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
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		Nonstarter
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		Nonstarter

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	<del>AMRUT 2.0 - Replacing and upgrading of old and damaged sewer line through NB Street and NSS Karayogam of Jawaher Nagar in Kowdiar ward</del>	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		Nonstarter
29	AMRUT 2.0--Providing new Sewer line in Idavakkadu 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		Nonstarter
31	AMRUT 2.0 -Providing new sewer line near Udarasiromani Jhanardhanan Pillai road in Vazhuthacadu ward	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
32	AMRUT 2.0 - Providing new sewer line at Housing Board colony in Kuravankonam.	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter
33	AMRUT 2.0 -Providing new sewer line at Vinayaka nagar towards Arappura area	Sewerage Division, KWA, Trivandrum	AMRUT		Nonstarter

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		Nonstarter
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**SMART CITY**

SI 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 traffic lnt 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		Ongoing
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
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**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		Work Awarded
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		Ongoing
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		To be tendered
6	LAC-ADS-Laying new sewerage line -Mosque lane Sreemoolam lane at Thampanoor ward-Sewerage Work	Sewerage Division, KWA, Trivandrum	MLA-ADS		Tendered



**STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2025**

Analysis Report for the month of May 2025

Name of River		KARAMANA					
Date and Time of Sample collection		14/05/2025					
Method of analysis		SAMPLE ID					
Sl no	Parameters	Peppara	Arenkara	Mangarakavu	Pallathukavu	Thrusallem	Moonhattumukku
		1	Temperature, degree celsius	28	28	29.4	30
2	DO, mg/L	6.8	7.7	7.2	4.7	4.8	1.3
3	pH	6.5	6.6	6.6	6.5	6.8	6.9
4	Electrical Conductivity, $\mu\text{mhos/cm}$	40	65	148	525	1430	1123
5	BOD, mg/L	1 (BDL)	1.1	1.2	2.5	3.4	7.7
6	Nitrate, mg/L	0.3 (BDL)	0.3 (BDL)	0.3 (BDL)	0.3 (BDL)	0.3 (BDL)	2.4
7	Turbidity, NTU	1 (BDL)	1 (BDL)	1 (BDL)	2.1	3.2	2.5
8	Total Alkalinity as $\text{CaCO}_3$ , mg/L	20 (BDL)	20 (BDL)	32	56	100	144
9	Chloride, mg/L	10	20	32	124	352	260
10	$\text{NH}_3\text{N}$ , mg/L	0.4 (BDL)	0.4 (BDL)	0.4 (BDL)	0.4 (BDL)	2	11.8
11	Total Hardness as $\text{CaCO}_3$ , mg/L	12	16	28	68	120	168
12	Calcium Hardness as $\text{CaCO}_3$ , mg/L	8	12	20	40	88	112
13	Magnesium Hardness as $\text{CaCO}_3$ , mg/L	04 (BDL)	04 (BDL)	8	28	32	56
14	Sulphate, mg/L	05 (BDL)	05 (BDL)	05 (BDL)	5.9	15.8	8.9
15	Sodium, mg/L	6.5	13.2	17.1	70.3	248.2	178.4
16	Total Dissolved Solids, mg/L	28	56	90	289	750	631
17	Phosphate, mg/L	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)
18	Boron, mg/L	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)
19	Potassium, mg/L	4.4	4.2	7.6	13.5	29.8	28.6
20	Total Coliform, cfu/100ml	840	1100	1700	3800	4500	32000
21	Faecal Coliform, cfu/100ml	440	910	1300	2700	3100	17000
22	SAR	0.8	1.4	1.4	3.7	9.8	6.0

*Shine*  
14/05/2025

ASSISTANT ENVIRONMENTAL SCIENTIST

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

SL NO	PARAMETER	RIVER-NEYYAR		RIVER- KARAMANA		RIVER- MAMOM	RIVER- AYIROOR	RIVER- VAMANAPURAM
		Amaravila	Aruvippuram	Aruvikkara	Moonnattumukku	Mamom	Ayiroor	Vamanapuram
1	Temperature (°C)	29	29	28	30	29	29	29
2	Dissolved O2 (mg/L)	7.7	7.5	7.7	1.3	7	5.8	7.1
3	pH	6.4	7	6.6	6.9	7.4	6.3	6.2
4	Conductivity (µmho/Cm)	109	115	65	1123	133	129	73
5	BOD (g/L)	1.2	1 (BDL)	1.1	7.7	1.4	1.2	1 (BDL)
6	Nitrate - N (Mg/L)	0.3 (BDL)	0.3 (BDL)	0.3 (BDL)	2.4	0.3 (BDL)	0.3 (BDL)	0.3 (BDL)
7	Turbidity (NTU)	1.1	1 (BDL)	1 (BDL)	2.5	1 (BDL)	1 (BDL)	1 (BDL)
8	Phenolphthalein Alkalinity (mg/L)	05 (BDL)	05 (BDL)	05 (BDL)	05 (BDL)	05 (BDL)	05 (BDL)	05 (BDL)
9	Total Alkalinity (mg/L)	20 (BDL)	24	20 (BDL)	144	24	28	20 (BDL)
10	Chlorides (mg/L)	20	20	20	260	32	24	14
11	COD (mg/L)	05 (BDL)	05 (BDL)	05 (BDL)	112	05 (BDL)	05 (BDL)	05 (BDL)
12	Total Kjeldahl Nitrogen (mg/L)	1.5 (BDL)	1.5 (BDL)	1.5 (BDL)	17.3	1.5 (BDL)	1.5 (BDL)	1.5 (BDL)
13	Ammonical N (mg/L)	0.4 (BDL)	0.4 (BDL)	0.4 (BDL)	11.8	0.4 (BDL)	0.4 (BDL)	0.4 (BDL)
14	Total Hardness (mg/L)	20	16	16	168	28	16	16
15	Ca as CaCo3 (mg/L)	12	12	12	112	24	12	12
16	Mg as CaCo3 (mg/L)	8	04 (BDL)	04 (BDL)	56	04 (BDL)	04 (BDL)	04 (BDL)
17	Sulphate (mg/L)	05 (BDL)	05 (BDL)	05 (BDL)	8.9	05 (BDL)	05 (BDL)	05 (BDL)
18	Ca++ (mg/L)	4.8	4.8	4.8	44.9	9.6	4.8	4.8
19	Mg++ (mg/L)	1.9	1.0	1.0	13.6	1	1.0	1.0
20	Sodium (mg/L)	10.8	13.7	13.2	178.4	19.2	18.5	9.8
21	Total Dissolved Solids (mg/L)	61	63	56	631	82	76	49
22	Total Fixed Solids (mg/L)	19	27	37	252	48	40	27
23	Total Suspended Solids (mg/L)	10 (BDL)	11	12	112	22	18	15
24	Total Phosphate (mg/L)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)
25	Boron (mg/L)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)	0.5 (BDL)
26	Potassium (mg/L)	6.5	6.2	4.2	28.6	5.1	4.2	4.4
27	Fluoride (mg/L)	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)	0.4	0.2 (BDL)	0.2 (BDL)	0.2 (BDL)
28	Total Coliform (MPN/100ml)	2600	2600	1100	32000	2700	2200	910
29	Fecal Coliform (MPN/100ml)	1400	1200	910	17000	1700	1200	400
30	Fecal Streptococci (MPN/100ml)	1.8 (BDL)	1.8 (BDL)	1.8 (BDL)	4	1.8 (BDL)	1.8 (BDL)	1.8 (BDL)
31	Sodium Percentage (%)	45.3	55.5	57.3	65.5	54.7	65.3	49.6
32	SAR	1.0	1.5	1.4	6.0	1.6	2.0	1.1

## 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**

<b>S. No.</b>	<b>Activity to be monitored</b>	<b>Timeline</b>	<b>Submission of progress by State/UT- Compliance status</b>
1	Ensure 100% treatment of sewage at least in-situ remediation		NA
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured		NA
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning		NA
5	Chief Secretaries may set up appropriate monitoring mechanism at state level <ul style="list-style-type: none"><li>• Specifying accountability of nodal authorities not below the Secretary level</li><li>• Chief Secretaries may have an accountable person attached in their office for this purpose</li></ul>		NA
	<ul style="list-style-type: none"><li>• Monitoring at State level must take place</li></ul>		NA
6	Progress report may be furnished by the State/UTs to <ul style="list-style-type: none"><li>• Secretary, Ministry of Jal Shakti</li><li>• Member Secretary, CPCB</li></ul>		NA
6.	Progress Report may be comprised of details along with		

1	<p>completion timelines on:</p> <p>(I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment.</p> <p>(II) <u>Status of STPs, I&amp;D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(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</p> <p>(iv) <u>Status of Solid Waste Management &amp; Details of Processing Facilities</u>  Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;</p> <p>(vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including</p>		<p>NO STP</p> <p>NO CEPT AND ETP</p> <p>PLASTIC WASTE IS COLLECTED BY HARITHAKARMA SENA</p>
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	<p>waste generated from hotels, Ashrams, etc.</p> <p>(vii)Ground water regulation</p> <p>(viii) Adopting good irrigation practices</p> <p>(ix) Protection and management of food plain Zones (FPZ)</p> <p>(x) Rain water harvesting</p> <p>(xi)Maintaining minimum Environmental flow of river</p> <p>(xii) Plantation on both sides of the river</p> <p>(xiii)Setting up biodiversity parks on flood plains by removing encroachment</p>		
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**ACTION PLAN FOR RIVER PAMBA, KERALA**

