# *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 - Aug 2025

1. **Short Term Plan**

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

| No. | Activity | Implementing agency | Time line | Progress in the month of May 2025 | Progress in the month of June 2025 | Progress in the month of July 2025 | % works completed | Details of works remaining |
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| 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 for the Kuraithi pumping main<br>DPR for pumping mains from Pattoor, Kannammoola & Enchakkal prepared. AS to be obtained. |
| 2.1.2 | Rehabilitation/upgradation of Thaliyal and Aranoor Sewerage Pump house by rehabilitation of existing well, construction of new well and grit chamber, installation of new pump Sets. | Kerala Water Authority | May 2020 | | | | 100% | Completed |
| | | | | | | | 100% | Work completed |
| 2.1.3 | 5 MLD sewage treatment plant at Medical College | Kerala Water Authority | May 2020 | | | | 100% | Work Completed. |

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| 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. |

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| 2.1.7 | Discharge of sewage in Parayilkadavu shall be stopped as there is | Kerala Water Authority | Completed | | | | 100 % completed | Works Completed. |
| | overflow of sewage reaches in houses having sewerage connection and this may lead to discharge of sewage into River Karamana. | | | | | | | |
| 2.1.8 | Divert the sewer line from the School compound of Government Karamana High School | Kerala Water Authority | Completed | | | | 100% completed | Work Completed. |
| 2.1.9 | Rehabilitation by laying new lines increasing size of undersized main and reconstruction by dilapidated manholes for the last 3 years | Kerala Water Authority | May 2020 | 0% | 0 % | 0 % | 100% | Works completed – 75Nos.<br>(Rs.15.41cr)<br>AMRUT-44,<br>State plan-28<br>MLA ADF/SDF-3 |
| | Total works in progress/completed (76No.) Works dropped (2No.) | | | | | | Dropped – 2 No.<br>(Rs.1.52cr.) | Two works dropped due to not getting offers on repeated tenders and expiry of AS |
| 2.1.10 | Extension of sewer network wherever technically feasible in new areas of existing blocks | Kerala Water Authority | May 2020 | 0.1% | .1% | 0 % | 99.3% | Works completed - 21 No.<br>AMRUT-12,<br>State plan-7 nos,( 4 nos on-going)<br>MLA ADF/SDF-1 |
| | In progress/On-going (4No.) | | | | | | | |

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| | Tendering/ To be | | | | | To be arranged | Land acquisition in | Land acquisition process for all 4 works |
| | arranged (1No.)<br>Land acquisition -1<br>In progress-3 | | | | | | progress-1Nos | completed and land handed over to KWA and LA for the work of laying sewer trunk main from Murinjapalam towards Kannammoola - Joint site inspection of the site by KWA officers and LA Tahsildar were conducted on 27.02.24 for assessing the land value. LA 11(1) LA in progress Final stage. Revised AS obtained in state plan 2021-22, - 2.36 Cr demanded. Remittance of 2.36cr completed in 3 phase. Balance AS amount for Rs.49.68 Lakhs as per the revised demand from Spl. Tahsildar Administrative Sanction is obtained for this vide proceedings no. KWA-JB/4401/2024-AE1 PIU1 KWA-Part (2) dated 22.0 2.2025. Action is being taken to settle the matter. And land handed over to KWA<br>AS obtained for arranging the work under State Plan 22-23 and one work arranged and one tendered. This tendered work ie "Inter connection of 700mm dia CI pipe between Jagathy Chadiyara sewer main and parallel main across Killi river" re-casted and placed under State Plan 2022-23, AS received and tendered. Agreement Executed and pipe supplied and work in progress -50% completed. "E Block Zone II - Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common manhole ch 512m to 785m "- Killi River Crossing permission obtained. River crossing pipe laying delayed due to rain and restarted the same on 29.01.2025. Work 58% completed. Box culvert work 100%completed. For the work "E Block Zone II - Laying 600mm dia RCC NP3 pipe sewer main from Edappazhinji Chitra Nagar I st Reach" - 26% completed. No further progress in the work by the contractor after March 2024. The contractor steps back from contract. Recommended to |

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| | | | | | | | | terminate the work and arrange at risk and cost. But, now the contractor restarted the work and HDD machine was mobilized at the site.<br>Trial pits from different agencies to find out cables, ducts been verified. Trial HDD done. Work will be completed within 30 days |
| 2.1.11 | Procurement of sewer | Kerala | Mar | 0% | 0% | 0% | 100% | Work Completed. |
| | cleaning machines and equipment maintenance | Water Authority | 2020 | | | | | |

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 |
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| 3.1.1 | Extension of sewerage system to Block F to G coastal belt | | | | | | | Consultant appointed for preparing Detailed Project Report for uncovered wards of the Thiruvananthapuram Corporation and Rehabilitation of the existing system was terminated from the contract due to breach of contract by the firm vide Proceedings No. KWA/SE/SEW/EOI/REPL/338/2020-2021 of the Superintending Engineer, Sewerage Circle, Kerala Water Authority Thiruvananthapuram dated 31.05.2022 to arrange the balance work at their risk and cost. As directed in the Chief |
| 3.1.2 | Extension of sewerage system to Block H to R | | | | | | | |
| 3.1.3 | Extension of sewerage system to newly added areas of corporation viz, | | | | | | | |
| 3.1.4 | Providing sewerage system in Block A to E | Kerala Water | | Three | | | | |

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| 3.1.5 | Rehabilitation of existin g Network and pump house in block A to E | Authority | | years | | | | Secretary, GoK's meeting dated 21/06/2022 to do the Preparation of DPRs internally, action taken accordingly. Meanwhile the terminated firm M/s REPL filed a complaint against KWA in the Hon'ble High court of Kerala (WP(C) No 26031 of the year 2022) and obtained a stay against KWA at first up to 22.08.22 which is then got extended up to 14.09.22 against taking any coercive actions. DPR preparation of sewerage system to the uncovered areas of TMC is now being carried out internally by |
| 3.1.6 | Procurement of equipment for maintenance of sewerage system. | | | | | | | |
| 3.1.7 | Additional STP requirement | | | | | | | |

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| | | | | | | | | 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 these two works and works tendered. As the two bidders who quoted for the Tender of Cluster 1-(ZONE-III Kalady Part) and (ZONE-IV - Attukal Part) was disqualified the tender was cancelled and retendered the work. Two bidders participated in the tender and is under prequalification process. In case of Cluster I zone I&V, also the two bidders who quoted the tender were disqualified. Estimate recasted and TS issued. Decision from the corporation is awaited regarding the tendering of the work ie about excluding certain area of Zone I. 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 |

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| | | | | | | | | Cluster 3 Zone 1, Puthanpalli ward for 1.5 MLD Sewerage network with 5 year O&M and without centage submitted to Corporation under AMRUT2.0 on 11/1/23.The DPR of Cluster 3 Zone 2 and Zone 3 is prepared and submitted on 21.01.2023.<br>The DPR for cluster 2 submitted on 27.02.2023 and is verified and kept in Shelf. The DPR for cluster 4 (Thirumala Thrikkannapuram and Punnakkamughal wards) is prepared and submitted on 30.03.2023 with pvt land. And as suggested for identifying Corporation/Govt. lands for the collection well and STP proposed is being done and after obtaining sanction of the Puramboke land identified, there will be changes in the design of network and action being taken to revise the estimate accordingly. DPR for Cluster IX (priority wards (Vizhinjam and Harbour area) completed and submitted on 29.09.2023. Land for STP identified and the confirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham, Vettucaud, Vallakadavu, Beemapalli (part), Beemapalli East (part), Valiyathura and Kadakampally is under preparation. DPR for Cluster 3 Zone 1&3 estimate revised and submitted the same to Corporation for getting AS under UIDF. |
| | Total Amount | | 5000CR | | | | | |

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

**Managing Director**

## *WORKS UNDERTAKEN AS PART OF ACTION PLAN*

### STATE PLAN 2021-22

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

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| 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 |

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

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

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| 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 |

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| 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 |

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

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| 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 |
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| 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 |

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| 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 | | |

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| 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 |

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| 18 | "Trivandrum Sewerage Scheme"-Providing and Laying Pipe from common manhole of sewer line at Ayyankali road to Nellikuzhy | Sewerage Division, KWA, Trivandrum | State Plan | | |
| 19 | State Plan 2022-23-Reconstruction of old dilapidated brick man holes,raising of man holes and replacement of RCC Covers with CI covers at Thampanoor and Manjalikkulam area | Sewerage Division, KWA, Trivandrum | State Plan | | completed |
| 20 | TSS-Rehabilitation of sewer line in Kanthalloor Mahadeva Temple lane in Valiyasala ward under Sewerage Section no.II,Kuriathy | Sewerage Division, KWA, Trivandrum | State Plan | | Completed |
| 21 | ` TSS-E Block Zone II Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common man hole (Ch.512 m to 785 m) & inter connection of 700mm dia DI pipe between Jagathy Chadiyara sewer main and parallel main across Killi river and constructing 450mm dia bored cast in situ piles inside of river and connected works(Ch 649 m to 679 m)-Additional Administrative Sanction | Sewerage Division, KWA, Trivandrum | State Plan | | 27 No of 700 mm RCC pipe laid . MH 1 to MH 6 completed. MH 7 and pipe laying in progress . |
| 22 | State Plan 2022-23 - TSS-Urgent rehabilitation of sewerage network by replacement of damaged 150 mm SW pipes with 300 mm SW pipe and construction of new manholes from Decent Mukku Jn to Pumphouse Road | Sewerage Division, KWA, Trivandrum | State Plan | | |
| 23 | State Plan 2022-23 - TSS-Reconstruction of old dilapidated brick manholes, raising of manholes and replacement of RCC covers with CI covers at Thycaud and Poojappura RC areas | Sewerage Division, KWA, Trivandrum | State Plan | | Completed |
| 24 | State Plan 2022-23 - TSS-Replacing of old and damaged 100mm SW sewer line with 200 mm SW sewer line at Pullaikonam lane Sasthamangalam-Additional AS | Sewerage Division, KWA, Trivandrum | State Plan | | Completed |

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

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

## STATE PLAN 2023-24

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

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

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

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

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

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

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| 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 | **Retendered** |
| 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 | **Retendered** |
| 42 | State Plan-2023-24-TSS-Providing and laying 200 mm dia SW sewer branches (15 Nos) from Edapazhanji Chithra Nagar junction to Njaramoodu Junction . | Sewerage Division, KWA, Trivandrum | State Plan | 30.09.2025 | **Work ongoing** |
| 43 | State Plan-2023-24-TSS-Mace-Pilot project-GIS mapping of manholes in the maintenance area under Sewerage Division Pattoor. | Sewerage Division, KWA, Trivandrum | State Plan | completed | **Completed** |
| 44 | State Plan-2023-24-TSS-Providing 200m Dia Sewer main from Edapazhinji Jn towards CSM Nagar | Sewerage Division, KWA, Trivandrum | State Plan | 30.11.2025 | **Retendered** |
| 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** |

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| 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 andcommissioning of non clogwet well installed flood proof submersible pump set suitable for pumping raw sewage at Pattoor pump house | Sewerage Division, KWA, Trivandrum | State Plan | 15.06.2025 | **Work ongoing** |
| 52 | State Plan 2023-24 - TSS-supply erection trial run and commissioning of non clog dry installed flood proof submersible pump set suitable for pumping raw sewage at Plamoodu pump house | Sewerage Division, KWA, Trivandrum | State Plan | 30.07.2025 | **Retendered** |

