

KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram – 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004



KSPCB/314/2025-CEE

Date: 18.03.2026

From

The Member Secretary

To

The Secretary

Ministry of Jal Shakthi,

Department of Water Resources, River

Development & Ganga Rejuvenation,

Shram Shakti Bhawan, Rafi Marg,

New Delhi- 110001

Sub:-Forwarding Monthly Progress Report for the month of January 2026 -reg.

Ref:-.Order of the Hon'ble NGT in the matter of O.A.No.673/2018

Sir,

Kind attention is invited to the subject matter. The matter is reported for kind information. As per CPCB report on water quality 2022, 11 polluted river stretches were deleted and 8 new stretches were added and hence the number of polluted river stretches is currently 18. The report prepared in revised format with respect to the progress in implementation of action plan of polluted river stretches, for the month of January 2026 is submitted herewith. As per the CPCB report on “Polluted River Stretches for Restoration of Water Quality, 2025”, a total of 32 polluted river stretches/locations have been identified in the State of Kerala. Further remedial actions are under progress.

Yours faithfully,

MEMBER SECRETARY

Encl: As above

National Mission for Clean Ganga
Monthly Progress Report for the month of January 2026 in the NGT
Matter OA No. 673 of 2018 (in compliance to NGT order dated
24.09.2020)

For the State of Kerala

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately:

As per Census 2011, Kerala has a population of 3,37,77,386. Rural population in Kerala is 2,58,40,501 and urban population in the state is 79,36,885. Population projected for 2026 is 3,60,05,329. The water consumption and wastewater generated are calculated based on the population projected for 2026.

• **Estimated Sewage Generation(MLD):**

Based on population projected for 2026, the estimated sewage and sullage generation is as given below:

- Estimated Sewage and Sullage generation in Urban area - 1031.94 MLD

Sewage = 309.582 MLD

Sullage = 722.358 MLD

- Estimated Sewage and Sullage generation in Rural area - 3010.99 MLD

Sewage = 903.297 MLD

Sullage = 2107.693 MLD

Total Sewage and Sullage generation - 4042.93 MLD

• **Details of Sewage Treatment Plant:**

- Existing no. of major STPs/CSTPs: 27 (common STPs and other STPs) and 4 common FSTPs and **2231** number of individual STPs
- No. of functional common STPs in the state: 15
- No. of functional common septage treatment plants in the state: 4
- Total sewage treatment capacity in the state through existing major STPs *: =138.41 MLD (Urban area = **129.705** MLD rural=**8.705** MLD)
- Other functional STPs : 3 Nos (0.22 MLD)
- Total septage treatment capacity in the state through existing common FSTPs: 0.22 MLD
- Sewage treatment capacity via individual STPs in establishments = **101.316 MLD**
- In Kerala, individual houses have septic tank/ soak pits existing for toilets attached to them.
- Gap in treatment of sewage in terms of sewage treatment plant = **78.121 MLD** (Urban)
* Increase in gap is because the population is projected for 2026*

General Action Completed

In Kerala, 48% is highland (>75 m altitude); 41.76% midland (7.5-75m) and 10.24% is low land (<7.5 m) (<https://kerenvis.nic.in>). Kerala has a rural-urban continuous settlement pattern. In Kerala, flats are less compared to individual households which are having septic tank/soak pit existing for toilets attached to them.

Kerala was declared the first 100% open defecation-free (ODF) state in India on November 1, 2016. Onsite sanitation is practiced in the majority of places, where septic tank, soak pit are provided. Septic tank, soak pit are already specified in CPHEEO manual and IS codes are available for their specification. In the thickly populated/ urbanized low land areas, action is taken to divert the sewage into common sewerage system/ retrofitting measures based on local condition.

Actions being taken in compliance with various Original Applications before the Hon'ble National Green Tribunal.

- NEERI, Nagpur furnished a proposal for the feasibility study on the development of process package of treatment of domestic sewage for meeting the environmental compliance at Edappally canal and Perandoor canal at Ernakulam and Pallikalar at Kollam district for an amount of Rs 45 lakhs and this proposal was approved by the Board and draft MOU has been signed. As per terms of payment in MoU, 1st installment of Rs 26,55,000/- including GST(Rupees Twenty Six Lakh Fifty Five Thousand Only) is released to the account of CSIR NEERI, Nagpur, Maharashtra. The scientists from NEERI conducted site inspection and monitored different canals/drains in Kochi and Kollam and submitted draft final report on 24.09.2025. Report is under modification.
- Action is also taken for the rejuvenation of Amayizhinajanthodu, Ulloorthodu, Pattomthodu in Karamana catchment. As per the meeting chaired by Chief Secretary on 05.09.2023. A sanitation survey on the drains reaching AkkulamVelilake and its watershed was done by Socio Economic Unit Foundation (SEUF). Along the buffer distance of 100 metre from each banks of Amayizhanchan thodu, Pattom thodu and Ulloor thodu, the assets mapped and the problem areas were identified and action plan was prepared. Based on major observations, instruction issued to TVPM corporation and KWA. A stake holder meeting was held with Trivandrum corporation, PCB, KWA, Irrigation Department and SEUF survey team
- In Kollam district, Manichithodu and Thoppilkadav are stretches where major pollution was reported. Sanitation survey was conducted and the problem areas were identified. Action plan based on sanitation survey findings were shared to stakeholder departments.

Condition Assessment and Management Plan for the Periyar River Basin

Stakeholder Advisory (SAC) committee of the project CAMP for six river basins was convened by MoJS on 31.05.2024 and Periyar was one among the six river basins. The objective of the studies and management plan shall be to restore and maintain wholesomeness of the river ecosystem, improvement of ecological health, enabling rivers to perform its functions and to make the rivers Samarth supported on 5 pillars. – Unpolluted River Flow (Nirmal Dhara), Continuous River

Flow (Aviral Dhara), River Conservation Synchronized Development, Connecting People and River Science & Management.

Earlier, in case of Ganga river basin, Ganga River Basin Management Plan (GRBMP) was prepared by the consortium of 7 IITs with IIT Kanpur as the lead partner. The centre for Ganga River Basin Management and studies (cGanga) has been established at IIT Kanpur to advise and providing continual scientific support to the Government for implementation and dynamic evolution of the Plan.

Similar methodology has been proposed for Periyar river basin by the consortium of IIT Palakkad and NIT Calicut with IIT Palakkad as lead institute.

Integrated Web Portal

A unified web portal for implementation and monitoring of various activities related to Board. The key objective of the web portal includes analysis of water quality data from the National Water Monitoring Program, State Water Monitoring Program, Spatial mapping of all monitoring points and display of designated best use water, quality criteria-wise classes, Air Quality Index calculation, generation of Air & Water quality directory, Status of different solid and liquid waste treatment facilities in the State, Data of Industrial and Non-Industrial activities including Category, type, scale etc.

Common STPs

Sl. No	STP location	Urban/ Rural	STP Installed capacity	Utilization	Status
THIRUVANANTHAPURAM					
1	Common Sewage Treatment Plant, Muttathara, Trivandrum maintained by Kerala Water Authority (Co Processing facility for septage)	Urban	107 MLD (Activated Sludge Process) With 500 KLD Co-treatment	80 MLD	•Operational (pH-6.9, TSS-18.0 mg/L, BOD- 8.3 mg/L, COD-20 mg/L, Oil and grease-BDL, Faecal Coliform- 7000 MPN/100 ml as per analysis report dated 16.01.2026).
PATHANAMTHITTA					
2	Sewage Treatment Plant at Sannidhanam (5MLD) Maintained by Travancore Devaswom Board	Rural	5 MLD(UASB and SBR)	3.5 MLD	•Operational (pH – 7.9, BOD – 32 mg/l, Total Suspended Solids - 74 mg/l, TDS - 610 mg/l, oil & grease - 61.1 mg/l, Faecal Coliform - Absent , as per analysis report dated 01.01.2026 after disinfection).
3	Sewage Treatment Plant at Pamba (3.5 MLD) maintained by Travancore Devaswom Board	Rural	3.5 MLD (Coagulation & settling)	3.5 MLD	•Operational (pH-7.9, BOD- 144 mg/l, COD- 201 mg/L, Total Suspended Solids - 55 mg/l, Faecal Coliform - Absent , as per analysis report dated 01.01.2026 before chlorination). •Action is being taken for preventing its exceedance.

ALAPPUZHA					
4	DEWATS system, Chathanad (For 50 houses in slum area)	Urban	25 KLD (Anaerobic Baffle Reactor)	0.025 MLD	Operational (pH – 7, BOD – 22.256 mg/l, SS – 11 mg/l, Oil and grease BDL as per the analysis report dated 08.08.2025)
KOTTAYAM					
5	STP for Houseboat (0.09 MLD)at Kumarakom maintained by DTPC, Kottayam	Rural	0.09 MLD (Activated Sludge Process)	0.09 MLD	Operational (pH- 7.5, BOD – 11.2 mg/l, SS - 14 mg/l, Oil & Grease-BDL as per the analysis report dated 26.11.2025). The quality of effluent conforming to standards.
ERNAKULAM					
6	STP owned by Greater Cochin Development Authority, Marine drive, Kochi	Urban	0.9 MLD (Activated Sludge Process)	0.9 MLD	Operational. Analysis report dated 23.12.2025 (pH-7.05, TSS- 63.6 mg/l, phosphates- 4.7 mg/l, ammoniacal nitrogen- 32.34 mg/l, BOD-36 mg/l, COD- 92 mg/l, oil & grease- BDL, Total Nitrogen – 38.193 mg/l , Nitrite as Nitrogen – 0.021 mg/l , Nitrates as Nitrogen – 0.540 mg/l , total Kjeldahl nitrogen- 37.632 mg/l), Faecal Coliform – 48000 cfu/100ml
7	STP at Elamkulam, Kochi (AMRUT)	Urban	5 MLD (MBBR) with Co treatment 50 KLD	4 MLD	- STP completed & operational. - Co-treatment unit: concreting of tank completed & plastering works is ongoing -expected to be completed by 30.10.2025 - Analysis report dated 03.12.2025 (pH-7.41, TSS-16.6 mg/l, ammonia as nitrogen- 2.94 mg/l, Free ammonia - 0.053 mg/l,BOD-1.2 mg/l, COD- 24 mg/l, oil & grease- BDL, Nitrates as Nitrogen - 4.515 mg/l , Nitrite as Nitrogen - 0.295 mg/l , total Kjeldahl nitrogen- 5.88 mg/l, Total Nitrogen - 10.69 mg/l, Faecal coliform - 1240 cfu/100ml
8	STP owned by GCDA, International Stadium Kaloor	Urban	0.75 MLD (Activated Sludge Process)	0.05 MLD	- Operational. - Analysis report dated 11.12.2024 (pH-7.51, TSS-21.5 mg/l, BOD-4.6 mg/l, oil & grease- 5 mg/l).
IDUKKI					
9	Sewage treatment Plant at Comfort station, Adimaly Grama Panchayat,	Rural	0.01 MLD		- STP was not working. - Show Cause Notice issued on 05.02.2024 - Inspection conducted on

	Idukki				15.07.2024 & direction will be issued
10	60 KLD STP at Taluk Hospital Adimaly, Adimaly Block Panchayat, Idukki	Rural	0.06 MLD		Operational MBBR Operational. (pH-7.2, BOD-12.6 mg/l, COD -36 mg/l, Suspended solids-17.1 mg/l, Oil and grease-BDL as per Analysis report dated 03.02.2026)
THRISSUR					
11	Sewage treatment Plant at Guruvayur, Thrissur District	Urban	3 MLD (Activated Sludge Process)	0.5MLD	•Operational. (pH-7.65, BOD-6.4 mg/l, COD -160 mg/l, Suspended solids-1.76 mg/l, Oil and grease- 0.56 mg/l, Faecal coliform- NIL as per Analysis report dated 29.10.2025)
12	Revamping of 35 KLD STP at Kuriyanchira Slaughter House Corporation, Thrissur	Rural	0.035 MLD (MBBR)	0.035 MLD	Operational (pH – 7, BOD – 165.6 mg/l, COD – 524 mg/l, SS – 0.63 mg/l, oil & grease – 15.2 as per the analysis report dated 02.09.2024) Action is being taken for preventing exceedance.
KANNUR					
13	Sewage treatment Plant at Taliparambu (0.5MLD) Taliparamba Municipality, Kannur	Urban	0.5 MLD (Activated Sludge Process)	0.5MLD	• Operational. •pH -6.52, TSS - 33 mg/l, COD-8 mg/l, BOD - 4 mg/l, Oil and Grease- 0.1 mg/l as per the analysis report dated 17.10.2025
14	STP at Padannappalam	Urban	1 MLD	0.3 MLD	Operational Rotating Media Bio Reactor •pH -7.48, TSS - 19 mg/l, BOD-16 mg/l, COD - 30.2 mg/l; Oil and Grease- 0.44 mg/l as per the analysis report dated 17.10.2025
15	STP at old age home Kannur	Rural	0.010	0.010	MBBR (Operational) •pH -7.38, TSS – 24 mg/l, BOD – 25 mg/l, COD – 40 mg/l; Oil and Grease- 0.8 mg/l, as per the analysis report dated 01.11.2025
Total Capacity = 126.88 MLD (Urban : 118.175 MLD, Rural : 8.705)					

Institutional STPs

Sl. No.	STP location	Urban/ Rural	STP Installed capacity	Utilization	Status
THIRUVANANTHAPURAM					
1	STP at Medical College, Thiruvananthapuram- Phase I & II (PRS)	Urban	5MLD (MBBR)	3 MLD	Operational (pH-3.0, TSS-8.0 mg/L, BOD- 0.9 mg/L, Bio – assay Test – 100% fish died within 1 hour, COD- 40 mg/L, oil and grease-0.7 mg/L,

					Total Coliform – NIL, FC – NIL as per analysis report dated 16.01.2026). The matter is being followed up.
ALAPPUZHA					
2	STP at General Hospital	Urban	0.24 MLD	0.1 MLD	Electro coagulation. (Ph – 7.3, BOD – 2.8 mg/l, COD – 10 mg/l, SS – 10 mg/l, Total Phosphorous – 0.043 mg/l, Faecal Coliform – NIL, Total Nitrogen – 22.507 mg/l, Oil and grease – BDL as per the analysis report on 09.10.2025)
ERNAKULAM					
3	STP at Kalamassery, Market, Kalamassery Municipality (PRS)	Urban	0.01 MLD		Started operating
THRISSUR					
4	STP at General Hospital, Thrissur (AMRUT-1.0)	Urban	0.36 MLD	0.2 MLD	pH – 4.6, BOD – 2.4 mg/l, COD – 12 mg/l, SS – 6.1 mg/l, Total Nitrogen – 2.8 mg/l, Total Phosphorous – BDL, Oil and grease – 0.37 mg/l, Faecal Coliform – NIL as per the analysis report on 15.01.2026)
MALAPPURAM					
5	STP at Municipal Bus Stand, Tirur (PRS)	Urban	0.05 MLD (Biological)	Working	Operational (Ph – 6.5, BOD – 19 mg/l, COD – 80 mg/l, TSS – 56 mg/l, Oil and grease – BDL as per the analysis report on 23.05.2025)
6	Sewage treatment Plant at Malappuram Municipal Bus stand	Urban	0.03 MLD (MBBR)	0.03 MLD	Project proposal for maintenance work have been approved. ICE issued to the unit vide consent No.KSPCB/MA/ICE/10022893/2024 dated 24/01/2024 valid till 24/02/2024
KOZHIKODE					
7	STP at Kozhikode Medical College.	Urban	2 MLD Old plant.	Working	Operational. According to analysis report on 28.01.2026 the following values were observed. pH -8, TSS-BDL, Total Residual Chlorine - Nil, COD- 104 mg/l, Oil and Grease-BDL, BOD-29.87 mg/l, Ammoniacal – N 53.31 mg/l and Nitrate -2.93 mg/l
8	STP at Kozhikode Medical College.	Urban	2 MLD With 100 KLD Co-treatment Facility	Commissioned on 05.10.2023	Operational According to analysis report on 28.01.2026 the following values were observed. pH -8, TSS-71.2 mg/l, Total Residual Chlorine – Nil, COD- 280 mg/l, Oil and Grease- BDL, BOD-30.67 mg/l, Ammoniacal – N 109.756 mg/l

					and Nitrate – 1.035 mg/l
9	STP at Kozhikode Medical College.	Urban	1 MLD	0.1 MLD	Operational According to analysis report on 28.01.2026 the following values were observed. pH -7.5, TSS- BDL, Total Residual Chlorine - Nil, COD- 168 mg/l, Oil and Grease- BDL, BOD-70.27 mg/l, Ammoniacal – N 88.502 mg/l and Nitrate -0.702 mg/l
10	STP at Kozhikode Medical College	Urban	0.5 MLD		Operational According to analysis report on 28.01.2026 the following values were observed. pH -10, Total Residual Chlorine - NIL, TSS- BDL, COD- 40 mg/l, Oil and Grease- BDL , BOD-4.07 mg/l, Ammoniacal - N 8.598 mg/l and Nitrate - N-1.439 mg/l
11	Common Sewage Treatment Plant at Narayana nagaram, near stadium, Vatakara, Opp. New bus stand	Urban	0.1 MLD		Due to non compliance with respect to Water Act, 1974 Show cause Notice issued on 27.02.2025.
WAYANAD					
12	Sewage Treatment Plant at Taluk Hospital, Sulthan Bathery	Urban	0.14 MLD (MBBR)	0.05 MLD	Operational pH -7.29, TSS – 19 mg/l, BOD – 5.4 mg/l, Bio assay – 100% survival, FC – Nil as per the analysis report dated 17.10.2025
TOTAL = 11.53 MLD					

ETPs/CETPs

Sl. No.	STP location	Urban/ Rural	STP Installed capacity	Utilization	Status
IDUKKI					
1	Construction of 6 KLD ETP for Kumali Slaughter House Kumali GP, Idukki	Rural	0.006 MLD		• Slaughter house is not functioning.
MALAPPURAM					
2	Effluent treatment Plant at Tirur (fish market)	Urban	0.45 MLD (Biological)		Operational Ph- 5.9, BOD – 4.4 mg/l, COD – 16 mg/l, TSS – 58 mg/l, Oil & Grease – BDL as per analysis report dated 15.05.2025. Action is being taken for preventing its exceedance.
3	ETP in Fish Market, Ponnundam GP , Malappuram	Rural	0.01MLD (Anaerobic)	Plant is working.	The unit has submitted for ICE. STP file has been returned for clarification.
Total Capacity = 0.466 MLD					

FSTP

Sl. No.	STP location	STP Installed capacity	Utilization	Status
ERNAKULAM				
1	Septage Treatment Plant at Brahmapuram, Kochi Corporation, Ernakulam	0.1MLD (MBBR)	0.1 MLD	pH- 6.53 mg/L, BOD- 3 mg/L, COD- 24 mg/L, Oil and Grease-BDL, Total Suspended Solids – BDL, Phosphate – BDL, Nitrate- 1.44 mg/l, Sulphates – 11.89 mg/l, Sulphides – 2.67 mg/l, Ammoniacal Nitrogen – 1.06 mg/l, Phenolic Compounds - BDL, Faecal coliform –35 cfu/ 100 ml, Faecal Streptococci-38 cfu/ 100 ml as per analysis report dated 04.12.2025
2	Septage Treatment Plant at Wellington Island, Kochi Corporation	0.1MLD(MBBR)	0.1 MLD	Not working properly. Site visit done by KSPCB on 18.01.2024. Consent refusal intention notice issued.
THRISSUR				
3	FSTP at Mattampuram	0.01MLD (Biological)	Started functioning	pH – 7.25, BOD – 7 mg/l, COD – 44 mg/l, SS – 0.09, Oil & Grease – 0.02 mg/l, Ammoniacal Nitrogen – Nil, Total Nitrogen – 35.37 mg/l, Total Phosphorus – 0.63 mg/l, Faecal Coliform – Nil as per analysis report dated 11.11.2024
WAYANAD				
4	FSTP at Kalpetta	0.01MLD(Biological)	0.01 MLD	Operational pH – 7.49, TSS –8.2 mg/l, BOD – 7.58 mg/l, Oil and Grease- 6.32 mg/l as per the analysis report dated 31.05.2025
Total Capacity = 0.22 MLD				

Other operational STPs

Sl. No.	STP location	STP Installed capacity	Status
PALAKKAD			
1	FSTP at Yakkara, Palakkad Municipality (AMRUT-1.0)	0.1 MLD	Functional
KANNUR			
2	STP at Palayad, Taliparamba Municipality, Kannur	0.1 MLD	Functional
3	STP for Convention Centre, Pinarayi Grama Panchayath, Kannur	0.02 MLD	Functional
TOTAL = 0.22 MLD			

Details of under construction of major ETPs / STPs in the State

No.	Location	Implementing Agency	Capacity of the plant in MLD	Physical Progress in %	Present Status	Timeline of Completion
THIRUVANANTHAPURAM						
1	FSTP at Varkala Municipality, Thiruvananthapuram (IMPACT KERALA Ltd)	IMPACT Kerala Ltd.	50 KLD FSTP	AE Work Awarded	• Work awarded after DBO tender. Design being vetted by Anna University. Work on going on site. • Contractor has to submit MS FRP design drawings. • Contractor submitted design drawings on 07.02.2025, placed before Technical Committee & the committee approved the same. • Foundation work completed. Receiving chamber wall concrete completed. • Office building superstructure works in progress. • Structural framework and chamber construction are ongoing • 75% completed. Treated water disposal location need to be finalized by LB. Power connection process ongoing.	31.03.2026
2	ETP 10 KLD Capacity, Nedumangad Municipality, Thiruvananthapuram		0.01		Completed. Consent application under process.	
KOLLAM						
3	STP at Kureepuzha, Kollam (AMRUT-1.0)	Kerala Water Authority/ AMRUT	12	94%	STP (AMRUT-1.0): Physical progress - 94%. Finishing work of the admin building finishing in progress. Sewer Network & Connections (AMRUT-2.0): Vacuum Sewer Network: The DPR agency engaged by the ULB is preparing the DPR. Iron Bridge Sewer Network: TS to be revised by KWA as per the DSR-2021 and the work is to be tendered.	STP: 28.02.2026 FSTP: 31.03.2026 Sewer Network: Vacuum Sewer Network – DPR is expected to be submitted by 31.03.2026. Iron Bridge Sewer Network

						expected to be tendered by 31.03.2026
4	STP at Chitumala Old Age Home. Chitumala BP, Kollam		0.015	98%	A trial run was conducted, and leakage from the tank was identified. A meeting with the Director (LWM), SM, LB, and the agency was held on 24.12.2025, where issues arising in the plant were discussed. The agency was directed to submit a revised estimate and details regarding the way forward. Revised estimate from IRTC to be submitted.	
5	190 KLD STP at Pathanapuram Market and Shopping Mall		0.190	38%	O&G trap and manhole construction completed. Currently the DPR is under revision based on DSR 2021. DPR under verification. Council decision pending for selection of new agency. Need to select new agency for remaining STP construction.	
6	STP at Mayyanad GP, Kollam	IMPACT KERALA Ltd	590KLD Co-treatment	Work Awarded	70 % completed. GP not willing to bear O&M expenses citing lack of funds. Requested government intervention. Treated water disposal location and KSEB formalities need to be need to be finalized by LB.	31.03.2026
ALAPPUZHA						
7	FSTP at Cherthala Municipality , Alappuzha	IMPACT KERALA Ltd	250 KLD Septage TP	99%	Cherthala FSTP plant inaugurated on 28.03.2025. Trial run kept on hold due to sludge management issues.	
IDUKKI						
8	FSTP at Munnar, Idukki		50 KLD	5%	5% work completed. Due to a court case, work stopped temporarily District Collector Idukki has submitted report to Government for re-assigning the land to Munnar GP. Work stopped due to court case	Stalled
KOCHI						
9	STP at Ambedkar Colony, Div-16, Edakochi South (AMRUT-1.0)	Kochi Corporation/ AMRUT	1.1	77%	Work in progress.	31.03.2026
10	STP at RAY Flats, Fort Kochi, Kochi Corporation (AMRUT-2.0)	Kochi Corporation	0.105	77%	Work in progress.	31.03.2026
THRISSUR						

11	Viyyoor central jail STP (Thrissur)		0.05	65%	Partial commissioning of E1, E2, F, G1, G2 NETWORK connection completed on 22/12/2025. A revised estimate for the same has been prepared. After partial commissioning, while assessing one month's performance of the STP, it is found that the current processing capacity of the STP is about 30 KLD. If blocks C and D are connected (Except blocks A,B and the kitchen), the waste water treatment capacity will reach the current design capacity (50KLD). So A new estimate will have to be prepared for the completion of the block A ,B and the kitchen., .Fund for the same has to be deposited by Viyyur Central Jail Authorities.	30.05.2026
12	Kunnumkulam, Thrissur		0.01		Ready for commissioning	Ready for commencing
13	STP at CHC Cherpu BP, Thrissur		0.01	90%	Plant construction completed. Final bill is to be submitted by LB. The revised estimate has been prepared, received and is currently under verification by Suchitwa Mission.	
14	STP at Community Health Centre Pazhayannoor Block Panchayath ,Thirssur		45 KLD	1%	Construction of collection pit and base slab of equalization tank had been completed.Construction of equalization tank side wall is going on.	30.04.2026
PALAKKAD						
15	STP at Ottappalam Municipality, Palakkad District	IMPACT KERALA Ltd	1.50 ML D Co-treatment	Work Awarded	STP construction -60% completed. Sewer network design finalised using vacuum sewer technology.PWD NoC need to be obtained.	30.06.2026
MALAPPURAM						
16	STP at Pambad Housing Colony Malappuram Municipality, Malappuram		0.110	99%	Mechanical work pending due to electrical connection problem. ULB requested to KSEB.	
17	STP at District Hospital, Tirur, Malappuram		0.5	10%	Work Ongoing- Structure work completed	
18	Eco Friendly waste water Treatment plant 10 KLD in vettam		0.01	95%	Electrification work on going. Packaged STP units placed.	