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of March 2025	Progress in the month of April 2025	Progress in the month of May 2025	% works completed	Details of works remaining
A(a)	No industries	-	-	-	-		-	-
A(a)	Monitorng of river water	Kerala State	Continuing					

	quality	Pollution Control Board	project					
C(ii)	Establishment of decentralized solid waste treatment facility	Mannar Panchayat, Kadapra/ Niranam Panchayath	31.03.2021	THUMBOORMOOZH I MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND	THUMBOORMOOZH I MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND	THUMBOORMOOZH I MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND		
C	Establishment of Material Collection Facility	Mannar Panchayat, Kadapra/ Niranam Panchayath	31.03.2021	Electrification-sent to TS	TS APPROVED FOR ELECTRIFICATION	ELECTRIFICATION TENDER PROCESS GOING ON		
C	Resource Recovery Facility	Mannar Panchayat, Kadapra/ Niranam Panchayath	31.03.2021	NA	NA	NA		
C	Installing household and community level solid waste management units	Mannar Panchayat	31.03.2021	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION	PLASTIC WASTE COLLECTION		
C	Door to door collection and transportation of municipal solid waste	Mannar Panchayat	31.03.2021	75.5	78.85%	75.74%	-	24.26
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					

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						All house hold toilets have individual septic tank.no outlets to pamba river
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	Regualting activites 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)	Green Protocol	Mannar,	31.05.2020	100%	100%	100%	-	-	

(ii)	implementation in all Offices institution & Public function	Kadapra/ Niranam Panchayat						
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 WASTE IS COLLECTED BY HARITHAKARMASENA	PLASTIC WASTE IS COLLECTED BY HARITHAKARMASENA	PLASTIC WASTE IS 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 March 2025	Progress in the month of April 2025	Progress in the month of May 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 water 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					

**Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (MAY-2025)**

Sl.No	Name of Drain	Parameters														
		pH			Electrical Conductivity( $\mu$ S/cm)			BOD(mg/l)			TC(Nos/100ml)			FC		
	Months	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY
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	NIL	NIL	7.1	NIL	NIL	71.28	NIL	NIL	1.65	NIL	NIL	1000	NIL	NIL	600
4	KaruvelilThodu	6.97	7.85	7.6	71.32	45.41	45.2	0.96	1.632	1.92	6000	4000	3600	4800	2500	1600
5	Nochithodu	6.93	7.53	7.5	82.05	43.64	48.96	0.36	2.59	1.344	6200	4200	3400	1000	2200	1200
6	Pattaparambil Thodu	6.79	7.06	7.53	304	80.58	59.12	0.033	0.27	2.688	5200	800	2200	2400	300	1200
7	Kappiyarissery Thodu	6.5	6.86	7.41	136.8	79.38	53.5	1.033	1.362	1.824	3800	2900	1500	3000	1500	800
8	Kombankery Thodu	6.65	7.22	7.5	895.5	45.01	49.38	1.1	1.968	2.592	2400	2500	1000	1600	1600	500
9	Perackalthodu	6.53	7.53	7.63	3159	52.77	62.27	0.3	1.728	3.648	800	3000	2300	200	1500	1600
10	Erathodu	7.31	7.83	7.41	58.47	56.16	50.5	0.23	1.248	0.96	3800	2600	800	2400	1200	200
11	Kolarayaru	6.76	7.88	7.22	493.6	45.5	48.96	0.36	1.152	1.152	2800	2500	1000	1480	1000	300

## 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 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 <ul style="list-style-type: none"> <li>• Specifying accountability of nodal authorities not below the Secretary level</li> <li>• Chief Secretaries may have an accountable person attached in their office for this purpose</li> </ul>	22.01.2020	No industry/commercial activity
	<ul style="list-style-type: none"> <li>• Monitoring at State level must take place</li> </ul>	22.01.2020	NIL
6	Progress report may be furnished by the State/UTs to <ul style="list-style-type: none"> <li>• Secretary, Ministry of Jal Shakti</li> <li>• Member Secretary, CPCB</li> </ul>	22.01.2020 Fortnightly commencing	NIL
6.1	Progress Report may be comprised of details along with completion timelines on:	21.12.2019	Drains contributing to river

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

(vii)Ground water regulation		be initiated.
(viii) Adopting good irrigation practices		Action will be initiated.
(ix) Protection and management of food plain Zones (FPZ)		Action will be initiated.
(x) Rain water harvesting		Action will be initiated.
(xi)Maintaining minimum Environmental flow of river		Action will be initiated.
(xii) Plantation on both sides of the river		Action will be initiated.
(xiii)Setting up biodiversity parks on flood plains by removing encroachment		

**ACTION PLAN FOR RIVER PAMBA, KERALA**

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of Mar2025	Progress in the month of Apr 2025	Progress in the month of May 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 initiated
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
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### 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 Mar2025	Progress in the month of Apr 2025	Progress in the month of May 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	NGT order in O.A no.496/2016	31.03.2021					

	no.496/2016 Identification of illegal bore wells in the catchment area.	Identification of illegal bore wells in the catchment area.						
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**ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND  
THONDRA  
MAY - 2025**

<b>SI NO</b>	<b>BOTTLE NO.</b>	<b>Name of Drains</b>	<b>PH</b>	<b>BOD</b>	<b>TC</b>	<b>FC</b>
1	TK1	Panayampalathodu	7.5	1.92	3500	1200
2	TK2	PadathupalamThodu	NIL	NIL	NIL	NIL
3	TK3	Thottappuzha	7.62	1.344	6500	3700
4	TK4	Kuttapuzha under Kattodubridge	7.71	2.304	2000	900
5	TK5	Kadavumbara	7.82	2.688	1500	700
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	8.16	2.112	2600	1000
8	TK8	Komalamthodu	7.92	0.576	2400	900
9	TK9	Vennikulam Valiyathodu	8.11	1.92	1800	600
10	TK10	Paduthodu	8.03	2.88	5400	2200
11	TK11	Mallappally Valiyathodu	7.98	3.072	3800	1800

WATER QUALITY DATA OF POLLUTED RIVER STRETCHES MAY-2025

DISTRICT OFFICE, PATHANAMTHITTA

Date of Sampling: 3.05.2025

Sl. No	PARAMETERS	THAKZHIY	EDATHUA	MANNAR
1	Temperature, C	28	28	27
2	pH	6.5	6.5	6.5
3	Conductivity, $\mu\text{mhos/cm}$	169	110	78
4	Turbidity, NTU	1.2	1.3	1.3
5	Phenolphthalein Alkalinity, as $\text{CaCO}_3$	Nil	Nil	Nil
6	Total Alkalinity, as $\text{CaCO}_3$	24	22	22
7*	Chloride, $\text{mg/l}$	35	16	12
8	COD, $\text{mg/l}$	5.8	5.8	5
9	TkN, $\text{mg/l}$	NIL	NIL	NIL
10	Ammoniacal-N, $\text{mg/l}$	BDL	BDL	BDL
11	Hardness, as $\text{CaCO}_3$ , $\text{mg/l}$	16	24	15
12	Calcium, as $\text{CaCO}_3$ , $\text{mg/l}$	10	14	8
13	Magnesium as $\text{CaCO}_3$ , $\text{mg/l}$	6	10	7
14	Sulphate, $\text{mg/l}$	7.8	6.8	5.2
15	Sodium, $\text{mg/l}$	18.6	8.3	8.1
16	Total Dissolved Solids, $\text{mg/l}$	101	61	60
17	Total Fixed Solids, $\text{mg/l}$	42	38	34
18	Total Suspended Solids, $\text{mg/l}$	58	52	46
19	Phosphate, $\text{mg/l}$	BDL	BDL	BDL
20	Boron, $\text{mg/l}$	BDL	BDL	BDL
21	Potassium, $\text{mg/l}$	9.3	2.5	3.1
22	BOD, $\text{mg/l}$	1.7	2.14	0.93
23	Fluoride, $\text{mg/l}$	BDL	BDL	BDL
24	Dissolved Oxygen, $\text{mg/l}$	4.7	4.87	5.2
25	Nitrate-N, $\text{mg/l}$	1.5	1.4	1.2
26	Total Coliform, CFU/100 ml	2733	6666	4500
27	Faecal Coliform, CFU/100 ml	2266	2400	606
28	SAR	2	0.7	0.9
29	% of sodium	59.2	39.9	49.2
30	Faecal Strepto Coccus, CFU/100 ml	Nil	Nil	Nil

  
11/6/25

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**MONTHLY ANALYSIS REPORT OF POLLUTED RIVER  
STRETCHES MAY-2025  
STATION: MANNAR**

Sampling Date: 3.05.2025

Sl. No	PARAMETERS	ITTINAYARKKADAVU BRIDGE KUTTAMPEROOR	KOTTAKAL KADAVU BRIDGE KORATTIKADAVU	PARUMALA BRIDGE	MANNAR BRIDGE
1	Temp. (°C)	28	28	28	27
2	pH	6.8	7.3	6.8	6.5
3	Conductivity (µS/cm)	148	186	64.3	78
4	DO (mg/L)	4.9	4.4	4.47	5.2
5	BOD (mg/L)	1.9	1.4	1.6	0.93
6	COD (mg/L)	3.1	2.5	2.4	2.2
7	TDS (mg/L)	82	103	35.39	43
8	TC (CFU/100ml)	2500	102	115	4200
9	FC (CFU/100ml)	1800	49	62	666
10	FSC (CFU/100ml)	NIL	Nil	Nil	Nil

  
 11/6/25  
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**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 PERIYAR. ERNAKULAM**

<b>S. No.</b>	<b>Activity to be monitored</b>	<b>Timeline</b>	<b>Submission of progress by State/UT-Compliance status</b>
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		
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 <ul style="list-style-type: none"><li>● Specifying accountability of nodal authorities not below the Secretary level</li><li>● Chief Secretaries may have an accountable person attached in their office for this purpose</li></ul>		
	<ul style="list-style-type: none"><li>● Monitoring at State level must take place</li></ul>		
6	Progress report may be furnished by the State/UTs to <ul style="list-style-type: none"><li>● Secretary, Ministry of Jal Shakti</li><li>● Member Secretary, CPCB</li></ul>		