## STATE PLAN 2024-25

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

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

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

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

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

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

## STATE PLAN 2025-26

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| 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 | | **Agreement Executed** |
| 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 Thamarabhagam. | Sewerage Division, KWA, Trivandrum | State Plan | | **AS Received** |
| 4 | State plan - 2025-26- Replacing of old, under sized and damaged see lines with New SW line from Ration shop near Kattachal Bhagavathy Temple towards Bhagavathy Lane | Sewerage Division, KWA, Trivandrum | State Plan | | **AS Received** |
| 5 | State plan - 2025-26- Replacing of old, under sized and damaged sewer line with new SW Sewer line near Asif Biriyani Hotel at Kesavadasapuram - Ulloor Road. | Sewerage Division, KWA, Trivandrum | State Plan | | **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** |
| 7 | State plan - 2025-26- TSS - Construction of New well and connected work at Pattoor Pump House | Sewerage Division, KWA, Trivandrum | State Plan | | **AS Received** |

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

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

# AMRUT

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

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

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

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

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

## SMART CITY

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

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| 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 |

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| 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 |

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| 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 |

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

## MLA- ADS

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

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

| RIVER KARAMANA | | | | |
|---|---|---|---|---|
| **KWA** | | | | |
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| Pumping lines from the terminal pumping stations namely Kuriyathi, Pattoor, Kannammoola and Enchakkal pumping stations are to be connected directly to STP at Muttathara | May 2019 | DPR for pumping main from Pattoor, Kannammoola & Enchakkal under preparation<br><br>Kuriyathi Pumping lines | Rough cost Estimate prepared | |
| Rehabilitation by laying new lines increasing size of undersized main and reconstruction by dilapidated manholes for the last 3 years | May 2020 | Works completed - 75 Nos<br>Two works dropped due to not getting offers on repeated tenders and expiry of AS | | |
| | | | | |
| **TVM Corporation** | | | | |
| Slaughterhouse and poultry waste | | Slaughterhouse Kunnukuzhy- Security cabin, roof slab casting completed, visitors lounge, structure completed, roof slab casting on progress. Work under progress. It will be completed on 30/08/2025.<br>poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor. | Slaughterhouse will inaugurate on 30-08-2025 | |
| **Sanitation facility and treat of waste water in the markets of Pangode, Kumarichanda** | | New project ,Approved by DPC<br>Project no - 1835/26 | New project ,Approved by DPC<br>Project no - 1835/26 | |

| | | | | |
|---|---|---|---|---|
| Provide facility for the treatment of sewage, sullage and garbage generated in the Poonthura slum area between Karamana river and sea | | Only 13 Locations work completed out of 28Nos. This area will be covered in the master plan for providing sewer line for the full capacity utilization of CSTP at Muttathara and by providing Decentralized STP where there is land availability- KWA - Work progress - 50% (Can be removed from action plan?) | KWA has prepared DPR of sewer line to Poonthura Manikkavilakam Bheemapalli East and Thiruvallam area for an amount of Rs 88 Crs, AS not yet received.. | |
| The discharge of wastewater from the surrounding houses to the pond at Jagathy is to be stopped | | Corporation has to take a solution for this, as this area is at low level and it is not possible to connect this to existing sewer network. | | |
| Around 155 Houses in Kurukuvilakom, Kannettumukku shall be provided with septic and treatment system | | **Dropped. When the full capacity utilization of CSTP at Muttathara shall be ensured, this area will be covered as it is situated along the banks of Karamana – Killiyar River - KWA. (Can be removed from action plan?)** | | |
| Biodegradable waste<br>Community biogas (No. 12) | | 27 nos installed, Only 2 in working condition | Out of total 20 nos under maintenance ,4 have been completed | |
| Organic Waste Converter (No. 1) | | Dropped | | |
| Portable biogas (No. 200) | | Dropped | | |
| Segregation bins (No. 1,00,000) | | Dropped. | | |
| Plastic Recycling unit (No. 1) | | Site not yet identified. Project dropped | | |

| | | | | |
|---|---|---|---|---|
| Mobile MRF (No. 5) | | Dropped. | | |
| Electronic Weigh bridge (No. 1) | | Dropped. | | |
| PET bottle crushing (No. 15) | | Dropped. | | |
| Animal Crematorium at Kattela | | Project dropped | | |
| Urban Gardening | | Project dropped | | |
| Take steps to prevent the solid wastes in sewer line as reported by KWA | | Employees were placed at various spots during night to prevent dumping of solid waste in drains and fines are being charged. Regarding to waste throwing to public places. Corporation collected an amount of Rs.3786881/- as fine from April 2024 to November 2024 | Corporation collected an amount of Rs.7776691- as fine from April 2024 to July 2025 | |
| Acquire 58 acres of land and rehabilitate 8150 families from the banks of River | | Project Dropped | | |
| **Irrigation Department** | | | | |
| Improvements to Thekkenekara canal and de-silting | 1 yr from the date action plan was formulated | Flood mitigation work completed | | |
| Karimadam tank improvements, de-silting sheet piling/under preparation and providing fencing | 1.5 yr from the date action plan was formulated | Flood mitigation works ongoing | | |
| Development of Karamana Basin | 1.5 yr from the date action plan was formulated | Desiltation of river completed. E-flow statement is submitted | | |

# STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2025

Analysis Report for the month of August- 2025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Name of River | | KARAMANA | | | | | |
| Date and Time of Sample collection | | 2/8/2025 | | | | | |
| Method of analysis | | | | | | | |
| Sl no. | Parameters | SAMPLE ID | | | | | |
| | | Peppara | Aruvikkara | Mangottukadavu | Pallathukadavu | Thiruvallom | Moonnattumukku |
| 1 | Temperature (°C) | 29 | 29 | 29 | 29 | 30 | 30 |
| 2 | Dissolved O2 (mg/L) | 7.4 | 6.9 | 6.9 | 6 | 6.5 | 3.2 |
| 3 | pH | 7.4 | 6.7 | 6.6 | 6.8 | 6.5 | 6.9 |
| 4 | Conductivity (µmho/Cm) | 56 | 78 | 109 | 189 | 155 | 500 |
| 5 | BOD (mg/L) | 1.6 | 1 (BDL) | 1 (BDL) | 1.1 | 3 | 3.8 |
| 6 | Nitrate - N (mg/L) | 0.3 (BDL) | 0.3 (BDL) | 0.3 (BDL) | 1.3 | 0.9 | 1.9 |
| 7 | Turbidity (NTU) | 1.1 | 1.3 | 1.1 | 1.6 | 2 | 3 |
| 8 | Total Alkalinity (mg/L) | 20 (BDL) | 20 (BDL) | 28 | 40 | 36 | 90 |
| 9 | Chlorides (mg/L) | 10 | 12 | 24 | 28 | 28 | 80 |
| 10 | Ammonical N (mg/L) | 0.4 (BDL) | 0.4 (BDL) | 0.4 (BDL) | 0.4 (BDL) | 0.4 (BDL) | 3.6 |
| 11 | Total Hardness (mg/L) | 18 | 20 | 36 | 52 | 40 | 110 |
| 12 | Ca as CaCo3 (mg/L) | 10 | 12 | 20 | 32 | 32 | 62 |
| 13 | Mg as CaCo3 (mg/L) | 8 | 8 | 16 | 20 | 8 | 48 |
| 14 | Sulphate (mg/L) | 5 (BDL) | 5 (BDL) | 5 (BDL) | 6 | 6.3 | 15.9 |
| 15 | Sodium (mg/L) | 5.4 | 6.2 | 12.8 | 17.5 | 18.5 | 42.1 |
| 16 | Measured TDS (mg/L) | 38 | 44 | 79 | 114 | 134 | 278 |
| 17 | Total 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) | 2.5 | 3.1 | 3.4 | 4.3 | 8.4 | 15.6 |
| 20 | Total Coliform (MPN/100ml) | 560 | 1800 | 2000 | 2600 | 3100 | 5800 |
| 21 | Fecal Coliform (MPN/100ml) | 370 | 910 | 930 | 1700 | 2500 | 4100 |
| 22 | SAR | 0.56 | 0.60 | 0.93 | 1.06 | 1.28 | 1.74 |

03/09/2025

ASSISTANT ENVIRONMENTAL 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 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<br>• Specifying accountability of nodal authorities not below the Secretary level<br>• Chief Secretaries may have an accountable person attached in their office for this purpose | 22.01.2020 | No industry/commercial activity |
| | • Monitoring at State level must take place | 22.01.2020 | NIL |
| 6 | Progress report may be furnished by the State/UTs to<br>• Secretary, Ministry of Jal Shakti<br>• Member Secretary, CPCB | 22.01.2020<br>Fortnightlycommencing | NIL |
| 6.1 | Progress Report may be comprised of details along with completion timelines on: | 21.12.2019 | Drains contributing to river |

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

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

## ACTION PLAN FOR RIVER PAMBA, KERALA

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

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

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

## ACTION BY GROUND WATER DEPARTMENT

| Sl. No | Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018 | Activity | Timeline | Progress in the month of June 2025 | Progress in the month of July 2025 | Progress in the month of August 2025 | % works completed | Details of works remaining |
|---|---|---|---|---|---|---|---|---|
| 1 | B(i) | Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | 31.03.2021 | | | | | |
| 2 | B(ii) | Ground water recharging / rain water harvesting in Govt offices | 31.03.2021 | | | | | |
| 3 | NGT order in O.A no.496/2016 | NGT order in O.A no.496/2016 Identification of illegal bore wells in the | 31.03.2021 | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Identification of illegal bore wells in the catchment area. | catchment area. | | | | | | |

| RIVER MANIMALA | | | | |
|---|---|---|---|---|
| **IRRIGATION DEPARTMENT** | | | | |
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **MANIMALA** | | | | |
| Fencing of bridges, desilting, dredging and protection works, surveillance cameras at vantage points | **31.03.2021** | **Work to be initiated** | Fund to be allotted for the proposal | Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment |
| Greenery developmentPlantation on both sides of the river, setting up biodiversity parks in flood plains and removing encroachment | **31.03.2021** | **Yet to be initiated** | Fund to be allotted for the proposal | Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment |
| Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions) | **31.03.2021** | **Work to be initiated** | Fund to be allotted for the proposal | Project report for the holistic rejuvenation of the reach is prepared and submitted to goverment |
| Eraviperoon/ Thiruvalla LB | | | | |
| Rendering Plant at Eraviperoor or Thiruvalla | **31.03.2021. Rendering plant not initiated in Eraviperoor GP** | **Work to be initiated** | **Not started** | **Nil** |
| **Kallooppara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayath** | | | | |
| Installing household & community level solid and domestic sewage waste management | 31.12.2021 | On going | On going | Sewage waste management project not started in Peringara GP |
| Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Recovery Facilities (RRF) | 10th to 20 Every month (10 days)-Peringara GP | Plastic waste collected by Harithakarmasena and lifted by CKCL - Peringara GP | Door collection 100% | No RRF in Peringara GP |
| Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Recovery Facilities (RRF) | 15th to 25 Every month (10 days)-Puramattom GP | Plastic waste collected by Harithakarmasena and lifted by CKCL - Puramattom GP | Door collection 100% | No RRF |
| Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Recovery Facilities (RRF) | 1st to 10th Every month Kaviyoor GP | Plastic waste collected by Harithakarmasena in MCF and transferred to CKCL -Kaviyoor GP | Door collection 100% Door collection 100%-Kaviyoor GP | No RRF in Kaviyoor GP |

| | | | | |
|---|---|---|---|---|
| Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Recovery Facility (RRF) | 10th to 20<br>Every month (10 days)-<br>Eraviperoor GP | Plastic waste collected by Harithakarmasena and lifted by CKCL - Eraviperoor GP | Door to door collection 100% in Eraviperoor GP | No RRF in Eraviperoor GP |
| **GROUNDWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | | | |
| Ground water recharging / rain water harvesting in Govt offices | | | | |
| NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area. | | | | |

**ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND THONDRA**
**August- 2025**

| SI NO | BOTTLE NO. | Name of Drains | PH | BOD | TC | FC |
|---|---|---|---|---|---|---|
| 1 | TK1 | Panayampalathodu | 6.14 | 0.5 | 200 | 100 |
| 2 | TK2 | PadathupalamThodu | 6.55 | 201 | NIL | NIL |
| 3 | TK3 | Thottappuzha | 6.79 | 1.6 | 600 | 400 |
| 4 | TK4 | Kuttapuzha under Kattodubridge | 6.84 | 0.5 | 200 | NIL |
| 5 | TK5 | Kadavumbara | 6.88 | 0.1 | 400 | 200 |
| 6 | TK6 | Drain under Varappalam Bridge | NIL | NIL | NIL | NIL |
| 7 | TK7 | Drain under kallupalam Bridge | 6.87 | 0.4 | 8200 | 5000 |
| 8 | TK8 | Komalamthodu | 6.96 | 0.2 | 200 | 100 |
| 9 | TK9 | Vennikulam Valiyathodu | 6.9 | 0.1 | 1800 | 800 |
| 10 | TK10 | Paduthodu | 6.95 | 0.2 | 400 | NIL |
| 11 | TK11 | Mallappally Valiyathodu | 6.9 | 1.1 | 800 | 400 |

| ANALYSIS RESULT OF DRAINS JOINING TO MANNAR-THAKAZHI STRETCH OF PAMBA RIVER AUGUST 2025 | | | | | | |
|---|---|---|---|---|---|---|
| Sl.No. | NAME OF DRAIN | PARAMETERS | | | | |
| | | pH | Conductivity(µS/cm) | BOD(mg/l) | TC (Nos/100 ml) | FC |
| 1 | Parumala Drain | NIL | NIL | NIL | NIL | NIL |
| 2 | Mannar Town Drain | NIL | NIL | NIL | NIL | NIL |
| 3 | Kuriyathkadavu Thodu | 6.94 | 35.66 | 0.1 | 3800 | 1400 |
| 4 | Karuvelil Thodu | 7.1 | 35.87 | 0.5 | 1600 | 200 |
| 5 | Nochithodu | 7.08 | 39.22 | 1.5 | 6600 | 2800 |
| 6 | Pattaparambil Thodu | 6.99 | 35.2 | 0.6 | 800 | 400 |
| 7 | Kappiyarissery Thodu | 7.12 | 51.07 | 2.7 | 800 | 200 |
| 8 | Kombankery Thodu | 7.04 | 32.68 | 1.1 | 1000 | 800 |
| 9 | Perackal thodu | 7.12 | 35.65 | 0.4 | 1200 | 200 |
| 10 | Erathodu | 7 | 40.59 | 1.2 | 1600 | 800 |
| 11 | Kolarayaru | 7.08 | 35.22 | 1 | 1600 | 600 |

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്
ജില്ലാ ഓഫീസ്
ആലപ്പുഴ

ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND THONDRA

August 2025

| SI NO | NO. | Name of Drains | PH | BOD | TC | FC |
|---|---|---|---|---|---|---|
| 1 | TK1 | Panayampalathodu | 6.14 | 0.5 | 200 | 100 |
| 2 | TK2 | Padathupalam Thodu | 6.55 | 2.1 | NIL | NIL |
| 3 | TK3 | Thottappuzha | 6.79 | 1.6 | 600 | 400 |
| 4 | TK4 | Kuttapuzha under Kattodubridge | 6.84 | 0.5 | 200 | NIL |
| 5 | TK5 | Kadavumbara | 6.88 | 0.1 | 400 | 200 |
| 6 | TK6 | Drain under Varappalam Bridge | NIL | NIL | NIL | NIL |
| 7 | TK7 | Drain under kallupalam Bridge | 6.87 | 0.4 | 8200 | 5000 |
| 8 | TK8 | Komalamthodu | 6.96 | 0.2 | 200 | 100 |
| 9 | TK9 | Vennikulam Valiyathodu | 6.9 | 0.1 | 1800 | 800 |
| 10 | TK10 | Paduthodu | 6.95 | 0.2 | 400 | NIL |
| 11 | TK11 | Mallappally Valiyathodu | 6.9 | 1.1 | 800 | 400 |

**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 AUGUST 2025**

| S. No. | Activity to be monitored | Timeline | Submission of progress by State/UT-Compliance status |
|---|---|---|---|
| 1 | Ensure 100% treatment of sewage at least in-situ remediation | 31.03.2025 | Projects for to be taken |
| | Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured | ,, | ,, |
| 2 | Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning | ,, | ,, |
| 5 | Chief Secretaries may set up appropriate monitoring mechanism at state level<br>• Specifying accountability of nodal authorities not below the Secretary level<br>• Chief Secretaries may have an accountable person attached in their office for this purpose | NA | - |
| | • Monitoring at State level must take place | NA | - |
| 6 | Progress report may be furnished by the State/UTs to<br>• Secretary, Ministry of Jal Shakti<br>• Member Secretary, CPCB | NA | - |
| 6. | Progress Report may be comprised of details along with | | |

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

| | | | |
|---|---|---|---|
| | waste generated from hotels, Ashrams, etc.<br><br>(vii)Ground water regulation<br><br>(viii) Adopting good irrigation practices<br><br>(ix) Protection and management of food plain Zones (FPZ)<br><br>(x) Rain water harvesting<br><br>(xi)Maintaining minimum Environmental flow of river<br><br>(xii) Plantation on both sides of the river<br><br>(xiii)Setting up biodiversity parks on flood plains by removing encroachment | | -<br><br>Yes, Going On<br><br>Yes, Going On |

**ACTION PLAN FOR RIVER PAMBA, KERALA**

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A(a) | Monitorng of river water quality | Kerala State Pollution Control Board | Continuing project | | | | | |
| C(ii) | Establishment of de-centralized solid waste treatment facility | MannarPanchayat, Kadapra/ NiranamPanchayath | 31.03.2021 | THUMBOORMOOZHI MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND | THUMBOORMOOZHI MODEL AEROBIC COMPOST 4 UNIT IN PANCHAYTH&2 UNIT IN PRIVATE BUS STAND | No new project taken | | |
| C | Establishment of Material Collection Facility | MannarPanchayat, Kadapra/ NiranamPanchayath | 31.03.2021 | Work in progress | CIVIL WORK COMPLETED | Civil work completed | | |
| C | Resource Recovery Facility | MannarPanchayat, Kadapra/ NiranamPanchayath | 31.03.2021 | NA | NA | NA | | |
| C | Installing household and community level solid waste management units | MannarPanchayat | 31.03.2021 | PLASTIC WASTE COLLECTION | PLASTIC WASTE COLLECTION | Plastic waste collection | | |
| C | Door to door collection and transportation of municipal solid waste | MannarPanchayat | 31.03.2021 | Userfeecollection 74.64% | Userfee collection 76.15% | Usefee for plastic collection 75.71% | | 22.29% |
| C | Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of | KadapraPanchayat | 31.12.2020 | | | | | |

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Offices institution & Public function | | | | | | | |
| D(a) | Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions) | Irrigation department | 30.11.2020 | | | | | |
| D (b) | Irrigation practices | Irrigation department | 30.04.2020 | | | | | |
| E | Awareness programmes for sections of public | Kerala State Pollution Control Board | 31.05.2020 | | | | | |
| C | Management of municipal, plastic, hazardous, biomedical and electrical waste | LSGD | 31.03.2021 | PLASTIC COLLECTED BY HARITHAKARMASENA | PLASTIC COLLECTED BY HARITHAKARMASENA | Plastic waste 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 JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 2025 | % works completed | Details of works remaining |
|---|---|---|---|---|---|---|---|
| 1 | B(i) | Ground Water resources and regulation of ground water extraction by industries particularly in over | | | | | |

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

| RIVER PAMBA | | | | |
|---|---|---|---|---|
| **NIRANAM PANCHAYAT** | | | | |
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| Establishment of de-centralized solid waste treatment facility | | 521 biocomposter bin issued to households and 15 compost pit constructed for house holds and 3 compost pit constructed for public | 521 biocomposter bin issued to households and 15 compost pit constructed for house holds and 3 compost pit constructed for public | |
| Establishment of Material Collection Facility | | MCF covering an area of 2000 sqft is function ing in Niranam gramapanchayat | MCF covering an area of 2000 sqft is function ing in Niranam gramapanchayat | |
| Resource Recovery Facility | | PLASTIC WASTE COLLECTED BY HARITHA KARMASENA IS TRANSFERREDTO CKCL | No RRF.<br>PLASTIC WASTE COLLECTED BY HARITHA KARMASENA IS TRANSFERREDTO CKCL | |
| **KADAPRA** | | | | |
| Establishment of de-centralized solid waste treatment facility | | Not submitted the details | | |
| Resource Recovery Facility | | Resource Recovery Facility due to non availability of space | Resource Recovery Facility due to non availability of space | |
| Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Parumala Town | | The Panchayat considered that sewage treatment plants currently not need with in Panchayat area around Parumala | The Panchayat considered that sewage treatment plants currently not need with in Panchayat area around Parumala | |
| Green Protocol implementation in all Offices institution & Public function | | | Green protocol implemented among all the offices and public function | |
| **IRRIGATION DEPARTMENT** | | | | |

| | | | | |
|---|---|---|---|---|
| Construction of compound wall with fencing | | | **Fencing work completed,compound wall access to be initiated** | |
| Removing light jungle and muddies from river courses | | | Work agreement executed | |
| Electrical-Light arrangements and Surveillance cameras | | | Fund to be allotted for the proposal | |
| Regualting activites in flood plain zone, protection and management of flood plain zone | | | Fund to be allotted for the proposal | |
| Greenery developmentPlantation on both sides of the river, setting up biodiversity parks in flood plains and removing encroachment | | Detailed project report for the Holistic rejuvenation of the reaches is prepared and submitted to Government | Fund to be allotted for the proposal | |
| Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions) | | | Fund to be allotted for the proposal | |
| Irrigation practices | | | Fund to be allotted for the proposal | |

| Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (August-2025) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl.No | Name of Drain | Parameters | | | | | | | | | | | | | | |
| | | pH | | | Electrical Conductivity(µS/cm) | | | BOD(mg/l) | | | TC(Nos/100ml) | | | FC | | |
| | Months | JUNE | JULY | AUG | JUNE | JULY | AUG | JUNE | JULY | AUG | JUNE | JULY | AUG | JUNE | JULY | AUG |
| 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 | 7.7 | 7.2 | 6.94 | 29.06 | 129.9 | 35.66 | 0.672 | 3.5 | 0.1 | 1000 | 400 | 3800 | 600 | 200 | 1400 |
| 4 | KaruvelilThodu | 7.5 | 7.4 | 7.1 | 32.67 | 111.7 | 35.87 | 3.552 | 1.35 | 0.5 | 1200 | 2200 | 1600 | 200 | 200 | 200 |
| 5 | Nochithodu | 7.4 | 6.9 | 7.08 | 29.98 | 116.7 | 39.22 | 0.864 | 0.25 | 1.5 | 800 | 4800 | 6600 | 300 | 2400 | 2800 |
| 6 | Pattaparambil Thodu | 7.3 | 7 | 6.99 | 29.17 | 52.2 | 35.2 | 0.576 | 1.15 | 0.6 | 1400 | 1600 | 800 | 700 | 600 | 400 |
| 7 | Kappiyarissery Thodu | 7.2 | 6.8 | 7.12 | 37.06 | 66.81 | 51.07 | 1.632 | 2.45 | 2.7 | 800 | 9400 | 800 | 600 | 600 | 200 |
| 8 | Kombankery Thodu | 7.1 | 7.1 | 7.04 | 30.49 | 69.42 | 32.68 | 0.576 | 1.85 | 1.1 | 800 | 2600 | 1000 | 700 | 800 | 800 |
| 9 | Perackalthodu | 7.2 | 7.2 | 7.12 | 34.38 | 54.82 | 35.65 | 2.496 | 0.85 | 0.4 | 800 | 1800 | 1200 | 600 | 400 | 200 |
| 10 | Erathodu | 7.3 | 7.1 | 7 | 34.87 | 48.44 | 40.59 | 2.496 | 0.85 | 1.2 | 400 | 400 | 1600 | 300 | 200 | 800 |
| 11 | Kolarayaru | 7. 2 | 7 | 7.08 | 27.76 | 45.62 | 35.22 | 0.672 | 1.05 | 1 | 1000 | 400 | 1600 | 100 | 200 | 600 |