	Community Health centre , Tirur BP					
KOZHIKODE						
19	Waste water treatment plant at Kuttiyadi government taluk hospital, Kozhikode		0.080	98%	Physical work completed. Electrical work pending	
KANNUR						
20	Sewage Treatment Plant 20 KLD at Shopping Complex cum multiplex Theatre, Kallumutti, Irutti Payam, Grama Panchayath1, Kannur		0.02	2%	Work order issued on 26-06-2025. Agreement executed on 16.07.2025. PCB sanction received. Intimated contractor to submit design for the work as per PCB approved parameters. Work awarded, agreement executed and design under scrutiny.	30.06.2026
21	FSTP at Chelora, Kannur Corporation (AMRUT-1.0)	Kannur Corporation/ AMRUT	100 KLD	99%	Electrical connection work to be completed and trial run to be done.	28.02.2026
WAYANAD						
22	Construction of 45 KLD waste water treatment plant at Kalpetta Government Ayurveda Hospital DP , Wayanad		0.045	65%	District panchayat Wayanad terminated existing agency M/S Ram biological confirmed implementation of projects. Remaining works to be tendered after the spillover. The process flow is not approved. The procedure for risk and cost shall be initiated. LB shall get approval for the estimate for risk and balance work from Suchitwa Mission. Risk and cost details to be submitted.	

Details of proposed STP/STPs with co-treatment facility in the State

No.	Location	Implementing Agency	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ Tendered/ Work Awarded)	Status of Project (in Detail)	Likely Date of Completion of DPR Preparation/ Tendering
THIRUVANANTHAPURAM						

1	STP at Rajaji Nagar, Thiruvananthapuram Corporation	Thiruvananthapuram Corporation	0.5	Work Awarded	STP:The contractor has requested for price escalation (29%). The ULB is likely to reject the same and retender the work. Way forward is to be decided by the ULB regarding the STP construction. Temporary Shed: Work has not been started since the STP construction has not been confirmed. Sewer Network: Expected to be tendered along with the STP.	STP: Expected to be tendered again by 28.02.2026 Sewage Network: Expected to be tendered by 28.02.2026
KOLLAM						
2	CHC Sooranadu, Sasthancotta Block Panchayath, Kollam	Suchitwa mission	0.028	At Tendering Stage	DPC Revisions needed for including sbm khosh fund	
3	Waste water Treatment (90 KLD) System for coastal housing and Tsunmai resettlement facility at karikuzhi, mayyanad Grama Panchayath , Kollam		0.09	At DPR Stage	Physical progress – 57% Thanni, Valiyavila & Dhawalakuzhy - Above ground tanks wall concrete completed and network line and manhole installation in progress. Thanni - Office building concrete work completed, plastering work completed. Raw sewage tank concrete work completed. Valiyavila - Office building concrete work & plastering completed. Raw sewage tank concrete work in progress. Dhawalakuzhy – Raw sewage tank excavation work in progress. Transferred to KIIFB	
ALAPPUZHA						
4	STP with Septage Cotreatment Capability at Alissery, Alappuzha Municipality (AMRUT-2.0)	Kerala Water Authority	5	AS Issued	Three bidders participated in the tender. As the bidders were disqualified, action is being taken to retender the work.	Expected to be retendered by 31.03.2026
5	STP at Bhajanamadom Colony, Alappuzha Municipality (AMRUT-2.0)	Alappuzha Municipality	0.012	DPR Stage	The decision on cancellation of the work is to be taken by the new Council.	Cancelled
6	STP at private bus station, Kothayikkunnu, Thodupuzha municipality Idukki	Suchitwa mission	0.03		Work ongoing.	
ERNAKULAM						
7	4 STPs are coming up under the KMRL's Integrated Water transport System project at	KWA	105	DPR Stage	Revised AS for the 50 MLD STP at Muttar and 55 MLD STP at Elamkulam and associated network to be obtained from KIIFB	31.09.2026
	Elamkulam (17.5 MLD) revised to 55 MLD					
	Vennala (24MLD) clubbed with Elamkulam					

	Muttar (16.5 MLD) revised to 50MLD					
	Perandur (19 MLD) clubbed with Muttar					
8	STP with Septage Cotreatment Capability at Elamkulam, Kochi Corporation	Kerala Water Authority	5	To be Tendere d	STP: There is no response from the bidder regarding agreement execution. Hence, the work is likely to be tendered again by KWA after revising the TS as per DSR-2021 Sewer Network: The bids received for the 27.74 km package are under scrutiny. The TS for the 12.5 km package was issued on 21/01/26 and the work is to be tendered.	STP: Expected to be awarded by 30.04.2026. Sewer Network: One package is expected to be awarded by 31.03.2026 and the other package is expected to be tendered by 31.03.2026
9	CHC Kadayiruppu, Vadavucode Block Panchayat, Ernakulam	Suchitwa mission	0.025	DPR Stage	Agency has to resubmit the DPR after the correction. LB may be instructed to arrange	31.08.2026
THRISSUR						
10	5 MLD Decentralized Sewerage Scheme (STP at Kokkala), Thrissur Corporation (AMRUT-2.0)	Thrissur Corporation	5	DPR Stage To be tendered:	The ULB has submitted the draft DBOT tender/EoI document to the CE, LSGD on 23/01/26 for vetting.	Expected to be tendered by 28.02.2026
11	Pazhayanoor STP (Thrissur)	KWA	0.45 KLD	Work awarded	Earthwork excavation for the collection pit, equalization tank, and MBBR tank completed. PCC work for the collection pit, equalization tank, and MBBR tank completed. RCC work for the collection pit completed. Steel reinforcement works for the equalization tank are in progress.	31.12.2026
12	STP at Ottuppara Market, Wadakkanchery Municipality, Trissur (IMPACT KERALA Ltd) (PRS)	IMPACT KERALA Ltd	18KLD STP		Included in market project. TS stage	30.06.2026
13	STP at Athani market, Wadakkanchery Municipality, Trissur(PRS) (IMPACT KERALA Ltd)	IMPACT KERALA Ltd	13.9 KLD STP		Included in market project. TS stage	30.06.2026
14	Augmentation of existing 3 MLD STP at Chakkamkandam to 5 MLD with Septage Cotreatment Capability, Guruvayur Municipality (AMRUT-2.0)	Kerala Water Authority	2	DPR stage AS to be issued:	The latest DPR prepared by KWA is expected to be placed in the Council scheduled for 03/02/26 for approval.	DPR expected to be finalized by 28.02.2026
15	General Hospital, Irinjalakuda Municipality, Thrissur (PRS)		0.150	TS received	Awaiting Fund assurance	DPR expected to be 31.12.2026

PALAKKAD						
16	STP for Municipal Buildings, Palakkad Municipality (AMRUT-2.0)	Palakkad Municipality	0.030	DPR Stage	The Special Council held on 02/08/25 approved the issuance of LoA to L2 and the LoA was issued on 21/08/25. The DPR is being prepared by the DBOT contractor. The DPR is to be submitted by the DBOT contractor.	DPR is expected to be submitted by 28.02.2026
17	Construction sewage treatment plant in Alathur taluk hospital, at Palakkad		0.005		Land constraints- Need to revise the DPR.	
MALAPPURAM						
18	Sewage Treatment Plant and Sewerage System for Ponnani Municipality (Harbour Zone)	Kerala Water Authority	7.12		Resolution not obtained.	
19	Sewerage system for Ponnani municipality(Kottathara Zone) with STP of capacity 4.2 MLD	Kerala Water Authority	4.2		DPR Submitted to Government of Kerala and RKI for AS on 20.10.2022. LGSD has put up proposal for a convention centre at the land earmarked for STP. Hence, resolution not obtained.	
20	Eco-Friendly wastewater Treatment Plant (140 KLD) for Women and Children Hospital Ponnani Municipality, Malappuram	Suchitwa mission	0.14	Tendering stage	Total fund deposited to KWA by the LB. Work yet to start. Land finalized.NIT under preparation. PCB and CRZ clearance required and it is initiated by Ponnani Municipality. Hence, resolution not obtained. LoA issued to Evatec Engineers and Contractors Pvt Ltd on 03.11.2025. Agreement executed on 26-12-2025. Consent to Establish to be obtained from PCB.	
KOZHIKODE						
21	STP with Septage Cotreatment Capability at Sarovaram, Kozhikode Corporation	Kerala Water Authority	27	Tendered	The Secretary, Kozhikode Corporation, informed (letter dated 30/01/26) that the Council held on 28/01/26 has decided to cancel 2 water body rejuvenation works (both not started) and to use the funds available (₹1.30 Cr.) to meet a portion of the ULB's share of the tender excess. The Secretary has also requested that the balance ULB share of the tender excess (₹11.455 Cr.) be met from other Govt. schemes, and that permission be granted to KWA to execute the agreement. The matter is to be placed in the SLTC/SHPSC for taking an appropriate decision.	Expected to be tendered again by 31.03.2026
22	Sewerage System for Zone-A (STP at West Hill Industrial Estate), Kozhikode Corporation (AMRUT-2.0, alternative project for Avikkalathodu& Kothi sewerage	Kozhikode Corporation	15	DPR Stage To be started:	STP: The AS was issued via Govt. Order (No.2787) dated 10.11.2025. Technical approval and KCZMA's consent are to be obtained for starting the work. The project details are to be submitted by the ULB to the CE, LSGD for placement in the Technical	STP: Expected to be started by 28.02.2026 Sewer Network: Expected to

	projects)				Committee for technical approval. Consent to Establish dated 28.11.2025 has been issued by the KSPCB and the application for KCZMA's consent is to be submitted by the ULB. ULB has submitted the application to KCZMA on 16/12/25 for the CRZ clearance. The Kerala SIDCO Ltd.has objected the construction of the STP in the West Hill Industrial Estate. The work can be started after obtaining the CRZ clearance and after the resolution of the issue with SIDCO. Sewer Network: Agreement with Nasit Infrastructure Pvt. Ltd is to be renewed by the ULB after the MCC expires. The contractor has completed the survey works and the revised design is expected to be submitted by Dec 2025. The revised design is to be submitted by the contractor. The contractor (Nasit Infrastructure) has completed the survey works for the sewer network package-1 and the design is to be submitted. Tender to be floated by the ULB for the sewer network package-2.	be started by 28.02.2026
23	Construction of 7ML D capacity Sewage Treatment Plant and Laying Sewerage Network to Vatakara Municipality, Kozhikode	Kerala Water Authority	7ML D	DPR stage	DPR Submitted to Govt and RKI for AS on 14/02/2023. Land not available.	30.04.2026
24	Kozhikkode corporation Zone F	Kerala Water Authority	4 MLD	DPR stage	Submitted to Govt and RKI for AS on 29.09.2022. Land not available.	30.06.2026
25	STP at Vadakara Municipality, Kozhikkode	IMPACT KERALA Ltd	0.5 MLD Sewage TP 20KLD FSTP 20KLD	DPR stage	Narayana nagaram – Land was 'Nanja'. Permission received vide G.O(MS)No.88/2024/AGRI dated 13.08.2024 received from Agriculture (NCA) Department regarding land conversion. Under KIIFB appraisal. Under DPR preparation. KIIFB appraisal comments recieved. DPR being corrected	Land Issue. Land Conversion process ongoing
26	30 KLD Sewage Treatment Plant at EMS Memorial Municipal Town Hall, Koyilandy Municipality, Kozhikkode	Kerala Water Authority	0.03	Tendering Stage	Work awarded to Evatec Engineers and Contractors Pvt Ltd. On 03-11- 2025. Agreement executed on 26- 12-2025. Consent to establish obtained from PCB.	25.12.2026
KANNUR						
27	STP with Septage Cotreatment Capability at Maithanappally, Kannur Corporation (AMRUT-2.0)	Kerala Water Authority	5	AS Issued To be retendered:	The request submitted by the ULB to execute the project on their own instead of KWA was placed in the SLTC/SHPSC. As directed by the SLTC held on 08/10/25, the CE, LSGD	Expected to be tendered again by 28.02.2026

					submitted a report regarding the tender process followed by the ULB. The same was placed in the SHPSC held on 27/10/25 and the committee decided that the ULB shall execute the project through KWA since the tender process followed by the ULB for executing the project in the DBOT mode is flawed and hence the tender shall be cancelled. The decision on handing over the work back to KWA and on retendering are to be taken by the new Council.	
28	STP at hospital, Pazhayangadi, Kannur	Kerala Water Authority	0.120		At tendering stage. Project vetting completed. Agency submitted a rough cost estimate for electrical components TS issued. Requested for Urban Agglomeration fund for the project, It is not confirmed yet. GP is facing fund shortage. Around 70 L needed to start the project	31.12.2026
29	DPR for perumba fish market Payyanur Municipality, Kannur	Kerala Water Authority	0.01	Work tendered	Bidder did not execute agreement, work retendered with due date as on 27.2.26	
30	150 KLD Sewage Treatment Plant - Mattannur Municipality		0.2		TS issued 06-11-2025. Tendering process ongoing.	
WAYANAD						
31	65 KLD Sewage Treatment Plant at Taluk Head Quarters Hospital Vythiri, Kalpetta Block Panchayat, Wayanad	Suchitwa mission	0.065	At DPR Stage	M/s Ram Biologicals attended Suchitwa Mission to discuss the corrections in DPR. DPR under revision by the agency. DPR under scrutiny, needs to be revised with higher capacity. Revised DPR preparation ongoing, as there is a change in quantification.	31.12.2026
KASARGOD						
32	Taluk Hospital, Neeleswaram Municipality Kasaragod	Suchitwa mission	0.040	Tendering Stage	The tender-qualified agency is unwilling to accept the work. Hence action for council approval is being taken for arranging the work through accredited agency. Requested for advance payment. Waiting for the fund. TS issued as per DSR 2018, Agreement period expired, hence DPR to be revised	31.12.2026

Details of proposed ETPs in the State

No.	Location	Implementing Agency	Capacity of the ETP proposed in MLD	Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ Tendered/ Work Awarded)	Status of Project (in Detail)	Likely Date of Completion of DPR Preparation/ Tendering
THIRUVANANTHAPURAM						
1	ETP at KSRTC Depot, Thampanoor, Thiruvananthapuram (AMRUT-2.0)	KSRTC	0.02	AS issued TS to be issued:	The KSPCB informed the KSRTC that ETP is necessary as the Bus Depot is an orange category industry. An external agency to be engaged by the KSRTC for the preparation of the DPR.	DPR preparation expected to be completed by 31.03.2026
KOTTAYAM						
2	ETP at Kodimatha, Kottayam Municipality		0.030	At DPR Stage	Soil test to be conducted.	
MALAPPURAM						
3	ETP at Perinthalmanna Dialysis Center, District Panchayath, Malappuram	Suchitwa Mission	0.010		Work ongoing	
4	ETP at Tirur Municipality Slaughter house	Suchitwa Mission	0.030	Tendering Stage	Paused due to public protest, Slaughter house not working	31.08.2026
KOZHIKKODE						
5	ETP at Govt Ayurvedic Hospital, Talayad, Panangad Grama Panchayath, Kozhikode	Suchitwa Mission	0.03	TS issued	TS issued. Awaiting fund availability from SBM Kosh	31.12.2025

Details of proposed FSTPs in the State

No.	Location	Implementing Agency	Capacity of the FSTP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ Tendered/ Work Awarded)	Status of Project (in Detail)	Likely Date of Completion of DPR Preparation/ Tendering
THIRUVANANTHAPURAM						
1	Nettukalthery FSTP, Trivandrum	IMPACT Kerala Ltd	80 KLD	DPR Stage	Agreement executed with consultant for DPR preparation.	
KOLLAM						
2	Kureepuzha 50 KLD FSTP (Proposed)	KWA	0.05	To be retendered	The SLTC held on 08.10.2025 and the SHPSC held on 27.10.2025 decided to implement the FSTP under AMRUT-2.0 (transfer from	Expected to be tendered by 31.03.2026

					AMRUT-1.0). FSTP to be retendered by KWA. FSTP is to be retendered by KWA after revising the TS as per the DSR 2021.	
KOTTAYAM						
3	FSTP at Vellor GP			DPR stage	Land allotted from industries department, suitable land identified. GO Issued. A joint site visit was conducted with KSPCB and LSGD EE, SM and KPPL officials. Suitable parcel of land identified. Proposal submitted to District Collector. Further steps to be initiated to execute the agreement. Discussions regarding the lease agreement procedures are in progress. A letter has been sent to the Government highlighting the issues raised by the Local Body regarding the lease.	31.12.2026
4	FSTP at Manganam		0.05	DPR stage	A new land was identified as the earlier land was not available, A govt meeting to be held for the availability of land. 5 rural LBs included in the cluster agreed for taking up O&M. The municipality currently proposing alternative site at Vadavathoor. Detailed letter sent to government for conducting meeting at Government level. A discussion was held on the Manganam FSTP, wherein the O&M cost has been accepted by five Panchayats, approval is still pending. The Municipality has proposed an alternative site at Vadavathoor, owned by Kottayam Municipality.	31.12.2025
5	Erumeli FSTP	IMPACT Kerala Ltd	105 KLD	Work tendered. Agreement executed.	Selection notice issued. Agreement executed. Contractor to submit vetted documents to IMPACT for approval	
ERNAKULAM						
6	FSTP at Brahmapuram, Kochi Corporation (AMRUT-2.0)	Kochi Corporation	1	AS Issued To be Started	The site is to be handed over to the contractor for starting the work.	Expected to be started by 04.03.2026
7	Muvattupuzha Municipality's FSTP Project	IMPACT Kerala Ltd.	0.05		DPR Submitted to RKI for AS on 13.11.2024 in advance. Vide Lr.No.PP1/100/2024-LSGD dated 27.01.2025 from LSGD (PP) Dept. informed that RKI has expressed its inability to take up the project. Land conversion required. Informed municipality to forward Council resolution to proceed with KIIFB funding.	30.03.2026

					Chairman informed that LB may drop the project as the proposed plant is in wetland. Directed the DSM to conduct a meeting with the Municipality Chairman and Secretary regarding the project. Land conversion paperwork to be monitored.	
8	North Paravur FSTP	IMPACT Kerala Ltd.			LB to proceed with soil test. MoU to be signed with IMPACT Kerala.	30.05.2026
THRISSUR						
9	FSTP at Ramavarpuram, Thrissur Corporation	Thrissur Corporation	0.1	Work Awarded To be retendered	In the meeting held by the Hon'ble Mayor on 14/01/26, it was decided to construct the FSTP on the land suggested by the District Collector (IMA's land, Ramavarpuram). A meeting with the District Collector is expected to be held soon to finalize the land.	Expected to be tendered by 31.03.2026
10	Erumapetti FSTP	IMPACT Kerala Ltd		DPR Stage	Soil test to be done by LB. Reminder sent.	
PALAKKAD						
11	FSTP at Shornur	IMPACT Kerala Ltd.			Cluster selection ongoing, by considering the nearby local bodies. Agency visited the Municipality. Soil test done. Contour survey completed, DPR design work in progress. As per decision of meeting b/w consultant, LB and SM, Consultant submitted process flow to LB for Suchitwa Mission approval & LB to submit council decision for 50 KLD with GWM. Technical presentation done before IKL technical committee on 04.07.2025. Consultant submitted modified DPR on 02.08.2025. Submitted to SM on for funding. SM directed for cluster approach, informed LB. Awaiting council decision in this regard. MoU to be signed with IMPACT Kerala.	
12	Chittur Thathamangalam FSTP, palakkad	IMPACT Kerala Ltd	20 KLD	DPR Stage	LB informed site changed. MOU to be executed with IMPACT Kerala Ltd.	
MALAPPURAM						
13	FSTP at Perinthalmanna	Aquatechnics Water Treatment Technologies Pvt. Ltd. Ernakulam			Decided to conduct a meeting with new Council representatives. Location changed. Decided to conduct a meeting with new Council representatives.	
14	FSTP at Valancheri	IRTC-PIUMUND			Work ongoing. Concrete works completed.	

		UR				
KANNUR						
15	FSTP at Valliyayi, Mokeri GP	Suchitwa Mission			TS issued on 17-10-2025. Letter sent to IMPACT KERALA to start the work.	
16	Panur BP FSTP, kannur	IMPACT Kerala Ltd	50 KLD	TS Stage	MOU to be executed with IMPACT Kerala for proceeding with tendering. Meeting of cluster LBs to be done by BP and obtain their resolutions for cluster approach	
KASARGODE						
17	FSTP at Mangalpady, 50 KLD	Suchitwa mission	0.05		PCB NOC issued on 13.11.25, Site clearance ongoing. 5% Civil work completed	
18	FSTP at Manjeswaram, Manjeswaram GP	Suchitwa mission		TS issued	Paused due to public protest, a meeting was held by special secretary on 9th feb and given direction to JD to resolve the issue.	
19	Construction of 36 KLD FSTP at Kayyur-Cheemeni Grama Panchayath,		0.036	TS issued	TS issued, Agreement executed ,PCB NOC under process	

Projects by Indian Railway

Sl No.	Location	Implementing Agency	Status of Project
1	STP at Ernakulam Junction railway station	Indian Railway	Ernakulam South Railway Station had submitted application for CTE for installation of STPs of 960 KLD and 240 KLD. No work was noted to be done regarding the installation of the STPs. It was informed by the officials of Railway that the consultancy to which the project of STP installation was assigned had opted out from the contract and the whole redevelopment project including the installation of STP at south railway station has been stopped currently. The railway officials informed that it might take 3 months more time to re tender. The application for CTE submitted was scrutinized and was returned on 20.01.2025 for submitting revised site plan. The application has not been resubmitted till date. Currently no progress is noted regarding the installation of STP and re submission of the application for CTE. Presently, the sewage is disposed through the existing septic tank system.
2	STP at Aluva station	Indian Railway	Inspection conducted on 23.06.2025. It is noted that the railway station has not taken any action for the installation of permanent and temporary STP. Only flooring was constructed at the STP location. The station is currently operating with the existing septic tank-soak pit system itself. MRF of the station is functional and they informed that the waste has been disposed to M/s. Earth Clean. The railway station has not renewed the Consent to Operate and is currently operating without valid Consent to Operate.
3	STP at Ernakulam North	Indian Railway	Ernakulam Town Railway Station had obtained Consent to Establish on 06.02.2025 for installation of Sewage Treatment Plant of 350 KLD Capacity. During the inspection no progress was seen regarding the installation of the STP. During the discussion with the Railway officials it was informed that they are awaiting technical sanction for the structural drawing of the civil tank and construction of STP is expected to start within 2 months. Currently the sewage is disposed through the temporary STP installed at the railway station.
4	Diesel Loco Shed, Southern	Indian Railway	Removal of oily sludge near the diesel loco shed and remediation of the area is in progress. The proposed cost of the work is Rs.22 lakhs.

	Railway, Ernakulam		The Railway started the work at February 2024. Inspection was conducted on 20.02.2024 and the remediation work was progressing at the time inspection. Nearly 2000 sq ft area was demarcated for remediation. The land is a marshy land. The top soil containing oil was removed and spread out for drying. The water containing oil content from the remediation area was pumped in to a pit nearby and left open for drying. Inspections were conducted in every week since the commencement of remediation. Inspection was conducted by Board officials on 09.04.2024. Remediation work and filling of the land with red earth was seen completed. The excavated oil sludge will disposed to KEIL Even though there is large extent of affected water logged area, the railway have now completed remediation 2000 sq ft land area.
--	--------------------	--	--

Proposed Sewerage System

Sl No	Sewage network system	Implementing Agency	Capacity of STP proposal	Project Status	Likely Date of Completion of DPR Preparation/ Tendering
1	Sewerage system for Thiruvananthapuram Corporation- Cluster 1 Attukal, Ambalathara, Kaladi, Kalipankulam&K amaleswaram	KWA	7.0(for utilizing existsting 107 MLD)	DPR Approved. In Cluster 1 Kaladi Zone 3 & Attukal Zone 4 Part- Work awarded, Attukal Zone 1 Part- Work retendered, Ambalathara Zone 5 Part- The roads under DLP. Once road cutting sanction obtained work can be tendered	
2	Preparation of DPR for proposed sewerage system to the Madhippuram colony and surrounding areas near VizhinjamHarbour, TVM	KWA	5	DPR Approved	
3	Detailed Engineering Report for Sewerage Scheme in Neyyattinkara Zone I,TVM		2.5 MLD	DPR Approved	
4	Detailed Engineering Report for the Sewerage scheme in Alappuzha Municipality with ST P – Phase 1		5 MLD	DPR Approved	
5	Detailed Engineering Report for the Sewerage scheme in Haripad Municipality - Sewage Treatment Plant of Capacity 2.6 MLD– Phase 1 and Sewerage Network of L ength 58km – Phase 2, Alapuzha		2.6 MLD	DPR Approved	
6	Comprehensive sewerage scheme- Government medical college, Kottayam		5 MLD	DPR Approved	
7	Sewerage System for Kattappana Municipality		1.76	DPR Approved	
8	Detailed Engineering Report for Sewerage Scheme in Kalamassery		2.6 MLD	DPR Approved	

	Municipality-Phase-1, Kochi				
9	Sewerage System for Aluva –Zone 1		1.72	DPR Approved	
10	Sewerage system for Pattambi municipality		5.4	DPR Approved	
11	Decentralized Sewerage Scheme (STP at Kokkala), Thrissur Corporation (AMRUT-2.0)		2.5	DPR approved	31.12.2026

Mobile FSTP

No.	Location	Implementing Agency	Capacity of the STP proposed in MLD	Status of Project (in Detail)	Incremental Progress	Likely Date of Completion of DPR preparation/ Tendering
1	Mobile Treatment unit – Chalakudy – by BHOUMA ENVIROTECH PVT LTD		0.036	Operational		
2	Mobile Septage Units- 2 nos, Alappuzha Municipality (AMRUT-1,0)	Alappuzha Municipality/ AMRUT	0.02 (0.01 x 2 nos.)	Physically completed.	Both units delivered. The trial run was done by Bhouma on 05.07.2025. As per the test results (dated 28.07.2025) given by the KSPCB it was observed that the faecal coliform content in the effluent taken from both units and the oil & grease content in the effluent of one unit were above the allowable limits. Hence the ULB has asked Bhouma to conduct the trial run & testing again. This time the ULB is planning to give samples for testing to the KSPCB's lab as well as to a NABL accredited lab suggested by the KSPCB. Trial run & testing to be conducted again by Bhouma. Trial run was done again by Bhouma on 15.11.2025. As per the test results received, all parameters were found to be within the	

					allowable limits prescribed by the KSPCB. MTUs are to be made operational by the ULB.	
3	Mobile Treatment Unit - Kodungalloor, Neyyattinkara, Chirayinkeezhu, Kumarakam, Wadakkancherry			proposal stage		
4	Mobile Septage Treatment Units – 2 nos., Kollam Corporation (AMRUT-1.0)	0.02 (0.01x2 nos.)	45%	Approval for procurement was issued via Govt. Order dated 10/11/25 as per the decision taken by the SHPSC held on 27/10/25. One unit delivered. Tender to be floated by the ULB in the GeM portal for the 2 nd unit.	Tender to be floated by the ULB in the GeM portal for the 2 nd unit.	Tender is expected to be floated for the 2nd unit by 28.02.2026.