6.1	<p>Progress Report may be comprised of details along with completion timelines on:</p> <p>(I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment.</p> <p>(II) <u>Status of STPs, I&amp;D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(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</p> <p>(iv) <u>Status of Solid Waste Management &amp; Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;</p> <p>vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc.</p> <p>(vii) Ground water regulation</p> <p>(viii) Adopting good irrigation practices</p> <p>(ix) Protection and management of food plain Zones (FPZ)</p> <p>(x) Rain water harvesting</p> <p>(xi) Maintaining minimum Environmental flow of river</p> <p>(xii) Plantation on both sides of the river</p> <p>(xiii) Setting up biodiversity parks on flood plains by removing encroachment</p>		
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ACTION PLAN FOR RIVER PERIYAR, KERALA

SHORT TERM MEASURES

No. (as per tion Plan)	Activity	Implementing agency	Timeline	Progress in the month Of March 2025	Progress in the month Of April 2025	Progress in the month Of May 2025	% works complete d	Details of works remaining
(b)	Augmentation and Revamping of existing STP at near Adwaita Ashramam and to increase the capacity of STP so as to treat more sewage generated in the municipality	Aluva Municipality	Dec 2019	The committee observed that there was no time-bound progress in the renovation of STP at Advaita Ashram. The entire mechanical machinery of STP needs to be replaced in connection with the renovation. Estimate has been recast. CEE OD Sanction needs to be given. Electrical work and civil work are almost completed. Steps will be taken to obtain the consent of STP from PCB	The entire mechanical machinery of STP needs to be replaced. Estimate has been reset.. Electrical work, civil work is almost complete. The work needs to be retendered. Steps are being taken to get PCB's consent for STP.	The entire mechanical machinery of STP needs to be replaced. Estimate has been reset.. Electrical work, civil work is almost complete. The work needs to be retendered. Steps are being taken to get PCB's consent for STP.		
(b)	Augmentation and Revamping of existing STP at Aluva Market and to increase the	Aluva Municipality	2021	PMSSY has received administrative approval of Rs 48 crore for the reconstruction of Aluva General Market and DPR has been prepared. The reconstruction of the market also includes a high-capacity ETP. Since the high-capacity ETP is being established,	PMSSY has received administrative approval of Rs 48 crore for the reconstruction of Aluva General Market and DPR has been prepared. The reconstruction of the market also includes a high-capacity ETP. Since the high-capacity ETP is being established,	PMSSY has received administrative approval of Rs 48 crore for the reconstruction of Aluva General Market and DPR has been prepared. The reconstruction of the market also includes a high-capacity ETP. Since the high-capacity ETP is being established,		

	capacity of STP so as to treat more sewage generated in the municipality			the proposal for a low-capacity ETP proposed only for the fish market will be discarded. submitted an application for Consent to Establish, - for the construction work of the market. The work will be completed within a year.	the proposal for a low-capacity ETP proposed only for the fish market will be discarded. submitted an application for Consent to Establish, - for the construction work of the market. The work will be completed within a year.	the proposal for a low-capacity ETP proposed only for the fish market will be discarded. submitted an application for Consent to Establish, - for the construction work of the market. The work will be completed within a year.		
(b)	Discharge of sewage from township to the River through drain near Periyar Hotel shall be stopped.	Aluva Municipality	2020	A special squad has been formed for inspection. The outlets coming into the streams and Periyar are being inspected and fines are being collected.	A special squad has been formed for inspection. The outlets coming into the streams and Periyar are being inspected and fines are being collected.	A special squad has been formed for inspection. The outlets coming into the streams and Periyar are being inspected and fines are being collected.		
(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain and to collect fine based on polluter pay principle	Aluva Municipality, KSPCB	2020	A special squad has been formed for inspection. Inspections are being conducted at the outlets leading to the forests, streams and Periyar and fines are being collected.	A special squad has been formed for inspection. Inspections are being conducted at the outlets leading to the forests, streams and Periyar and fines are being collected.	A special squad has been formed for inspection. Inspections are being conducted at the outlets leading to the forests, streams and Periyar and fines are being collected.		

(a)(iv)	Periodical inspection in the Industries, Flats, hotels monitoring of STP,ETP	KSPCB	Periodical	ONGOING	ONGOING	ONGOING		
(ii)	Installation of modern abattoirs	Aluva Municipality	March 2021	the DPR Letter of Intent for inviting the construction and preparation of a modern slaughterhouse has been approved by the Council on 12.07.2024 and further steps are being taken. This is included in the DPR for the new general market.	It was reported that the DPR for inviting bids for construction and preparation of a modern slaughterhouse has been approved by the Council on 12.07.2024 and further steps are being taken. This is included in the DPR for the new general market. The PCB informed that ICE application has to be submitted for the construction of the slaughterhouse. Since a house is located at a distance of 7.5 m, approval has not been received from the Town Planning Department. Approval has to be obtained directly from the government in this regard.	It was reported that the DPR for inviting bids for construction and preparation of a modern slaughterhouse has been approved by the Council on 12.07.2024 and further steps are being taken. This is included in the DPR for the new general market. The PCB informed that ICE application has to be submitted for the construction of the slaughterhouse. Since a house is located at a distance of 7.5 m, approval has not been received from the Town Planning Department. Approval has to be obtained directly from the government in this regard.		
(b)	Procurement of sewer cleaning machines and equipment maintenance	Aluva Municipality	March 2020	The clearing operations of the drain are being carried out every day. JCB, Hitachi etc. are being used on an annual contract basis. Equipment for clearing the drains has been purchased.	The clearing operations of the drains are being carried out every day. JCB, Hitachi etc. are being used on an annual contract basis. Equipment for clearing the drains has been purchased.	The clearing operations of the drains are being carried out every day. JCB, Hitachi etc. are being used on an annual contract basis. Equipment for clearing the drains has been purchased.	100	
	Installation of cameras at the waste dumping spots	Aluva Municipality	2020	As part of monitoring dumping sites (places where waste is dumped), 66 cameras have been installed. All are functional. Rs. 15 lakh has been allocated for installing new cameras.	As part of monitoring dumping sites (places where waste is dumped), 66 cameras have been installed. All are working. Rs. 15 lakh has been allocated for installing new cameras.	As part of monitoring dumping sites (places where waste is dumped), 66 cameras have been installed. All are working. Rs. 15 lakh has been allocated for installing new cameras.		

				They will be installed this financial year. Details of fines levied Septage Discharge: Rs.25,000/- Illegal Outlet: 3.4 lakh Illegal Dumping: 1.6 lakh Single use Plastic: Rs.60,000/-	They will be installed in this financial year. Details of fines, which were collected in 2025 Illegal Outlet: 60000/- Illegal Dumping: 10000/- Single use Plastic: Rs.10,000/-	They will be installed in this financial year. Details of fines, which were collected in 2025 Illegal Outlet: 60000/- Illegal Dumping: 10000/- Single use Plastic: Rs.10,000/-		
(b)	Construction of retaining wall with HDPE liner at Kalamassery dumping yard in order to prevent the leachate discharge from the yard to Thoombungal Thodu	Kalamassery Municipality	Sept 2019	The construction of the dumping yard retaining wall has been completed. The construction of the compound wall has been completed. The STP will be installed immediately after the biomining. The biomining has started, completed 45 %	The construction of the dumping yard retaining wall has been completed. The construction of the compound wall has been completed. The STP will be installed immediately after the biomining. The biomining has started, completed 45 %	The construction of the dumping yard retaining wall has been completed. The construction of the compound wall has been completed. The STP will be installed immediately after the biomining. The biomining has started, completed 45 %	100%	
(ii)	Installation of plastic shredding unit	Kalamassery Municipality	June 2019	A plant has been set up and is functioning. The scraps are being transported by CKCL. It was informed that this is being transported to the Palakkad cement factory.	A plant has been set up and is functioning. The scraps are being transported by CKCL. It was informed that this is being transported to the Palakkad cement factory.	A plant has been set up and is functioning. The scraps are being transported by CKCL. It was informed that this is being transported to the Palakkad cement factory.	100%	
(a)(iv)	Constitution of squads for night surveillance for finding the unauthorized dumping of sewage at NAD	Kalamassery Municipality, Police department	2020	A squad has been formed and is constantly monitoring. Those who dump waste are being identified using the cameras available to the municipality. It is not possible to install cameras on NAD roads as NAD has control over them.	A squad has been formed and is constantly monitoring. Those who dump waste are being identified using the cameras available to the municipality. It is not possible to install cameras on NAD roads as NAD has control over them.	A squad has been formed and is constantly monitoring. Those who dump waste are being identified using the cameras available to the municipality. It is not possible to install cameras on NAD roads as NAD has control over them.	N/A	

	wetlands Kalamassery							
(b)	Installation of common STP for Kalamassery Municipality and ETP at Municipal Market. Obtain a consent from Pollution Control Board	Kalamassery Municipality	December 2019	The existing ETP is functioning in the market. During the market renovation, the ETP will be demolished and a new one will be constructed. A detailed report will be submitted. After completion of biomining, an STP will be established at the site of the existing dumping yard. The proposal for the new STP has been sent to the DPC.	The work of renovating the existing ETP in the market has not started. The works will be completed within 2 months of renovating the market and after completing the biomining, the STP will be installed at the site of the existing dumping yard. The proposal for 2 new STPs has been sent to the DPC. The work of renovating the market is 80% complete.	The work of renovating the existing ETP in the market has not started. The works will be completed within 2 months of renovating the market and after completing the biomining, the STP will be installed at the site of the existing dumping yard. The proposal for 2 new STPs has been sent to the DPC. The work of renovating the market is 80% complete.	N A	
(a)(iv)	Monitoring and surveillance of industries in Kalamassery Industrial Estate in order to prevent unauthorized discharges to Muttar River	KSPCB	2019					
(ii)	Installation of modern abattoirs including poultry and meat rendering plants.	Kalamassery Municipality, Industries Department (for land allotment)	2021	There is no progress due to the lack of space.	There is no progress due to the lack of space.	There is no progress due to the lack of space.	N A	