| RIVER PERIYAR | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **ALUVA MUNICIPALITY** | | | | |
| Augmentation and Revamping of existing STP at near Adwaitha Ashramam and to increase the capacity of STP so as to treat more sewage generated in the municipality | 2019 | 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 mechanical work assigned to Irrigation dredger wing department have been allotted to successive bidder.LoA have been granted and agreement placed and site successfully handed over.Work have been commenced in contractor's yard regarding assembling the mechanical parts. | |
| Augmentation and Revamping of existing STP at Aluva Market and to increase the capacity of STP so as to treat more sewage generated in the 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, 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 construction of new market building has commenced on site, with piling work currently underway. Upon completion of the building, construction of the sewage treatment plant (STP) will begin. | |
| Installation of modern abattoirs | 2021 | 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. | **Vide letter LSGD/JD/EKM/9943/2024-PLG4 the slaughter house which was considered Hazardous category 1 set back of 7.5m is mandatory. But sufficient setback as aforementioned is not available. So feasible solution vide KMBR rule 3(4) is to get relaxation from Govt and further step regarding preparation of drawings to submit to PD office under progress. Letter have been intimated to Govt through joint director for obtaining relaxation for aforementioned KMBR rule after which the rejuvenation of slaughter house building will be carried forth.** | |
| **KALAMASSERY MUNICIPALITY** | | | | |
| Installation of common STP for Kalamassery Municipality and ETP at Municipal Market | 2019 | 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. | | |
| Installation of modern abattoirs including poultry and meat rendering plants (Industries Department for land allotment). | 2021 | There is no progress due to the lack of space. | | |
| **KOCHI CORPORATION** | | | | |
| Fencing of the river banks along the stretches of waste disposal (Edamula stretch) | 1-2 yrs | Fencing works have been included in the budget. Beautification works are being carried out using own funds. Almost everything has been completed. | All works have been completed and the remaining areas is under the jurisdiction of Eloor Municipality. | |
| Beautification of the river stretches (Edamula stretch) | | | All works has been completed and the remaining areas is under the jurisdiction of Eloor Municipality. | |
| **IRRIGATION DEPARTMENT** | | | | |

| RIVER PERIYAR | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **ALUVA MUNICIPALITY** | | | | |
| Maintaining of Minimum flow in river during lean period and periodical operation of Regulators at River in-order to maintain minimum flow. | 3 years | 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. | As part of water management, the shutters are being operated as required. A protocol for shutter operation has been prepared and submitted to the Chief Engineer for approval. Officials from the Pollution Control Board are sharing the Dissolved Oxygen (DO) levels in the official Whats App group formed for monitoring the operation of the RCBs. Upon review, it is observed that the DO level near Pathalam RCB is satisfactory. The shutter operation is being carried out in an efficient manner. | |
| Construction of walkway, ring roads etc at the Periyar River bank at industrial belt. | 4 years | 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. | The soil investigation work for the construction of the surveillance road and dyke wall on the right bank of the river, adjacent to the Eloor-Muppathadam Industrial Area, has been completed. Survey work is currently in progress by revenue department, with 730 meters completed out of the total 1.20 km. Plotting of the same is in progress. Survey work remains to be done for the remaining 470 meters. The Irrigation Design and Research Board (IDRB) has finalized the design of the dyke wall. However, the Detailed Project Report (DPR) can only be prepared once the survey work is completed for the entire stretch. | |

| RIVER PERIYAR | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **ALUVA MUNICIPALITY** | | | | |
| Identification of natural drains/thodu reaching river Periyar and cleaning of weeds, grasses etc | 2 years | Irrigation department | | **Minor Irrigation.**<br>23 canals have been cleaned in Eloor Municipality (2023-2024). This was a project of 2 crores. There are 40 canals in Karumalloor, 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.<br>**Major Irrigation**<br>The Eerezhachal Punchathodu site has been handed over to the contractor. Due to complaints from nearby residents regarding encroachment, the Assistant Executive Engineer has sent a letter to the Paravur Bhoorekha Tahsildar, and the Executive Engineer has written to the Hon'ble District Collector, Ernakulam, requesting boundary demarcation.<br>1.Kuthuthodu (IRR/IA/EST/8495/2022-5-8-7) - Rs. 74.40 lakh<br>This work, which includes desilting and side protection of Kuthuthodu, has not yet been sanctioned. However, only the desilting work has been approved under Operation Vahini 2025–26, and the work will commence shortly.<br>2. Edathodu (IRR/IA/EST/8495/2022-5-11-10)- Rs. 9/- lakh<br>There is no need to undertake this work, as it is already being executed under the leadership of the Grama Panchayath. |
| **INDUSTRIES DEPARTMENT** | | | | |
| Construction of internal roads and proper drainage in Edayar industrial estate | | 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. | | |
| **GROUNDWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | | | |
| Ground water recharging / rain water harvesting | | | | |
| Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps | | | | |

| RIVER PERIYAR | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **ALUVA MUNICIPALITY** | | | | |
| For regulating use of ground water for irrigation purpose, adopting good irrigation practices | | **No progress reported** | | |

| RIVER KADAMBRAYAR | | | | |
|---|---|---|---|---|
| IRRIGATION DEPARTMENT | | | | |
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, August 2025** | **Status as on August 2025** | **Remarks/ Alternate projects** |
| Desilting and development | 1 year | Second stage of water hyacinth removal will commence in October last - progress | Periodic cleaning work in Kadambrayar, from Manakkakadavu to Brahmapuram Bridge, is currently in progress (Progress – 70%).<br>The remaining works will be carried out in January 2026 | |
| Sheet piling and providing fencing | 1.5 years | Financial sanction not obtained for development package | This work is included in the Development Package and has not been approved yet.<br>The Irrigation Department sent a letter to the Tahsildars of Kanayannur and Kunnathunadu to demarcate the boundaries of the proposed area. The Tahsildar of Kanayannur responded, and based on that, a letter was given to the Village Officer of Kakkanad for further action. Also a request has been submitted again to Hon'ble District Collector Ernakulam vide letter No.D1-803/Chpkra/2023 dated 07.08.2025. Once the proposed area is fully demarcated, the estimate for the Development Package can be finalized and submitted. | |
| Development of river basin | 1.5 years | Financial sanction not obtained for development package | **Same as mentioned above (Sheet piling and providing fencing)** | |
| Flood plain zone management and E-flow maintaining | | | | |
| Development package Inspection bund for Chitrapuzha and Kadambrayar are included in this package. | 3 years | No Sanction obtained - Progress | **Same as mentioned above (Sheet piling and providing fencing)** | |

| | | | | |
|---|---|---|---|---|
| **KOCHI CORPORATION** | | | | |
| Provide proper facilities for restricting the seepage of leachate | | Presently composting plant not operational. New BSF plant started functioning and operating satisfactorily.<br>Leachate treatment plant proposal currently withdrawn. It will be proposed only of Corporation is implementing the windrow composting system | Presently composting plant not operational. BSF plant is operating satisfactorily. | |
| Solid waste treatment facility at Brahmapuram | | Kochi Corporation AXE informed that they have currently dropped the waste to energy plant project. | BSF plant is is operating satisfactorily.<br>CBG plant construction is in the final stage and will start functioning soon.<br>3 to 3.5 TPD biomedical wastes are collected and treated by KEIL,(Kerala Enviro Infrastructure Ltd) on a contract basis. Biomedical wastes are directly collected from the public by two authorized agencies namely Aravind Associates Private Limited and A4 Mercantile on a contract basis and the same is handed over to KEIL (Kerala Enviro Infrastructure Ltd). A quantity of 2101846.19 4 Kg bio-medical wastes are treated till this date and an amount of Rs.4,89,10,772/- was given to the contracted agency. (Quantity of waste collected for the month of July is 76923.60 Kg) | |
| **THRIKKAKARA MUNICIPALITY** | | | | |
| Slaughterhouse and poultry waste Rendering plant | | **No action taken due to land constraint.** | | |

| | | | | |
|---|---|---|---|---|
| Sanitation facility and treatment of wastewater in the markets<br>Treatment plant<br><br>Portable aerobic bins | 2020-2021 | Effluent treatment plant works are not completed. As a temporary solution, Municipality had made soak pit for discharging the effluent from the market. Committee had already asked explanation in this regard and the Municipality has not replied till date. | | |
| Provide facility for the treatment of sewage, sullage garbage generated<br><br>Proposed places for installation of Aerobins<br>Municipal office compound<br><br>NGO quarters<br><br>Kakkanad Market near Eechamukku TV Centre<br>Anganavadi | | The Municipality informed that the treatment facility installed. The committee had conducted inspection at Markey and noted that a storage tank is provided in the market. But, no treatment is being done. The wastewater discharged directly outside. | | |

| | | | | |
|---|---|---|---|---|
| Biodegradable waste management<br><br>Bio Composter - 2000 Nos<br>Thumboormuzhi aerobic bins - 4 Nos<br>Portable biogas - 1500 Nos<br>Ring compost - 500 Nos<br>Napkin destroyer - 6 Nos<br>Viability gap fund | | | | |
| Additional STP requirement<br>DPR Preparation in 6 months (through consultants)<br>To allot land, Government<br>Procedure are ongoing | 3 years | | | |
| Acquiring of land and rehabilitate families from the banks of River (Revenue Department also) | 5 years | Action will be taken after demarcation of boundaries. - Progress | | |
| Modern Solid Waste Treatment Plant | | | | |
| Rendering plant for slaughterhouse/ poultry | | **No action taken due to land constraints** | | |

| | | | | |
|---|---|---|---|---|
| Development of biodiversity parks in banks | **1st Phase 2020-21**<br><br>**2nd Phase 2021-22** | | | |

| RIVER CHITRAPUZHA | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, August 2025** | **Status as on August 2025** | **Remarks/ Alternate projects** |
| **IRRIGATION DEPARTMENT** | | | | |
| Periodical cleaning of Chitrapuzha | | Sanction not obtained for Kozhichira Bund too<br>Mamala Bridge cleaning purpose - progress not reported | A new proposal has been submitted for the periodic cleaning of the Chithrapuzha, from Mamala to the Champakkara Canal. A letter was also submitted to higher ups on 28.07.2025, requesting immediate sanction for the work, as per the instructions given in the last DLTC meeting (dated 08.07.2025). | |
| Cleaning of Konothupuzha (work Proposal already submitted by Minor Irrigation) | | Action initiated as per OA 237/2017 | | |