Underground STPs

No	Projects	Status
1	UG STP for Thavanur Central Prison & Correctional Home, Malappuram Dist.	DPR submitted to SM for financial status. MoU to be signed.
2	UG STP at Parassinikkadavu, Anthur Municipality, Kannur Dist.	DPR submitted to SM for financial status. MoU to be signed.
3	Govt. Ayurveda Hospital, Piravom Municipality, Ernakulam Dist.	DPR submitted to SM for financial status. MoU signed.
4	3 projects in Alappuzha district i. Civil Station in Alappuzha Municipality ii. Revenue Tower, Taluk Office in Haripad Municipality iii. Taluk Hospital in Haripad Municipality	- RFQ invited for PFR from empanelled agencies with 09.06.25 as last date. 8 quotes received, under evaluation. Placed before the technical committee. Selection notice to be issued. - In the review meeting held by Principal Director on 05.06.2025, directed LB to proceed with soil test.
5	2 projects in Palakkad district i. PHC in Akathethara Grama Panchayat ii. KAP Camp in Puthupariyaram Grama Panchayath	- RFQ invited for PFR from empanelled agencies with 09.06.25 as last date. 8 quotes received, under evaluation. Placed before the technical committee. Selection notice to be issued. - In the review meeting held by Principal Director on 05.06.2025, directed LBs to proceed with soil test.

IV.Details of Industrial Pollution:

- Total registered industrial and non industrial units –**129915**
- Total Effluent and Sewage & Sullage Generating units: 14422 (Large & Medium: 1298; Small: 13124)
- Quantity of Effluent and Sewage & Sullage generated from 14422 units = 178.36 MLD (Large & Medium: 156.3 MLD – mentioned in MPR for the month of Jan, 2021; Small: 22.059 MLD)
- Total Effluent Generating units = **217** (As per online consent system)
- Quantity of Effluent generated from **11768** [11551 (As per Dossier: As on 2020) + 217 (As per online consent system)] units = **112.105** MLD (107.08 MLD + **5.025** MLD)
- 15095 consents issued in 2023. More industries are brought under consent purview
- OCEMS facility provided in 48 industries and is linked to the SPCB/CPCB servers. In case of exceedance follow up is done.
- Number of industrial units connected to CETP: As per the available data - 95 nos

Number and total capacity of CETPs (details of existing/under construction /proposed)

- 9 nos of CETPs are functional (Total Capacity - 9.545 MLD)
- Proposed CETPs -3 nos. (Total Capacity- 3.12 MLD).

Details of existing/under construction/proposed CETPs in the State						
CETP Name	Treatment Capacity	Operational Capacity	Status(Whether Operational or Non operational)	Number of member units	Number of complying units	Whether complying with parameters
Kinfra Apparel Park, St.Xavier's College P.O, Thumba, Thiruvananthapuram	4.5 MLD	4.5 MLD	Operational	10		pH- 7.2, TSS – 6.0 mg/l, TDS - 751 mg/l, BOD – 3.0 mg/l, COD - 44 mg/l, O & G - 0.3 mg/l, Ammoniacal Nitrogen – 9.7 mg/l, Nitrate Nitrogen – 10.4 mg/l, Total Kjeldahal Nitrogen-25.6 mg/l, Phosphates-0.0137 mg/l, Chlorides-400 mg/l, Sulphates-8.5 mg/l, Flouride- BDL, Total Residual Chlorine - 1 mg/l, Phenolic Compounds - BDL, Sulphides-BDL, Cyanide-BDL as per analysis report dated 16.01.2026.
CETP,KINFRA,Elamannoor, Pathanamthitta	0.22 MLD	30 Cubic metre per day	Operational	4	4	pH - 6.5 to 8.5, TSS - 100, BOD - 30, O&G - 10,COD- 250 as per analysis report dated 12.01.2026
KSIDC Mega Food Park, Pallipuram, Cherthala, Alappuzha	2 MLD	0.5 MLD	Operational	6		pH-7.7 mg/L, BOD-30.24 mg/L, SS-21.2 mg/L O&G- BDL , as per analysis report dated 24.12.2025
Sea Food Park (India) Ltd., Aroor, Alappuzha	0.3 MLD	0.3 MLD	Operational	10		pH-7.5 mg/L, BOD-11.62 mg/L, SS-5 mg/L, O&G- BDL , as per analysis report dated 31.12.2025
Kinfra Small Industries Park Nellad, Mazhuvanoor	0.4 MLD	0.4 MLD	Operational	15		pH- 7.09, COD-248 mg/L, BOD-18.37 mg/L, Oil

						and Grease-BDL, Total Suspended Solids –182.4 mg/L, Fluorides < 1 mg/L, Chlorides-149.9 mg/L, Phosphate – 1.89 mg/L, Nitrate-1.10, Sulphates – 19.78 mg/L, Sulphides – 3.63 mg/l, Ammoniacal Nitrogen – 0.964 mg/l, Phenolic Compounds – BDL, as per analysis report dated 05.06.2025
Rubber Park India Private Limited (New Plant), Common Effluent Treatment Plant, 2 A, Kaudileeyam, Rubber Park, Valayanchirangara, Ernakulam- 683556	0.25 MLD	0.25 MLD	Operational	17 Units Dormitory and Canteen		pH- 8.11, COD-40 mg/L, Oil and Grease-BDL, Total Suspended Solids – BDL, TDS –1.31, Chlorides-29.9 mg/L, Sulphates – 28.25 mg/L, Sulphides – BDL, Fluorides < 1 mg/L, Ammoniacal Nitrogen – 0.21 mg/L , Phenolic Compounds - BDL, Phosphates – 0.53 mg/l, Nitrate – 7.8 mg/l and Total Residual Chlorine - BDL as per analysis report dated 10.06.2025 Action is taken for preventing exceedance.
CSEZ, Kakkanad, Cochin Special Economic Zone Ernakulam	1 MLD		Operational	14		pH-7.23,TSS-BDL , TDS – 360 mg/l, Chloride – 6.9 mg/l, Residual Chlorine – BDL, phosphate-BDL, sulphide-BDL, ammonical

						nitrogen – 0.078 mg/L, BOD- BDL , COD-4 mg/l, Sulphate – 6.8 mg/l, Oil & grease – BDL, Copper- BDL, cadmium – BDL, Nitrite as Nitrogen – BDL, Nitrates as Nitrogen – 2.334 mg/l, Total Kjeldahl Nitrogen – 1.232 mg/l, Iron – BDL, Manganese – BDL, Nickel – BDL, Lead – BDL, Zinc – BDL analysis report dated 20.06.2025
KinfraTechno Industrial Park, Kakkanchery Chelambara P.O, Malappuram	0.675 MLD	0.675 MLD	Operational	17	17	pH – 7.4, BOD – 13 mg/l, COD – 56 mg/l, TSS – 62 mg/l, oil & grease – BDL as per report dated 19.07.2025
Kinfra Textile Centre, Nadukani, Pallivayal P.O, Thaliparambu, Kannur– 670142	0.2 MLD	0.2 MLD	Operational	2	2	pH – 8.91, BOD – 303.5 mg/l, COD – 736 mg/l, Oil & Grease – 10.72 mg/l, TSS – 104 mg/l as per analysis report dated 13.08.2025

*Appropriate action is being taken in cases where the specified standards are exceeded.

CETP- Proposed						
CETP, Industrial department, Aroor	1.5 MLD	Proposed	• GM issued proceedings on 08/01/2024 to resume the 1 acre land from JIS international • The time line now given to the unit for handing over the land to the Industries Department , if it does not start industrial activities in the land, is extended for 6 more months from 19.01.2024.			NA
CETP, Chandiroor	1.5 MLD	Proposed	• Not constructed (Land procured)	Sanctioned Rs. 10 crore in the 2024-25 annual budget for the construction CETP	ACCEPT Environment Solutions have submitted a project proposal.	
KINFRA Spices Park, Muttom, Idukki	0.120 MLD		• ICO issued. CETP is ready to operate		Industries have not started functioning.	

Effluent Treatment Plant

Sl No	Industry Name	Industry Type	Consumption of water in ML D	Effluent Quantity in ML D	Mode of disposal	ETP Units	Date of monitoring	Limiting Standard	Latest Analysis report	
PATHANAMTHITTA										
1	18M Car Care, Mallapally East (P.O.), PTA	Car Wash	0.0018	0.0018	Re-use for car washing	ETP	24.09.2025	pH - 6.5 to 8.5, TSS <100, BOD<30, COD-250, O&G - 10	pH - 7.1, TSS - 25.1, BOD-11, COD-32, O&G - 2.4	Parameters are within the limit
IDUKKI										
2	Kattappana Dairy, E.R.C.M. P.U.Ltd, Kattappana, Idukki	Milk Processing Unit	0.25	0.2	Soak Pit	Screen chamber, Oil and Grease trap, balancing tank, aeration tank I&II, settling tank I&II, filtration, sludge drying bed and treated water tank	22.10.2025		pH=7.88, BOD=9.6, S.S=4.7, Oil & Grease=BDL	Parameters are within the limit
ERNAKULAM										
3	Fact Ltd., Udyogamandal Division, Eloor, Udyogamandal	Chemical Fertilizer	48	17	Periyar-downstream of Pathalam bund	Flash mixer, Clariflocculatro, spray pond, pH neutralizer, guard pond	03.05.2025	pH - 6.5 - 8.0, nitrates - 10mg/l, free ammonia - 4 mg/l, TKN - 150mg/l, oil and grease - 10mg/l, phosphate - 5mg/l	pH - 6.80, nitrates - 66, free ammonia - 2.72, TKN - 115.36, oil and grease - 5.44, phosphate - 0.05, ammonia	

								ammoniacal nitrogen - 75mg/l, hexa chromium - 0.1mg/l, SS - 100mg/l, fluoride - 1.5mg/l, arsenic - 0.2mg/l, vanadium - 0.2mg/l, total chromium - 2mg/l	acal nitrogen - 112.56, hexa chromium - BDL, SS - 21.2, fluoride - 0.068, arsenic BDL, vanadium - BDL, total chromium - BDL	
4	Fact Ltd., Petrochemical Division, Eloor, Udyogamandal	Petrochemical Unit	13.97	5.04	Periyar-downstream of Pathalam bund	Neutralisation, Equalisation, Biopond, Guard pond, Final clarifier, Denitrification reactor	29.04.2025	pH - 6.5 - 8.0, nitrates - 20mg/l, free ammonia - 5 mg/l, TKN - 100mg/l, oil and grease - 10mg/l, phenolic compounds - 1mg/l, ammoniacal nitrogen - 50mg/l, SS-30mg/l, BOD - 30mg/l, COD - 250mg/l	pH - 6.67, nitrates - NA, free ammonia - NA, TKN - NA, oil and grease - BDL, phenolic compounds - NA, ammoniacal nitrogen - NA, SS-56, BOD - 12mg/l, COD - 80mg/l	
PALAKKAD										
5	United Breweries Limited	Fermentation Industry	0.945	0.756	Reuse & excess to river	Collection tank, high rate anaerobic reactor, coagulation tank, primary settling	28/10/2025		pH-7.38 TSS - 15 BOD - 2.4 COD - 55 OIL AND GREASE - BDL	

						tank, aeration tank, secondary settling tank, pressure sand filter, activated carbon filter, reverse osmosis, evaporator.				
6	IMAGE (INDIAN MEDICAL ASSOCIATION GOES ECO FRIENDLY)	Common biomedical treatment facility	0.48	0.13	Reuse	Coagulation tank, primary settling tank, aeration tank, secondary settling tank, pressure sand filter, activated carbon filter, chlorination tank, ultra filtration	28/10/2025		pH - 9.25 BOD - 840 TSS - 12 OIL & GREASE - 7.3	
MALAPPURAM										
7	Ecogreen rendering plant, cherur (po), manhen gara	Chicken waste fertilizer	0.001	0.001	soakpit		01.09.2025	PH-6.5-8.5, BOD-30, TOTAL SUSPENDED SOLIDS-100, OIL AND GREASE -10	PH- 7.8, BOD-6.4, COD-16, TOTAL SUSPENDED SOLIDS -24, OIL AND GREASE-BDL	
8	Beton proteins,	Chicken waste	0.02	0.02		screen chamber, oil and	24.09.2025	PH-6.5-8.5, BOD-30, TOTAL	PH-6.9, BOD-11,	

	pallippa dam, mampad	fertilizer				grease,trap collection tank,aeration tank,settling tank filter feed tank,pressure sand filter,chlorination,activated carbon filter		L SUSPENDED SOLIDS-100,OIL AND GREASE-10	COD-40, TOTAL SUSPENDED SOLIDS-80, OIL AND GREASE-BDL	
WAYANAD										
9	Milma Dairy MRCM PU Ltd Wayanad		0.3	0.202	Well	Irrigation, Soak pit	5/8/2025		PH-7.12, BOD-97.8, TOTAL SUSPENDED SOLIDS-137.6, OIL AND GREASE-74.8	BOD, TSS, OIL AND GREASE VALUE PERMISSIBLE LIMIT EXCEEDED
KANNUR										
10	Mathrubhumi Printing & Publishing Co.Ltd., Nadal, Bypass Road, Edakkad.P.O., Kannur Dt - 670663	Printing press	0.006	0.00524	Gardening / Soak pit		07/08/2025		PH-6.46, TSS-14, BOD-9, COD-24, OIL AND GREASE-2.04	
11	Shabari Cottons Pvt Ltd, Nad	Textile dyeing	0.113	0.1074	Soak pit	ETP Units	31/07/2025		PH-9, TSS-117, BOD-	

	ukani,P allvayal (P.O),T halipara mbu								343.5,C OD- 832,OIL AND GREAS E-8.04	
KASARGODE										
12	Vpk Motors	Servic e Station	0.00 575	0.00 5	Soak Pit	ETP	13.11.202 5	PH-6.5- 8.5,BOD- 30,TOTA L SUSPEN DED SOLIDS- 100,OIL AND GREASE -10 ,COD- 250	PH- 6.8,BO D- 9,TOTA L SUSPE NDED SOLIDS -45,OIL AND GREAS E-1.1 ,COD- 24	Conf ormi ng to Stan dards
13	Oxygen promax	Rende ring plant	0.00 89	0.00 72	Cooling tower, boiler feed and soak pit	ETP	22.10.202 5	PH-6.5- 8.5,BOD- 10,TOTA L SUSPEN DED SOLIDS- 100,OIL AND GREASE -10	PH- 7.1,BO D- 7.2,CO D- 24,TOT AL SUSPE NDED SOLIDS -72,OIL AND GREAS E-7.4	Conf ormi ng stand ards

Solid Waste Management

The State has continued to strengthen its waste management framework through focused regulatory enforcement and system-level improvements aimed at enhancing overall operational effectiveness. In response to the growing demand for sustainable waste management, an integrated approach has been adopted that emphasizes infrastructure augmentation, awareness generation among stakeholders, and the implementation of clear and enforceable policy measures.

All institutions and commercial establishments are required to maintain clean and litter-free premises and to ensure the safe and scientific management of the waste they generate. The State's policy on biodegradable waste promotes decentralized treatment, with priority given to

processing waste at source. To supplement source-level systems and to manage waste arising from institutions and other bulk generators, community-level and cluster-based processing facilities have been established. Management of non-biodegradable waste from households and institution is oriented towards segregation, material recovery, and maximum reuse, thereby reducing the quantity of waste requiring final disposal.

In the previous report submitted, waste generation estimates were based on the population figures as of 2024. In the present report, the quantities have been revised using updated population projections for 2026. Accordingly, the total quantity of waste generated has increased from 10076.17 TPD to 10182.91 TPD. Correspondingly, the quantities of biowaste and non-biodegradable waste have been revised from 7398.64 TPD and 2173.72 TPD to 7477.05 TPD and 2196.71 TPD, respectively.

1. BIODEGRADABLE WASTE MANAGEMENT

In Kerala, an effective wet-waste management system is being implemented with mandatory source segregation into wet (biodegradable) and dry (non-biodegradable) fractions. The wet waste generated in the state is managed by a three tier system.

Through Household Level Devices: Kerala has successfully implemented household-level management of biodegradable waste through the widespread adoption of decentralized solutions such as compost bins. Recent data shows 23,98,843 numbers of composting bins and 68,973 numbers of household-level biogas plants are functioning effectively across the State. As a promotion for using source level waste management devices, the state is providing 90% subsidy to the beneficiaries for purchase of household level biomethanation/composting devices, through the LSGIs. In addition to that, Fifty percent of the estimated project cost, up to a maximum of one lakh rupees is given to the private sector institutions, hostels and hotels for setting up waste management plants in their premises. Workshops and campaign activities are also conducted to inform the Bulk Waste Generators and institutions about source-level waste management.

At present, 186 agencies are empanelled statewide for various services like supply of bio waste management devices, supply of quality inoculum for efficient composting and translation of technologies etc. in biodegradable waste management.

To ensure sustainability and to support households in the effective implementation and operation of these systems, address user queries, and provide technical assistance, more than

5000 Green Technicians have been deployed across Kerala. Overall, this decentralized approach has proven to be highly effective in reducing the overflow of waste from households and thereby reducing requirements of centralized plants

Through Community Level Facilities: To manage waste generated from markets and other institutions, Local bodies collect biodegradable waste through Haritha Karma Sena members or sanitation workers and process it at community-level facilities such as composting units, biogas plants, and windrow composting facilities.

Regional Level Facilities: Some rapidly urbanizing areas where the overflow of biowaste is sufficient enough to make a commercially viable CBG plant, State has proposed establishment of regional-level compressed biogas (CBG) plants to make the system future proof.

Details of biodegradable waste Management Facilities in the state are given in Table 1.

Table 1. Biodegradable Waste Management Facilities in the State					
District Name	Total BDW Generation (TPD) based on 2026 population	Total capacity of Compost Facilities (TPD)	Total capacity of Bio methanation Facilities (TPD)	Total Rendering Facilities (TPD)	Total BDW Processing Capacity (TPD)
Thiruvananthapuram	778.04	789.05	70.25	61.40	920.69
Kollam	569.34	578.89	55.94	70.94	705.77
Pathanamthitta	223.58	205.32	19.70	16.73	241.75
Alappuzha	424.90	405.86	31.16	43.17	480.19
Kottayam	394.15	380.76	28.01	43.82	452.59
Idukki	207.63	205.19	16.24	11.99	233.43
Ernakulam	788.23	716.32	49.81	115.28	881.42
Thrissur	698.76	672.11	59.03	52.22	783.36
Palakkad	610.67	646.63	36.26	72.18	755.07

Table 1. Biodegradable Waste Management Facilities in the State					
District Name	Total BDW Generation (TPD) based on 2026 population	Total capacity of Compost Facilities (TPD)	Total capacity of Bio-methanation Facilities (TPD)	Total Rendering Facilities (TPD)	Total BDW Processing Capacity (TPD)
Malappuram	994.93	935.26	121.77	127.98	1185.01
Kozhikode	754.90	769.50	55.56	74.57	899.62
Wayanad	172.17	185.03	6.70	21.92	213.65
Kannur	570.17	587.60	38.07	54.80	680.46
Kasaragod	289.58	294.39	18.59	25.53	338.51
Grand Total	7477.05	7371.91	607.08	792.55	8771.53

The quantity of bio waste generated in the State is approximately 7477.05 TPD, while the existing processing facilities including household, institutional, and community-level systems have a combined installed capacity of about 8771.53 TPD. While accounting for each ULB, a capacity gap exists, a significant portion of the remaining biowaste is productively utilized as livestock feed. A substantial share of biowaste generated originates from Bulk Waste Generators such as hotels, restaurants, and catering establishments, primarily in the form of food waste. The food waste collected from these sources is generally of good quality and can be used as livestock feed with minimal pre-processing. Farm owners often collect food waste directly from these establishments and utilize it as animal feed, thereby ensuring the productive reuse of a considerable quantity of food waste.

To establish a sustainable and long-term system for biowaste management and to address the existing processing capacity gap, the State has proposed the development of regional-level Compressed Biogas (CBG) plants. The status of the projects are given in Table 2.

Table 2. Status of Compressed Biogas Plants			
Sl.No.	Location of the plant	Capacity of Plant (TPD)	Implementation Status
1	Palakkad Municipality	110	85% work completed
2	Kochi Corporation	150	Trial run completed
3	Thrissur Corporation	30	Construction Started
4	Thiruvananthapuram Corporation	150	In land acquisition process
5	Kollam Corporation	150	Agreement signing stage
6	Kozhikode Corporation	150	Agreement executed
7	Changanaserry Municipality	30	Tendering stage
	Total	770	

2. NON-BIODEGRADABLE WASTE MANAGEMENT

Dry waste generated from households and institutions is collected and transported to Material Collection Facilities (MCFs) or Resource Recovery Facilities (RRFs), where it is segregated into recyclable and non-recyclable waste. The recyclable waste is sent to recycling units, while non-recyclable waste is directed to co-processing facilities, such as cement plants. Table 3 gives the details of non biodegradable waste collection and segregation facilities.

Table 3. Non-Biodegradable Waste Management Facilities in the State		
Facility Type	July 2025	Jan 2026
Mini MCF	19808 Nos	20051 Nos
Containers for temporary Storage	148 Nos	158 Nos
MCF	1272 Nos	1350 Nos

Table 3. Non Biodegradable Waste Management Facilities in the State		
RRF	167 Nos	192 Nos
Clean Kerala Company + Private Facilities	73 Nos 685.64 TPD	80 Nos 715.64 TPD

The state is handling non-bio waste through collection, storage & handling, segregation and processing through facilities established by local bodies and private agencies. The details are shown in table 4.

Table 4. Non-bio waste generation and processing capacity					
District Name	Total NBDW Generation (TPD) based on 2026 population	Facilities in Local Bodies (TPD)	Private agency Godown Facility (TPD)	CKCL Godown Facility (TPD)	Total NBDW Processing Capacity (TPD)
Thiruvananthapuram	240.67	164.75	68.26	12.20	245.21
Kollam	166.94	127.83	23.94	22.20	173.97
Pathanamthitta	63.04	64.16	0.00	5.00	69.16
Alappuzha	121.26	138.00	11.62	39.06	188.68
Kottayam	112.02	109.93	15.33	22.84	148.10
Idukki	57.38	59.68	6.04	9.79	75.51
Ernakulam	242.19	213.29	69.63	7.00	289.93
Thrissur	205.77	215.05	13.52	0.00	228.57
Palakkad	171.57	133.01	49.26	4.50	186.77
Malappuram	285.61	168.48	128.21	2.50	299.18
Kozhikode	229.90	187.16	80.67	5.60	273.42
Wayanad	48.88	30.30	54.28	6.07	90.65
Kannur	170.04	169.68	17.81	10.00	197.50
Kasaragod	81.44	87.60	18.59	11.73	117.92
Grand Total	2196.71	1868.93	557.16	158.49	2584.57

Table 4. Non-bio waste generation and processing capacity					
District Name	Total NBDW Generation (TPD) based on 2026 population	Facilities in Local Bodies (TPD)	Private agency Godown Facility (TPD)	CKCL Godown Facility (TPD)	Total NBDW Processing Capacity (TPD)
Thiruvananthapuram	240.67	164.75	68.26	12.20	245.21
Kollam	166.94	127.83	23.94	22.20	173.97
Pathanamthitta	63.04	64.16	0.00	5.00	69.16
Alappuzha	121.26	138.00	11.62	39.06	188.68
Kottayam	112.02	109.93	15.33	22.84	148.10
Idukki	57.38	59.68	6.04	9.79	75.51
Ernakulam	242.19	213.29	69.63	7.00	289.93
Thrissur	205.77	215.05	13.52	0.00	228.57
Palakkad	171.57	133.01	49.26	4.50	186.77
Malappuram	285.61	168.48	128.21	2.50	299.18
Kozhikode	229.90	187.16	80.67	5.60	273.42
Wayanad	48.88	30.30	54.28	6.07	90.65
Kannur	170.04	169.68	17.81	10.00	197.50
Kasaragod	81.44	87.60	18.59	11.73	117.92
Grand Total	2196.71	1868.93	557.16	158.49	2584.57
Kerala Enviro Infrastructure Ltd (KEIL)					16.00
Grand Total (TPD)					2600.57

3. LEGACY WASTE MANAGEMENT

Legacy dump sites in the State are being remediated through biomining, a scientific process that employs microorganisms and natural methods to excavate, treat, segregate, and recover useful materials from long accumulated waste. These legacy wastes, comprising organic matter, plastics, metals, and other materials compacted over several years, are segregated into fractions and systematically processed.