(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Kalamassery Municipality	2020	Fines have been collected as part of the dumping waste and discharging sewage.  Waste dumping fine :  February- Rs. 110,000/-  March - Rs 101,500/-	Fines have been collected as part of the dumping waste and discharging sewage.  Waste dumping fine :  February- Rs. 110,000/-  March - Rs 101,500/-	Fines have been collected as part of the dumping waste and discharging sewage.  Waste dumping fine :  February- Rs. 110,000/-  March - Rs 101,500/-	N A	
	Installation of cameras at the waste dumping spots	Kalamassery Municipality	2020	84 cameras have been installed, 2 each in 42 wards. Work is underway to get visuals. internet connection has not been received.	84 cameras have been installed, 2 each in 42 wards. Work is underway to get visuals. internet connection has not been received.	84 cameras have been installed, 2 each in 42 wards. Work is underway to get visuals. internet connection has not been received.		
(b)	Identification of sources of sewage discharged to drain near Pathalam bridge and action to stop the discharge which reach river Periyar from hotels, labor camps etc In case the quantity of sewage generated is assessed to be	Eloor Municipality, KSPCB (for monitoring)	2020	Inspections are being conducted from time to time. Arrangements have been made to drain the sewage discharged from shopping complexes, shops, etc. into the soak pit and the problem has been resolved.   A notice has been issued to 4 institutions to construct soak pits after inspecting the sewage from the places where migrant workers live and catering units near the bridge. A meeting will be called to ensure that the catering units have PCB licenses.	Inspections are being conducted from time to time. Arrangements have been made to drain the sewage discharged from shopping complexes, shops, etc. into the soak pit. The problem has been resolved.  The sewage from the places where foreign workers live near the bridge and from catering units has been inspected and notices have been issued to 4 institutions to construct soak pits. A meeting will be called to ensure that the catering units have PCB licenses. Action will be taken against the hotel institutions that have caused sewage to reach the Kuzhikandam stream.	Inspections are being conducted from time to time. Arrangements have been made to drain the sewage discharged from shopping complexes, shops, etc. into the soak pit. The problem has been resolved.  The sewage from the places where foreign workers live near the bridge and from catering units has been inspected and notices have been issued to 4 institutions to construct soak pits. A meeting will be called to ensure that the catering units have PCB licenses. Action will be taken against the hotel institutions that have caused sewage to reach the Kuzhikandam stream.		

	more STP need to be installed							
	Installation of cameras at the waste dumping spots	Eloor Municipality	2020	84 cameras have been installed. All are working. Fines are being collected.	84 cameras have been installed. All are working. Fines are being collected.	84 cameras have been installed. All are working. Fines are being collected.		
(a)(iv)	Periodical inspection in the Industries, Flats, hotels for monitoring of STP,ETP located in Cochin corporation	KSPCB	periodical					
(a)	Inventory of sources of pollution through a rapid study/Study for identification of pollution sources at Edapally thodu	Kochi Municipal Corporation	3 months	A squad has been formed with Engineering & Health to find the sources of sewage discharge. 4 squads are conducting regular inspections. Desilting and water hyacinth removal work is underway. Night squad is conducting inspections. A special squad regarding septage is conducting inspections. Fine details collected A fine of Rs. 5.54 lakhs was collected from 30/11/2024 to 15/01/2025.	A squad has been formed with Engineering & Health to find the sources of sewage discharge. 4 squads are conducting regular inspections. Desilting and water hyacinth removal work is underway. Night squad is conducting inspections. A special squad regarding septage is conducting inspections. Fine collected details  From 01/03/2025 to 31/03/2025, a total of Rs. 6,25696/- fine was collected.	A squad has been formed with Engineering & Health to find the sources of sewage discharge. 4 squads are conducting regular inspections. Desilting and water hyacinth removal work is underway. Night squad is conducting inspections. A special squad regarding septage is conducting inspections. Fine collected details  From 01/03/2025 to 31/03/2025, a total of Rs. 6,25696/- fine was collected.		

	issuing notice to the defaulters	Kochi Municipal Corporation	4 months	Notices have been sent to 5 institutions regarding the discharge of sewage. A thorough inspection is being carried out in the institutions near the river. A total of 23 notices have been sent in the month of March. All of them have been rectified.	Notices have been sent to 5 institutions regarding the discharge of sewage. A thorough inspection is being carried out in the institutions near the river. A total of 23 notices have been sent in the month of March. All of them have been rectified.	Notices have been sent to 5 institutions regarding the discharge of sewage. A thorough inspection is being carried out in the institutions near the river. A total of 23 notices have been sent in the month of March. All of them have been rectified.		
(a)(iv)	Periodical inspection in the flats, hotels, shops located along the river	Kochi Municipal Corporation	periodical	Notices have been sent to 5 establishments for discharging sewage. Regular inspections are being conducted at establishments near the river. 317 bottle booths have been set up.	Notices have been sent to 5 institutions regarding the discharge of sewage. A thorough inspection is being carried out in the institutions near the river. A total of 23 notices have been sent in the month of March. All of them have been rectified.	Notices have been sent to 5 institutions regarding the discharge of sewage. A thorough inspection is being carried out in the institutions near the river. A total of 23 notices have been sent in the month of March. All of them have been rectified.		
(b)	Identification of natural drains/thodu reaching river Periyar and cleaning of weeds, grasses etc	Irrigation department	2 years	<u>Minor Irrigation.</u> 23 canals have been cleaned in Eloor Municipality (2023-2024). This was a project of 2 crores. There are 40 canals in Karumallur, Kunnukara, Alangad, Kadungallur gram panchayats for desilting. Out of which 8 have been completed. (Agreement was made in 2023, done in 2024) The works of Valiyachal canal have been completed. <u>Major Irrigation</u> Eerezhachal Punchathodu site has been handed over. As there are complaints from the residents regarding encroachment, a letter has been sent to the Assistant Executive Engineer, Paravur Tehsildar for	<u>Minor Irrigation.</u> 23 canals have been cleaned in Eloor Municipality (2023-2024). This was a project of 2 crores. There are 40 canals in Karumallur, Kunnukara, Alangad, Kadungallur gram panchayats for desilting. Out of which 8 have been completed. (Agreement was made in 2023, done in 2024) The works of Valiyachal canal have been completed. <u>Major Irrigation</u> Eerezhachal Punchathodu site has been handed over. As there are complaints from the residents regarding encroachment, a letter has been sent to the Assistant Executive Engineer, Paravur Tehsildar for	<u>Minor Irrigation.</u> 23 canals have been cleaned in Eloor Municipality (2023-2024). This was a project of 2 crores. There are 40 canals in Karumallur, Kunnukara, Alangad, Kadungallur gram panchayats for desilting. Out of which 8 have been completed. (Agreement was made in 2023, done in 2024) The works of Valiyachal canal have been completed. <u>Major Irrigation</u> Eerezhachal Punchathodu site has been handed over. As there are complaints from the residents regarding encroachment, a letter has been sent to the Assistant Executive Engineer, Paravur Tehsildar for		

				<p>boundary demarcation. 1. Kuthuthodu (IRR/IA/EST/8495/2022-5-8-7) Rs. 74.40 lakh 2. Emadhodu (IRR/IA/EST/8495/2022-5-11-10) Rs. 9/- lakh These works have not been sanctioned. Report submitted to CEE on 17/02/2024.</p>	<p>boundary demarcation. 1. Kuthuthodu (IRR/IA/EST/8495/2022-5-8-7) Rs. 74.40 lakh 2. Emadhodu (IRR/IA/EST/8495/2022-5-11-10) Rs. 9/- lakh These works have not been sanctioned. Report submitted to CEE on 17/02/2024.</p>	<p>boundary demarcation. 1. Kuthuthodu (IRR/IA/EST/8495/2022-5-8-7) Rs. 74.40 lakh 2. Emadhodu (IRR/IA/EST/8495/2022-5-11-10) Rs. 9/- lakh These works have not been sanctioned. Report submitted to CEE on 17/02/2024.</p>		
(iii)	Clearing of weeds, grasses at the river bank in order to ensure the smooth flow of water	Irrigation department	3 years	<p>Almost all the works have been completed in the 2024-2025 operation vessel. The work of removing the silt that was obstructing the water sampling in the upstream &amp; downstream part of Patalam RCB has been completed (5 lakhs). The smooth flow of the river has been restored.</p>	<p>Almost all the works have been completed in the 2024-2025 operation vessel. The work of removing the silt that was obstructing the water sampling in the upstream &amp; downstream part of Patalam RCB has been completed (5 lakhs). The smooth flow of the river has been restored.</p>	<p>Almost all the works have been completed in the 2024-2025 operation vessel. The work of removing the silt that was obstructing the water sampling in the upstream &amp; downstream part of Patalam RCB has been completed (5 lakhs). The smooth flow of the river has been restored.</p>		
(a)	Maintaining of Minimum flow in river during lean period and periodical operation of Regulators at River in-order to maintain minimum flow.	Irrigation department	3 years	<p>The shutters are being opened and operated at regular intervals. The protocol for operating the shutters has been prepared and sent to CEE. It has not been approved.</p>	<p>The shutters are being opened and operated at regular intervals. The protocol for operating the shutters has been prepared and sent to CEE. It has not been approved.</p>	<p>The shutters are being opened and operated at regular intervals. The protocol for operating the shutters has been prepared and sent to CEE. It has not been approved.</p>		
(b)	Common Effluent Treatment Plant	Industries department	2022	<p>Based on the minutes of the Environment-Chief Secretary's monthly review meeting with</p>	<p>Based on the minutes of the Environment-Chief Secretary's monthly review meeting with</p>	<p>Based on the minutes of the Environment-Chief Secretary's monthly review meeting with</p>		