| | | | | |
|---|---|---|---|---|
| Provide inspection bund for Chitrapuzha | 3 years | No Progress reported | This work is included in the Development Package and has not been approved yet.<br>The Irrigation Department sent a letter to the Tahsildars of Kanayannur and Kunnathunadu to demarcate the boundaries of the proposed area. The Tahsildar of Kanayannur responded, and based on that, a letter was given to the Village Officer of Kakkanad for further action. Also a request has been submitted again to Hon'ble District Collector Ernakulam vide letter No.D1-803/Chpkra/2023 dated 07.08.2025. Once the proposed area is fully demarcated, the estimate for the Development Package can be finalized and submitted. | |
| **GROUNDWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | **No progress reported** | | |
| Ground water recharging / rain water harvesting | | | | |
| Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps | | | | |
| For regulating use of groundwater for irrigation purpose, adopting good irrigation practices | | | | |
| **KOCHI CORPORATION** | | | | |

| | | | | |
|---|---|---|---|---|
| Restricting seepage of leachate of plastic dumped in dumping yard | | | Periodical monitoring by Health squad is going on. About 628 notices had been issued and majority of cases were rectified so far. An amount of Rs.2,79,100/- for public littering , Rs.22,510/- for littering of waste in water bodies, Rs.34,780/- for littering of waste in public places, Rs.35,010/- for Disposal of septage at public places & water bodiesRs.3,000/- as fine for waste removal, Rs.15,010/- for waste mismanagement at establishments, shops etc, Rs.51,010/- is collected as eviction fine, Rs.72,590/- is collected as waste collection user fee, Rs.35,000/- is collected for using banned plastics (single use plastics), Rs.25,030/- is collected as fine for burning of waste at public places, and thus a total amount of Rs.5,38,040/-has been collected as fine for a period from 01/07/2025 to 31/07/2025. Thus a total fine of Rs. 1,78,84,993/- had been collected so far in this regard. 3 to 3.5 TPD biomedical wastes are collected and treated by KEIL,(Kerala Enviro Infrastructure Ltd) on a contract basis. Biomedical wastes are directly collected from the public by two authorized agencies namely Aravind Associates Private Limited and A4 Mercantile on a contract basis and the same | |

| | | | | |
|---|---|---|---|---|
| **Vadavucode - Puthencruz Panchayat** | | | | |
| Surveillance to restrict the dumping of wastes into the river and its branches | | | Periodical monitoring going on and Rs.5000 is imposed till the date. | |
| Sanitation survey | | **No progress reported** | 306 biogas &374 biobins distributed. | |
| **THRIKKAKARA MUNICIPALITY** | | | | |
| Sanitation survey | | **No new surveys were conducted** | | |
| Additional STP requirement (if needed) | | **KWA DPR preparation progressing** | **DPR for the 50 MLD STP which covers part of Thrikkakara municipality has been prepared . The work to be partly funded by NRCD and balance by KIIFB** | |
| **THripunithura MUNICIPALITY** | | | | |
| Identifying and closing of all unauthorized outlets into the stream joining the river | | Night squad collected fine Rs. 10,000/- (reported as per Aug, 2024) | Rs.45000 for outlet closing (01.01.2025 to 31.07.2025) | |
| Sanitation survey | | 89% completed (details) | 99.97% | |
| Additional STP requirement (if needed) | | **Procedure for handing over land progressing** | | **Project proposal for institutional level stp at thaluk hospital** |
| **GROUNDWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | | | |
| Ground water recharging / rain water harvesting | | | | |
| Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps | | | | |
| 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 -AUGUST 2025**

**Sampling point: VETTUKADAVU**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 29.8 | 30.2 |
| 2 | pH | | 6.6 | 6.8 |
| 3 | Conductivity | µS/cm | 99 | 76.42 |
| 4 | TDS | NTU | 57.32 | 44.23 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20 | 20 |
| 7 | SS | " | 10.8 | 12.4 |
| 8 | Chlorides | " | 13.9 | 12 |
| 9 | Hardness | " | 31 | 16 |
| 10 | D.O. | " | 7.1 | 7.0 |
| 11 | COD | " | 12.0 | 12.0 |
| 12 | Calcium | " | 9.2 | 4.8 |
| 13 | Magnesium | " | 1.9 | 0.972 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.2 | 0.114 |
| 17 | Hexa Chromium | " | 0.1 | 0.002 |
| 18 | Oil & Grease | " | 3.8 | 3.2 |
| 19 | Iron | " | 1.2 | 0.321 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 16.9 | 8.213 |
| 22 | Total Alkalinity | " | 0.9 | 0.326 |
| 23 | Nitrate | " | 0.6 | 32 |
| 24 | BOD | " | 1440 | 0.6 |
| 25 | TC | " | 860 | 400 |
| 26 | FC | " | 1200 | 240 |
| 27 | FS | " | 18 | 200 |
| 28 | Sodium | ppm | 1.3 | 1.2 |
| 29 | Potassium | ppm | 0.6 | 0.34 |
| 30 | SAR | meq/L | 0.1 | 0.13 |

* TURBIDITY METER IS OUT OF ORDER

## KERALA STATE POLLUTION CONTROL BOARD

### ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: PUTHALAM KADAVU**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 30.1 | 30.4 |
| 2 | pH | | 6.7 | 6.9 |
| 3 | Conductivity | µS/cm | 68 | 46.24 |
| 4 | TDS | NTU | 39.12 | 26.76 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20 | 20 |
| 7 | SS | " | 4.0 | 3.4 |
| 8 | Chlorides | " | 10.90 | 14 |
| 9 | Hardness | " | 16 | 16.00 |
| 10 | D.O. | " | 6.0 | 7.1 |
| 11 | COD | " | 8.0 | 24.0 |
| 12 | Calcium | " | 4.0 | 5.2 |
| 13 | Magnesium | " | 1.5 | 0.7 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.245 | 0.202 |
| 17 | Hexa Chromium | " | 0.068 | BDL |
| 18 | Oil & Grease | " | 2.8 | BDL |
| 19 | Iron | " | 1.108 | 0.402 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 3.13 | 2.812 |
| 22 | Total Alkalinity | " | 18 | 24.00 |
| 23 | Nitrate | " | 0.269 | 0.243 |
| 24 | BOD | " | 1.4 | 1.1 |
| 25 | TC | " | 100 | 240 |
| 26 | FC | " | 40 | 220 |
| 27 | FS | " | 720 | 120 |
| 28 | Sodium | ppm | 1.7 | 1.8 |
| 29 | Potassium | ppm | 0.61 | 0.58 |
| 30 | SAR | meq/L | 0.18 | 0.19 |

* TURBIDITY METER IS OUT OF ORDER

## KERALA STATE POLLUTION CONTROL BOARD

### ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: PATHALAM BUND U/S**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | B | B |
| 2 | pH | | U | U |
| 3 | Conductivity | µS/cm | N | N |
| 4 | TDS | NTU | D | D |
| 5 | Turbidity | mg/L | | |
| 6 | Colour | " | O | O |
| 7 | SS | " | P | P |
| 8 | Chlorides | " | E | E |
| 9 | Hardness | " | N | N |
| 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

## KERALA STATE POLLUTION CONTROL BOARD

### ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: PATHALAM BUND D/S**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 30.0 | 30.2 |
| 2 | pH | | 6.8 | 6.5 |
| 3 | Conductivity | µS/cm | 47 | 52.14 |
| 4 | TDS | NTU | 26.96 | 30.18 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20 | 20 |
| 7 | SS | " | 34.0 | 3.20 |
| 8 | Chlorides | " | 8.9 | 14 |
| 9 | Hardness | " | 14.00 | 12.00 |
| 10 | D.O. | " | 7.3 | 6.8 |
| 11 | COD | " | 20.0 | 28.0 |
| 12 | Calcium | " | 2.0 | 4 |
| 13 | Magnesium | " | 2.2 | 0.486 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.203 | 0.142 |
| 17 | Hexa Chromium | " | 0.061 | 0.003 |
| 18 | Oil & Grease | " | 12.4 | 1.02 |
| 19 | Iron | " | 0.742 | 0.352 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 4.22 | 6.162 |
| 22 | Total Alkalinity | " | 20 | 28.0 |
| 23 | Nitrate | " | 1.308 | 0.821 |
| 24 | BOD | " | 1.5 | 0.7 |
| 25 | TC | " | 2600 | 500 |
| 26 | FC | " | 200 | 300 |
| 27 | FS | " | 600 | 160 |
| 28 | Sodium | ppm | 0.96 | 0.94 |
| 29 | Potassium | ppm | 0.46 | 0.28 |
| 30 | SAR | meq/L | 0.11 | 0.12 |

* TURBIDITY METER IS OUT OF ORDER

**KERALA STATE POLLUTION CONTROL BOARD**

**ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR**

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: PATHALAM BRIDGE**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 29.9 | 31.2 |
| 2 | pH | | 6.8 | 7.2 |
| 3 | Conductivity | µS/cm | 39 | 50.12 |
| 4 | TDS | NTU | 22.59 | 29.01 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20 | 20 |
| 7 | SS | " | 4.4 | 6.4 |
| 8 | Chlorides | " | 8 | 16 |
| 9 | Hardness | " | 47 | 18.00 |
| 10 | D.O. | " | 6.9 | 6.9 |
| 11 | COD | " | 12.0 | 24.0 |
| 12 | Calcium | " | 3.2 | 6.0 |
| 13 | Magnesium | " | 9.5 | 0.7 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.198 | 0.186 |
| 17 | Hexa Chromium | " | 0.062 | 0.004 |
| 18 | Oil & Grease | " | 28.32 | 2.8 |
| 19 | Iron | " | 0.766 | 0.366 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 2.97 | 2.812 |
| 22 | Total Alkalinity | " | 0.699 | 0.446 |
| 23 | Nitrate | " | 0.4 | 0.76 |
| 24 | BOD | " | 1560 | 300 |
| 25 | TC | " | 1400 | 160 |
| 26 | FC | " | 1300 | 140 |
| 27 | FS | " | 16 | 28 |
| 28 | Sodium | ppm | 0.66 | 0.82 |
| 29 | Potassium | ppm | 0.61 | 0.44 |
| 30 | SAR | meq/L | 0.04 | 0.08 |

* TURBIDITY METER IS OUT OF ORDER

## KERALA STATE POLLUTION CONTROL BOARD

### ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: MANJUMMAL BUND**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 29.9 | 30.2 |
| 2 | pH | | 6.8 | 6.8 |
| 3 | Conductivity | µS/cm | 70.25 | 88.16 |
| 4 | TDS | NTU | 40.66 | 51.03 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20.0 | 20.0 |
| 7 | SS | " | 3.20 | 2.80 |
| 8 | Chlorides | " | 7.9 | 9 |
| 9 | Hardness | " | 15 | 10 |
| 10 | D.O. | " | 6.1 | 6.3 |
| 11 | COD | " | 24.0 | 12.0 |
| 12 | Calcium | " | 2.8 | 3.2 |
| 13 | Magnesium | " | 1.9 | 0.5 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.345 | 0.113 |
| 17 | Hexa Chromium | " | 0.072 | 0.002 |
| 18 | Oil & Grease | " | 1 | 2.4 |
| 19 | Iron | " | 1.351 | 0.411 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 8.59 | 4.013 |
| 22 | Total Alkalinity | " | 24.0 | 24.0 |
| 23 | Nitrate | " | 1.272 | 1 |
| 24 | BOD | " | 2.5 | 0.1 |
| 25 | TC | " | 240 | 320 |
| 26 | FC | " | 200 | 220 |
| 27 | FS | " | 700 | 80 |
| 28 | Sodium | ppm | 1.8 | 1.2 |
| 29 | Potassium | ppm | 0.62 | 0.54 |
| 30 | SAR | meq/L | 0.2 | 0.16 |