Across the State, a total of 59 legacy dump sites have been identified, biomining

and bioremediation activities have been completed at 24 sites, while remediation work is currently in progress at 21 sites. The process is scheduled to commence at the remaining 14 sites. Details of the quantities of processed and unprocessed legacy waste are presented in the table 7 below.

Table 4. Progress of Biomining projects

	June 2025			December 2025		
	No	Quantity (MT)		No	Quantity (MT)	
		Processed	unprocessed		Processed	unprocessed
Completed Sites	24	358278.55	0	24	369978.33	0
Ongoing Sites	19	962389.14	396970.58	21	1008764.85	433601.79
Tobe started	16	0	173719.29	14	0	142369.46
Total	59	1320667.69	570689.87	59	1378743.18	575971.24

Remediation Completed Sites

	Name of Districts	Name of Local Body	Legacy waste site (district wise)	Quantity of processed waste (in MT) in each site
1	Thiruvananthapuram	Thiruvananthapuram Corporation	Palayam market	4804
2	Thiruvananthapuram	Thiruvananthapuram Corporation	Erumakuzhi, near chala market	900
3	Kollam	Kollam Corporation	Kureepuzha	83926
4	Pathanamthitta	Pathanamthitta Municipality	Near Mini stadium, PTA	800
5	Pathanamthitta	Adoor Municipality	Kaimalapara, Ward no. 2, Adoor	500
6	Pathanamthitta	Pandalam Municipality	Near RRF Unit, pandalam	400
7	Ernakulam	Kalamassery Municipality	Kalamasseri	46699.78

8	Thrissur	Kodungalloor Municipality	Pullut, Chappara, Kodungalloor	26000
9	Thrissur	Guruvayur Municipality	Choolpuram, Guruvayoor	20000
10	Thrissur	Kodungalloor Municipality	T.K.S. Puram, Kodungalloor	607
11	Palakkad	Pattambi Municipality	Pattambi, Sankara mangalam	1041.1
12	Malappuram	Malappuram ulb	Puliyettummal,Near Inkel city, Malappuram	5079.04
13	Malappuram	Tirur ulb	Trenching ground, Otilathara	3079.2
14	Malappuram	Perinthalmanna Municipality	Perinthalmanna, Kunnappalli	200
15	Malappuram	Manjeri Municipality	Vettekkode, Manjeri	13902.11
16	Kozhikkode	Kozhikkode Municipal Corporation	Kalliyi, ward- 56, beside the river	15
17	Kozhikkode	Koyilandy Municipality	Koyilandi	40
18	Kozhikkode	Kozhikkode Municipal Corporation	Njaliyan parambu	130,000
19	Thrissur	Thrissur Corporation	Laloor	19500
20	Palakkad	Alathur Grama Panchayath	Alathur	1824
21	Palakkad	Vadakkanchery Grama Panchayath	Vadakkanchery	1520
22	Palakkad	Nemmara Grama Panchayath	Nenmmara	3641.1
23	Kottayam	Mundakkayam Grama Panchayath	Mundakkayam	4000
24	Kottayam	Erumeli Grama Panchayath	Erumeli	1500
		Total		369978.33

Remediation work in progress

Sl No.	Name of Districts	Name of Local Body	Legacy waste site (district wise)	Quantity of waste (in MT) in each site	Quantity of processed waste (in MT)
1	Thiruvananthapuram	Attingal Municipality	Attingal, Chudukad	11365	7800
2	Kottayam	Kottayam municipality	Vadavathoor, Kottayam	80943.3	12950.91
3	Ernakulam	Kothamangalam Municipality	Kumbalathumuri, Kothamangalam	19146	Yet to Start
4	Idukki	Thodupuzha Municipality	Parakadavu, Thodupuzha	28000	18000
5	Ernakulam	Kochi Corporation	Brahmapuram, Kochi	843000	732465
6	Thrissur	Chavakkad Municipality	Chavakkad	5000	3600
7	Thrissur	Wadakkanchery Municipality	Kumbalangad	21063	14745
8	Palakkad	Ottapalam municipality	Panamanna, Ottappalam	37600	28100
9	Kannur	Kannur Corporation	Chelora	43727.32	32874
10	Kannur	Mattannur Municipality	Mattannur, Karithurparamba	15680	10328
11	Kottayam	Changanaserry Municipality	Fathimapuram, Changanaserry	7300	3650
12	Ernakulam	Muvattupuzha Municipality	Kurianmala, Muvattupuzha	44589	6242.46
13	Thrissur	Irinjalakuda Municipality	Irinjalakkuda, Mangadikunnu	18389	4200
14	Palakkad	Palakkad Municipality	Koottupatha, Kodumba	73827	53155.44
15	Kannur	Thalaserry Municipality	Thalaserry, Punnoolpetty	45430.4	18172.16
16	Thiruvananthapuram	Thiruvananthapuram Corporation	Vizhinjam	3177.1	317.71
17	Ernakulam	North Paravoor Municipality	Vedimara, North Paravoor	18666	Yet to Start
18	Thrissur	Wadakkanchery Municipality	Wadakkanchery, Kumblangad	16152	13729.2
19	Kozhikode	Vadakara Municipality	Puthiyappu, Vadakara	30693.6	7366.464
		Total		1363748.72	967696.344

Remediation Work about to start

SL No.	Name of Districts	Name of Local Body	Legacy waste site (district wise)	Quantity of waste (in MT) in each site
1	Alappuzha	Kayamkulam Municipality	Murikkummoodu, Kayamkulam	6567.04
2	Alappuzha	Alappuzha Municipality	Sarvodayapuram	57200
3	Kottayam	Erattupetta Municipality	Erattupettah, Thevarrupara	8000
4	Idukki	Kattappana Municipality	Kattappana, Puliyanmala	12000
5	Wayanad	Kalpetta Municipality	Vellaramkunnu, Kalpetta	9485.37
6	Kannur	Iritty Municipality	Iritty, Athithattu	1618.49
7	Kannur	Payyannur Municipality	Payyannur, Moorikkovval	2100.00
8	Kannur	Kuthuparamba Municipality	Palapparamba, Kuthuparambu	22473.955
9	Kasaragod	Kasaragod Municipality	Kelugudde, Kasaragod	12873.6
10	Kasaragod	Kanhangad Municipality	Kanjhangad, Trenching Ground Chemmattamvayal	3481.39
11	Kollam	Kottarakkara Municipality	Ugrankunnu, Kottarakkara	6596
12	Alappuzha	Mavelikkara Municipality	Puthiyakavu, Mavelikkara	2880
13	Idukki	Munnar Grama Panchayath	Munnar	25000
14	Ernakulam	Koothattukulam Municipality	Town-Ward 15, Koothattukulam	1346
15	Thrissur	Chalakkudy Municipality	Near Cosmos Club, Chalakkudy	6769
16	Kasaragod	Mangalpady Grama Panchayath	Kubanoor	12557.80
		Total		1,90,948.645

- Total number of Urban Local Bodies (6 Corporation and 87 Municipalities) : 93 Urban
- Total Urban Population : 79,36,885 (As per 2011 Census)
- Current Municipal Solid Waste Generation : 3011.23 TPD (Urban local bodies- Based on population)
- Processing Capacity : 3870.35 TPD

- Gap in Municipal Solid Waste Management : 0 TPD
- The following projects are completed and functioning:
 - Black soldier plant 50 TPD Brahmapuram, Ernakulam by ZIGMA
 - Black soldier plant 50 TPD Brahmapuram, Ernakulam by FABCO

Online Vehicle Tracking Portal

Rule 16 (6) of Solid Waste Management Rules, 2016 and on the order of Hon'ble NGT board developed an online vehicle tracking portal through ULCCS to monitor inter-state waste movement. GPS/ Mobile tracking through app can be implemented through this portal.

Sanitary Waste Management

Sanitary waste is collected separately at the source, based on demand, and is disposed of using double-chambered incinerators. In addition to the double-chambered sanitary incinerators established at the local body level and the common biomedical waste management facility (KEIL), four regional sanitary waste treatment plants, each with a capacity of 20 TPD, have been proposed in four regions to address existing gaps in the sanitary waste management sector (Given in Table 6). Agreements for the implementation of these projects have been executed.

Table 6. Regional Level Sanitary Waste Incinerators in the State			
S1. No	Location	Capacity (TPD)	Districts in the cluster
1	Kollam	20	Thiruvananthapuram, Kollam, Pathanamthitta
2	Ernakulam	20	Alappuzha, Ernakulam. Kottayam, Idukki
3	Palakkad	20	Thrissur, Palakkad, Malappuram
4	Kannur	20	Kozhikode, Wayanad, Kannur, Kasaragod

RDF Plants

To facilitate easier transportation and enhance calorific value, the conversion of reject waste into Refuse Derived Fuel (RDF) is being promoted. In this regard, seven RDF plants have been established across the State, while six additional plants are at various stages of implementation, with a combined capacity of 730 tonnes per day. The details are given in Table 5.

Table 5. Status of RDF Plants			
Sl No	Plant Location	Plant Capacity (TPD)	Status

1	Thiruvananthapuram	100	Ongoing
2	Kollam	80	Planning stage
3	Ernakulam	40	Completed
4	Ernakulam	40	Completed
5	Ernakulam	60	Planning stage
6	Ernakulam	60	Planning stage
7	Ernakulam	60	Completed
8	Palakkad	40	80 % work completed
9	Palakkad	100	Completed
10	Malappuram	40	Completed
11	Kozhikkode	40	Completed
12	Kannur	60	Ongoing
13	Kasaragod	10	Completed
		730 TPD	

Rendering plants

Meat rendering plants process animal by-product materials for the production of tallow, grease, and high-protein meat and bone meal. Plants operate in conjunction with animal slaughterhouses or poultry processing plants. The Government of Kerala developed guidelines for the operation of rendering plants which led to the standardization of facilities. The facilities use wastes as an input material to create valuable products as new outputs. The aim of resource-recovery is to reduce the amount of waste generated and optimize the values created from waste. Here, the newly functioning plants lead to the management of around **1068** TPD of poultry waste which would have ended-up as waste and created a menace to the people.

Details of Existing Rendering Plants

District	No. of plants	Plant Capacity (TDP)
Kollam	1	185
Pathanamthitta	1	30
Ernakulam	7	242
Thrissur	2	6.5
Palakkad	6	93.25
Malappuram	16	305.5
Kozhikode	1	30
Wayanad	1	12
Kannur	2	54
Kasargod	2	110

Monitoring System

A total of 254 agencies have been empanelled for solid waste management activities in the State, of which 186 agencies are engaged in the management of biodegradable waste and 68 agencies are involved in non-biodegradable waste management. These empanelled agencies, in coordination with Clean Kerala Company Limited and 37,722 Haritha Kanna Sena members, have contributed to the establishment of a robust and decentralized solid waste management system across the State. The activities of these agencies are being systematically monitored to ensure the effective, efficient, and timely management of solid waste throughout Kerala.

The Harithamitram app is a smart garbage monitoring application introduced by the Government of Kerala to digitally coordinate and monitor solid waste management activities across the state. This app provides a real-time database on waste management from door-to-door collection to transportation and management at Material Collection Facilities (MCFs), mini-MCFs and Resource Recovery Facilities (RRFs). It supports monitoring from ward level up to state level, enabling officials to track performance, identify gaps and ensure timely

service delivery. The system has helped improve door-to-door collection performance, strengthen data tracking, and streamline service operations in line with scientific SWM norms embedded in state policy.

Status of proposed Waste- to- Energy Plants

Sl No.	Plant Location	Status of operation	Power generation
1	Palakkad Kanjikode	At Palakkad Municipality, around 50% of the construction work for the 110 TPD CBG plant has been completed.	110 TPD
2	Malappuram	8.09 acres of land identified by District Administration at Kurumbathur village Tirur taluk for setting up of WtE plant. The land is under possession of KSIDC. Details of this are reported to be submitted to Government already by LR Deputy & ROOHFWR	
3	Ernakulam Brahmapuram	Construction of CBG Plant ongoing	150TPD
4	Kannur Chelora	Work of plant can be started only after the work of Biomining is carried out. WIE plant is proposed in 9.7 acres of land after clearing the legacy waste. Tendering completed and 65 DPR prepared by Blue planet. Consent application is yet to be received. For biomining, volume of legacy waste - 1,22,844 m3 (NIT). First given to Zonta and they asked to revise the amount of biomining Again retendered and identified a suitable contractor, Jan AdharSevabhaviSanstha.Bio mining has already started. Agreement to be executed Bio-mining is already started (6500) cum is biomined (50%)	
5	Thrissur Corporation	Proposal for CBG plant in the district is at various stages of planning.	30 TPD
6	Thiruvananthapuram Corporation	Proposal for CBG plant in the district is at various stages of planning.	150 TPD
7	Kollam Corporation	Proposal for CBG plant in the district is at various stages of planning.	150 TPD
8	Kozhikode Corporation	Proposal for CBG plant in the district is at various stages of planning.	180 TPD
9	Changanassery Municipality	Proposals for CBG plant in the district is at various stages of planning.	20 TPD

Other interventions taken by the State in Solid Waste Management

Door-to-Door Waste Collection

In the fiscal year 2023–2024, there has been a significant increase in door-to-door waste collection coverage across the State. 100% door to door collection is ensured by special interventions at LSGI level. Haritha Mithram app facilitated developing systematic and professional approach on customized strategies for increasing the D2D coverage, user fee collection, segregated material movement, and scheduled transportation of waste from door steps to disposal facilities.

Registration of Unauthorized Dealers

Scrap dealers are pivotal in the non-biodegradable waste management process in Kerala, contributing significantly to the collection and processing of waste. They engage in collecting, sorting, and processing diverse scrap materials, such as metals, paper, plastics, and electronics, contributing to the reduction of waste reaching the mainstream. Efforts are underway to register them officially and evaluate the volume of waste they manage.

GPS Tracking Facility

To control the illegal dumping of waste, GPS tracking systems have been mandated for vehicles transporting waste. The Kerala State Pollution Control Board has created a web portal for real-time monitoring of waste-carrying vehicles, both interstate and intrastate. Additionally, vehicles involved in the transfer of non-bio waste have been equipped with security stickers embedded with holograms.

Sanitary landfill

The non-usable, non-recyclable, non-biodegradable, non-combustible and non-reactive inert waste and preprocessing rejects and residues from waste processing facilities shall only go to sanitary landfill and its specifications are given in Rule 15 of the Solid Waste Management Rules, 2016.

In the State, for a Regional Sanitary Landfill 25 acre of land has been earmarked by KINFRA at site of FACT at Ernakulam and action is being carried out to set up. Another secured landfill is under construction in Attingal Municipality.

VI. Bio-medical Waste Management:

As per Annual Report in the whole state for the year 2024-25:

- Total Bio-medical generation: 96773.817 kg/day
- No. of Hospitals and Health Care Facilities: 29465
- Total Bio-Medical waste treated : 96773.817 kg/day

Board has entrusted Council of Scientific and Industrial Research organization , National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) for conducting a detailed assessment of healthcare facilities in the Kerala state. The works include field inspection, field data collection; estimation of gap and for projected/ extrapolated requirements of CBWTF'S for next ten years and entered into an agreement.

VII. Hazardous Waste Management:

As per Annual Report in the whole state for the year 2023-24:

- Total Hazardous Waste generation: 44915.3351 Metric Tonne/year
- Total hazardous waste recycled: 2727.8695 Metric Tonne/year
- Total hazardous waste utilized: 54.165 Metric Tonne/year
- No. of Industries generating Hazardous waste: 2302
- Treatment Capacity of all TSDFs in the State: 27,50,000 MTA for 45 years
- Total hazardous waste treated (captive and Common) : 57451.16 Tonne/year

VIII . Plastic Waste Management:

- Total Plastic Waste generation: 68683.7 TPA (as per annual report in the whole state for the year 2024-25).
- Material Collection Facility – 1233 nos.; Resource Recovery Facility-136 nos.
- Processing including recycling- 66402.5 TPA
- Gap between current status and desirable level : 2281.2 TPA

IX. Details of Alternate Treatment Technology being adopted by the State/UT:

- Decentralized Wastewater Treatment System (DEWATS) system coupled with Phyto-remediation was provided in a slum area, Chathanad in Alappuzha, Kerala. The system consists of Anaerobic baffle reactor, planted gravel filter. Waste water from the houses in the colony is collected through pipe line and then it enters the anaerobic baffle reactor and then it is passed through planted gravel filter and treated sewage is discharged into drain
- Centre for Water Resources Development and Management, Kozhikode submitted “proposal for the study of sewer infiltration into water resources via isotopic tracing and treatment of liquid waste by constructed wetland” submitted to Indian National Committee on Ground Water(INCGW) on 25-10-2021, a response is awaited from the INCGW.
- FSTP at Madakkathara, Thrissur is funded by UNICEF. The unit consists of Anaerobic Stabilization Reactor, Tiger Bio-filter, Intermediate Tank, PSF, ACF, Chlorination unit and Treated water tank.



X. Identification of polluting sources including drains contributing to river pollution and action as per Hon'ble NGT order on in-situ treatment:

- Polluting sources including drains contributing to river pollution were already identified and according to that action plans were prepared and submitted to CPCB. STPs were proposed in the action plans wherever necessary. Measures for management of waste were also incorporated in the action plans.

XI . Details of Nodal Officer appointed by Chief Secretary in the State/UT:

- Vide G.O.(Rt)No.93/2020/WRD dated 28.01.2020 Government of Kerala nominated Deputy Secretary (Projects),Water Resource Department as the nodal authority, Government of Kerala for monitoring the compliance of the directions in the order on fortnightly basis and to maintain record of progress and to act as an accountable person to the Chief Secretary for the purpose.
- Vide G.O.(Rt)No.223/2020/WRD dated 12.03.2020 Government of Kerala appointed a monitoring committee comprising of Additional Chief Secretary, Water Resources Department as Chairperson and Principal Secretary, LSGD, Principal Secretary, Environment, Secretary, Water Resources Department and Staff officer to Chief Secretary as nodal officers & members.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

- Regarding OA 514/2019 (Solid Waste Management) Chief Secretary convened meetings on 22.09.2020 and 25.09.2020 Regarding OA 804/17 (Implementation of Hazardous and Other Waste Management Rules, 2016) Chief Secretary convened meeting of 16/10/2020. Additional Chief Secretary Labour Department had convened 1st meeting on the same for Chief Secretary on 09/10/2020. Meeting of State Level Advisory Committee (SLAC) on Waste Management, chaired by Chief Secretary is being conducted in the State regularly to

discuss the various matters. 38 such meetings were conducted in Kerala so far. Last SLAC meeting was conducted on 12.02.2021.

- Meetings were held by the Chief Secretary on 11-12-2020, 30-03-2021 and 05-04-2021 with the Stake holder Departments/ Authorities, to review the progress in implementation of the projects taken up on the basis of orders of the Hon'ble National Green Tribunal in O.A. No. 673 of 2018(PZ).
- RRC Meetings were held on 28/05/2021 and 23/06/2021 and Review meeting was held by the Chief Secretary on 31-05-2021. RRC meeting convened on 22.07.2021. Review meeting was held by the Chief Secretary on 27.07.2021. RRC meeting convened on 02.09.2021 and Review meeting was held by Chief Secretary on 09.09.2021. RRC meeting convened on 01.10.2021 and Review meeting was convened by Chief Secretary on 23.10.2021. RRC meeting convened on 29.11.2021 and Review meeting was convened by Chief Secretary on 16.12.2021. RRC meeting convened on 13.01.2022 and Review meeting was convened by Chief Secretary on 27.01.2022. RRC meetings convened on 23.02.2022,01.04.2022 ,15.07.2022,13.10.2022,2/12/2022,08.02.2023,13.04.2023,20.05.2023, 11.08.2023,11.10.2023, 27.12.2023, 17.02.2024, 23.03.2024, 12.06.2024,01.08.2024 and 21.11.2024, 17.12.2024, 05.03.2025, 29.08.2025
- Review meetings were convened by Chief Secretary on 31.03.2022, 19.04.2022, 26.5.2022, 21.6.2022, 15.07.2022 & 23.08.2022,18/10/2022 &21.12.2022, 09.02.2023, 31/07/2023,06.11.2023, 25.03.2024, 08.07.2024, 16.11.2024, 13.06.2025

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:

Latest Analysis report of Polluted River Stretches are attached as Annexure I of the Monthly Progress Report.

XIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

1176 notices under the provisions of Water Act has been issued from the Board to apartments/ hotels/houseboats/ industrial units as having no valid consent from the Board/ no sewage treatment plant / non functional sewage treatment plant so far. In Alappuzha district a total of 790 notices were issued including Closure Intention Notice and Consent Withdrawal Intention Notice were issued to 624 houseboats, 112 Closure Intention Notices and 54 Show

Cause Notices were issued other units including peeling shed/ resorts/ hotels for illegal discharge(unauthorized units) coming into the water bodies and to Vembanad lake. A total of 167 apartments/ restaurants are served notice in Ernakulam district. In Kottayam notices were issued to 215 units including 106 house boats and 109 apartments/ hotels/restaurants/ auditorium/ lodge/ service station/ nursing homes. In Kollam district 2 Closure Intention Notice and 2 show cause notices were issued to units functioning without Consent. Direction was also issued Neendakara secretary as wastewater discharge noticed from fish peeling sheds in Neendakara. Show cause notice issued to 2 corporations & 7 municipalities for isolations under Water Act and show cause notice for not imposing environmental compensation was issued to 2 corporations and 6 municipalities and hearing conducted on 07/09/2023.

XV. Ground water regulation:

Groundwater governance in the State is carried out through the statutory enforcement of the **Kerala Groundwater (Control and Regulation) Act, 2002**. As per the section 3 of the act, the Govt. of Kerala has been constituted the State Ground Water Authority in 2004, in order to regulate and manage ground water resources in the State. The **State Groundwater Authority** is responsible for the notification of areas (to regulate the extraction or use of ground water in any area, as required), regulation of groundwater abstraction, and the registration of drilling agencies. Since 2009, the Authority has been issuing **No Objection Certificates (NOCs)** for groundwater extraction to industrial and infrastructure establishments. The issuance of NOCs are based on the recommendations of the **District Level Evaluation Committee (DLEC)**, chaired by the **District Magistrate**. The DLEC considers proposals based on scientific reports, including pumping test studies conducted by the district offices of the Groundwater Department. To further streamline these processes, the State Groundwater Authority implemented specific guidelines for groundwater extraction effective from **April 15, 2018**.

In notified blocks-specifically **Chittur and Malampuzha** in Palakkad District and **Kasaragod Block** in Kasaragod District-a permit is mandatory for the construction of new groundwater abstraction structures (except dug wells for domestic use) and conversion permit is mandatory for drilled wells to be energized. From 2016 to December 2025, 6,127 permits have been issued for digging new wells in notified blocks, while 1,939 conversion permits were granted. To regulate private drilling activities, 376 no of private rig agencies have been registered, 669 nos of registration certificates for private drilling rigs were issued, and 92 no

of renewals were carried out in the State. The State Ground Water Authority has issued No Objection Certificates for 412 no of industrial units and 36 no of infrastructure units so far.

The Department has undertaken sustained awareness and outreach activities to improve compliance and promote ground water conservation and management to students, public officials, NGO's and people's representatives. A total of 451 mass awareness seminars on groundwater management were organized across the State during the period from April 2016 to December 2025.

For the year **2026-27**, the Department is proposed to intensify the implementation of the Act through wider public outreach and capacity building. About **70 awareness programs** are to be planned across the State, alongside the preparation of educational materials and handbooks for the public. Further strengthening of the State Groundwater Authority is envisaged through augmentation of scientific capability, including procurement of additional pumping test units, modern equipment, software, hardware and mobility support to improve regulatory oversight and groundwater resource management.

A statewide well census titled 'Neerarivu' has been carried out using a mobile application developed by KSREC with the support of Kudumbashree Mission. Data collection has been completed in 331 Panchayats covering about 22 lakh abstraction structures, and the information generated will support future water budgeting and policy formulation.

In addition, for effective regulation of bulk groundwater extraction and transportation through tanker lorries, the Government have issued specific procedural guidelines. Vide G.O.(Rt) No. 465/2023/WRD dated 18.05.2023, provisions were introduced for issuance of No Objection Certificates (NOCs) for bulk groundwater supply. Subsequently, detailed procedures for Groundwater Extraction for Bulk Water Supply have been prescribed as per G.O.(Rt) No. 97/2026/WRD dated 27.01.2026, streamlining the application, scrutiny, monitoring, and compliance mechanisms associated with such extraction. These orders strengthen regulatory oversight, ensure scientific assessment prior to approval, and facilitate sustainable management of groundwater resources in the context of commercial bulk supply.

XVI. Good Irrigation practices being adopted by the State:

Irrigation in Kerala is classified into two schemes.

- Major Irrigation and Medium Irrigation
- Minor Irrigation

The Irrigation department develops and maintains major and medium irrigation schemes/projects across the state. The primary activity of the Department is providing irrigation facility to the farmers of the State through its system comprising reservoirs, main canals, branch canals, feeder canals and other related infrastructure. The department maintains water distribution through the canal system. Water distribution is being carried out based on the cropping pattern of a particular area and a water distribution calendar prepared and approved by a committee headed by the District Collector with members of farming community, other stake holders and department officials. For proper distribution and maintenance of the canals Water Users Association (WUA)/ Farmers Association plays an important role.