	at Edayar Industrial Estate			RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."	RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."	RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."		
(b)	Construction of internal roads and proper drainage in Edayar industrial estate	Industries department		Road drainage works worth Rs. 9.47 crore have been completed in the Edayar Industrial Area under the MSE CDP project. In addition, out of the Rs. 34 lakh allocated to the Public Works Department for drainage works in the Edayar Industrial Area, 48% of the drainage construction has been completed. Out of the Rs. 6.20 crore allocated to the Public Works Department for maintenance and repair of internal roads, the work of 3 roads namely Sevana 100, Sherin High Fab Road and Malaya Rub Road has been completed. Work has started on 3 of them. Road work is progressing. The drainage work adjacent to Sunrise TSR is 90% complete. It will be completed by the end of February.	Road drainage works worth Rs. 9.47 crore have been completed in the Edayar Industrial Area under the MSE CDP project. In addition, 48% of the drainage works out of the Rs. 34 lakh allocated to the Public Works Department for the drainage works in the Edayar Industrial Area have been completed. All the works related to the maintenance and repair of the internal road have been completed. Joint inspection in collaboration with PCB and PWD conducted. Detailed sketch of the industrial estate was given to the concerned department for doing required rectification in drainage works.	Road drainage works worth Rs. 9.47 crore have been completed in the Edayar Industrial Area under the MSE CDP project. In addition, 48% of the drainage works out of the Rs. 34 lakh allocated to the Public Works Department for the drainage works in the Edayar Industrial Area have been completed. All the works related to the maintenance and repair of the internal road have been completed. Joint inspection in collaboration with PCB and PWD conducted. Detailed sketch of the industrial estate was given to the concerned department for doing required rectification in drainage works.		
(b)	Installation of common discharge pipe	Industries department, Irrigation department	3 years	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with		

	line at downstream of Pathalam Regulator Bridge			RRC/ Stake holder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."	RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."	RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."		
	Installation of Night vision surveillance cameras at the River Bank side	KSPCB	2020	Surveillance cameras and related equipment have been installed.	Surveillance cameras and related equipment have been installed.	Surveillance cameras and related equipment have been installed.	1 0 0	
(a)(iv)	Periodical Monitoring of Eloor, Edayar, Kalamassery Industrial belts	KSPCB	2020	Inspections are being conducted and nighttime surveillance is being conducted continuously with the involvement of more staff.	Inspections are being conducted and nighttime surveillance is being conducted continuously with the involvement of more staff.	Inspections are being conducted and nighttime surveillance is being conducted continuously with the involvement of more staff.	1 0 0	
(a)(iv)	Monitoring of quality of water at various intake point	Kerala Water Authority	2020					
(a)(iv)	Installation of additional continuous online River water monitoring station	KSPCB	2022	A water monitoring station has been installed at the top of the bund. Tender processes are in progress for the installation of a station at the bottom of the bund.	A water monitoring station has been installed at the top of the bund. Tender processes are in progress for the installation of a station at the bottom of the bund.	A water monitoring station has been installed at the top of the bund. Tender processes are in progress for the installation of a station at the bottom of the bund.	1 0 0	

(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Kadungallur Panchayath	2020	Fines are being levied on establishments that dump sewage. It was suggested that an inspection be conducted to see if there are any establishments that dump waste into the Onjithottu.	Fines are being levied on establishments that dump sewage. It was suggested that an inspection be conducted to see if there are any establishments that dump waste into the Onjithottu.	Fines are being levied on establishments that dump sewage. It was suggested that an inspection be conducted to see if there are any establishments that dump waste into the Onjithottu.	50%	
	Installation of cameras at the waste dumping spots	Kadungallur Panchayath	2020	A Rs 15 lakh project to install 33 cameras at 28 locations is underway. The cameras have been installed. Cable connection needs to be provided.	A Rs 15 lakh project to install 33 cameras at 28 locations is underway. The cameras have been installed. Cable connection needs to be provided.	A Rs 15 lakh project to install 33 cameras at 28 locations is underway. The cameras have been installed. Cable connection needs to be provided.	50%	
(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Choornikkara Panchayath	2020	Inspection is being conducted.  Waste dumping fine:- December - Rs. 33,000/-	Inspection is being conducted. Waste dumping fine:- January - 1,1000/- February- 7000/- March- 25,000/-	Inspection is being conducted. Waste dumping fine:- January - 1,1000/- February- 7000/- March- 25,000/-		
	Installation of cameras at the waste dumping spots	Choornikkara Panchayath	2020	53 cameras have been installed. 13 more will be installed by KMRL CSR. sent for government approval.	53 cameras have been installed. 13 more will be installed by KMRL CSR. sent for government approval.	53 cameras have been installed. 13 more will be installed by KMRL CSR. sent for government approval.		

#### LONG TERM MEASURES

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of March 2025	Progress in the month Of April 2025	Progress in the month Of May 2025	% works completed	Details of works remaining
A(b)	Construction of walkway, ring roads etc at the Periyar River bank at industrial belt.	Irrigation department	4 years	FS has been received for Soil Investigation work. Rs. 92,000/- has been deposited for survey work. Survey process has not started as surveyor has not come.	FS has been received for Soil Investigation work. Rs. 92,000/- has been deposited for survey work. Survey work started on 06/03/2025. 730m has been completed. Design work is also in progress.	FS has been received for Soil Investigation work. Rs. 92,000/- has been deposited for survey work. Survey work started on 06/03/2025. 730m has been completed and another 470m survey work will be completed within a week. Design work is also in progress.		
C(i)	Fencing of the river banks along the stretches of waste disposal (Edamula stretch)	Cochin Municipal Corporation	1-2 years	Fencing works have been included in the budget. Beautification works are being carried out using own funds.	Fencing works have been included in the budget. Beautification works are being carried out using own funds.	Fencing works have been included in the budget. Beautification works are being carried out using own funds.		
C(ii)	Beautification of the river stretches (Edamula stretch)	Cochin Municipal Corporation	1-2 years	Almost everything has been completed. Work is underway to install about 300 cameras.	Almost everything has been completed. Work is underway to install about 300 cameras	Almost everything has been completed. Work is underway to install about 300 cameras		

#### **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 september2024	Progress in the month of october 2024	Progress in the month of november 2024	% 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					

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: VETTUKADAVU**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: PUTHALAM KADAVU**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: PATHALAM BRIDGE**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR - MAY 2025**  
**Sampling point: PATHALAM BUND U/S**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: PATHALAM BUND D/S**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"		
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: MANJUMMAL BUND**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"	20.0	20.0
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

**KERALA STATE POLLUTION CONTROL BOARD**  
**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**  
**ANALYSIS REPORT OF RIVER PERIYAR -MAY 2025**  
**Sampling point: ALUVA - MANAPPURAM**

Sl. No	Parameter	Unit	05.05.2025	25.05.2025
1	Temperature	°c		
2	pH			
3	Conductivity	µS/cm		
4	TDS	NTU		
5	Turbidity	mg/L	*	*
6	Colour	"		
7	SS	"		
8	Chlorides	"		
9	Hardness	"		
10	D.O.	"		
11	COD	"		
12	Calcium	"		
13	Magnesium	"		
14	Ammoniacal Nitrogen	"		
15	Free Ammonia	"		
16	Phosphates			
17	Hexa Chromium	"		
18	Oil & Grease	"		
19	Iron	"		
20	Sulphides	"		
21	Sulphates	"		
22	Total Alkalinity	"		
23	Nitrate	"		
24	BOD	"		
25	TC	"		
26	FC	"		
27	FS	"		
28	Sodium	ppm		
29	Potassium	ppm		
30	SAR	meq/L		

\* TURBIDITY METER IS OUT OF ORDER

# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river parameters reduced from 23 to 12

POLLUTED RIVER STRETCH MONITORING PROGRAM										(MAY 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)	5/5/2025									
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 <sub>2</sub> S		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	20 m <sup>3</sup> /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, °C	29
2	Dissolved Oxygen, mg/l	3.8
3	pH	7.9
4	Conductivity, µmhos/cm	367
5	BOD, mg/l	1.4
6	Nitrate-N, mg/l	2
7	Turbidity, NTU	BDL
8	Phenolphthalein Alkalinity, as CaCO <sub>3</sub> mg/l	BDL
9	Total Alkalinity, as CaCO <sub>3</sub> mg/l	60
10	Chloride, mg/l	50
11	COD, mg/l	5
12	TKN, mg/l	BDL
13	Ammoniacal-N, mg/l	BDL
14	Hardness, as CaCO <sub>3</sub> mg/l	115
15	Calcium, as CaCO <sub>3</sub> mg/l	72
16	Magnesium as CaCO <sub>3</sub> , mg/l	43
17	Sulphate, mg/l	36
18	Calcium (Ca <sup>2+</sup> ), mg/l	28.8
19	Magnesium (Mg <sup>2+</sup> ), mg/l	10.4
20	Sodium, mg/l	29
21	Total Dissolved Solids, mg/l	220
22	Total Fixed Solids, mg/l	140
23	Total Suspended Solids, mg/l	BDL
24	Phosphate, mg/l	0.1
25	Boron, mg/l	BDL
26	Potassium, mg/l	3
27	Fluoride, mg/l	0.1
28	Total Coliform, MPN/100 ml	6000
29	Fecal Coliform, MPN/100 ml	400
30	Fecal streptococci, MPN/100 ml	20
31	% Sodium	34.70
32	SAR	1.18