* TURBIDITY METER IS OUT OF ORDER

## KERALA STATE POLLUTION CONTROL BOARD

### ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR

**ANALYSIS REPORT OF RIVER PERIYAR -AUGUST 2025**

**Sampling point: ALUVA - MANAPPURAM**

| Sl. No | Parameter | Unit | 05.08.2025 | 25.08.2025 |
|---|---|---|---|---|
| 1 | Temperature | ºc | 29.8 | 31.2 |
| 2 | pH | | 6.6 | 6.88 |
| 3 | Conductivity | µS/cm | 55.61 | 52.82 |
| 4 | TDS | NTU | 32.19 | 30.57 |
| 5 | Turbidity | mg/L | * | * |
| 6 | Colour | " | 20 | 20 |
| 7 | SS | " | 53.2 | 6.8 |
| 8 | Chlorides | " | 8 | 9.93 |
| 9 | Hardness | " | 15.00 | 9 |
| 10 | D.O. | " | 6.6 | 6.9 |
| 11 | COD | " | 24 | 12 |
| 12 | Calcium | " | 2.4 | 2.4 |
| 13 | Magnesium | " | 2.187 | 0.729 |
| 14 | Ammoniacal Nitrogen | " | BDL | BDL |
| 15 | Free Ammonia | " | BDL | BDL |
| 16 | Phosphates | | 0.203 | 0.181 |
| 17 | Hexa Chromium | " | 0.081 | 0.006 |
| 18 | Oil & Grease | " | 0.36 | 0.88 |
| 19 | Iron | " | 1.112 | 0.368 |
| 20 | Sulphides | " | BDL | BDL |
| 21 | Sulphates | " | 3.59 | 5.212 |
| 22 | Total Alkalinity | " | 16.0 | 28.0 |
| 23 | Nitrate | " | 0.789 | 0.869 |
| 24 | BOD | " | 1 | 0.6 |
| 25 | TC | " | 80 | 280 |
| 26 | FC | " | 0 | 140 |
| 27 | FS | " | 200 | 180 |
| 28 | Sodium | ppm | 0.73 | 0.82 |
| 29 | Potassium | ppm | 0.44 | 0.44 |
| 30 | SAR | meq/L | 0.08 | 0.12 |

* TURBIDITY METER IS OUT OF ORDER

## Analysis report of polluted river stretches-R Periyar, R- Chithrapuzha,R-Kadambrayar, R-Chalakudy For the month of July 2025

| STNCode | Sampling Date | Sampling Time | StnName | Type Of Water Body | Name Of Water Body | River Basin |
|---|---|---|---|---|---|---|
| 17 | 08.07.2025 | 10:30 | Periyar at Eloor | River | Periyar River | |
| 1338 | 03.07.2025 | 10:16 | Periyar at SDP Aluva | River | Periyar River | |
| 2334 | 02.07.2025 | 11:20 | Periyar at Pathalam | River | Periyar River | |
| 2335 | 02.07.2025 | 12:20 | Periyar at Kalamassery | River | Periyar River | |
| 3468 | 03.07.2025 | 10:35 | Periyar at KWA Aluva | River | Periyar River | |
| 2337 | 11.07.2025 | 12:10 | Kadambrayar At Brahmapuram | River | Kadambrayar River | |
| 2338 | 11.07.2025 | 11:40 | Kadambrayar At Manackakadavu | River | Kadambrayar River | |
| 1573 | 11.07.2025 | 11:15 | Chithrapuzha At Irumpanam | River | Chithrapuzha River | |
| 1154 | 03.07.2025 | 12:00 | Chalakudy at Pulikkakadavu | River | Chalakudy River | |

| Sl. No. | Parameters | Values | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Station Code | | | | | | | | |
| | | 17 | 1338 | 2334 | 2335 | 3468 | 2337 | 2338 | 1573 | 1154 |
| 1 | Temperature, $^0$C | 27 | 28 | 26 | 27 | 28 | 29 | 29 | 29 | 29 |
| 2 | Dissolved Oxygen, mg/l | 7.7 | 7.8 | 7.7 | 5.8 | 7.4 | 1.8 | 2.8 | 1.3 | 6.6 |
| 3 | pH | 6.7 | 6.8 | 6.3 | 7.2 | 6.8 | 6.7 | 6.7 | 6.8 | 6.8 |
| 4 | Conductivity, µmhos/cm | 80 | 46 | 132 | 84 | 48 | 114 | 100 | 169 | 66 |
| 5 | BOD, mg/l | 1.7 | 2.3 | 1.2 | 2.4 | 1.5 | 4 | 3.8 | 4.2 | 0.4 |
| 6 | Nitrate-N, mg/l | 0.99 | 0.11 | BDL | BDL | BDL | 0.31 | 0.18 | 1.31 | BDL |
| 7 | Turbidity, NTU | 0.3 | 4.5 | 1.6 | 5.8 | 4.1 | 0.8 | 1 | BDL | 3.6 |
| 8 | Phenolphthalein alkalinity | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 9 | Total Alkalinity, as CaCO3 | 14 | 14 | 16 | 24 | 15 | 28 | 27 | 17.37 | 14 |
| 10 | Chloride, mg/l | 11.5 | 3.5 | 24.5 | 7.5 | 3.5 | 13 | 11 | 22 | 8 |
| 11 | COD, mg/l | 4.8 | 6.4 | 4 | 7.2 | 4.8 | 12 | 11.2 | 12.8 | 1.8 |
| 12 | TKN, mg/l | BDL | BDL | 0.04 | BDL | BDL | BDL | BDL | BDL | BDL |
| 13 | Ammoniacal-N, mg/l | BDL | BDL | 0.02 | BDL | BDL | BDL | BDL | BDL | BDL |
| 14 | Total Hardness, as CaCO3 mg/l | 22 | 11 | 16 | 21 | 14 | 28 | 24 | 37 | 17 |
| 15 | Calcium, as CaCO3 mg/l | 14 | 10 | 11 | 20 | 9 | 24 | 18 | 28 | 15 |
| 16 | Magnesium as CaCO3, mg/l | 8 | 1 | 5 | 1 | 5 | 4 | 6 | 9 | 2 |
| 17 | Sulphate, mg/l | BDL | BDL | BDL | BDL | BDL | 0.1 | BDL | 11.5 | BDL |
| 18 | Sodium, mg/l | 7.5 | 2.3 | 15.9 | 4.9 | 2.3 | 8.45 | 7.15 | 14.3 | 5.2 |
| 19 | Total Dissolved Solids, mg/l | 46 | 26 | 74 | 47 | 27 | 65 | 56 | 84.6 | 37 |
| 20 | Total Fixed Solids, mg/l | 37 | 21 | 59 | 38 | 22 | 52 | 45 | 68 | 30 |
| 21 | Total Suspended Solids, mg/l | 9 | 8 | 10 | 8 | 9 | 10 | 10 | 12 | 9 |
| 22 | Phosphate, mg/l | 0.41 | 0.36 | 0.72 | 0.38 | 0.38 | 0.35 | 0.37 | 0.64 | 0.41 |
| 23 | Boron, mg/l | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 24 | Potassium, mg/l | 1 | 1 | 4.20 | 1.8 | 1 | 1 | 1.1 | 4 | 1 |
| 25 | Fluoride, mg/l | 0.033 | 0.032 | 0.071 | 0.076 | 0.028 | 0.046 | 0.048 | 0.187 | 0.03 |
| 26 | Total Coliform, MPN/100 ml | 1500 | 1500 | 2400 | 2100 | 4100 | 2600 | 7900 | 4900 | 5400 |
| 27 | Feacal Coliform, MPN/100 ml | 1200 | 490 | 200 | 310 | 700 | 2200 | 5400 | 1200 | 790 |
| 28 | Feacal Streptococci, MPN/100ml | 220 | 40 | 120 | 40 | 79 | 260 | 310 | 350 | 140 |

# POLLUTED RIVER STRETCH MONITORING PROGRAM
# (AUGUST 2025)

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

| Sl.No | Determinant | Value |
|---|---|---|
| 1 | Temperature, $^0C$ | 27 |
| 2 | Dissolved Oxygen, mg/l | 5.6 |
| 3 | pH | 8.5 |
| 4 | Conductivity, µmhos/cm | 957 |
| 5 | BOD, mg/l | 1.5 |
| 6 | Nitrate-N, mg/l | 1 |
| 7 | Turbidity, NTU | BDL |
| 8 | Phenolphthalein Alkalinity, as $CaCO_3$ mg/l | 8 |
| 9 | Total Alkalinity, as $CaCO_3$ mg/l | 200 |
| 10 | Chloride, mg/l | 120 |
| 11 | COD, mg/l | 5 |
| 12 | TKN, mg/l | BDL |
| 13 | Ammoniacal-N, mg/l | BDL |
| 14 | Hardness, as $CaCO_3$ mg/l | 305 |
| 15 | Calcium, as $CaCO_3$ mg/l | 190 |
| 16 | Magnesium as $CaCO_3$, mg/l | 115 |
| 17 | Sulphate, mg/l | 95 |
| 18 | Calcium ($Ca^{2+}$), mg/l | 76 |
| 19 | Magnesium ($mg^{2+}$), mg/l | 28 |
| 20 | Sodium, mg/l | 69 |
| 21 | Total Dissolved Solids, mg/l | 550 |
| 22 | Total Fixed Solids, mg/l | 335 |
| 23 | Total Suspended Solids, mg/l | BDL |
| 24 | Phosphate, mg/l | 0.3 |
| 25 | Boron, mg/l | BDL |
| 26 | Potassium, mg/l | 15 |
| 27 | Fluoride, mg/l | 0.2 |
| 28 | Total Coliform, MPN/100 ml | 40000 |
| 29 | Fecal Coliform, MPN/100 ml | 32000 |
| 30 | Fecal streptococci , MPN/100 ml | 800 |
| 31 | % Sodium | 31.65 |
| 32 | SAR | 1.72 |

# POLLUTED RIVER STRETCH MONITORING PROGRAM
# (AUGUST 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) | 8/5/2025 | | | | | | | | | | | | |
| | | 1 | 0 | : | 0 | 5 | | | | | | | | |
| 3 | Weather | Cloudy | | | Clear √ | | | Windy | | | Raining | | | |
| 4 | Approximate depth of main stream | < 50 cm | | | 50 – 100 cm | | | >100 cm√ | | | Flood | | | |
| 5 | Color & Intensity | Clear √ | | | Turbid | | | Green | | | Brown | | | |
| | | 1 = Light | | | 2 = Moderate √ | | | 3 = High | | | | | | |
| 6 | Odour | None √ | | | Fishy | | | $H_2S$ | | | Other | | | |
| 7 | Floating Matter | Floating Algae | | | Floating sludge | | | Oil & Grease | | | Water Hyacinth | | | |
| 8 | Visible effluent discharges in proximity | Industrial | | | Municipal sewage √ | | | None | | | | | | |
| 9 | Human activities around the station | Cattle wading √ | | | Tourism spot | | | Fishing | Bathing √ | | Other | | | |
| 10 | Location details | U/s of town or industrial area √ | | | D/s of town or industrial area | | | Pilgrim center/Bathing Ghat/Water intake√ | | | None | | | |
| 11 | Flow rate | $m^3/s$ | | | | | | | | | | | | |
| 12 | Major polluting source | Industrial effluent | | | MSW √ | | PW | None | | | Other | | | |
| 13 | Uses of water in downstream | Irrigation | | | Drinking water source √ | | | | Fishing | | Domestic | | | |
| | | Organized water source | | | | | Cultivation | Bathing Ghat | | | Others | | | |