1.Minor Irrigation

- Minor Irrigation schemes are divided into Class-I and Class-II depending on the ayacut served. Schemes serving above 50Ha up to 2000Ha are classified as MI Class-I. Lift irrigation schemes are also Minor irrigation schemes serving at least 40Ha. Aims to Construct RCBs, SWECBs, ponds, VCBs, check dams, salt water barriers, storage weirs, cross bars, and protection works etc.
- MI Class-I schemes Minor works like improvements to tanks and rivulet, construction of check dams, sluices, regulators, bunds, vented crossbars, salt water barriers, layout of channels and drainage structures etc are usually undertaken under MI Class-I schemes.
- MI Class-II Schemes Minor irrigation works including construction of vented cross bars, canals, improvements to natural drains etc are taken up under this scheme.

Lift Irrigation

- Lifting of water is required for irrigating fertile land at a higher elevation where gravity flow of stored water is not possible. Although mechanical lifting is required, these schemes are very useful and serve the marginal farmers of the State.
- Optimum utilization of water by supplying designed quantity
- Works involving lifting of water with a command area not less than 40 hectares come under this category.

- This will increase in the ground water table in high altitude areas, Ensure water availability to farmers before the cropping period.
- This will reduce agricultural loss in high altitude areas due to water scarcity, their by reducing distress to farmers.
- At present the Irrigation Department has under its control 450 Lift Irrigation Scheme (LI schemes) with a total Ayacut of 43170ha.

Micro Irrigation

- Micro-irrigation system is a modern method of irrigation in which water is delivered slowly. Usually in the form of discrete droplets, continuous drops, streams, etc. Micro-irrigation system is popular these days for its low cost and water-efficiency.
- The benefits of micro irrigation and precision farming are well demonstrated with an average increase in yield by three times. Pepper as a case in point shows enhancement from 1.9 kg/wine to 6/wine on precision agriculture. Coconut also shows increase in productivity to 150 nuts per plant as against 45 without precision irrigation support.
- In the coming year department is planning to implement atleast one micro irrigation scheme in each district with the coordination of line departments and farmers. Steps are initiated to identify the location as well as crops in coordination with the agriculture department.

XVII. Rain Water Harvesting:

In compliance with the directions of the Hon'ble National Green Tribunal, the Department continues to implement groundwater conservation and artificial recharge measures as long-term strategies for aquifer sustainability through the plan funded scheme "Groundwater Conservation and Recharge". Artificial recharge schemes are predominantly undertaken in public buildings and government institutions, with priority accorded to blocks classified as Critical and Semi-critical, where the Stage of Groundwater Development exceeds sustainable thresholds or indicates emerging stress on aquifer systems. However in the latest Government order i.e. G.O.(Rt) No.93/2026/WRD dtd 28/01/2026 department has been taken steps to recharge bore wells drilled for domestic and private purpose by providing 80% subsidy on pilot basis. Bore wells constructed in Critical blocks (Chittoor, Malampuzha and Kasaragod) and in the Semi Critical block Kattappana will be taken for recharge. the

From 2016 to March 2025, under the Groundwater Conservation and Recharge programme, 1179 recharge pits have been constructed, 65 open well or borewell recharge schemes were implemented, 16 small ring check dams were built, and 2 small ponds were renovated, resulting in a total of 1,262 recharge structures with an expenditure of 26.09 crore in the State. Further, during the financial year 2025-26, technical sanction was issued for works amounting to 600 lakhs, 58 schemes have been completed.

For the year 2026-27, the Department intends to implement about 300 no of recharge structures across the State. The programme will also include execution of recharge pit/direct dug well recharge/ bore well recharge, rejuvenation of small open ponds and small check dams in first and second order streams to ensure sustainability of the ground water resources. Implementation of recharge interventions will continue to be based on hydrogeological feasibility studies, scientific site selection and field supervision.

The Groundwater Department is the nodal department in the State for coordination and implementation of activities under the Jal Shakti Abhiyan - CTR, JSJB initiative with various line departments involved in water conservation activities.. As of February 2026, under the Jal Sanchay - Jan Bhagidari initiative in Kerala, a total of 9,170 works have been taken up across the State, of which 3,815 works have been completed and 5,355 works are in progress, with major concentrations in districts such as Palakkad, Kozhikode and Thrissur, and the activities are being subjected to regular monitoring to ensure timely completion and effectiveness.

This is for favour of information and further necessary action.

XVIII. Demarcation of Floodplain and removal of illegal encroachment:

Kerala receives about 90% of the annual rainfall during the monsoon months from June to August and from October to November. The remaining period from December to May is practically dry. Most of the rain water received during monsoon period flows to sea within 48 hours of rainfall due to the character of the geographic terrain of the state.

- State Disaster Management plan 2016 was prepared by National Centre for Earth Science Studies in 1:50,000 scale using satellite images.
- Based on the request of central water commission, Government of Kerala constituted Regional Committee for scientific assessment of Flood prone areas in Kerala.

- Flood-level marking for the flood affected rivers has been carried out. Steps have been taken for conducting the studies regarding Flood plain Zoning. Due to the peculiar topography and dense population, evacuation of people from these zones is difficult.

Flood plain zoning is considered as an effective measure for flood management. As far as Kerala is concerned, the topography and total number of rivers, major lakes and other water bodies are entirely different compared to other states. Since Kerala has 44 rivers, except three rivers, all are west flowing; that is about every 14 km (average) there is a river. It may please be noted that the width of Kerala varying from roughly 30 to 120 km, and the total geographical area is 38863 km². Kerala is the 21st largest Indian state by area. As per census of 2011 the density of population per square kilometer is 859. By considering the above facts, implementation of zonation and demarcation of priority areas/non development zones will affect the populace of Kerala or leads to displacement from their ancestral settlement. This is why the Model Bill of 1975 issued by CWC has not been implemented in Kerala. However intensive contour may delineate and notification of limits of flood plains through LSGIs is a possible way out as far as Kerala is concerned to avoid future developmental activities in such area, for which a policy decision is necessary.

Desilting:- Flood havoc in 2018& 2019 very much affected the storage capacity of several regulators and check dams due to the accumulation of silt/ sand and other debris. In some cases, the proper functioning of the regulators become halted due to the accumulation of the above said materials.

Vide G.O (Rf) No.50/2019/WRD dt 08-11-2019 Government issued AS for desilting of 6 structures, namely Cheruthuruthy check dam; Changanamkunnu regulator; Manjummel regulator; Purappallikavu regulator; Velliyankallu regulator cum bridge; Pookkottumana regulator cum bridge

The work for desilting of 6 regulators/ check dams were tendered and the works are in different stages.

Along with irrigation structures action were taken to desilt the dams as a pilot project to enhance the storage capacity which results more outflows and ground water recharge. Mangalam dam, Chuliyar dam, Meenkara dam and Walayar dam are the four dams listed. Apart from the above Irrigation department has initiated action to prepare an inventory of the present status of all the rivers in Kerala by entrusting the job to Executive Engineers.

The primary objective is to find out the obstructions to free flow in rivers. It is expected to complete the process within a month and draft reports/ status reports were also be ready. As a follow up, the department intends to desilt the river stretches which need urgent action to avoid flooding in the vicinity; by utilising the amount announced in the Budget.

Encroachments can be assessed after detailed survey with the help of Revenue Department. Executive Engineers entrusted with ownership of rivers have been directed to identify the encroachments along rivers and prepare a list at the earliest Public Grievance report form has been developed in department website. 300 petitions were forwarded to the revenue officials for remedial action. 133 petitions also received since then are also forwarded to the concerned. P

XIX. Maintaining minimum e-flow of river:

- As per order of the Hon'ble NGT Order in OA no.498/2015 it is mandatory to maintain 15%-20% of average lean season flow in the river. E-flow can be assessed in many ways. Hydrological methods and holistic methods are generally used for this purpose. A good Hydrological data is maintained at IDRB Chief Engineers office at VikasBhavan. Steps have been initiated to collect last 25 years average flow details of all 44 rivers during summer season, ie from January to May.
- Ministry of Water resources, RD& Ganga Rejuvenation issued a notification (SO.5195 (E) dated 9.10.2018) to maintain e-flow in River Ganga. Hon'ble NGT order has given some relaxation to status , which are unable to adhere to the average percentage fixed as e-flow CE (I&A), & CE (IDRB) made discussion in this regard and action has been taken by IDRB to compile the last 25 years discharge of rivers. As per the report of Kerala State Disaster Management Authority (KSDMA) nearly 15% of the land area of the state prone to flood. On two (2) occasions, GOI (CWC) and Ministry of Environment Forest and climate change had circulated model bill on (i) Flood Plain Zoning (1975) (II) River Regulation Zone (2015). Considering the already enacted regulations vizi) Forest area ii) Coastal Regulation Zone (CRZ), the topography of the state, high population density , and number of rivers, Government has not yet taken a policy decision in this matter. The State Government has sent the apprehension of the State to GOI with regard to River Regulation Zone Bill.
- As per the direction of the Additional Chief Secretary (WRD), meetings were conducted with Chief Engineer, IDRB to discuss the availability of historical data. To

carry forward the study of e-flow a training was arranged on 12.09.2021 to the engineers entrusted for e-flow calculation. A review meeting in this regard was also conducted on 01.10.2021 and in the meeting it was decided to calculate e-flow of the rivers, Meenachil and Manimala as pilot project. Data collection for Manimala river completed. Data collection for Meenachil, Kadalundi, Karamana and Vamanapuram is in progress.

- It was decided in the last RRC meeting that an expert committee to be constituted to recalculate the e-flow. Accordingly an initial discussion of the technical committee has been convened and it has been decided to recalculate the e-flow for the rivers on the revised methodology. Secretary WRD directed (08/2023) to conduct a meeting with KSEB authorities, to collect required data for the e Flow calculation. Also details of dam, ground water, amount of water ejected out from hydro electric projects in various seasons are to be collected for the calculation of flow. For these, the Expert committee framed for vetting e Flow needs to be restructured to include representatives from KSEB, Fisheries, Environmental Scientists, etc. Hence we have requested to the above departments to nominate suitable officials from their department /institution who have expertise in e-flow analysis/who can contribute to the same to be included in the Expert Committee. Follow-ups are going on. Based on the direction from the Administrative Department, an Expert committee was constituted for vetting the same. The first meeting of the committee is scheduled to be held on 10.01.2024. The present e flow calculation was done in line with the old methodology as per the direction of NGT. As per the existing NGT order the minimum E flow calculation required is 15-20. Since it is based on the flow of Himalayan fed rivers, the same method cannot be applied to Southern states which are monsoon fed. Hence a new methodology is required. An interdepartmental Expert Committee has been constituted for calculation of e-flow. 3 Meetings of the committee have been convened, and as per decision of the committee, Kuttiyadi river was selected as pilot project for arriving the new methodology for e flow calculation, and CWRDM is assigned with carrying out same.
- Fisheries data for Kuttiyadi river was obtained from the Fisheries Department and data collection regarding cross section of river from the Hydrographic survey wing is in progress. Reconnaissance survey for 14.6 Km has been conducted by Hydrographic

survey wing and detailed estimate submitted to Head office for approval. The methodology for E flow calculation of Meenachil river was carried out by IDRB. The methodology in this regard is under review. The methodology was presented in the 4th meeting of the Expert committee 06.06.2024

XXII. Reuse of Treated Water:

Draft policy on treated waste water reuse is under preparation by Suchitwa Mission

XXIII. Model River being adopted by the State & Action proposed for achieving the bathing quality standards:

Tirur-Ponnani River, Malappuram

XXIV. Status of Preparation of Action Plan by the 13 Coastal States:

As per the NGT order in O.A 829/2019 dated 22.06.2020 regarding the remedial action to restore sea water quality along the Indian Coastal areas, the Hon'ble NGT ordered that "All States/UTs through their concerned departments such as Urban/Rural Development, Irrigation & Public Health, Local Bodies, Environment, etc. may ensure formulation and execution of plans for sewage treatment and utilization of treated sewage effluent with respect to each city, town and village, adhering to the timeline as directed by Hon'ble Supreme Court. STPs must meet the prescribed standards, including fecal coliform. CPCB may further continue efforts on compilation of River Basin-wise data. Action plans be firmed up with Budgets/Financial tie up." In compliance with the order, CPCB instructed that the State PCB shall associate National Centre for Coastal Research, Chennai under Ministry of Earth Science for monitoring and assessment of coastal water within the jurisdiction of the Kerala State up to 5 km from shore and to evolve strategies for protection of the coastal areas in association with Coastal Zone Management Authority in the State and Prepare time bound comprehensive action plan along with implementing agency in consultation with Kerala State Coastal Zone Management Authority for control of coastal pollution in Kerala State. Also the State Government has instructed the Board to prepare action plan by consulting CUSAT. Based on this, the Member Secretary of Kerala State Pollution Control Board has conducted meeting

with officials of CUSAT, National Centre for Coastal Research, Kerala State Coastal Zone Management Authority and also with the field level officers through video conferencing. The Action plan was forwarded to CPCB. CPCB put forward some suggestions and requested to modify the action plan upon concurrence with River Rejuvenation Committee. So, the Coastal Action Plan prepared has been forwarded to the concerned Stakeholder Departments for their remarks. Meetings in this regard convened on 23.07.2021 and 02.08.2021. The modified Coastal Action Plan was approved by RRC and the same has been submitted before State Govt. for approval. The Coastal Action Plan was submitted to CPCB with the approval of State Govt. The Coastal Action Plan is being revised with projected population for the year 2024.

XXV. Regulation of Mining Activities in the State/UT:

Indian parliament has enacted the Mines & Minerals (Development & Regulation) Act, 1957 and it stipulates for the conservation, prudent and discriminate exploitation of minerals with a view to secure maximum benefit to the community. In exercise of powers conferred by section 13 of Mines and Minerals (Development & Regulation) Act 1957, the Central Government has framed the Mineral concession Rules, 1960. The Central Government has also framed the Mineral Conservation and Development Rules, 1988 in exercise of the powers conferred by section 18 of the Act. These Rules are applicable to all minerals except coal, atomic minerals and minor minerals. The powers of framing rules for minor minerals have been delegated to the State under section 15 of the mines Act. In exercise of the powers conferred by section 15 (1) of the Act the State has framed the Kerala Minor Mineral Concession Rules 2015 and Kerala Minerals (Prevention of Illegal Mining, Storage and Transportation) Rules 2015 for the regulation and extraction of minor minerals. The Central Government in exercise of powers conferred by section 18 of the Act has also framed the Granite Conservation and Development Rules, 1999 for conservation & systematic development and scientific mining of the granite resources. The grant of reconnaissance permit, prospecting license or mining lease are governed by the central Act. The State with the prior approval of the Government of India grants permission for reconnaissance permit, prospecting license or mining lease for major minerals. The state Government issue quarrying permits and leases for minor Minerals based on the Kerala Minor Mineral Concession Rules,

2015. Other Acts and Rules which govern the mineral administration of India applicable to the State are the following:

- The Mines Act, 1952 (Act 35 to 1952)
- The Mines Rules, 1955 (35 of 1952)
- The Metalliferous Mines Regulations, 1961
- The Mines Rescue Rules, 1985
- Mines Vocational Training Rules, 1966
- Payment of wages (Mines Rules , 1966)
- Payment of undisbursed wages (mines rules, 1989)
- The Indian Explosive Act, 1884
- Air (Prevention & Control of Pollution) Act, 1981(14 of 1981)
- Environment (protection) Act, 1986 (29 of 1986)
- Indian Registration Act, 1908 (Central Act of Act 16 of 1908)
- Kerala Protection of River Banks and Regulation of Removal of Sand Act, 2001
- Kerala paddy field and wetland conservation Act, 2008.
- Kerala Panchayath Act.

There is no large scale mining activity in Kerala as in other parts of the country. Almost all the mines are open cast and limited in areal extent. The important mines of major minerals are china clay, laterite/bauxite, limestone and lime shell. Mineral sands and silica sand are excavated by scooping and quartz is being extracted by taking trenches and pits. The important minor minerals in the state are granite, building stones, dimension stone, laterite, tile/brick clay and ordinary sand. The state owns mineral deposits like placers, china clay (kaolin), limestone, silica sand, bauxite, graphite, iron ore, granite etc.

The major mineral based industries like Indian Rare Earths Ltd. (Chavara), Kerala Minerals and Metals Ltd. (Chavara), Malabar cements (Walayar), Travancore cements Ltd. (Kottayam), Kerala ceramics (Kundara) Travancore Titanium products Ltd. And English Indian Clays Ltd, Thiruvananthapuram, Excel Glass Industry, Alappuzha, KeralaClays and Ceramic Products Ltd. (Pazhayangadi) are some of the mineral based industries working in the State since several years. A number of tile based industries are also functioning mainly in Thrissur and Kozhikode districts.

In exercise of the powers conferred by section 15(1) of the Mines and Mineral (Development & Regulation) Act, 1957, the State has framed the Kerala Minor Mineral Concession Rules 1967 for regulating the extraction of minor minerals. The State with prior approval of the Govt. of India grants permission for reconnaissance permit, prospecting license or mining lease for the first schedule minerals on first cum first served basis. In addition to EIA requirements as stipulated by the Central Govt, an EIA report is insisted on all mining activities before granting mining lease. No quarrying permits or leases are granted in the State unless there is a Mining plan duly approved by the competent authority. Afforestation of the reclaimed areas is promoted. Environment Rehabilitation is insisted in all mining projects.

The Kerala District Mineral Foundation Rules 2018 has been formed with an objective to work for the interest and benefit of persons and area affected by mining related operations. The permissible activities under District Mineral Foundation includes among other things, developing sources of irrigation, development alternate sources of energy and rain water harvesting, conservation measures of biodiversity of the affected areas.

The expert study in all selected quarries in Kerala was carried out with one day for ambient air quality measurement (without the operation of quarry) and next day with the operation of the quarry. Individual site reports with the observations on dust, noise and mine pit water quality was prepared by the monitoring team of KSPCB for all the nine quarry sites.

XXVI. Action taken status with regard to directions issued for prohibition of immersion of idols, puja materials and other items of religious offerings in rivers & other water bodies in particular during the occasion of festivals

- Regarding the Ganesh Utsav celebration and immersion of idols, it may kindly be noted this is not widely practiced in the State of Kerala. The Board had instructed the District offices to conduct monitoring of water bodies where immersion of idols is practiced on a large scale. Water quality was carried out in three stages-pre immersion, during immersion & post immersion periods. A press release was also issued by the Board in connection with the festival for information of the public on the guidelines for immersion, issued by CPCB. In Kerala idol immersion are not celebrated as a major festival. The Govt. take steps to avoid water pollution due to immersion of idols. If to celebrate natural clay and colours are being used and that too in artificial ponds arranged by local authorities

- During Sabarimala festival season, there is a traditional celebration “Pettathullal”, for the same the pilgrims will apply coloured Kumkum on their body. It was directed that only natural colours shall be used for the celebration. Separate arrangement like shower bath are provided for carrying out bath after the celebration, in order to avoid the reach of coloured water into the main waterbody. The waste water from the shower bath location will be treated in ETP provided.

XXVII. Current status of water quality of rivers based on draft revised categorisation of CPCB

- Out of 21 stretches, the following 11 stretches delisted from PRS. Mogral- at Kasaragod, Kuppam, Peruvamba, Ramapuram, Kavvayi- at Kannur, Bharathapuzha, Bhavani- at Palakkad, Kutiyadi-Kozhikode, Kecheri, Karuvannur, Puzhakkal- at Thrissur
- Due to improvement in water quality priority class of the following 4 rivers has been shifted to lower priority class. No priority I and II rivers in Kerala now.
 Karamana, at Thiruvananthapuram- Priority III (from Priority-I)
 Manimala at Alappuzha – Priority V (from Priority IV)
 Pamba at Pathanamthitta – Priority V (from Priority IV)
 Kadambrayar at Ernakulam –Priority V (from PriorityIV)
- As per the report of CPCB on “Polluted River Stretches for Restoration of Water Quality, 2025”, a total of 32 polluted river stretches/locations (polluted River stretches (14 nos)/ locations (18 nos)) have been identified in the State of Kerala. (Priority III - 2 river stretches/ locations; Priority IV - 4 river stretches/ location & Priority V - 26 river stretches/ locations)



MEMBER SECRETARY

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.1.1	Pumping lines from the terminal pumping stations namely Kuriyathi, Pattoor, Kannammoola and Enchakkal pumping stations are to be connected directly to STP at Muttathara	Kerala Water Authority	May 2019	Completed	Completed	completed	-	AS not obtained for the pumping main from Pattoor, Kannammoola & Enchakkal
	Kuriyathi pumping line	Kerala Water Authority		Completed	Completed	completed	100	Work Completed.
2.1.2	Rehabilitation/upgradation of Thaliyal and Aranoor Sewerage Pump house by rehabilitation of existing well, construction of new well and grit chamber, installation of new pump sets	Kerala Water Authority	May 2020	Completed	Completed	completed	100	Work Completed.
2.1.3	5 MLD sewage treatment plant at Medical College	Kerala Water Authority	May 2020	Completed	Completed	completed	100	Work Completed.
2.1.4	Installation of adequate pumps in Mudavanmughal and Enchakkal pumping stations	Kerala Water Authority	March 2020	Completed	Completed	completed	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	Completed	Completed	completed	100	Work Completed.
2.1.6	Reconnect sewer at Rajaji Nagar, stop outflow of sewage into Amayizhanchan thodu, control storm water entry into sewer to avoid overflow in Thampanoor area Sewage generated in Rajaji Nagar shall be diverted to main sewer line Sewage generated in Thoppil area shall be diverted main sewer line	Kerala Water Authority	Dec 2020	Completed	Completed	completed	100	Work Completed.
2.1.7	Discharge of sewage in Parayil kadavu shall be stopped as there is overflow of sewage reaches in houses having sewerage connection and this may lead to discharge of sewage into River Karamana	Kerala Water Authority	Completed	Completed	Completed	completed	100	Work Completed.
2.1.8	Divert the sewer line from the School compound of Government Karamana High School	Kerala Water Authority	Awarded	Completed	Completed	completed	100	Work Completed.
2.1.9	Rehabilitation by laying new lines increasing size of undersized main and reconstruction by dilapidated manholes for the last 3 years	Kerala Water Authority	May 2020	Completed	Completed	completed	100%	Works completed - 75 No (Rs. 15.41 cr) AMRUT - 44, State Plan - 28 MLA ADF/SDF - Completed
	Total works in progress (76No.) Works dropped (2No.)						Dropped – 2 No. (Rs. 1.52cr.) State plan-2	2 works dropped due to not getting offers on repeated tenders & Expiry of AS. Later it placed for AS in State Plan & Completed
2.1.10	Extension of sewer network wherever technically feasible in new areas of existing blocks	Kerala Water Authority	May 2020					Works completed - 24 No (Rs. 17.21 cr) AMRUT-12, State Plan- 11 Nos, 4 Nos ongoing MLA ADF/SDF-1

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
	Tendering/ To be arranged (1No.) Land acquisition -1 In progress-3						Land aquisition completed	Land acquisition process for all 4 works completed and land handed over to KWA and LA for the work of laying sewer trunk main from Murinjapalam towards Kannammoola - Joint site inspection of the site by KWA officers and LA Tahsildar were conducted on 27.02.24 for assessing the land value. LA 11(1) LA in progress Final stage. Revised AS obtained in state plan 2021-22, - 2.36 Cr demanded. Remittance of 2.36cr completed in 3 phase. Balance AS amount for Rs.49.68Lakhs as per the revised demand from Spl. TahsildarAdministrative Sanction is obtained for this vide proceedings no. KWA-JB/4401/2024-AE1 PIU1 KWA-Part (2) dated 22.02.2025. Action is being taken to settle the matter. And land handed over to KWA AS obtained for arranging the work under State Plan 22-23 and one work arranged and one tendered.This tendered work re-casted and placed under State Plan 2022-23, AS received and tendered. Agreement Executed and pipe supplied and work in progress -50% completed. Killi River Crossing permission obtained. River crossing pipe laying delayed due to rain and restarted the same on 29.01.2025. Work 58% completed. Four pile caps under construction. Work will be completed within 60 days. Box culvert work 100%completed. For another work 26% completed. No further progress in the work by the contractor after March 2024. The contractor steps back from contract. Recommended to terminate the work and arrange the work at risk and cost. But, now the contractor restarted the work. Trial HDD done. Delay occurred due to pubic protest for changing the alignment. Work will be completed within 30 days JB/4401/2024-AE1 PIU1 KWA-Part (2) dated 22.02.2025. Action is being taken to settle the matter. And land handed over to KWA . AS obtained for arranging the work under State Plan 22-23 and one work arranged and one tendered.This tendered work re-casted and placed under State Plan 2022-23, AS received and tendered. Agreement Executed and pipe supplied and work in progress -50% completed. Killi River Crossing permission obtained. River crossing pipe laying delayed due to rain and restarted the same on 29.01.2025. Work 58% completed. Four pile caps under construction. Work will be completed within 60 days. Box culvert work 100% completed. For another work 26% completed. No further progress in the work by the contractor after March 2024. The contractor steps back from contract. Recommended to terminate the work and arrange the work at risk and cost. But, now the contractor restarted the work. Trial HDD done. Trial pit done. Delay occurred due to pubic protest for changing the alignment. Work can be completed within 30 days.
2.1.11	Procurement of sewercleaning machines and equipment maintenance	Kerala Water Authority	Mar2020			completed	100	work completed
Solid Waste Management ActionPlan								

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
SL.No	Activity	Implementing Agency	Unit	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.1	Slaughter house and poultry waste	Thiruvananthapuram Corporation	Rendering plant	Slaughterhouse Kunnukuzhy- inagurated on 30/08/2025. Poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor.	Slaughterhouse Kunnukuzhy- inagurated on 30/08/2025. Poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor.		97	Slaughterhouse Kunnukuzhy- inagurated on 30/08/2025. Poultry waste- TMC has started collecting poultry waste coming under the jurisdiction of 25 HI Office from 1st November 2019 with online tracking of vehicles. The entire poultry waste generated in the Corporation area is collected and sent to the rendering plant at Elloor.
2.2.2	Sanitation facility and treat of waste water in the markets of Pangode, Kumarichanda		Treatment plant (2 Nos) Portable aerobic bins (4 Nos)	New project, Approved by DPC Project no - 1835/26				New project, Approved by DPC Project no - 1835/26

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.3	Provide facility for the treatment of sewage, sullage and garbage generated in the Poonthura slum area between Karamana river and sea	Thiruvananthapuram Corporation	Aero bins at various places(28) Proposed sites 1. Moonnathumukku – Purampoku 2. Poonthura – HI Office 3. Cheriyanmuttam – Poonthura 4. Beemapally Compound 5. TsunamiColony 6. Mother Theresa Colony 7. KumariChantha 8. PoonthuraMarket 9. Moonnattumukku bridge 10. Ambalathara – Nilama 11. Fishermen Flat – Muttathara 12. Perunalli Market road 13. Poundkadavu old market 14. Market behind Attipra zonaloffice 15. Tsunami Colony near 110KV tower (Poundkadavu) 16. Near ValiyavilaVeli St. Thomas Church (Poundkadavu) 17. Near Kamalesshwaram HSS 18. Valiyaveetil Residence association 19. Near ArannoorGovt Quarters 20. Kunjalumoodu Junction 21. KumarapuramTha marabhagam (near comfortstation) 22. NaerKannammoola Bridge 23. Mannanthala Market 24. Santhi Nagar Residents association 25. AlantharaKattayil 26. UlloorMarket 27. Museum RKVRoad 28. New Nalantha Road	KWA has prepared DPR of sewer line to Poonthura Manikkavilakam Bheemapalli East and Thiruvallam area for an amount of Rs 88 Crs, AS not yet received.			50	Only 13 Locations work completed out of 28 Nos. This area will be covered in the master plan for providing sewer line for the full capacity utilization of CSTP at Muttathara and by providing Decentralized STP where there is land availability- KWA

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.4	The discharge of waste water from the surrounding houses to the pond at Jagathy is to be stopped	Thiruvananthapuram Corporation	Pond de-silting Issued notices to thehousehold Project is prepared for de-silting the pond	Corporation has to take a solution for this, as this area is at low level and it is not possible to connect this to existing sewer network.				
2.2.5	Around 155 Houses in Kurukuvilak om, Kannettumukku shall be provided with septic and treatment system	Thiruvananthapuram Corporation					Dropped. When the full capacity utilization of CSTP at Muttathara shall be ensured, this area will be covered as it is situated along the banks of Karamana – Killiyar River - KWA.	-
2.2.5	Identification of illegal outlets into storm water drains and fine shall be imposed on such units	Thiruvananthapuram Corporation	Fine imposed and prosecution initiated				2829440 lakhs fine collected from 2019 to till date (Dec 2025)	854570 fine collected from April 2024 to till date (Dec 2025)
2.2.6			Bio-Composter (No. 50,000)				Installed 51,557 bins in total. Tender invited for installation of 50000 bio compost bins. Proposal approved by the health standing committee. Proposal placed in the health standing committee and forwarded to purchase committee for negotiation done, placed before council. Out of which 24657 bins were distributed	82. Installed 76214 bins in total.