**POLLUTED RIVER STRETCH MONITORING PROGRAM  
(MAY 2025)**

<b>Station Name</b>		RIVER KORAYAR AT KANJIKODE									
<b>Type of Water body</b>		RIVER									
<b>Completed by</b>		DO, PALAKKAD									
<b>Agency</b>		Kerala State Pollution Control Board									
1	Station Code	2	3	2	6						
2	Date and time of sample taken (DD/MM/YY, HH/MM)	5/5/2025									
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 <sub>2</sub> S		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	20 m <sup>3</sup> /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, °C	30
2	Dissolved Oxygen, mg/l	3.3
3	pH	8.5
4	Conductivity, µmhos/cm	865
5	BOD, mg/l	1.3
6	Nitrate-N, mg/l	1.9
7	Turbidity, NTU	BDL
8	Phenolphthalein Alkalinity, as CaCO <sub>3</sub> mg/l	10
9	Total Alkalinity, as CaCO <sub>3</sub> mg/l	99
10	Chloride, mg/l	148
11	COD, mg/l	5
12	TKN, mg/l	BDL
13	Ammoniacal-N, mg/l	BDL
14	Hardness, as CaCO <sub>3</sub> mg/l	200
15	Calcium, as CaCO <sub>3</sub> mg/l	140
16	Magnesium as CaCO <sub>3</sub> , mg/l	60
17	Sulphate, mg/l	87
18	Calcium (Ca <sup>2+</sup> ), mg/l	56
19	Magnesium (Mg <sup>2+</sup> ), mg/l	14.6
20	Sodium, mg/l	86
21	Total Dissolved Solids, mg/l	490
22	Total Fixed Solids, mg/l	315
23	Total Suspended Solids, mg/l	BDL
24	Phosphate, mg/l	0.14
25	Boron, mg/l	BDL
26	Potassium, mg/l	16
27	Fluoride, mg/l	0.4
28	Total Coliform, MPN/100 ml	5000
29	Fecal Coliform, MPN/100 ml	2000
30	Fecal streptococci, MPN/100 ml	240
31	% Sodium	45.88
32	SAR	2.64

# **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.673/2018 dated 6/12/2018) For**

**the month of MAY 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 <ul style="list-style-type: none"><li>● Specifying accountability of nodal authorities not below the secretary level</li><li>● Chief secretaries may have an accountable Person attached in their office for this purpose</li></ul>		
	<ul style="list-style-type: none"><li>● Monitoring at the state level must take place</li></ul>		

5	<p>Progress report may be furnished by the state/UTs to</p> <ul style="list-style-type: none"> <li>● Secretary,ministry of Jal Shakti</li> <li>● Member secretary,CPCB</li> </ul>		
5.1	<p>Progress report may be comprised of details along with completion timeline on:</p> <p>(i) Identification of polluting source including drains contributing to river pollution and action as per NGT order on in situ treatment.</p> <p>(ii) <u>status of STPs,I&amp;D and sewage networks</u> Details of Existing Infrastructure,Gap Analysis,Proposed along with completion timeline</p> <p>(iii) <u>status of CETPs</u></p> <p>Details of existing CETP and ETP infrastructure,Gap analysis,proposed along with completion timeline,No.of industries and complying status.</p> <p>(iv) <u>status of solid waste management&amp;details of processing facilities</u></p> <p>Details of existing infrastructure,Gap analysis proposed along with completion timeline</p> <p>(v) Latest water quality of polluted river,its tributaries,drains with flow details and ground water quality in the catchment of polluted river;</p> <p>(vi) preventing dumping of waste and scientific waste management including bio-medical waste plastic waste and decentralizing waste processing,including waste</p>		

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

No.	Activity	Implementing agency	Time line	Progress in the month of MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 receiving Council 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		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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 2025	% Works Completed	Details Of Remaining
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuou s process			Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuou s process			Completed	Completed	
3	Cleaning of Mambuzha river	Olavanna Gramapanchayat	Continuou s 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	Continuou s 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 MARCH 2024	Progress in the month of APRIL 2025	Progress in the month of MAY 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 10%			8%	
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 providing 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 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 has 1 observation 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 MARCH 2025	Progress in the month of APRIL 2025	Progress in the month of MAY 2025	% works completed	Details of works remaining
E	Dredging and desilting	Irrigation Department	3 years			Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10%	10%	
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



**KERALA STATE POLLUTION CONTROL BOARD**

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

REGIONAL OFFICE, KOZHIKODE



Phone: 2925-2300744 Mail: pcozkod@kspcb.com Website: kspcb.kerala.gov.in  
3<sup>RD</sup> FLOOR, ZABOOR'S SQUARE, SIVA ROAD, KOZHIKODE - 673 002

CALL CUT  
0106/2025  
Pollution Control Board

**ANALYSIS REPORT OF RIVER WATER**

<b>Report No.</b>	<b>K R O S 5 5 6 4 / 1 to 5</b>	<b>Date:</b>	<b>2 9 0 5 2 0 2 5</b>					
<b>Date of Sample Collection</b>	0 6 0 5 2 0 2 5	<b>Date of receipt of the sample</b>	0 8 0 5 2 0 2 5					
<b>Sampled by:</b>	RL, KKD	<b>Time</b>	Hours: 0 5 : 0 0 PM					
<b>Sampling Method</b>	APHA1060B,a	<b>Sample ID</b>	KL1, KL2, KL3, KL5, & KL6					
<b>Sample container</b>	PC25L	<b>Sample Lab Code</b>	KRDS :5564/1-5					
<b>Source:</b>	KALLAI RIVER WATER	<b>Ref.letter No.</b>	PCBESDPO Polluted River Stock-Stock Vol IV Issue 08 07 2025					
<b>Specific sampling location:</b>	KALLAI POLLUTED RIVER STRETCH	<b>Received from:</b>	EE,DO,KKD					
<b>Sample preservation:</b>	Ice box	<b>Period of analysis:</b>	08.05.2025-27.05.2025					
		<b>No. of samples</b>	5					
		<b>Analysed by:</b>	SNS/NSS/PVH/MT/AKR					
		<b>Method:</b> Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22 <sup>ND</sup> Ed.)						
<b>Sl no</b>	<b>Parameters</b>	<b>unit</b>	<b>Method No.</b>	<b>SAMPLE ID</b>				
				<b>KL 1</b>	<b>KL 2</b>	<b>KL 3</b>	<b>KL 5</b>	<b>KL 6</b>
1	pH	-	APHA 4500-H <sub>+</sub> B	8.02	8.3	8.12	7.55	7.43
2	CONDUCTIVITY	µmhos/cm	APHA 2510B	23700	24100	24400	11000	14000
3	BOD	mg/L	133025 (Part 44)	8	8.13	9.07	10.27	7.07
4	DISSOLVED OXYGEN	mg/L	APHA 4500-D.O.C	4.3	4.5	5.7	5.8	3
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	24000	20000	19000	41000	32000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	13000	13000	14000	29000	21000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230-C	70	30	260	340	390
8	TEMPERATURE	°C	APHA 2550B	30	32	32	34	34

Remarks: LDC-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.

10/6/25  
AE-1/PA

*[Signature]*  
Scientist in charge

**NGT Progress Report for the Month of April 2025**

**Irrigation North Circle, Kozhikode**

Sl.No	Name of River and works	PS Amount and No.	AS Amount and No.	TS Amount and No.	Present status	Remarks
1	2	3	4	5	6	7
<b>KALLAI RIVER</b>						
1	Desilting of Kallai river from Kaduppi to Kozhi in Kozhikode Corporation.		Resolution No.90 dated 15/2/2021, 64 dated 30/12/2021 and 67 dated 27/7/2024 of Kozhikode Municipal Corporation for Rs.1207.704Lakhs	DRKd/2021-2022/2038/4170/IA dated 7/3/2022 of CE I&A for Rs. 790 Lakhs	site hand over on 12/09/2024	Dredging work started.B/S work completed
2	Providing chain linked fencing on both sides of Ibrahim bridge across Ibrahim thode of Kallai river in Kozhikode Corporation.		AS/S9/D/23/33744 dated 04/03/2024 of CE I&A Tm 16.00 Lakhs	IBR/IA/EST.TS/26/2023 S.1.1 dated 29/05/2024 13 Lakhs	DPR Submitted for PS	DPR amounting to 2.52 Lakhs submitted to CE, I&A, Tm vide this office letter No. DS-NGT/1429/2019 Vol. III Dtd.20-07-2023
3	Providing fencing in Mooryad road heritage at Kozhikode Corporation		AS/S9/D/23/33130 dated 07/02/2024 28.3 Lakhs	IBR/IA/EST.TS/09/28/20 22.5, 1.1 dated 24/04/2024 28.3 Lakhs	Work completed	(Work completed 100%)
4	GENERAL: Providing chain linked fencing at Kallai River-both sides of Kozhi Bridge in Kozhikode Corporation, General Civil Work		AS/S9/D/23/33132 dated 07/02/2024 24.6 Lakhs	IBR/IA/EST.TS/09/78/20 22.5, 1.1 dated 11/03/2024 24.2 Lakhs	Work completed	Work completed 100%
<b>KUTTYADU RIVER</b>						
1	Providing chain linked fencing on both sides of Gulikapuzha bridge across Kattiyadu river in Vellam, Panchayathi.		AS/S9/D/23/33132 dated 07/02/2024 24.6 Lakhs	IBR/IA/EST.TS/09/78/20 22.5, 1.1 dated 11/03/2024 24.2 Lakhs	Work completed	Work completed on 8/11/2024