| Sl.No | Determinant | Value |
|---|---|---|
| 1 | Temperature, $^0C$ | 27 |
| 2 | Dissolved Oxygen, mg/l | 5 |
| 3 | pH | 8 |
| 4 | Conductivity, µmhos/cm | 515 |
| 5 | BOD, mg/l | 1 |
| 6 | Nitrate-N, mg/l | 0.6 |
| 7 | Turbidity, NTU | BDL |
| 8 | Phenolphthalein Alkalinity, as $CaCO_3$ mg/l | 2 |
| 9 | Total Alkalinity, as $CaCO_3$ mg/l | 96 |
| 10 | Chloride, mg/l | 85 |
| 11 | COD, mg/l | 4 |
| 12 | TKN, mg/l | BDL |
| 13 | Ammoniacal-N, mg/l | BDL |
| 14 | Hardness, as $CaCO_3$ mg/l | 130 |
| 15 | Calcium, as $CaCO_3$ mg/l | 85 |
| 16 | Magnesium as $CaCO_3$, mg/l | 45 |
| 17 | Sulphate, mg/l | 40 |
| 18 | Calcium ($Ca^{2+}$), mg/l | 34 |
| 19 | Magnesium ($mg^{2+}$), mg/l | 11 |
| 20 | Sodium, mg/l | 49 |
| 21 | Total Dissolved Solids, mg/l | 300 |
| 22 | Total Fixed Solids, mg/l | 180 |
| 23 | Total Suspended Solids, mg/l | BDL |
| 24 | Phosphate, mg/l | 0.2 |
| 25 | Boron, mg/l | BDL |
| 26 | Potassium, mg/l | 4 |
| 27 | Fluoride, mg/l | 0.2 |
| 28 | Total Coliform, MPN/100 ml | 40000 |
| 29 | Fecal Coliform, MPN/100 ml | 32000 |
| 30 | Fecal streptococci , MPN/100 ml | 900 |
| 31 | % Sodium | 44.10 |
| 32 | SAR | 1.87 |

| RIVER KADALUNDI | | | | |
|---|---|---|---|---|
| **MALAPPURAM MUNICIPALITY** | | | | |
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **KADALUNDI** | | | | |
| Slaughterhouse and Poultry house | 2025 | Fund Requested - progress | | |
| Sanitation facility and treatment of waste water in the markets - Treatment plant | | New Building Construction Process - progress | | |
| Identification and monitoring of illegal activities CCTV Network installation | 2026 | **progress** | | |
| **GROUNWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | **No action included in the approved action plan to be performed by Ground Water Department** | | |
| Ground water recharging / rain water harvesting | | | | |
| Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps | | | | |
| For regulating use of ground water for irrigation purpose, adopting good irrigation practices | | | | |

| RIVER TIRUR | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/Alternate projects** |
| **TIRUR MUNICIPALITY** | | | | |
| Establishment of Solid waste Treatment Plant ThumboorMuzhi Model Aerobic Bin | 2020 | 20% | | |
| Establishment of Non Degradable waste treatment Plant Resource Recovery facility Centre Plastic Shredding Unit Segregation shed | 2020 | DPR under preparation | | |
| Installation of CCTV Camera near the river Bank Thalakkadathur Bridge | 2020 | Tendering Stage | | |
| Planting of Bamboo seedlings on the river bank (Thazhepalam) | 2020 | Ongoing | | |

| | | | | |
|---|---|---|---|---|
| Setting up of a new drain after demolishing the old one. The old one was the hub of the waste water outlet of the shops and other establishments. The proposed drain is constructing in the middle of the road so as to avoid intrusion of pipes from outside | **2020** | **Not started** | | |
| **IRRIGATION DEPARTMENT** | | | | |

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|---|---|---|---|---|
| Repair and Rehabilitation of Koottayi Regulator cum Bridge across Thirur-Ponnani Puzha in Mangalam Grama panchayatin Malappuram Dist | 18 months | More damages to the Apron and river bed has seen at site and work can't be continued using existing original estimate. Also Cracks on girders and settlement of 4 piers towards right bank has seen on 18/11/2023. So the work can be continued only after addressing the present issues. So while preparing the estimate based on the study report from KERI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29/11/2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team. A Technical committee has been formed as per order number GO No.488/2024/WRD dated 28-06-2024. Technical committee team visited the site on 08.08.2024. As per the suggestion from technical committee,hydrographic survey conducted and drawings submitted to technical expert committee.Based on the meeting minutes of the Technical Expert Committee, DPR of 18.10 crores of the recast estimate (IRR/IA/EST/7734/2024_5_1_1) has been submitted to CE, I&A on 31.05.2025. The project can be resumed only if the recast estimate is approved and the work is tendered anew.. | Civil Work stand still due to issues in site. | More damages to the Apron and river bed has seen at site and work can't be continued using existing original estimate. Also Cracks on girders and settlement of 4 piers towards right bank has seen on 18/11/2023. So the work can be continued only after addressing the present issues. So while preparing the estimate based on the study report from KERI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29/11/2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team. A Technical committee has been formed as per order number GO No.488/2024/WRD dated 28-06-2024. Technical committee team visited the site on 08.08.2024. As per the suggestion from technical committee,hydrographic survey conducted and drawings submitted to technical expert committee. Based on the meeting minutes of the Technical Expert Committee, DPR of 18.10crores of the recast estimate (IRR/IA/EST/7734/2024_5_1_1) has been submitted to CE, I&A on 31.05.2025. The project can be resumed only if the recast estimate is approved and the work is tendered anew.. |

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| **GROUNDWATER DEPARTMENT** | | | | |
| Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks | | **No action included in the approved action plan to be performed by Ground Water Department** | | |
| Ground water recharging / rain water harvesting | | | | |
| Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps | | | | |
| For regulating use of ground water for irrigation purpose, adopting good irrigation practices | | | | |
| **VETTOM - KS SECURITY SYSTEMS** | | | | |
| Installation of CCTV camera on Yetterikadavu Kunjuli Kadavu Mangattiri Bridge, Aikkanchiri Bridge, Paravanna Bridge | | Project for installation of cctv camera with high specification is decided to include 2024 25 annual projects - progress | | |

## NGT Progress Report for the Month of July 2025

### Irrigation North Circle, Kozhikode

| Sl.No | Name of River and works | FS Amount and No | AS Amount and No. | TS Amount and No | Present status | Remarks |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| ***KALLAI RIVER*** | | | | | | |
| 1 | Desilting of Kallai river from Kadappini to Kothi in Kozhikode Corporation . | | Resolution No.90 dated 15/2/2021, 64 dated 30/12/2021 and 67 dated 2/7/2024 of Kozhikode Municipal corporation for Rs.1297.704lakhs | ID/Kkd/2021-2022/2018/4170/IA dated 7/3/2022 of CE I&A for Rs. 790 Lakhs | site hand over on 12/09/2024 | Dredging work completed10% .(Work halted due to Off season) |
| 2 | Providing chain linked fencing on both sides of Ibrahim bridge across Ibrahim thode of Kallai river in Kozhikode Corporation. | | | | DPR Submitted for FS | DPR amounting to 2.52 lakhs submitted to CE, I&A, Tvm vide this office letter No. DS-NGT/1429/2019 Vol. III Dtd.29-07-2023 |
| 3 | Providing fencing on Mooriyad road bridge at Kozhikode Corporation | | AS/59D/23/33744 dated 04/03/2024 of CE I&A Tvm 16.09 lakhs | IRR/IA/EST_TS/26/2023 _5_1_1 dated 29/05/2024 13 lakhs | Work completed | (Work completed 100%) |
| 4 | GENERAL-Providing chain linked fencing at kallai River-Both sides of Kothi Bridge in Kozhikode Corporation, -General Civil Work | | AS/59D/23/33130 dated 07/02/2024 28.3 lakhs | IRR/IA/EST_TS/8928/2022_5_1_1 dated 24/04/2024 28.3 lakhs | site hand over on 22/08/2024 | Work completed 100% |
| ***KUTTIYADI RIVER*** | | | | | | |
| 1 | Providing chain linked fencing on both sides of Gulikapuzha bridge across Kuttiyadi river in Velom Panchayath. | | AS/59D/23/33132 dated 07/02/2024 24.6 lakhs | IRR/IA/EST_TS/8978/2022_5_1_1 dated 11/03/2024 24.2 lakhs | Work completed | Work completed on 8/11/2024 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ***UPPALA RIVER*** | | | | | | |
| 1 | Tying of net on both sides of the bridge - Rejuvenation work of Uppala river- providing fencing on both sides of Uppala NH bridge in Mangalpady Gramapanchayath of Kasaragod district | | | | | As the proposed NH upgradation works are going on and these works are to be carried out along with the bridges which are part of the NH, it would not be desirable to carry these works now. A letter has been sent from Irrigation division Kasargode to the Project Director,Project Implementation unit, NHAI Kannur for including fencing on both sides of bridges across uppala river which are under construction as part of NH66 widening |
| **Tirur-Ponnanippuzha** | | | | | | |
| 1 | General - NGT-Rejuvenation of polluted rivers - Tirur - Ponnanippuzha - General civil work | | Rs. 30.10 Lakhs AS No. AS/590/22/25906 dtd: 29/03/2023 of CE, I&A, Tvm RS 30.10 Lakhs | Rs. 30.10 Lakhs TS No. IRR/IA/EST_TS/4907/2022_5_1_1 dtd: 18/04/2023 of EE, Irrigation Division, Malappuram,30.10 Lakhs | Work completed. Physical progress - 100% | Work completed bill paid(Rs 2984168/-Including GST) |
| 2 | RKI-Repair and Rehabilitation of Koottayi Regulator cum bridge across Tirur -Ponnani puzha in Mangalam Gramapanchayath in Malappuram District | | Rs. 230 Lakhs. G.O(RI)No 122/2020/P &EA TVM, Dated.03/03/2020 Rs.230 Lakhs. | Rs. 230 Lakhs. TS No. IDMpm/2020-2021/2016/2656/IA dated.19/05/2020 of SE, INC, KKD,Rs.230 Lakhs. | Work got stuck due to conditions at site | Cracks on girders and settlement of 4 piers towards right bank has seen on 18/11/2023. So the work can be continued only after addressing the present issues. So while preparing the estimate based on the study report from KRRI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29/11/2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team to find a solution for the existing issues. It is assigned Kerala State Highway Research Institute to study and recommend remedial solution for the existing issues. KRRI Deputy Director conducted preliminary visit on 23/05/2024 .A technical committee has been formed as per GO No. 488/2024/WRD dated 28/06/2024. Technical committee team inspected site on 8.8.2024. They suggested to conduct the hydrographic survey.Hydrographic survey team visited the site on 31.08.2024 to prepare the estimate.AS obtained for Rs.1,34,662/- for hydrographic survey.They completed the survey work. The Hydrographic chart,reduced level chart and cad files submitted by hydrographic survey wing are submitted to CE I & A,TVM.Technical Committee meeting conducted on 18/12/24 and 10/01/25 . Based on the meeting minutes of the Technical Expert committee,DPR of 18.10 crores of the revised Estimate has been submitted to CE I & A TVM on 24/03/2025. |

| | | | | | | |
|---|---|---|---|---|---|---|
| B | RAMAPURAM RIVER | | | | | |
| 1 | Rejuvenation of Ramapuram River-Providing fencing on Ramapuram bridge across Ramapuram river in Madayi Panchayath. | | AS/59D/23/33743 dated 04/03/2024 19.00 lakhs | | AS obtained | AS obtained as per Order No.AS/59D/23/33743 dtd 04.03.2024. NOC received from KSTP on 9/1/2025 and TS issued on 7.02.2025 vide order No.IRR/IA/EST_TS/1805/2023_5_2_1. Agreement executed. Site handed over on29/03/2025.Letter sent to the contractor on 14.07.2025 for the completion of the work at the earliest.Reminder -1 sent to the contractor on 30/7/25. |