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.7	Biodegradable waste	Thiruvananthapuram Corporation	Thumboormuzhi aerobic bins (No 154)				Total 154 locations Completed works (Total - 159 units) Santhikavadam - 3 units, Manathala - 3 units, ITI chackai – 11 bins Kalladimukham – 32 bins Neerazhi Market, Ulloor – 6 bins Thumba station kadavu – 4 units Womens college – 4 bins completed will be handovered soon. Sanskriti College – 5 bins Near Peroorkada Market-35 Kamaleshwaram, Karamana PRS opposite, Cotton hill LPS ,Cotton hill HSS-25 Poojapura-10 Inside Pratheeksha flat- 16 Manvila Market-5 Work in progress Kuravankonam – 4 bins	Total 563 bins installed in 62 location.
2.2.8			Community biogas (No. 12)	Out of total 20 nos under maintenance ,9 have been completed			Total 13 locations – Institutional Level. Work completed – 6 locations - Vanitha jail and Central jail, Poojapura - 100kg/day, Govt L P S, Kanjirampara - 100kg/day and Womens College, Vazhuthacaud - 500kg/day. Work at Law collage, Palayam - 500 Kg/day, University campus, Palayam - 500Kg/day and Govt. High school, Kulathoor – 100Kg/day. Ongoing Works are : Mental Hospital, Oolampara – 500 kg/day, General Hospital – 500 kg/day, DPL, Jagathy – 100 kg/day.Govt Panchakarma Hospital - 100 kg/day Remaining 2 sites will start soon.	27 nos installed, Only 2 in working condition
2.2.9			Organic Waste Converter (No. 1)	Dropped			Dropped	Dropped

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.10			Portable biogas (No. 200)	Dropped			Dropped	Dropped
2.2.11			Portable aero bins (No.100)				28 more units installed. Total 125 units installed - project completed	Project completed
2.2.12			Ring compost (No. 500)				Project implementation started. Installed 350 units. Rest of the bins will be installed soon. Action on going	Installed 350 units
2.2.13			Segregation bins (No. 1,00,000)				Dropped	Dropped.
2.2.14			RRF (No. 7)				Total 2 locations. (i)Work in Manacaud site completed. Tendering activities for electrification are in progress. (ii)Kalladimugam RRF work completed. The operation will start soon.	Work completed
2.2.15			Plastic Recycling unit (No. 1)	Site not yet identified. Project dropped			Site not yet identified. Project dropped	Site not yet identified. Project dropped
2.2.16			Mobile MRF (No. 5)	Dropped			Project dropped	Dropped
2.2.17			Electronic Weigh bridge (No. 1)	Dropped			Project dropped	Dropped
2.2.18			Solar electrical cart (No. 25)				Work completed.	Work completed
2.2.19			Swaps shops (No. 4)				Work completed. Revised estimate approved by council.	Work completed. Revised estimate approved by council. Final part bill will be issued soon
2.2.20			PET bottle crushing (No. 15)	Dropped			Project dropped	Project dropped
2.2.21			Community level unit Napkin destroyer (No. 102)				During Trail run the unit is found to be incompetent 158 Nos purchased and installed at various locations	158 Nos purchased and installed at various locations
2.2.22		Thiruvananthapuram Corporation	Animal Crematorium at Kattela	Dropped			Project dropped	Project dropped
2.2.23		Thiruvananthapuram Corporation	Urban Gardening	Dropped			Project dropped	Project dropped
2.2.24		Thiruvananthapuram Corporation	Upgradation of present facilities				Completed.	Completed
2.2.25		Thiruvananthapuram Corporation	Capacity Building & IEC				A training programme was conducted for HI/JHI on 2023 September 23,24 and 2024 January 22,23,24,25	A training programme was conducted for HI/JHI on 2024 January 22,23,24,25 &2024 September 23,24 .
2.2.26		Thiruvananthapuram Corporation	Viability gap Fund				Issue of Seventh phase of VGF to Haritha Karma Sena completed	Nil

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.2.27	Prevent entry of storm water into sewer line along with KWA	Thiruvananthapuram Corporation	KWA is authorized to prepare and implement proper sewerage lines under Amrut scheme				Close monitoring is done by health Squad and all Health Inspectors are directed to issue notice and prosecution.	Close monitoring is done by health Squad.
2.2.28	Take steps to prevent the solid wastes in sewer line as reported by KWA	Thiruvananthapuram Corporation	Squad andFines Special squad is formed at Corporation level. Health Inspectors are authorized for regularly monitoring and preventing the wastedischarge	Corporation collected an amount of Rs.8368922/-- as fine from April 2024 to October 2025			Employees were placed at various spots during night to prevent dumping of solid waste in drains and fines are being charged. Regarding to waste throwing to public places Corproation collected an amount of Rs.9089569/- as fine from April 2024 to November 2025	Employees were placed at various spots during night to prevent dumping of solid waste in drains and fines are being charged. Regarding to waste throwing to public places Corproation collected an amount of Rs.9581699/- as fine from April 2024 to December 2025
Monitoring								
	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
2.3.1	River water quality monitoring - Killiyar, Karamana, Parvathiputhanar, Akkulam-Veli lake	Kerala State Pollution Control Board	Ongoing; monthly					1 Establishment of real time water quality monitoring station is going to install in Karamana river 2 Work order has been issued to aces nano technology private Ltd.
2.3.2	Storm drains monitoring - Amayizhanchan thodu, Ulloorthodu, Pattom thodu, Kannamoola thodu, Thekkanakkara canal	Kerala State Pollution Control Board	Ongoing Seasonal monitoring – pre- monsoon, monsoon, post-monsoon					Monitoring going on
2.3.3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc in Thiruvananthapuram Corporation area	Kerala State Pollution Control Board	Ongoing Interval: Red – 1 month. Orange – 3 m. Green – 6 m.					continuous process
2. Long termPlan								
Seweragenetwork								
	Long term measures proposed	Implementing agency	Amount Required (Rs. in Crore)	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.1.1	Extension of sewerage system to Block F to G coastal belt	Kerala Water Authority	200				AS not received	Consultant appointed for preparing Detailed Project Report for uncovered wards of the Thiruvananthapuram Corporation and Rehabilitation of existing system was terminated from the contract due to breach of contract by the firm vide Proceedings No.KWA/SE/SEW/EOI/REPL/338/2020-2021 of theSuperintending Engineer,Sewerage Circle, KeralaWater AuthorityThiruvananthapuram dated 31.05.2022 to arrange the balance work at their risk and cost. As directed in the Chief Secretary, GoK’s meeting dated 21/06/2022 to do the Preparation of DPRs internally, action taken
3.1.2	Extension of sewerage system to Block H to R	Kerala Water Authority	700				”	
3.1.3	Extension of sewerage system to Newly added areas of corporation viz,	Kerala Water Authority	300				”	
3.1.4	Providing sewerage system in Block A to E	Kerala Water Authority	100				”	
3.1.5	Rehabilitation of existing Network and pump house in block A toE	Kerala Water Authority	100				”	
3.1.6	Procurements of equipments for maintenance seweragesystem	Kerala Water Authority	10				”	

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.1.7	Additional STP requirement	Kerala Water Authority	60				”	accordingly. Meanwhile the terminated firm M/s REPL filed a complaint against KWA in the Hon’ble High court of Kerala (WP(C) No 26031 of the year 2022) and obtained a stay against KWA at first up to 22.08.22 which is then got extended up to 14.09.22 against taking any coercive actions. DPR preparation of sewerage system to the uncovered areas of TMC is now being carried out internally by KWA. The total wards were divided in to 10 clusters. Cluster 1 comprises of 5 wards Attukal, Kalady, Kallipankulam, Ambalathara and kamaleswaram wards – The DPR for 3.1.7 Additional STP requirementCluster 1 was submitted on 13/10/2022 for AS.Later as per the direction of Secretary Thiruvananthapuram Corporation the DPR for Cluster 1 was revised including Zone 1&5 for Rs.91.00Cr and Zone 3&4 for Rs.66.50Cr and was submitted to Corporation on 28.12.2023 for getting AS under UIDF. AS received for thesetwo works and workstendered. As the two bidders who quoted for the Tender of Cluster 1 (ZONE-III Kalady Part) &(ZONE-IV AttukalPart) was disqualified, the work retendered. Work order issued and work started. In case of Cluster zone I&V also the two bidders who quoted the tender were disqualified and recast the estimate of this by seperating zone V. Tender for cluster I tendered but both the bidders disqualified in the prequalification process. Action is being taken to retender the work. Cluster 3, which was originally consisting of Thiruvallam, Poonkulam and Vellar is the second in the priority list and was taken up. This Cluster is then modified by adding more wards and is divided into 3 zones. Zone 1 of cluster 3 is consisting of Puthenpally and Part of Muttathara (until STP) was taken up on priority based on the demand of Thiruvananthapuram Corporation. DPR of Cluster 3 Zone 1, Puthanpalli ward for 1.5 MLD prepared but confirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham,Vettucaud, Vallakadavu,Beemapalli (part),Beemapalli East (part),Valiyathura and Kadakampally is under preparation. DPR for Cluster 3 Zone1&3 revised and is under scrutiny for submitting the same to Corporation for getting AS under UIDF.Sewerage network with 5 year O&M and without centage submitted to Corporation under AMRUT2.0 on 11/1/23.The DPR of Cluster 3 Zone 2 and Zone 3 is prepared and submitted on 21.01.2023.The DPR for cluster 2 submitted on 27.02.2023 and is verified and kept in Shelf. The DPR for cluster 4 (Thirumala Thrikkannapuram and

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
								Punnakkamughal wards) is prepared and submitted on 30.03.2023.As suggested for identifying Corporation/Govt. lands for the collection well and STP proposed is being done and after obtaining sanction of the puramboke land identified there will be changes in the design of network and action will be taken to revise the estimate accordingly. DPR for Cluster IX priority wards (Vizhinjam and Harbour area) completed and submittedon 29.09.2023. Land for STP identified and the confirmation of land not yet received. DPR of cluster X comprising of wards Shangumugham,Vettucaud, Vallakadavu,Beemapalli (part), Beemapalli East (part), Valiyathura and Kadakampally is under preparation. DPR for Cluster 3 Zone 1&3 revised and submitted to Corporation for getting AS under UIDF.
3.1.8	Total Amount required	Kerala Water Authority	5000CR					
Solid wastema nagemen t								
	Long term measures proposed by Thiruvananthapuram Corporation	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.2.1	Acquire 58 acres of land and rehabilitate 8150 families from the banks ofRiver	Thiruvananthapuram Corporation	5 years	Project Dropped			Project Dropped	Dropped
De-siltin g and develop ment								
No.	Activity	Implementing agency	Timeline	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.3.1	Development package for Parvathy Puthanar	Irrigation department Included in KIFB by KWIL includes cleaning of canal	3 years					Phase I (First half) removal of water hyacinth completed Veli to Kadinamkulam Kayal (Ch 16.00 to Ch27.00).Executed by Inland Navigation . Aakkulam to Monnattumukku cleaning works 100% completed- by KWIL - for an amount of 45 Lakhs (3 Months) Now department work is started for clearing.
3.3.2	De-silting and development of Amayizhanchan Thodu	Irrigation Department	1.5 years				100	On going
3.3.3	Improvements to Thekkenekara canal and de-silting-	Irrigation Department	1 year				20	Flood mitigation work completed

		KARAMANA						
Short termplan								
Maintenance and de-bottlenecking of existing seweragenetwork								
No.	Activity	Implementing agency	Time line	Progress in the month of November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.3.4	Karimadam tank improvements, de-silting sheet piling/under preparation and providing fencing	Irrigation Department	1.5 years	20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.			20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.	20% completed but work presently held up due to non availability of land for disposal of desilted earth having foul smell. Now the contractor has requested to foreclose the work.
3.3.5	Development of Karamana basin	Irrigation Department	1.5 years					Desiltation of river completed. E-flow statement is submitted

STATE WATER QUALITY MONITORING PROGRAMME (SWMP) 2026							
Analysis Report for the month of January- 2026							
Name of River		KARAMANA					
Date and Time of Sample collection		09-01-2026					
Method of analysis							
Sl no.	Parameters	SAMPLE ID					
		Peppara	Aruvikkara	Mangattukadavu	Pallathukadavu	Thiruvallom	Moonnattumukku
1	Temperature (°C)	29.8	29.5	29.8	30.2	30	29.5
2	Dissolved O2 (mg/L)	7.4	7.5	5.5	4.7	0.3 (BDL)	0 (BDL)
3	pH	6.7	6.4	6.5	7	6.8	6.8
4	Conductivity (µmho/Cm)	34	82	143	324	1062	584
5	BOD (mg/L)	0.3 (BDL)	0.6 (BDL)	0.4 (BDL)	2	5.4	6.3
6	Nitrate - N (mg/L)	0.0 (BDL)	1.9	2.1	4.1	6.3	7.9
7	Turbidity (NTU)	1 (BDL)	1 (BDL)	1.1	2	11.2	20
8	Total Alkalinity (mg/L)	10 (BDL)	16 (BDL)	28	52	108	112
9	Chlorides (mg/L)	8	20	24	76	268	96
10	Ammonical N (mg/L)	0.0 (BDL)	0.0 (BDL)	0.0 (BDL)	0.5	12.8	12.5
11	Total Hardness (mg/L)	8 (BDL)	16	28	48	120	88
12	Ca as CaCO ₃ (mg/L)	6	8	20	36	64	60
13	Mg as CaCO ₃ (mg/L)	4 (BDL)	8	8	12	56	28
14	Sulphate (mg/L)	1.0 (BDL)	1.8 (BDL)	4.5 (BDL)	6.2	14.7	14.6
15	Sodium (mg/L)	5.2	13.5	15.5	44.3	144	58.2
16	Measured TDS (mg/L)	26	66	89	220	635	337
17	Total Phosphate (mg/L)	0.0036 (BDL)	0.0321 (BDL)	0.0302 (BDL)	0.0046 (BDL)	0.1924 (BDL)	0.1694 (BDL)
18	Boron (mg/L)	0 (BDL)	0.0 (BDL)	0.00 (BDL)	0.00 (BDL)	0.21 (BDL)	0.3 (BDL)
19	Potassium (mg/L)	1.6	6.2	7.2	25.2	72.3	28.8
20	Total Coliform (MPN/100ml)	210	430	1800	2300	17000	21000
21	Fecal Coliform (MPN/100ml)	34	98	920	920	11000	12000
22	SAR	0.81	1.47	1.27	2.79	5.69	2.69


 ASSISTANT ENVIRONMENTAL SCIENTIST

Activity	Implementing Agency	Time line		Progress in the month of October 2025	Progress in the month of November 2025	Progress in the month of December 2025	% Works Completed	Details of works remaining
Improvements to Thekkenekara canal and de-silting-	Irrigation Department	1 Year						Flood mitigation work completed
Karimadam tank improvements, de-silting sheet piling/under preparation and providing fencing		1.5 Years				20%		Flood mitigation works ongoing
Development of Karamana basin		1.5 Years						Desiltation of river completed. E-flow statement is submitted.


SUPERINTENDING ENGINEER


		PAMBA					
	Activity	Implementing agency	Progress in the month of November 2025	Progress in the month of December 2025	Progress in the month of January 2026	% works completed	Details of works remaining
A(a)	No industries						
A(a)	Monitornrg of river water quality	Kerala State Pollution Control Board					
C(ii)	Establishment of de-centralized solid waste treatment facility	Mannar Panchayat	No new project taken	No new project taken	No new project taken	NA	NA
		Niranam Panchayath	No new project taken. Niranam Gramapanchayath is an upper kuttanad area, so no such dry land suitable for solid waste treatment plant is available	No new project taken		NA	NA
		Kadapra Panchayath	No new project taken. The panchayath has resolved to identify all polluting involved in pollution of river resources and iniation of penal against them	No new project taken	NA	NA	NA
C	Establishment of Material Collection Facility	Mannar Panchayat	Civil work completed.	Civil work and electrification completed.	Civil work and electrification completed.	90%	ELECTRIFICATION
		Niranam Panchayath	MDF construction completed. 13 mini MCF implemented in all wards.	Civil work and electrification completed.	NA	NA	NA

		Kadapra Panchayat	Material Collection Facility is fully functional in Kadapra Grama Panchayat	Civil work and electrification completed.		100%	
C	Resource Recovery Facility	Mannar Panchayat	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH	NO RRF IN PANCHAYATH
		Niranam Panchayat	NO RRF IN PANCHAYATH. Necessary instructions are given to all offices and institutions to strictly comply with the green protocol and is regularly monitored.	NO RRF IN PANCHAYATH	NA	NA	NA
		Kadapra Panchayat	NO RRF IN PANCHAYATH. Resource Recovery Facility due to non-availability of space.	NO RRF IN PANCHAYATH		Resource Recovery Facility due to non availability of space. NO RRF IN PANCHAYATH	
C	Installing household and community level solid waste management units	Mannar Panchayat	Plastic waste and E waste Collection	Plastic waste and glass waste collected in December	Plastic waste and cloth waste collected in february	100%	0%
C	Door to door collection and transportation of municipal solid waste	Mannar Panchayat	User fee collection 76.94%	User fee collection 75.55%		77%	23%
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Parumala Town	Kadapra Panchayat	The Panchayath considered that sewage treatment plants are currently not needed with in Panchayath area around Parumala.				

C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Mannar Town	Mannar Panchayat	Project has to be taken	Project has to be taken	All house hold toilets have individual septic tank and no outlets to pamba river	All house hold toilets have individual septic tank and no outlets to pamba river	All house hold toilets have individual septic tank and no outlets to pamba river
C	Construction of compound wall with fencing	Irrigation department	Fund to be allotted for the purpose.	Fencing work completed,compound wall work estimate submitted for fund allotment		Fencing work completed,compound wall work estimate submitted for fund allotment	
C	Removing light jungle and muddies from river courses	Irrigation department	Fund to be allotted for the purpose.	Work ongoing		60%	
C	Electrical-Light arrangements and Surveillance cameras	Irrigation department	Fund to be allotted for the purpose.	Fund to be allotted for the proposal		NA	
C	Regualting activites in flood plain zone, protection and management of flood plain zone	Irrigation department	Fund to be allotted for the purpose.	Fund to be allotted for the proposal			
	Greenery developmentPlantation plan. Plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment	Irrigation department	Fund to be allotted for the purpose.	Fund to be allotted for the proposal			
C (b) (ii)	Green Protocol implementation in all Offices institution & Public function	Mannar Panchayat	100% Green protocol has implemented in in public offices.	100%	100%		
		Niranam Panchayath	100%. Green protocol has implemented in public officers Kadapra Grama Panchayat	100%	NA	NA	
		Kadapra Panchayath	Green protocol implemented in all offices and public function	100%		100%	

D(a)	Issues relating to E-flow, maintaining minimum environmental flow of river (by having watershed management provisions)	Irrigation department	Study conducted and DPR submitted to CE'S office	Study conducted and DPR submitted to CE'S office			
D (b)	Irrigation practices	Irrigation department	Routine procedures are following to avoid river pollution				
E	Awareness programmes for sections of public	Kerala State Pollution Control Board					
C	Management of municipal, plastic, hazardous, biomedical and electrical waste	LSGD	Plastic waste & E-waste are collected by Harithakarmasena	Plastic waste & E-waste are collected by Harithakarmasena			Plastic is collected by harithakarmasena every month & e-waste once in a year.
ACTION BY GROUND WATER DEPARTMENT							
Sl. No.	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Progress in the month of November 2025	Progress in the month of December 2025	Progress in the month of January 2026	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	NOC has not been issued to industries for Ground Water extraction during November 2025			Demand Based	1.As per the GEC estimation all the blocks in the District has been categorized as SAFE. 2.Provisions of GW (control &Regulation) Act 2002 is implementing strictly for regulating extraction of GW resource in the district
2	B(ii)	Ground water recharging / rain water harvesting	ARS at 4 sites Ranni Technical Sanction obtained & work tendered. Feasibility for new 5 sites at Ranni found & estimate under preperation			100%	All the blocks in the district is categorized as SAFE as per GEC estimation. Kadapra-Niranam Area is not feasible for Ground Water Recharge. However, GW recharging programme is taken up in some pockets in the midland area including Manimala basin. Where seasonal GW level fluctuation is noticed.