**UPPALA RIVER**

<p>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.</p>			
<p>Typing of net on both sides of the bridge - Rejuvenation work of Uppala river - providing fencing on both sides of Uppala NH bridge in Mangalpuady Gramapanchayath of Kasargod district</p>			
<p><b>Tirur-Ponnani</b></p>			
<p>1. General - NCT-Rejuvenation of polluted rivers - Tirur - Ponnani - General civil work</p>	<p>Rs. 30.10 Lakhs AS No. AS/59D/22/25906 dtd: 29/03/2023 of CE, I&amp;A, Tvm RS. 30.10 Lakhs</p>	<p>Rs. 30.10 Lakhs IR/IA/EST.TS/4907/20 22.5.1.1 dtd: 18/04/2023 of EE, Irrigation Division, Malappuram, 30.10 Lakhs</p>	<p>Work completed bill paid (Rs 2584168/- including GST)</p>
<p>2. R/R- Repair and Rehabilitation of Kootayi Regulator cum bridge across Tirur - Ponnani puzha in Mangalam Gramapanchayath in Malappuram District</p>	<p>Rs. 230 Lakhs, G.O(R) No. 122/2020/P &amp; EA TVM, Dated: 03/03/2020 Rs. 230 Lakhs</p>	<p>Rs. 230 Lakhs, TS No. IDM/jms/2020-2021/2016/2656/IA dated 19/05/2020 of SE, INC, KKD, Rs 230 Lakhs</p>	<p>Cracks on girders and settlement of 4 piers towards right bank has seen in 10/11/2023. So the work can be continued only after addressing the previous issues. So while preparing the estimate based on the study report from KERRI Peechi, the solution for the new issues also has to be finished. Meeting held on 29/11/2023 at the office of CE I&amp;A in the presence of CE IORB 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 recommend remedial solution for the existing issues. KERRI Report/ Director conducted preliminary visit on 23/05/2024. A technical committee has been formed as per GO No. 480/2024/WRO dated 20/06/2024. Technical committee team inspected site on 8.0.2024. 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 cut files submitted by hydrographic survey wing are submitted to CE I &amp; ATVM. Technical Committee meeting conducted on 10/12/24 and 19/01/25. Geo technical experts report received. Revised estimate under preparation as per the direction of technical expert committee. RE will be submitted after PACE Software is updated by 05.08.2025</p>

A PERUMBA RIVER:						
1	Rejuvenation of Perumba River - Providing fencing on both side of Perumba bridge in Parrayanur Municipality.				DPR Submitted for PS	DPR amounting 27.60 lakhs submitted to CE, I&A, Twin side this office letter No. 05-NCT/1429/2019 Vol. III Dtd 20/07/2023 and 19/08/2023
2	Rejuvenation of Perumba River - Maintaining E-Flow Channelization and Desilting of Vannathpuzha at Chamedapurakadavu and Paravoor kadavu in Kadannappalli Panapuzha Panchayath.				DPR Submitted for PS	Estimate prepared as per DSR 2018 and DPR submitted for PS for 15.30 lakhs. The work, Rejuvenation of Perumba River - Maintaining E-Flow is coming under Room for River programme under the Executive Engineer (PA to SE) M Circle Kochikode who was in charge of Perumba river for Maintaining E-Flow in perumba river desilting work were executed at various locations in Kadannappalli Panapuzha Panchayath and Erannai Kuttoor Panchayath.
3	Rejuvenation of Perumba River - Desilting Perumba thodu in Parrayanur Municipality, Parrayanur LA in Kannur District				DPR Submitted for PS	The flow in the perumba thodu is contaminated with the waste from Parrayanur market and its surroundings. If the existing SWEDC was reconstructed and its shutters were closed, the polluted water may get stagnated at the upstream side and serious environmental problems will be created. Hence at present construction of SWEDC is not environmentally feasible. If treatment facility is provided by local self government and only fresh water releases to thodu, the SWEDC can be reconstructed. Hence now only the desilting the thodu is included in the estimate and submitted for PS as per DSR 2018, for an amount of 5.46 lakhs vide this office letter No. 05-NCT/1429/2019 Vol. III Dtd. 20/07/2023 & 19/08/2023. This work comes under the jurisdiction of M Division Kannur.

<p><b>B</b> RAMAPURAM RIVER</p>	<p>Rejuvenation of Ramapuram River-Providing fencing on Ramapuram bridge across Ramapuram river in Madayi Panchayath.</p>	<p>AS/590/23/33743 dated 04/03/2024 19.00 lakhs</p>	<p>AS obtained</p>	<p>AS obtained as per Order No.AS/590/23/33743 dtd 04.03.2024. NOC received from KSTP on 9/1/2025 and TS issued on 7.02.2025 vide order No.DR/DA/EST/TS/1805/2023_S.2.1. Tendering process has been completed.LOA issued on 4.03.2025.Agreement executed. Site handed over on29/03/2025.</p>
<p><b>C</b> KUPPAM RIVER</p>	<p>Providing fencing on Puzhayangadi Bridge across Kuppam River at Puzhayangadi in Madayi Grama Panchayath</p>			<p>DPR amounting 58 lakhs of 'Rejuvenation of Kuppam River - Providing fencing on both sides of Kuppam bridge at Kuppam in Taliparamba Municipality and Puzhayangadi bridge at Puzhayangadi in Madayi Grama Panchayath' has been submitted to CE, I&amp;A, Tvm vide this office letter No. D5-NGT/1429/2019 Vol.III Dtd.20/07/2023. But, vide reference letter No.D3-2416/2022 Vol 1 dated 14/12/2023 of Executive Engineer, Thalassery has reported that on scrutiny of estimate in detail, some corrections are found. Hence the estimate is corrected accordingly and estimate amount enhanced to 69 lakhs. In which Appendix 1 is Providing fencing on Puzhayangadi bridge for which estimated cost is 26 lakhs as per DSR 2018, which is resubmitted as per DSR 2018 including 18% GST for an amount of 34 lakhs. Executive Engineer has reported that during the site visit various utility pipes were seen laid on the handrails hence, fencing can't be laid over the handrails. So the proposed work can't be executed at the site.</p>

2	Providing fencing on Kuppam bridge (NH) across Kuppam river at Thalparamba in Thalparamba Municipality.				<p>Estimate under preparation</p> <p>DPR amounting 58 lakhs of "Rejuvenation of Kuppam River - Providing fencing on both sides of Kuppam bridge at Kuppam in Thalparamba Municipality and Pazhayanigudi bridge at Pazhayanigudi in Madayi Grama Panchayath" has been submitted to CE, KA, Triv vide this office letter No. DS-NGT/1429/2019 Vol. III Dtd. 20/07/2023.</p> <p>Dur. vide reference letter No.D3-2416/2022 Vol 1 dated 14/12/2023 of Executive Engineer, Thassery has reported that on scrutiny of estimate in detail, some corrections are found. Hence the estimate corrected accordingly and estimate amount enhanced to 69 lakhs. Position abatement study along the polluted stretch of the Kuppam river was conducted by WRD in collaboration with Vimal Jyothi Engineering college and the college submitted the DPR to the Chief Engineer in this DPR, fencing on Kuppam bridge is proposed by the Engineering College for an amount of 22.70 Lakhs in DSR 2016. The estimate is then resubmitted as per DSR 2018 for an amount of 30 lakhs. On scrutiny of estimate in detail, some additions are necessary. Approximate estimate comes to 35 lakhs. As part of new bypass road by NHAI a new bridge parallel to the old bridge is under construction. So the utility of the bridge may be limited in the future and the work may not be technically viable.</p>
3	Regulating activities in flood plain zone, protection and maintenance of flood plain zone Rejuvenation of Kuppam River - Flood plain Zone management Construction of Marginal Earthen Bund at periphery in Edhome Grama Panchayath				<p>This work shall not be considered until adequate technical study is conducted (Wide letter No.752755/CL/16/WRD Thiruvananthapuram dtd 30/09/2020 of the Additional Chief Secretary to Government)</p>
4	Greenery development- Plantation plan. Plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachments				<p>In order to identify the land for plantation on both sides of the river, the boundary of government land should be fixed by the Revenue Department. Eviction of encroachment should be done. For the same, District collector Kannur has already been addressed from Executive Engineer's office and subsequent bio cover works and planting trees have to be done by social forestry department</p>