Superintending Engineer

# ACTION PLAN FOR RIVER KALLAYI , KERALA

## Kerala State Pollution Control Board,District Office,Kozhikode

## NATIONAL MISSION FOR CLEAN GANGA

**Format for submission of monthly progress report by state/UTs**

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

**the month of AUGUST 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<br>● Specifying accountability of nodal authorities not below the secretary level<br>● Chief secretaries may have an accountable Person attached in their office for this purpose | | |
| | ● Monitoring at the state level must take place | | |

| | | | |
|---|---|---|---|
| 5 | Progress report may be furnished by the state/UTs to<br>● Secretary,ministry of Jal Shakti<br>● Member secretary,CPCB | | |
| 5.1 | Progress report may be comprised of details along with completion timeline on:<br><br>**(i)** Identification of polluting source including drains contributing to river pollution and action as per NGT order on in situ treatment.<br><br>(ii) <u>status of STPs,I&D and sewage networks</u> Details of Existing Infrastructure,Gap Analysis,Proposed along with completion timeline<br><br>(iii) <u>status of CETPs</u><br><br>Details of existing CETP and ETP infrastructure,Gap analysis,proposed along with completion timeline,No.of industries and complying status.<br><br>(iv) <u>status of solid waste management&details of processing facilities</u><br><br>Details of existing infrastructure,Gap analysis proposed along with completion timeline<br><br>(v) Latest water quality of polluted river,its tributaries,drains with flow details and ground water quality in the catchment of polluted river;<br><br>(vi) preventing dumping of waste and scientific waste management including bio-medical waste plastic waste and decentralizing waste processing,including waste | | |

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

# KOZHIKODE CORPORATION

| No. | Activity | Implementing agency | Time line | Progress in the month of JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 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)<br><br>(6 MLD At Kothi bridge)&( 7 MLD At Avikkal | Kozhikode Corporation | 31.03.2020 | | | .<br>Project dropped due to Public protest and court cases.. | Project dropped | |

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 11 | Installation of CCTV Camera for the Identification and monitoring of illegal activities | Kozhikode Corporation | | | | On going | | On going |
| 12 | Establishment of Mobile Septage Units | Kozhikode Corporation | 31.03.2020 | | | Project dropped | | Project dropped |
| 13 | Action taken against dumping of wastes into river and public places | Kozhikode Corporation | On going action | | | Continuing random inspections and imposing fine regularly | Continuing random inspections and imposing fine regularly | Continuous |
| 14 | Cleaning of B.K canal | Kozhikode Corporation | 31.03.2020 | | | Completed | 100% | |
| 15 | Establishment of treatment plant at Medical college (3MLD plant)<br><br>15.1-2 MLD plant proposed<br><br>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<br><br>17.1 Njeliyanparamb<br>17.2 Industrial estate<br>17.3 Mayor Bhavan jayanthi nagar colony | Kozhikode Corporation | | | | 3.MRFand 5.MCFare already existing.<br>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 MAY 2025 | Progress in the month of JUNE 2025 | Progress in the month of JULY 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. | | |

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|---|---|---|---|---|---|---|---|
| | 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 JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 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 JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 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 JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 2025 | % Works Completed | Details Of Remaining |
|---|---|---|---|---|---|---|---|---|
| 1 | Collection of plastic waste from the river | Olavanna Gramapanchayat | Continuous process | | | Completed | Completed | |
| 2 | Collection of segregation of solid waste in the river | Olavanna Gramapanchayat | Continuous process | | | Completed | Completed | |
| 3 | Cleaning of Mambuzha river | Olavanna Gramapanchayat | Continuous process | | | Completed | Completed | Completed |
| 4 | Well recharge | Olavanna Gramapanchayat through MGNREGS | 4/2023 To 3/2024 | | | Completed | 100% | |
| 5 | Setting up of soak pit in houses | Olavanna Gramapanchayat through MGNREGS | 4/2022 To 3/2024 | | | Completed | 100% | |
| 6 | Action taken against dumping of waste in to river | Olavanna Gramapanchayat | Continuous process | | | Process continuing | 100% | Completed |
| 7 | Collection of non-biodegradable waste | Harith karma sena | Throughout the year | | | Process continuing | Process continuing | Continuous |

# IRRIGATION DEPARTMENT

| No | Activity | Implementing Agency | Timeline | Progress in the month of JUNE 2024 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 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 %(Work halted due to off season) | | | 10% | |
| 2 | Provide fencing on the sides of the Bridge | Irrigation department | 31.03.2021 | SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed) | | | | |
| 3 | Dredging , Desilting & removal of weeds from E K canal ( 11.21 km) | Irrigation department | 31.07.2019 | Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL) | | | | |
| 4 | Bio park in Kozhikode District | Irrigation department | | Land for the proposed bio park is to be demarcated by the Revenue authorities after necessary boundary survey and subsequent bio cover works are to be done by the Social Forestry Department | | | | |
| 5 | Flood prone mapping in Kozhikode District | Irrigation department | | Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills | | | | |

# Kerala State Pollution Control Board

| No. (as per Action Plan | Activity | Implementing agency | Time line | Progress in the month of JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 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<br><br>Interval: Red– 1 month.<br><br>Orange–3months. Green–6months. | | | Process continuing | | |

# Suchitwa Mission

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

# Action plan by irrigation Department

| No. (as per Action Plan) | Activity | Implementing agency | Time line | Progress in the month of JUNE 2025 | Progress in the month of JULY 2025 | Progress in the month of AUGUST 2025 | % works completed | Details of works remaining |
|---|---|---|---|---|---|---|---|---|
| E | Dredging and desilting | Irrigation Department | 3 years | | | Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started, Work Completed 10 %(Work halted due to off season) | 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 |

| KALLAYI | | | | |
|---|---|---|---|---|
| **Action Plan Points** | **Timeline as per Original Action Plan** | **As per MPR, May 2025** | **Status as on August 2025** | **Remarks/ Alternate Projects** |
| **KOZHIKODE CORPORATION** | | | | |
| Setting up of common STP of (13 MLD)<br>7.1 At Kothi - 6 MLD STP proposed<br>7.2 At Avikkal - 7 MLD STP proposed | 2020 | These two projects were dropped due to public protest and court cases. | The ULB has executed agreement with the KCCL & AIPPL - JV on 21.05.2025 to execute a 15 MLD at West Hill Industrial Estate, in the DBOT mode. The DPR submitted by the contractor is to be placed in the next SLTC/SHPSC of AMRUT-2.0 for approval of AS. The next SLTC is scheduled on 27.08.2025 | Instead of 2 STPs (6 MLD at Kothi & 7 MLD at Avikkal) the ULB decided to construct a single STP of 15 MLD at West Hill Industrial Estate for covering the same areas. Hence instead of the Kothi & Avikkal STPs, the West Hill Industrial Estate STP can be shown in the MPR. |
| Purchasing of Solar Boat for Canoli canal cleaning | 2020 | Project dropped | | |
| Establishment of Mobile Septage Units | 2020 | Project dropped | | |
| | | | | |
| Establishment of Plastic shredding unit | | Project started | | |
| Establishment of slaughtering unit | | Project under consideration | | |
| **KSIDC** | | | | |
| Waste to energy project proposed at Njeliyamparamba | 2021 | Project dropped | | |
| **IRRIGATION DEPARTMENT** | | | | |
| Desilting of Kallayi river from Kaduppini to Kothi in Kozhikode Corporation | | Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started ,Work Completed 10% | | |

| | | | | |
|---|---|---|---|---|
| Provide fencing on the sides of the Bridge | 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) | Work 100% completed | Bill paid |
| Dredging, Desilting & removal of weeds from E K Canal (11.2 km) | 2019 | Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL) | DPR for “Canal City Project “ under preparation | |
| Bio Park in Kozhikode District | | 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 | | |
| Flood Prone Mapping in Kozhikode District | | Action to be taken by the Hydrology Wing of Irrigation Department as this needs data collection, scientific analysis and modelling skills | | |
| E-flow (by micro water shed management) | 3 years | Action 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 | | |
| Greenery development (plant in tree on the banks) | 3 years | Not reported | | |

| SUCHITWA MISSION | | | | |
|---|---|---|---|---|
| Provide facility for MRF,RRF, Super MRF 3 units existing<br>19.1 Njeliyanparamb<br>19.2 Industrial estate<br>19.3 Meyor bhavanjayanthinagar colony | | 3.MRF and 5.MCF are already existing. New project going on. | | |
| Board displaying messages against dumping to be placed in river banks | | Process continuing | | |

# KERALA STATE POLLUTION CONTROL BOARD

REGIONAL OFFICE, KOZHIKODE

LIFE

CALICUT 3/9/25

## ANALYSIS REPORT OF RIVER WATER

| | | | |
|---|---|---|---|
| **Report No.** | K R O S 5 7 1 1 / 1 to 5 | **Date:** | 3 0 0 8 2 0 2 5 |
| Date of Sample Collection | 0 3 0 8 2 0 2 5 | Date of receipt of the sample | 0 3 0 8 2 0 2 5 |
| | | Time | Hours: 0 4 : 0 0 PM |
| Sampled by: | RL ,KKD | Sample ID | KL1, KL2, KL3, KL5,& KL6 |
| Sampling Method | APHA1060B,a | Sample Lab Code | KROS :5711/1-5 |
| Sample container | PC 2.5 L | Ref.letter No. | PCB/KLD/DO Polluted River Stretch/2018 Vol. IV Dated 05.08.2019 |
| Source: | KALLAI RIVER WATER | Received from: | EE,DO,KKD |
| | | Period of analysis: | 03.08.2025-30.08.2025 |
| Specific sampling location: | KALLAI POLLUTED RIVER STRETCH | No. of samples | 5 |
| | | Analysed by: | SNS/NSS/PVH/MT/AKR |
| Sample preservation: | Ice box | Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22nd Ed.) | |

| Sl no | Parameters | unit | Method No. | SAMPLE ID | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | KL 1 | KL 2 | KL 3 | KL 5 | KL 6 |
| 1 | pH | - | APHA 4500-H+,B | 6.94 | 6.92 | 6.89 | 6.99 | 7.1 |
| 2 | CONDUCTIVITY | µmhos/cm | APHA 2510B | 175.9 | 211 | 301 | 333 | 8560 |
| 3 | BOD | mg/L | IS3025 (Part 44) | 1.2 | 0.8 | 1 | 1.2 | 1.2 |
| 4 | DISSOLVED OXYGEN | mg/L | APHA 4500-O,C | 3.3 | 3.5 | 3.4 | 2 | 3.3 |
| 5 | TOTAL COLIFORM, | CFU/100ml | APHA 9222B | 40000 | 60000 | 50000 | 240000 | 220000 |
| 6 | FECAL COLIFORM | CFU/100ml | APHA 9222D | 30000 | 20000 | 40000 | 120000 | 140000 |
| 7 | FECAL STREPTOCOCCUS | CFU/100ml | APHA 9230 C | 260 | 520 | 380 | 340 | 160 |
| 8 | TEMPERATURE | °C | APHA 2550B | 28 | 28 | 27 | 27 | 27 |

Test method variation : None

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

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

Scientist in charge

| RIVER UPPALA | | | |
|---|---|---|---|
| **Activity** | **Implementing agency** | **Time line** | **Progress** |
| | | | |
| Material collection facility. Operation | Mangalpady Grama Panchayath | 2019 | |
| Waste management including purchase of vehicle tocollect waste | Mangalpady Grama Panchayath | 2019-2020 | |
| Installation of camera | Mangalpady Grama Panchayath | March 2020 | |
| | | | |
| | | | |
| | | | |
| Tying of net on both sides of the bridge | Project Director,Project Implementation Unit,NHAI, Kannur | | 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. |