3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps	General & Iron samples of the observation wells (14 Nos- Trend & Surveillance Station- Selected Wells) in the District collected during the month July 2025 and sent to Analytical Lab Trivandrum.			Periodic assesment (Regular programme) Chemical analysis result of groundwater samples received from analytical lab. Trivandrum upto December 2023	(i)Maintaining a network of observation wells in various hydrogeomorphic units throughout the district from which water level and water samples have been collected periodically and analysed. (ii)generally groundwater quality is good and potable
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. 3 number of Mass Awareness Programme on Ground Water Conservation & regulation completed.			Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the clearance from GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. iii) Awareness Programme organised to the public to adopt rainwater harvesting measures.	1) Borewell/ tube well construction is regulated in the district by insisting permit of local bodies based on the feasibility report of GWD. ii) Promoting conjunctive use of groundwater and surface water for irrigation purpose. iii)Awareness programmes organised to the public to adopt rainwater harvesting measures

Analysis Result of Drains Joining to Mannar-Thakazhi Stretch of Pamba River (January-2026)

SL.N o	Name of Drain	Parameters														
		pH			Electrical Conductivity(μS/cm)			BOD(mg/l)			TC(Nos/100ml)			FC		
	Months	NOV	DEC	JAN	NOV	DEC	JAN	NOV	DEC	JAN	NOV	DEC	JAN	NOV	DEC	JAN
1	Parumala Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	MannarTown Drain	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Kuriyathkadavu Thodu	8.7	7.09	NIL	133.9	151.1	NIL	4.03	2.6	NIL	1800	1000	NIL	700	400	NIL
4	KaruvelilThodu	8.5	6.75	6.71	161.5	50.39	152.3	1.25	0.5	1	900	200	800	500	100	400
5	Nochithodu	8.3	7.03	7.06	158.3	482.6	46.17	2.11	2.4	0.4	1600	700	400	600	200	200
6	Pattaparambil Thodu	8.4	7.26	7.11	52.12	50.23	49.89	0.26	1.2	0.2	200	400	500	100	100	100
7	Kappiyarissery Thodu	8.1	7.08	6.96	102.7	49.5	85.96	2.4	1.6	0.73	1000	400	700	500	200	400
8	Kombankery Thodu	8.1	7.02	7.19	61.52	47.23	87.9	1.58	1.4	0.07	1200	200	200	700	100	100
9	Perackalthodu	8	7	7.3	62.64	57.16	72.96	1.58	0.1	0.6	1000	NIL	900	300	NIL	300
10	Erathodu	7	6.99	7.38	160.7	44.32	92.05	0.53	0.7	0.07	400	200	300	100	100	100
11	Kolarayaru	NIL	7.01	7.7	NIL	38.24	40.55	NIL	0.5	0.07	NIL	400	500	NIL	100	100

ACTION PLAN FOR RIVER MANIMALA, KERALA								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of November 2025	Progress in the month of December 2025	Status as on January 2026	% works completed	Details of works remaining
A(a)	Monitoring of river water quality	Kerala State Pollution Control Board	Continuing project				100%	Nil
A(b)	Rendering Plant at Eraviperoor or Thiruvalla	Eraviperoor/ Thiruvalla local body	31.03.2021	NIL	NIL			Work to be initiated
C(ii)	Fencing of bridges, desilting, dredging and protection works, surveillance cameras at vantage points	Irrigation department	31.03.2021	Fund to be allotted for the proposal	Fund to be allotted for the proposal	fund allotted for fencing work	0%	Work to be initiated Project report for the holistic rejuvenation of the reach is prepared and submitted to government. fund allotted for fencing work along kalloopara thondra stretch
C	Preventing illegal discharge of septage and other waste water into the river. Formation of River Protection Group	Panchayath, Police , KSPCB	31.05.2020.				0%	Work pending due to COVID pandemic
C	Greenery developmentPlantation on both sides of the river, setting up biodiversity parks in flood plains and removing encroachment	Irrigation department in association with panchayath	31.03.2021	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	0%	Yet to be initiated Project report for the holistic rejuvenation of the reach is prepared and submitted to government
C(b)(ii)	Green Protocol implementation in all offices, institution & public functions	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	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	Fund to be allotted for the proposal	Fund to be allotted for the proposal	Fund to be allotted for the proposal	0	Work to be initiated Project report for the holistic rejuvenation of the reach is prepared and submitted to government
C(ii)	Establishment of decentralized solid waste treatment facilities	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	31.12.2020				100%	0
C	Installing household & community level solid and domestic sewage waste management	Kalloopara, Eraviperoor, Puramattom, Kaviyoor, Peringara, Kuttoor panchayaths	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, Kuttoor panchayaths	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 November 2025	Progress in the month of December 2025	Status as on January 2026	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	31.03.2021				NIL	NIL
2	B(ii)	Ground water recharging / rain water harvesting in Govt offices	31.03.2021				NIL	NIL
3	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	NGT order in O.A no.496/2016 Identification of illegal bore wells in the catchment area.	31.03.2021				NIL	NIL

**ANALYSIS REPORT OF DRAINS OF MANIMALA BETWEEN KALLOOPARA AND
THONDRA
January- 2026**

SI NO	BOTTLE NO.	Name of Drains	PH	BOD	TC	FC
1	TK1	Panayampalathodu	6.65	0.67	400	200
2	TK2	PadathupalamThodu	NIL	NIL	NIL	NIL
3	TK3	Thottappuzha	6.76	0.07	200	100
4	TK4	Kuttapuzha under Kattodubridge	6.86	0.73	500	100
5	TK5	Kadavumbara	6.98	1.73	800	400
6	TK6	Drain under Varappalam Bridge	NIL	NIL	NIL	NIL
7	TK7	Drain under kallupalam Bridge	6.82	0.6	800	200
8	TK8	Komalamthodu	6.9	0.07	300	100
9	TK9	Vennikulam Valiyathodu	6.93	0.13	700	200
10	TK10	Paduthodu	6.83	0.4	500	100
11	TK11	Mallappally Valiyathodu	6.63	0.27	700	300

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(b)	Augmentation and Revamping of existing STP at near Adwathas Ashramam and to increase the capacity of STP so as to treat more sewage generated in the municipality	Aluva Municipality	Dec 2019	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued.Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwathasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued.Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwathasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued.Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwathasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.		
A(b)	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	Aluva Municipality	2021	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing		
A(b)	Discharge of sewage from township to the River through drain near Periyar Hotel shall be stopped.	Aluva Municipality	2020	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed		
A(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain and to collect fine based on polluter pay principle	Aluva Municipality, KSPCB	2020	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed		

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(a)(iv)	Periodical inspection in the Industries, Flats, hotels monitoring of STP,ETP	KSPCB	Periodical	Ongoing	Ongoing	Ongoing		
C(ii)	Installation of modern abattoirs	Aluva Municipality	March 2021	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.		
A(b)	Procurement of sewer cleaning machines and equipment maintenance	Aluva Municipality	March 2020	Drain cleaning activities are carried out daily. equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	Drain cleaning activities are carried out daily. equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	Drain cleaning activities are carried out daily. equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	100	
E	Installation of cameras at the waste dumping spots	Aluva Municipality	2020	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras. They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras. They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras. They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-		
A(b)	Construction of retaining wall with HDPE liner at Kalamassery dumping yard in order to prevent the leachate discharge from the yard to Thoombungal Thodu	Kalamassery Municipality	Sept 2019	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. The STP will be installed immediately after Biomining. Biomining work is 45% complete.Biomining operations were suspended in April and will restart in November.	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. The STP will be installed immediately after Biomining. Biomining work is 50% complete.Biomining operations were suspended in April and will restart in November.	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. The STP will be installed immediately after Biomining. Biomining work is 50% complete.Biomining operations were suspended in April and will restart in November.	45%	Retaining wall works already completed.55%of biomining works are pending which will be resumed once we get a continous rainfree period of 10 days
C(ii)	Installation of plastic shredding unit	Kalamassery Municipality	June 2019	One plant has been established and is operating. The shredded material is taken by CKCL. It was reported that this is taken to the Palakkad Cement Factory.It has been decided to establish a PSU after the biomining is complete.	One Plant has been established and is operating. No progress regarding the second unit.	One Plant has been established and is operating. No progress regarding the second unit.	100%	Project for Non biodegradable waste processing is planned under the SWM plan of Kalamassery, which will be installed in the land at ward 6, immediately after the Biomining process.

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(a)(iv)	Constitution of squads for night surveillance for finding the unauthorized dumping of sewage at NAD wet lands Kalamassery	Kalamassery Municipality, Police department	2020	A squad has been formed and continuous surveillance is being conducted. Those who dump waste are being identified using the cameras available to the Municipality. Cameras cannot be installed on the NAD road as the area is under the control of NAD. An IEC plan is being put forward in association with the KSWMP project. As part of this, the decision to provide drainage and awareness classes has been included in this year's plan.	No progress reported	No progress reported	NA	IEC awareness activities started. Compound wall painting and wall writing under progress. Various Sign boards, Street plat, Cycle rally etc for awareness on waste disposal is also planned under the IEC plan prepared by KSWMP Project which is under process
A(b)	Installation of common STP for Kalamassery Municipality and ETP at Municipal Market	Kalamassery Municipality	December 2019	The work of renovating the existing ETP in the market has not started. The market renovation will be completed within 2 months. The STP will be established at the current dumping yard site after the completion of biomining. A proposal for 2 new STPs has been sent to the DPC. The construction of the STP has been decided to be included as a new project in this year's plan. It has been decided to complete the works by July 2026	No progress reported. Informed that the construction of the STP has been decided to be included as a new project in the year 2026.	No progress reported. Informed that the construction of the STP has been decided to be included as a new project in the year 2026.	NA	Tender opened for renovation of existing ETP in the market. Selection notice issued. Work will commence soon.
A(a)(iv)	Monitoring and surveillance of industries in Kalamassery Industrial Estate in order to prevent unauthorized discharges to Muttar River	KSPCB	2019	Inspection is ongoing. There is currently a possibility of sewage reaching the river from the market. This problem can be solved with the renovation of the market. The PCB, EE informed that a letter was sent to the Municipality regarding the low DO found in the water collected from the Thumbunkal stream and the Putthalam Kadavu on the Idamula branch of the Periyar on June 2, and no reply has been received. PCB EE has informed that the DO level are currently normal.	No action reported	No action reported		
C(ii)	Installation of modern abattoirs including poultry and meat rendering plants.	Kalamassery Municipality, Industries Department (for land allotment)	2021	There is no progress due to the lack of space.	No progress reported	No progress reported	NA	
A(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Kalamassery Municipality	2020	A fine of Rs. 22,36,940/- has been collected so far for waste dumping and sewage discharge. Waste dumping fine: August – Rs. 25000/-	No progress reported	No progress reported	NA	
E	Installation of cameras at the waste dumping spots	Kalamassery Municipality	2020	84 cameras have been installed, 2 in each of the 42 wards. Visuals are available.	No change. 85 cameras have been installed, 2 in each of the 42 wards. Visuals are available.	No change. 85 cameras have been installed, 2 in each of the 42 wards. Visuals are available.		

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(b)	Identification of sources of sewage discharged to drain near Pathalam bridge and action to stop the discharge which reach river Periyar from hotels, labour camps etc In case the quantity of sewage generated is assessed to be more STP need to be installed	Eloor Municipality, KSPCB (for monitoring)	2020	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on 19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,000	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on 19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,001	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on 19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,002	100	NA
E	Installation of cameras at the waste dumping spots	Eloor Municipality	2020	84 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, Where the waste is frequently deposited.	85 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, Where the waste is frequently deposited.	86 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, Where the waste is frequently deposited.	100	
A(a)(iv)	Periodical inspection in the Industries, Flats, hotels for monitoring of STP,ETP located in Cochin corporation	KSPCB	periodical					
A(a)	Inventory of sources of pollution through a rapid study/Study for identification of pollution sources at Edappally thodu	Kochi Municipal Corporation	3 months	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025	NA	
E	issuing notice to the defaulters	Kochi Municipal Corporation	4 months					
A(a)(iv)	Periodical inspection in the flats, hotels, shops located along the river	Kochi Municipal Corporation	periodical	Regular inspections are conducted in establishments near the river.	Regular inspections are conducted in establishments near the river.	Regular inspections are conducted in establishments near the river.		

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(b)	Identification of natural drains/thodu reaching river Periyar and cleaning of weeds, grasses etc	Irrigation department	2 years	Minor Irrigation: Cleaned 23 streams in Eloor Municipality. The project "KrishikkopamKalamassery" worth Rs.8 Crore is ongoing. This includes the desilting of 40 streams, 7 culverts, and 2 sluicers. Desilting&deweedingof streams has been completed 25 in Karumalloor region. 80% of the work on 7 culverts has been completed. Major Irrigation: The work of cleaning, weed removal, and side protection has been arranged for one of the thodus, "Erezhuchaal Punchathodu." However, the work could not be commenced due to complaints from nearby residents regarding encroachment. Accordingly, the Assistant Executive Engineer, Additional Irrigation Sub Division, Aluva, has requested the Bhoorekha Tahsildar, Paravoor, to carry out boundary demarcation. A letter has also been addressed to the District Collector to expedite the demarcation works. 1. Kuthu thodu The desilting work of kuthu thodu has been completed under operation vahini 2025-26.	Minor Irrigation. No progress from the previous meeting reported. EE opined the local bodies to maintain the streams periodically after the desiltation and dweeding. Major Irrigation No progress reported.	Minor Irrigation. No progress from the previous meeting reported. EE opined the local bodies to maintain the streams periodically after the desiltation and dweeding. Major Irrigation No progress reported.		
C(iii)	Clearing of weeds, grasses at the river bank in order to ensure the smooth flow of water	Irrigation department	3 years	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works- Removal of water hyacinth from the Upstream and Downstream of Pathalam Lock cum Regulator at Eloor Municipality in Ernakulam District-2024-25-General Civil Work – Rs.13 Lakhs). This activity is planned to be carried out three times a year to ensure the river remains clean at all times.	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works- This activity is planned to be carried out three times a year to ensure the river remains clean at all times.	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works- This activity is planned to be carried out three times a year to ensure the river remains clean at all times.		

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
D(a)	Maintaining of Minimum flow in river during lean period and periodical operation of Regulators at River in-order to maintain minimum flow.	Irrigation department	3 years	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP) was submitted to the Government for approval in September 2025 and is awaiting approval for implementation. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) levels in the official WhatsApp group formed for monitoring the operation of RCBs. On review, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in and efficient and systematic manner	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP) was submitted to the Government for approval in September 2025 and is awaiting approval for implementation. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) levels in the official WhatsApp group formed for monitoring the operation of RCBs. On review, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in and efficient and systematic manner	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP) was submitted to the Government for approval in September 2025 and is awaiting approval for implementation. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) levels in the official WhatsApp group formed for monitoring the operation of RCBs. On review, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in and efficient and systematic manner		
A(b)	Common Effluent Treatment Plant at Edayar Industrial Estate	Industries department	2022	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."				
A(b)	Construction of internal roads and proper drainage in Edayar industrial estate	Industries department		Road drainage works worth ₹9.47 crore completed under the CDP scheme. 100% of the drainage construction completed for the ₹34 lakh allocated to PWD. All maintenance/repair works for internal roads are complete. PCB and PWD conducted a joint inspection, and a rectification sketch for the drainage system was given to PWD. PWD needs to submit the Feasibility Report to the industrial estate.	Letter was issued to PWD for the drianage-rectification work on 05.03.2025. Reminder will be sent. No progress reported from the meeting held on 01.07.2025.	Letter was issued to PWD for the drianage-rectification work on 05.03.2025. Reminder will be sent. No progress reported from the meeting held on 01.07.2025.	100%	
A(b)	Installation of common discharge pipe line at downstream of Pathalam Regulator Bridge	Industries department, Irrigation department	3 years	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."				

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
E	Installation of Night vision surveillance cameras at the River Bank side	KSPCB	2020	Surveillance cameras and related equipment have been installed	9 Surveillance cameras and related equipment have been installed	9 Surveillance cameras and related equipment have been installed	100	
A(a)(iv)	Periodical Monitoring of Eloor, Edayar, Kalamassery Industrial belts	KSPCB	2020	Inspections are being conducted and nighttime surveillance is being conducted continuously with the involvement of more staff.	Regular inspections including night surveillance ae being conducted by ESC, Eloor.	Regular inspections including night surveillance ae being conducted by ESC, Eloor.	100	
A(a)(iv)	Monitoring of quality of water at various intake point	Kerala Water Authority	2020					
A(a)(iv)	Installation of additional continuous online River water monitoring station	KSPCB	2022	Real time water quality monitoring stations has been installed at the upstream & downstream side of pathalambund.	Real time water quality monitoring stations has been installed at the upstream & downstream side of pathalambund.	Real time water quality monitoring stations has been installed at the upstream & downstream side of pathalambund.	100	
A(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Kadungallur Panchayath	2020	Establishments dumping sewage are identified, and fines are collected.	Establishments dumping sewage are identified, and fines are collected.	Establishments dumping sewage are identified, and fines are collected.	100	
E	Installation of cameras at the waste dumping spots	Kadungallur Panchayath	2020	42 cameras have been installed currently.	43 cameras have been installed currently.	44 cameras have been installed currently.	100	NIL
A(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Choomikkara Panchayath	2020	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently, if any. Fine 40,000 - November	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently, if any. Fine 40,000 - November	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently, if any. Fine 40,000 - November		
	Installation of cameras at the waste dumping spots	Choomikkara Panchayath	2020	56 cameras have been installed. 2 camera are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval.	57 cameras have been installed. 2 camera are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval. Implementing authority is KMRL.	58 cameras have been installed. 2 camera are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval. Implementing authority is KMRL.		
LONG TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining

ACTION PLAN FOR RIVER PERIYAR, KERALA								
SHORT TERM MEASURES								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
A(b)	Construction of walkway, ring roads etc at the Periyar River bank at industrial belt.	Irrigation department	4 years	The proposal for construction of dyke wall and surveillance road on the right bank of the Periyar River, along the Eloor–Muppattadam Industrial Area has been submitted. As a part of this proposal Initial investigation works has been completed. The Irrigation Design and Research Board has completed the design process for the dyke wall; however, the Detailed Project Report (DPR) can be prepared only after completion of the survey and demarcation process for the entire length is completed . Survey & Demarcation works is in progress, and out of the total length of 1.20 km, survey of 730 metres has completed.. been Survey work for the remaining 470 metres is yet to be completed. Letters have been sent to the Hon'ble District Collector and the Land Records Tahsildar, requesting them to take necessary steps complete to the demarcation work at the earliest	No progress reported. Reminder will be send to the District Collector and the Land Records Tahsildar, requesting them to take necessary steps to complete the demarcation work at the earliest.	No progress reported. Reminder will be send to the District Collector and the Land Records Tahsildar, requesting them to take necessary steps to complete the demarcation work at the earliest.		
C(i)	Fencing of the river banks along the stretches of waste disposal (Edamula stretch)	Cochin Municipal Corporation	1-2 years	The fencing work of the Aryanpadam stream presented has in been the budget. Permission has been received for only 40 cameras. They are being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.	The fencing work of the Aryanpadam stream presented has in been the budget. Permission has been received for only 40 cameras. They are being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.	The fencing work of the Aryanpadam stream presented has in been the budget. Permission has been received for only 40 cameras. They are being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.		
C(iii)	Beautification of the river stretches (Edamula stretch)	Cochin Municipal Corporation	1-2 years					
ACTION BY GROUND WATER DEPARTMENT								
Sl. No.	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks						
2	B(ii)	Ground water recharging / rain water harvesting						
3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps						
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: VETTUKADAVU						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.7	29.4		
2	pH		7.45	6.7		
3	Conductivity	µS/cm	87.35	5532		
4	TDS	NTU	50.56	3201.92		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	12.40	6.8		
8	Chlorides	"	14.9	1886.472		
9	Hardness	"	25	1000		
10	D.O.	"	6.3	5.5		
11	COD	"	4.12	2.4		
12	Calcium	"	7.6	200		
13	Magnesium	"	1.458	121.5		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.136	0.262		
17	Hexa Chromium	"	0.048	0.042		
18	Oil & Grease	"	4.32	2.2		
19	Iron	"	0.363	0.452		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	5.625	70.313		
22	Total Alkalinity	"	13.3	285		
23	Nitrate	"	1.953	2.688		
24	BOD	"	0.1	5.5		
25	TC	"	100	240		
26	FC	"	60	120		
27	FS	"	0	80		
28	Sodium	ppm	1.02	2.84		
29	Potassium	ppm	0.88	1.04		
30	SAR	meq/L	0.088	0.039		
* TURBIDITY METER IS OUT OF ORDER						
# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: PATHALAM BRIDGE						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.7	29.3		
2	pH		7.3	7.1		
3	Conductivity	µS/cm	49	129		
4	TDS	NTU	28.24	74.43		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	2.20	2.60		
8	Chlorides	"	8	20		
9	Hardness	"	16	15		
10	D.O.	"	6.8	5.9		
11	COD	"	1.08	1.2		
12	Calcium	"	5.2	5.2		
13	Magnesium	"	0.729	0.486		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.141	0.104		
17	Hexa Chromium	"	0.045	0.042		
18	Oil & Grease	"	4.8	1.08		
19	Iron	"	0.349	0.311		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	1.25	8.281		
22	Total Alkalinity	"	13.3	24.7		
23	Nitrate	"	1.63	1.093		
24	BOD	"	0.9	2		
25	TC	"	220	120		
26	FC	"	120	40		
27	FS	"	20	60		
28	Sodium	ppm	1.24	1.62		
29	Potassium	ppm	0.68	0.98		
30	SAR	meq/L	0.133	0.179		
* TURBIDITY METER IS OUT OF ORDER						
# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: PUTHALAM KADAVU						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.5	29.1		
2	pH		7.40	7.1		
3	Conductivity	µS/cm	49.30	63		
4	TDS	NTU	28.53	36.29		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	4.6	4.02		
8	Chlorides	"	7.94	6.95		
9	Hardness	"	15	14		
10	D.O.	"	6.8	6.3		
11	COD	"	2.42	2		
12	Calcium	"	0.049	4.4		
13	Magnesium	"	0.972	0.729		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.141	0.132		
17	Hexa Chromium	"	0.049	0.042		
18	Oil & Grease	"	2.72	3.2		
19	Iron	"	0.424	0.311		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	1.094	0.625		
22	Total Alkalinity	"	17.1	22.8		
23	Nitrate	"	1.523	1.022		
24	BOD	"	1.3	2.4		
25	TC	"	200	220		
26	FC	"	40	120		
27	FS	"	20	160		
28	Sodium	ppm	1.28	0.98		
29	Potassium	ppm	1.06	0.45		
30	SAR	meq/L	0.142	0.113		
	* TURBIDITY METER IS OUT OF ORDER					
	# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param					

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: PATHALAM BUND U/S						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	B	29.4		
2	pH		U	6.98		
3	Conductivity	µS/cm	N	165		
4	TDS	NTU	D	95.68		
5	Turbidity	mg/L		*		
6	Colour	"	O	20.0		
7	SS	"	P	3.04		
8	Chlorides	"	E	38		
9	Hardness	"	N	28		
10	D.O.	"		6.8		
11	COD	"		1.6		
12	Calcium	"		7.2		
13	Magnesium	"		2.43		
14	Ammoniacal Nitrogen	"		0.01		
15	Free Ammonia	"		BDL		
16	Phosphates			0.14		
17	Hexa Chromium	"		0.046		
18	Oil & Grease	"		2.6		
19	Iron	"		0.208		
20	Sulphides	"		BDL		
21	Sulphates	"		2.813		
22	Total Alkalinity	"		19		
23	Nitrate	"		1.344		
24	BOD	"		2.5		
25	TC	"		160		
26	FC	"		80		
27	FS	"		80		
28	Sodium	ppm		1.24		
29	Potassium	ppm		0.82		
30	SAR	meq/L		0.101		
* TURBIDITY METER IS OUT OF ORDER						
# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: PATHALAM BUND D/S						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.5	29.4		
2	pH		7.22	6.98		
3	Conductivity	µS/cm	119.10	6404		
4	TDS	NTU	68.94	3706.64		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	2.2	2.2		
8	Chlorides	"	24.822	1985.76		
9	Hardness	"	19	14		
10	D.O.	"	6.8	7		
11	COD	"	3.04	2.4		
12	Calcium	"	5.6	200		
13	Magnesium	"	1.215	218.7		
14	Ammoniacal Nitrogen	"	BDL	0.371		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.136	0.188		
17	Hexa Chromium	"	0.046	0.042		
18	Oil & Grease	"	3.36	4.2		
19	Iron	"	0.349	0.269		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	0.781	34.688		
22	Total Alkalinity	"	13.3	190		
23	Nitrate	"	1.827	1.505		
24	BOD	"	0.9	3.3		
25	TC	"	120	320		
26	FC	"	20	100		
27	FS	"	0	40		
28	Sodium	ppm	2.4	2.23		
29	Potassium	ppm	1.26	1.06		
30	SAR	meq/L	0.237	0.026		
* TURBIDITY METER IS OUT OF ORDER						
# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: MANJUMMAL BUND						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.3	29.3		
2	pH		7.03	6.9		
3	Conductivity	µS/cm	47.79	123		
4	TDS	NTU	27.66	70.96		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	4.40	4.60		
8	Chlorides	"	7.9	7		
9	Hardness	"	16	16		
10	D.O.	"	6.98	5.7		
11	COD	"	1.08	1.04		
12	Calcium	"	4.8	3.6		
13	Magnesium	"	0.972	1.701		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.132	0.121		
17	Hexa Chromium	"	0.048	0.042		
18	Oil & Grease	"	3.92	2.2		
19	Iron	"	0.443	0.377		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	0.625	3.594		
22	Total Alkalinity	"	15.2	20.9		
23	Nitrate	"	1.648	0.986		
24	BOD	"	1.38	2.5		
25	TC	"	160	120		
26	FC	"	40	60		
27	FS	"	20	40		
28	Sodium	ppm	1.06	2.04		
29	Potassium	ppm	0.58	1.24		
30	SAR	meq/L	0.114	0.219		
* TURBIDITY METER IS OUT OF ORDER						
# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -DECEMBER 2025						
Sampling point: ALUVA - MANAPPURAM						
Sl. No	Parameter	Unit	05.12.2025	25.12.2025		
1	Temperature	°c	30.5	29.4		
2	pH		7.12	6.9		
3	Conductivity	µS/cm	48.38	48.34		
4	TDS	NTU	28.00	27.98		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20		
7	SS	"	2.40	2.4		
8	Chlorides	"	9.93	4.96		
9	Hardness	"	15	12		
10	D.O.	"	6.2	7.3		
11	COD	"	2.24	2		
12	Calcium	"	4.4	3.2		
13	Magnesium	"	0.972	0.972		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.141	0.126		
17	Hexa Chromium	"	0.048	0.039		
18	Oil & Grease	"	3.64	2		
19	Iron	"	0.391	0.269		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	0.938	1.094		
22	Total Alkalinity	"	15.2	19		
23	Nitrate	"	1.505	1.004		
24	BOD	"	0.8	1.4		
25	TC	"	80	280		
26	FC	"	0	120		
27	FS	"	0	80		
28	Sodium	ppm	0.99	0.64		
29	Potassium	ppm	0.26	0.36		
30	SAR	meq/L	0.109	0.079		
	* TURBIDITY METER IS OUT OF ORDER					
	# As per the directions issued by CEE, Ernakulam on 23/01/2025 the daily river param					