5.	Issues relating to E- flow, maintaining minimum environmental flow of river (by having waterbed management provisions)					<p>Initially the DPR was submitted for 30 lakhs, but as per the letter No.752755/CL/16/WRD Thiruvananthapuram dttd 10/09/2020 of the Additional Chief Secretary to Government, the estimate was increased for an amount of 10.40 lakhs as per DSR 2016, by assessing the quantity of silt by scientific method DPR was resubmitted as per DSR 2018 for an amount of Rs. 12.80 lakhs for ₹5 . The work includes desilting from Kooerikkadavu and Kattampalikkadavu.</p> <p>The work, Rejuvenation of Kappam River - Maintaining E- Flow is coming under Rejuvenation of Kappam river under Room for River programme. The Executive Engineer, Inland Navigation Division, Kannur was in charge of the Kappam River. The work of silt removal from Kooerikkadavu is completed and was executed by the Assistant Engineer, Inland Navigation Section, Kannur. Silt/sand deposit was identified at Kattampalikkadavu, it was not removed under "Room for River" campaign. It should be done after sand audit and the procedure should be followed and it cannot be executed as a work by tender method. So this work may be treated as completed.</p>
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Monthly Analysis report of river -Pullur- MAY 2025		
Sampling Date: 13/05/2025		
Station Name	RIVER PULLUR AT PULLUR BRIDGE	
Type of Water body	RIVER	
Sl.No	Determinants	Values
1	Temperature, 0C	RIVER DRY/STAGNANT
2	Dissolved Oxygen, mg/l	RIVER DRY/STAGNANT
3	pH	RIVER DRY/STAGNANT
4	Conductivity, µmhos/cm	RIVER DRY/STAGNANT
5	BOD, mg/l	RIVER DRY/STAGNANT
6	Nitrate-N, mg/l	RIVER DRY/STAGNANT
7	Turbidity, NTU	RIVER DRY/STAGNANT
8	Phenolphthalein Alkalinity, mg/l	RIVER DRY/STAGNANT
9	Total Alkalinity, mg/l	RIVER DRY/STAGNANT
10	Chloride, mg/l	RIVER DRY/STAGNANT
11	COD, mg/l	RIVER DRY/STAGNANT
12	TKN, mg/l	RIVER DRY/STAGNANT
13	Ammoniacal-N, mg/l	RIVER DRY/STAGNANT
14	Total Hardness as CaCO <sub>3</sub> , mg/l	RIVER DRY/STAGNANT
15	Calcium as CaCO <sub>3</sub> , mg/l	RIVER DRY/STAGNANT
16	Magnesium as CaCO <sub>3</sub> , mg/l	RIVER DRY/STAGNANT
17	Sulphate, mg/l	RIVER DRY/STAGNANT
18	Calcium (Ca <sup>2+</sup> ), mg/l	RIVER DRY/STAGNANT
19	Magnesium (Mg <sup>2+</sup> ), mg/l	RIVER DRY/STAGNANT
20	Sodium, mg/l	RIVER DRY/STAGNANT
21	Total Dissolved Solids, mg/l	RIVER DRY/STAGNANT
22	Total Fixed Solids, mg/l	RIVER DRY/STAGNANT
23	Total Suspended Solids, mg/l	RIVER DRY/STAGNANT
24	Phosphate, mg/l	RIVER DRY/STAGNANT
25	Boron, mg/l	RIVER DRY/STAGNANT
26	Potassium, mg/l	RIVER DRY/STAGNANT
27	Fluoride, mg/l	RIVER DRY/STAGNANT
28	Total Coliform, MPN/100 ml	RIVER DRY/STAGNANT
29	Fecal Coliform, MPN/100 ml	RIVER DRY/STAGNANT
30	Fecal Streptococcus, MPN/100 ml	RIVER DRY/STAGNANT
31	% SODIUM	RIVER DRY/STAGNANT
32	SAR	RIVER DRY/STAGNANT

Sd/

ASSISTANT SCIENTIST

**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 UPPALA, KASARGOD**

<b>S. No.</b>	<b>Activity to be monitored</b>	<b>Timeline</b>	<b>Submission of progress by State/UT- Compliance status</b>
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		
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 <ul style="list-style-type: none"><li>• Specifying accountability of nodal authorities not below the Secretary level</li><li>• Chief Secretaries may have an accountable person attached in their office for this purpose</li></ul>		
	<ul style="list-style-type: none"><li>• Monitoring at State level must take place</li></ul>		
6	Progress report may be furnished by the State/UTs to <ul style="list-style-type: none"><li>• Secretary, Ministry of Jal Shakti</li><li>• Member Secretary, CPCB</li></ul>		
6.	Progress Report may be comprised of details along with		

1	<p>completion timelines on:</p> <p>(I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment.</p> <p>(II) <u>Status of STPs, I&amp;D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(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</p> <p>(iv) <u>Status of Solid Waste Management &amp; Details of Processing Facilities</u>  Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;</p> <p>(vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including</p>		
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<p>waste generated from hotels, Ashrams, etc.</p> <p>(vii)Ground water regulation</p> <p>(viii) Adopting good irrigation practices</p> <p>(ix) Protection and management of food plain Zones (FPZ)</p> <p>(x) Rain water harvesting</p> <p>(xi)Maintaining minimum Environmental flow of river</p> <p>(xii) Plantation on both sides of the river</p> <p>(xiii)Setting up biodiversity parks on flood plains by removing encroachment</p>		
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**ACTION PLAN FOR RIVER UPPALA, KERALA**

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of March 2025	Progress in the month of April 2025	Progress in the month of May 2025	% works completed	Details of works remaining
C(ii)	Material collection facility. Operation	Mangalpady Grama Panchayath	2019			Not submitted	100%	Completed. Kubanoor Plant is

								working
C	Waste management including purchase of vehicle to collect waste.	Mangalpady Grama Panchayath	2019-2020			Not submitted	-	Approval for purchase of vehicle not sanctioned from Government.
E	Installation of camera	Mangalpady Grama Panchayath	March 2020			Not submitted		
C	Electrification of material collection facility	Manjeshwaram Grama Panchayat	2019-2020	Electrified	Electrified	Electrified	100%	Completed
C	Transportation of collected waste	Manjeshwaram Grama Panchayat	March 2020	21430KG REJECTED WASTE TRANSPORTED	820 KG SEGREGATED AND 65560 KG REJECTED WASTE TRANSPORTED	20210 KG REJECTED WASTE TRANSPORTED	100%	Completed
E	Installation of camera	Manjeshwaram Grama Panchayat	March 2020	CC TV INSTALLED AT 4 PLACES BY KELTRON , CONNECTED TO POLICE STATION AND PANCHAYATH	CC TV INSTALLED AT 4 PLACES BY KELTRON , CONNECTED TO POLICE STATION AND PANCHAYATH	CC TV INSTALLED AT 4 PLACES BY KELTRON , CONNECTED TO POLICE STATION AND PANCHAYATH	100%	Completed

				OFFICE 50% ADVANCE PAYMENT DONE TO KELTRON FOR INSTALLATION OF 14 CC CAMERA , CAMERA INSTALLATION COMPLETED	OFFICE INSTALLATION OF 14 CC CAMERA , CAMERA INSTALLATION COMPLETED	OFFICE INSTALLATION OF 14 CC CAMERA , CAMERA INSTALLATION COMPLETED		
C	Tying of net on both sides of the bridge	Irrigation Department				A letter has been sent 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 NH 66		

						widening.		
E	Continuous vigil on waste dumping on roads	Police Department						
A(a)	Water quality monitoring	KSPCB	Being done regularly					

UPPALA RIVER - UPPALA BRIDGE (Existing NWMP Station)		
Sampling Point	Uppala Bridge	
NWMP Station Code	2306	
Latitude	12°41'41.7"N	
Longitude	74°54'16.9"E	
Date of Sampling	14.05.2025	
Nature and flow of the river	Moderate flow	
Sl.No	Parameters	Uppala Bridge
1	Temperature, 0C	30
2	Dissolved Oxygen, mg/l	4
3	pH	7.4
4	Conductivity, µmhos/cm	48500
5	BOD, mg/l	2.3
6	Nitrate-N, mg/l	5.4
7	Turbidity, NTU	1
8	Phenolphthalein Alkalinity, mg/l	...
9	Total Alkalinity, mg/l	42
10	Chloride, mg/l	24400
11	COD, mg/l	7
12	TKN, mg/l	...
13	Ammoniacal-N, mg/l	0.4
14	Total Hardness as CaCO <sub>3</sub> , mg/l	700
15	Calcium as CaCO <sub>3</sub> , mg/l	220
16	Magnesium as CaCO <sub>3</sub> , mg/l	480
17	Sulphate, mg/l	301.7
18	Calcium (Ca <sup>2+</sup> ), mg/l	88.2
19	Magnesium (Mg <sup>2+</sup> ), mg/l	116.6
20	Sodium, mg/l	16818
21	Total Dissolved Solids, mg/l	43400
22	Total Fixed Solids, mg/l	24320
23	Total Suspended Solids, mg/l	76
24	Phosphate, mg/l	0.2
25	Boron, mg/l	0.57
26	Potassium, mg/l	1031
27	Fluoride, mg/l	0.85
28	Total Coliform, cfu/100 ml	300
29	Fecal Coliform, cfu/100 ml	0
30	Fecal Streptococcus, cfu/100 ml	0
31	% SODIUM	94.8
32	SAR	276.07

UPPALA RIVER - UPPALA RIVER NEAR BHAGAVATHI TEMPLE (Bhagavathi Gate) - (Proposed NWMP Station)			
Sampling Point	Uppala River Near Bhagavathi Temple (Bhagavathi Gate)		
Distance from existing NWMP Station	878.66 m		
Latitude	12°41'20.1"N		
Longitude	74°54'34.0"E		
Date of Sampling	14.05.2025		
Nature and flow of the river	moderate flow		
Sl.No	Parameters	Unit	Uppala River Near Bhagavathi Temple (Bhagavathi Gate)
1	Temperature	° C	32
2	pH	-	7
3	Conductivity	µmhos/cm	22700
4	Turbidity	NTU	1
5	BOD	mg/l	1.3
6	Dissolved Oxygen	mg/l	5.1
7	Total Coliforms	cfu/100ml	4000
8	Fecal Coliforms	cfu/100ml	200
9	Fecal Streptococcus	cfu/100ml	70
10	Chlorides	mg/l	7100
11	Total Alkalinity	mg/l	26
12	Total Hardness	mg/l	350
13	Calcium Hardness	mg/l	70
14	Magnesium Hardness	mg/l	280
15	Calcium	mg/l	28.1
16	Magnesium	mg/l	68.0
17	Total Dissolved Solids	mg/l	14528
18	Sodium	mg/l	4800
19	Potassium	mg/l	14.0
20	Nitrate	mg/l	3.6

Sd/-  
Assistant Scientist