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: VETTUKADAVU						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.4	31.2		
2	pH		7.01	6.9		
3	Conductivity	µS/cm	3186.00	13740		
4	TDS	NTU	1844.06	7952.71		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	1.20	2.20		
8	Chlorides	"	1985.76	4170.096		
9	Hardness	"	700	1800		
10	D.O.	"	5.7	7.1		
11	COD	"	10.8	12		
12	Calcium	"	120	80		
13	Magnesium	"	160	388.8		
14	Ammoniacal Nitrogen	"	1.182	0.275		
15	Free Ammonia	"	0.01182	0.0022		
16	Phosphates		0.16	0.189		
17	Hexa Chromium	"	0.063	0.05		
18	Oil & Grease	"	4.2	2.6		
19	Iron	"	0.208	0.588		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	72.969	250		
23	Nitrate	"	0.789	0.752		
22	Total Alkalinity	"	26.6	41.8		
24	BOD	"	5.73	4.3		
25	TC	"	260	160		
26	FC	"	200	100		
27	FS	"	140	0		
28	Sodium	ppm	32	53.8		
29	Potassium	ppm	22.4	18.4		
30	SAR	meq/L	0.42	0.55		
* TURBIDITY METER IS OUT OF ORDER						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: PATHALAM BRIDGE						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.5	31.0		
2	pH		7.1	7.2		
3	Conductivity	µS/cm	54.8	233		
4	TDS	NTU	31.72	134.86		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	0.40	1.20		
8	Chlorides	"	11	23		
9	Hardness	"	13.00	20.00		
10	D.O.	"	6.1	6.3		
11	COD	"	6.2	3.1		
12	Calcium	"	3.2	6.4		
13	Magnesium	"	1.22	0.972		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.132	0.136		
17	Hexa Chromium	"	0.048	0.038		
18	Oil & Grease	"	3.200	3.240		
19	Iron	"	0.260	0.269		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	9.688	10.469		
23	Nitrate	"	0.412	0.734		
22	Total Alkalinity	"	17.1	19		
24	BOD	"	1.67	1.2		
25	TC	"	260	280		
26	FC	"	200	120		
27	FS	"	140	40		
28	Sodium	ppm	0.82	0.650		
29	Potassium	ppm	0.62	0.950		
30	SAR	meq/L	0.1	0.06		
	* TURBIDITY METER IS OUT OF ORDER					

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: PUTHALAM KADAVU						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.5	31.1		
2	pH		7.04	7.0		
3	Conductivity	µS/cm	44.47	90		
4	TDS	NTU	25.74	52.10		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	3.20	1.60		
8	Chlorides	"	9.93	12		
9	Hardness	"	11	14		
10	D.O.	"	5.8	4.9		
11	COD	"	3.2	2.04		
12	Calcium	"	3.2	4.4		
13	Magnesium	"	0.729	0.729		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.155	0.127		
17	Hexa Chromium	"	0.05	0.038		
18	Oil & Grease	"	2.02	4.02		
19	Iron	"	0.274	0.344		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	2.031	3.75		
23	Nitrate	"	0.376	0.77		
22	Total Alkalinity	"	15.2	17.1		
24	BOD	"	1.5	1.2		
25	TC	"	300	120		
26	FC	"	220	40		
27	FS	"	60	40		
28	Sodium	ppm	1.8	1.3		
29	Potassium	ppm	0.82	0.8		
30	SAR	meq/L	0.23	0.15		
	* TURBIDITY METER IS OUT OF ORDER					

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: PATHALAM BUND U/S						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.6	31.1		
2	pH		7.1	6.9		
3	Conductivity	µS/cm	91.34	172.8		
4	TDS	NTU	52.87	100.02		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	3.20	4.20		
8	Chlorides	"	12	33		
9	Hardness	"	14	23		
10	D.O.	"	5.9	6.5		
11	COD	"	4.16	2.12		
12	Calcium	"	4.4	6.8		
13	Magnesium	"	0.729	1.458		
14	Ammoniacal Nitrogen	"	0.226	BDL		
15	Free Ammonia	"	0.00226	BDL		
16	Phosphates		0.141	0.132		
17	Hexa Chromium	"	0.053	0.038		
18	Oil & Grease	"	3.42	2.14		
19	Iron	"	0.424	0.297		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	7.5	11.875		
23	Nitrate	"	1.559	0.03		
22	Total Alkalinity	"	17.1	19		
24	BOD	"	3.6	1.8		
25	TC	"	240	200		
26	FC	"	60	20		
27	FS	"	40	40		
28	Sodium	ppm	1.6	1.1		
29	Potassium	ppm	0.84	0.94		
30	SAR	meq/L	0.18	0.1		
* TURBIDITY METER IS OUT OF ORDER						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: PATHALAM BUND D/S						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.7	31.2		
2	pH		6.90	6.8		
3	Conductivity	µS/cm	5397.00	3549		
4	TDS	NTU	3123.78	2054.16		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	0.28	3.60		
8	Chlorides	"	1787.2	993		
9	Hardness	"	700	300		
10	D.O.	"	5.1	6.3		
11	COD	"	6.2	3.24		
12	Calcium	"	200	40		
13	Magnesium	"	48.6	48.6		
14	Ammoniacal Nitrogen	"	0.062	0.101		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.141	0.151		
17	Hexa Chromium	"	0.048	0.041		
18	Oil & Grease	"	3.6	3.24		
19	Iron	"	0.288	0.363		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	55.781	92.969		
23	Nitrate	"	0.699	0.752		
22	Total Alkalinity	"	24.7	43.7		
24	BOD	"	2.1	2		
25	TC	"	100	80		
26	FC	"	60	40		
27	FS	"	20	20		
28	Sodium	ppm	22.8	21.3		
29	Potassium	ppm	2.8	5.5		
30	SAR	meq/L	0.37	0.78		
* TURBIDITY METER IS OUT OF ORDER						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: MANJUMMAL BUND						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.5	31.1		
2	pH		6.70	6.8		
3	Conductivity	µS/cm	42.39	127		
4	TDS	NTU	24.54	73.39		
5	Turbidity	mg/L	*	*		
6	Colour	"	20.0	20.0		
7	SS	"	10.00	3.20		
8	Chlorides	"	9.9	10		
9	Hardness	"	10	14		
10	D.O.	"	5.6	5.7		
11	COD	"	3.24	6.4		
12	Calcium	"	3.2	4		
13	Magnesium	"	0.486	0.972		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.141	0.136		
17	Hexa Chromium	"	0.049	0.04		
18	Oil & Grease	"	3.42	2.02		
19	Iron	"	0.368	0.316		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	5.156	7.5		
23	Nitrate	"	0.358	0.681		
22	Total Alkalinity	"	15.2	19		
24	BOD	"	1.2	0.2		
25	TC	"	180	140		
26	FC	"	80	60		
27	FS	"	80	20		
28	Sodium	ppm	1.6	1.1		
29	Potassium	ppm	0.82	0.8		
30	SAR	meq/L	0.22	0.13		
* TURBIDITY METER IS OUT OF ORDER						

KERALA STATE POLLUTION CONTROL BOARD						
ENVIRONMENTAL SURVEILLANCE CENTRE, ELOOR						
ANALYSIS REPORT OF RIVER PERIYAR -JANUARY 2026						
Sampling point: ALUVA - MANAPPURAM						
Sl. No	Parameter	Unit	05.01.2026	25.01.2026		
1	Temperature	°c	30.9	31.2		
2	pH		7.0	6.8		
3	Conductivity	µS/cm	45.45	93.43		
4	TDS	NTU	26.31	54.08		
5	Turbidity	mg/L	*	*		
6	Colour	"	20	20		
7	SS	"	14.80	2.2		
8	Chlorides	"	9	9.9288		
9	Hardness	"	12	14		
10	D.O.	"	6.4	5.3		
11	COD	"	2.04	3.12		
12	Calcium	"	3.2	4		
13	Magnesium	"	0.972	0.972		
14	Ammoniacal Nitrogen	"	BDL	BDL		
15	Free Ammonia	"	BDL	BDL		
16	Phosphates		0.165	0.151		
17	Hexa Chromium	"	0.049	0.038		
18	Oil & Grease	"	2.8	2.45		
19	Iron	"	0.255	0.405		
20	Sulphides	"	BDL	BDL		
21	Sulphates	"	5.625	4.375		
22	Total Alkalinity	"	17.1	17.1		
23	Nitrate	"	0.448	0.412		
24	BOD	"	1.7	1.2		
25	TC	"	160	340		
26	FC	"	120	160		
27	FS	"	20	60		
28	Sodium	ppm	1.8	1.1		
29	Potassium	ppm	0.52	0.78		
30	SAR	meq/L	0.22	0.13		
* TURBIDITY METER IS OUT OF ORDER						

		KADALUNDY						
1	2. Malappuram Municipality - Short Term Solid & Liquid Waste Management Action Plan							
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% of works completed	Details of works remaining
1.1	Slaughter house and Poultry house	Malappuram Municipality	April 2025	Land occupied and land clearance	Land occupied and land clearance	Land occupied and land clearance	Land in ward I	NA
1.2	Valiyathodu Cleaning - 8 Km length	Malappuram Municipality	Completed	Cleaned			50%	Work ongoing
1.3	Installation of screening net in the Valiyathode	Malappuram Municipality	December 2019	Inspected	Inspected		100	NA
1.4	Identification of polluting points in Kadalundi river & awareness campaign - River walk(puzha nadatham – 15 km length)	Malappuram Municipality	Completed	Completed			100	NA
1.5	Sanitation facility and treatment of waste water in the markets - Treatment plant	Malappuram Municipality	building construction under process	New building construction process-progress	New building construction process-progress	New building construction process-progress	50%	New Building Constructi on Progress
1.6	The discharge of waste water from the surrounding houses to the Valiyathodu -Blocking of discharge of liquid waste	Malappuram Municipality	Completed	Completed			100%	Enforcement activities conducted in regular intervals
1.7	Identification of illegal outlets into storm water drains and fine imposed on such units.	Malappuram Municipality	Ongoing	Inspection continuing	Inspection continuing		Inspection continuing & action taken	completed
cc	Biodegradable waste Bio bins – 376 Bucket compost – 269 Thumboormuzhi Aerobic bins - 9(schools) Biogas plant -55 Ring compost unit -6000,	Malappuram Municipality	March 2020 March 2020 March 2020 March 2020	Completed	Completed		100 % 100 % 100 %	Completed Completed Completed
1.9	Non biodegradable waste MCF Plastic shredding and Bailing New mcf	Malappuram Municipality	March 2020 Completed March 2020	Completed			100%	NA
1.1	Identification and monitoring of illegal activities CC tv Network installation	Malappuram Municipality	March 2020	Completed			Nil	NA
2.Kerala State Pollution Control Board								

		KADALUNDY							
	1	2. Malappuram Municipality - Short Term Solid & Liquid Waste Management Action Plan							
No.	Activity	Implementing agency	Time line		Status as on November 2025	Status as on December 2025	Status as on January 2026	% of works completed	Details of works remaining
No.	Activity	Implementing agency		Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% of works completed	Details of works remaining
2.1	River water quality Monitoring- Thirurangadi, Hajiypally National Water Quality Programme(NWMP)	KSPCB		Ongoing; Monthly frequency	Ongoing monthly frequently	Ongoing monthly frequently		100%	
2.2	River water quality Monitoring - Thirurangadi, Kooriyad, Manikut, Hajiypally, Anakayam, Oravambrum - State Water monitoring programme (SWMP)	KSPCB		Ongoing; Seasonal - Pre -monsoon, monsoon, post -monsoon	Ongoing monthly frequently	Ongoing monthly frequently		100%	
2.3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc. in Malappuram Municipal area	KSPCB		Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months	Ongoing	Ongoing		100%	
3.Ground Water Department									
No.	Activity	Implementing agency		Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
3.1.	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks (Earlier status : As per Groundwater resources of Kerala, 2017 estimate a total number of 3 blocks (Mankada, Vengara and Malappuram) comes under the Kadalundi river basin. Out of three blocks Malappuram and Vengara are semi-critical blocks and the rest is a safe one, stage of groundwater extraction ranges from 69.43 % to 79.84%) As per Groundwater resources of Kerala, 2022,the three blocks namely, Mankada,Vengara and Malappuram blocks are semi-critical.	Ground water Department			Groundwater extaction for industrial purpose (Packaged drinking water Units) is restricted in the semi critical blocks having stage of groundwater extraction is more than 80%). Only limited extaction (upto 2500 LPD) is allowed.	Groundwater extaction for industrial purpose (Packaged drinking water Units) is restricted in the semi critical blocks having stage of groundwater extraction is more than 80%). Only limited extaction (upto 2500 LPD) is allowed.		% of works completed cannot be mentioned.	NA

		KADALUNDY							
	1	2. Malappuram Municipality - Short Term Solid & Liquid Waste Management Action Plan							
No.	Activity	Implementing agency	Time line		Status as on November 2025	Status as on December 2025	Status as on January 2026	% of works completed	Details of works remaining
3.2	Ground water recharging / rain water harvesting (Earlier status : The average pre -monsoon groundwater level ranges from 7.59mbgl - 13.57 mbgl. Groundwater Department has implemented 3 no of roof top rain water recharging through recharge pit schemes in Vengara block.)	Ground water Department			Malappuram-1 recharge pit, 10 OW recharge Mankada-1pit, 4 OW, 1 Pond rennovation. Vengara- 3 pit, 1 OW Kondotty-5 pit, 1 OW Tirurangadi-2 pit,2 OW Vallikkunnu-1 pit	Malappuram-1 recharge pit, 10 OW recharge Mankada-1pit, 4 OW, 1 Pond rennovation. Vengara- 3 pit, 1 OW Kondotty-5 pit, 1 OW Tirurangadi-2 pit,2 OW Vallikkunnu-1 pit		% of works completed cannot be mentioned.	NA
3.3	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps (Earlier status : Groundwater Department has 6 observation dug wells and 14 bore wells in the river stretch. (report attached) (Map No: 7 attached))	Ground water Department			Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.		% of works completed cannot be mentioned.	NA
3.4	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status : The total irrigation draft in the area ranges from 979.683 - 1857.49 ha.m.)	Ground water Department			For irrigation purposes,Pump ing test in their well is done and safe yield is calculated and will inform the applicant	For irrigation purposes,Pump ing test in their well is done and safe yield is calculated and will inform the applicant		% of works completed cannot be mentioned.	NA

**ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN KADALUNDY RIVER -
DECEMBER 2025**

Sl.No	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD , (mg/l)	COD (mg/l)	FC (cfu/100 ml)
1	Valiyangadi drain	7.3	7.5	1.2	3.4	80
2	Valiyangadi bypass drain	DRIED				
3	Valiyathod drain	7.2	7.1	2.5	4.2	60
4	Hajiyarpally	6.9	7.5	1	3.2	240
5	Tirurangadi	6.7	6.8	1.4	3.4	280



ASSISTANT SCIENTIST

		TIRUR						
2 IRRIGATION DEPARTMENT								
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1.1.1	Strengthening the right side bund of Tirur- Ponnani puzha at Porur, ward no.I Tirur Municipality	Irrigation Department	6 Months				Work Completed. Bill Paid (Rs 2984168/- including GST)	Remarks-These two works are arranged as single work named as "General-National Green Tribunal-Rejuvenation of polluted rivers-Tirur-Ponnanippuzh a-General Civil work"amounting Rs 30.10 L . Work Completed. Bill Paid (Rs 2984168/- including GST)
1.1.2	Cleaning and development of old Ponnani thodu at Thazhepalam	Irrigation Department	6 Months				100%	

[illegible]

No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1.2.1	Provide septic tank for nearest houses	Tirur Municipality	Dec 2019	completed	completed	completed	100%	completed
1.2.2	Establishment of Solid waste Treatment Plant ThumboorMozhi Model Aerobic Bin	Tirur Municipality	March 2020	completed	completed	completed	100%	completed
1.2.3	Establishment of Non Degradable waste treatment Plant Resource Recovery facility Centre Plastic Shredding Unit Segregation shed	Tirur Municipality	March 2020	completed	completed	completed	100	completed
1.2.4	Slaughtering House	Tirur Municipality	December 2020			Renovation Work ongoing	80%	Work ongoing
1.2.5	Fencing on Bridgeside Thalakkadathur Bridge	Tirur Municipality	December 2020	completed	completed	completed	100	completed
1.2.6	Installation of CCTV Camera near the river Bank Thalakkadathur Bridge	Tirur Municipality	May 2020	Keltron was invited to tender for Rs.5 lakh.Keltron was not ready to take over due to the low amount.Local tender is being invited	Local tender is being invited	Local tender is being invited	Local tender is being invited	Local tender is being invited
1.2.7	Planting of Bamboo seedlings on the river bank (Thazhepalam)	Tirur Municipality	June 2020	completed	completed	completed	100%	Ongoing
1.2.8	Renovation of Effluent treatment plant at fish Market AMC Granted ETP with Aeorobic System	Tirur Municipality	June 2019	completed	completed	completed	100%	completed
1.2.9	Setting up of STP at Private Bus stand	Tirur Municipality	June 2020	completed	completed	completed	100	completed

1.2.10	Setting up of a new drain after demolishing the old one. The old one was the hub of the waste water outlet of the shops and other establishments. The proposed drain is constructing in the middle of the road so as to avoid intrusion of pipes from outside	Tirur Municipality	June 2020	completed	completed	completed	100%	completed
1.2.11	Identification of illegal outlets into storm water drains and fine shall be imposed on such units	Tirur Municipality		completed	completed	completed	100%	Ongoing
5	6 Cheriyamundam Grama panchayat							
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1.3.1	Fencing on bridge side Thalakkadatur	Cheriyamundam Grama panchayat	March 2020	Completed	Completed	Completed	100	Completed
	4.Kerala State Pollution Control Board							
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1.4.1	River water quality Monitoring- Thalakkadathur National Water Quality Programme(NWMP)	KSPCB	Ongoing; Monthly frequency					
1.4.2	River water quality Monitoring State Water monitoring programme (SWMP)	KSPCB	Ongoing; Seasonal					
1.4.3	Inspection and effluent quality monitoring of the flats, Industrial units, Service stations, hospitals, auditorium, hotels in Municipal area		Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months					
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining

1.5.1.	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks (Earlier status : As per Groundwater resources of Kerala, 2017 estimate a total number of 2 blocks (Tirur and Kuttippuram) comes under the Tirur river basin. These two blocks are semi-critical blocks and the stage of groundwater extraction ranges from 77.75 % to 77.92%)	Ground water Department					% of works completed cannot be mentioned.	NA
1.5.2	Ground water recharging / rain water harvesting (Earlier status : The average pre-monsoon groundwater level ranges from 6.14mbgl - 8.49 mbgl.)						% of works completed cannot be mentioned.	NA
1.5.3	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or handpumps (Earlier status : No observation well along the river stretches)						% of works completed cannot be mentioned.	
1.5.4	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status : The total irrigation draft in the area ranges from 49.14 - 870.97 ha.m.)							
6. ACTION PLAN BY VARIOUS GRAMA PANCHAYATHs- Thalakkad, Vettom, Mangalam								
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
1.6.1	Protection of Thirur Ponnani River	Thalakkad grama panchayath handover fund to District Panchayat	31.03.2020				100	

1.6.2	Installation of CC TV camera on Yetterikadavu Kunjulikkadavu Mangattiri Bridge, Aikkanchiri Bridge, Paravanna Bridge	Vettom - KS SECURITY SYSTEM	Completed	Project taken for installing new camera	Project taken for installing new camera	Project taken for installing new camera		
1.6.3	Installation of CC TV camera	Mangalam grama panchayath Win Plus Agency, Kondotty	Completed				100	
1.6.4	Haritha Keralam Thirur-Ponnani puzha protection	Mangalam grama panchayath Nirmithi Kendra, Kozhikkodu	31.03.2020				100	

**ANALYSIS REPORT OF POLLUTED STRETCH POINTS IN TIRUR RIVER -
DECEMBER 2025**

SI NO	Name of point	PARAMETERS				
		pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	FC (cfu/100ml)
1	Drain near Tirur Railway station	7.0	4.1	1.3	3.4	120
2	Thazhepalam drain	6.6	4.1	1.7	3.8	100
3	Naduvilangadi drain (old ponnaniyodu)	Dried				
4	Annassery drain	Dried				
5	Canal at CV Land	Dried				
6	Canal at Mangalam thuruth					
7	Canal at Pullooni	6.9	4.3	1.6	4.4	60
8	Drain near Mangattiri bridge	Road block due to maintenance work				
9	Drain near Ettirikkadavu bridge	6.9	4.3	1.7	3.6	100
10	Epothingal	6.9	4.3	1.9	4.2	280
11	Asarikkadav	Dried				
12	Kandanathkadav	Dried				
13	Pancharamoola	Dried				
14	Kakadav	6.8	3.7	1.4	3.8	80
15	Kanathkadav	6.8	3.6	2.1	4.2	100
16	Drain near tirur railway station	Dried				
17	Payyanangadi (kadayiyodu)	Dried				
18	Thalakkadathur	6.8	5.1	1.9	4.3	500
19	Naduvilangadi	7.3	4.8	1.9	3.8	420


ASSISTANT SCIENTIST

	KALLAYI							
	Kozhikode Corporation							
No.	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% 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	The ULB has executed an agreement with the KCCL & AIPPL - (JV)on 21.05.2025 to execute a 15 MLD at West Hill Industrial Estate, in the DBOT mode. The SHPSC meeting held on 27.10.2025 has approved the administartive sanction of this project for 166.66 Cr. CRZ map preparation has been completed. The preparation of the EIA Report, Risk Assessment Plan and Disaster Management Report was completed on 30.09.2025. The CRZ consent fee and PCB consent fee were paid on 30.09.2025. The consent to establish was received from the PCB on 28.11.2025. The details will be submitted to the KCZMA for CRZ consent by 09.12.2025		Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	On going
2	Waste to energy project proposed at Njeliyamparamba	KSIDC	30.06.2021	Project dropped		Project dropped		Not reported
3	Establishment of Aerobic compost units 24 units established in 6 sites	Kozhikode Corporation	Completed and functioning	Completed and functioning		Completed and functioning	100%	
4	Segregation of solid waste at source level and treatment of house hold wastes 300 ring compost and 150 biogas plant installed	Kozhikode Corporation	30.06.2019	Completed		Completed	100% Coverage	
5	Setting up of rendering treatment plant for chicken stall wastes Installed in Thamarassery panchayath. Now waste is collected from 170 units	Fresh cut agency	on trial run	Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant		Rendering plant installed in Thamarassery Panchayath(Fresh cut rendering plant).Chicken waste generated from chicken stalls under Kozhikode corporations are being transported to rendering plant at Thamarassery. 217chicken stall handed over the chicken waste in in to fresh cut rendering plant	100% Coverage	Functioning
6	Implementation of Green protocol unit	Kozhikode Corporation	30.06.19	On going		On going		On going

7	Setting up of common STP of(13 MLD) 7.1 At Kothi bridge- 6 MLD plant proposed 7.2 At Avikkal -7 MLD plant proposed	Kozhikode Corporation	31.03.2020	Project dropped due to Public protest and court cases.	WEST Hill -15 MLD To be started: For STP- CRZ map preparation has been completed. The preparation of the EIA Report, Risk Assessment Plan and Disaster Management Report was completed on 30.09.2025. The CRZ consent fee and PCB consent fee were paid on 30.09.2025. The consent to establish was received from the PCB on 28.11.2025. The details were submitted to the KCZMA for CRZ consent on 16.12.2026. Pending with KCZMA. For Network- The AS revision was approved by the SHPSC dated 27.10.2025. Due to a court case and a nd court order, the pipe purchase amount was released to the contractor on 29.11.2025. The CRZ Status report, EIA Report, Disaster Management Report and Risk Assessment Report for CRZ approval have been prepared. The consent to establish was received from the PCB on 28.11.2025. The details were submitted to the KCZMA for CRZ consent on 16.12.2026. The survey was completed. The revised network design is to be submitted by the contractor. expected to be submitted by the 4th week of February.	0%	15 MLD STP with 98 km Network
8	Implementation of STP at Kottooli (13.5 MLD)	KWA		After receiving Council approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal. The administrative sanction for constructing a 27MLD STP at Kottoli(Sarovaram) was received on 08.01.2024. Technical sanction is pending with the KWA	Award Pending	0%	27 MLD STP with 220 KLD FSTP as co-treatment with 54 km network

9	Cleaning of Canoli canal	Kozhikode Corporation	20.07.2019	Periodical cleaning	Periodical cleaning	Periodical cleaning		Continuous - seasonal
10	Purchasing of Solar Boat for Canoli canal cleaning	Kozhikode Corporation	31.03.2020	Project dropped	Project dropped	Project dropped		Project dropped
11	Installation of CCTV Camera for the Identification and monitoring of illegal activities	Kozhikode Corporation	31.03.2020	Ongoing	Ongoing	Ongoing		On going
12	Establishment of Mobile Septage Units	Kozhikode Corporation	31.03.2020	Project dropped	Project dropped	Project dropped		Project dropped
13	Action taken against dumping of wastes into river and public places	Kozhikode Corporation	Continuing	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	Continuous
14	Cleaning of B.K canal	Kozhikode Corporation	31.03.2020	Completed	Completed	Completed	100%	
15	Establishment of treatment plant at Medical college (3 MLDplant) Tender over 14.1 -2 MLD plant proposed 14.2- 1 MLD plant proposed	Kozhikode Corporation	31.03.2020	Completed and functioning.	Completed and functioning.	Completed and functioning.	100%	Functioning
16	Construction of drains at Y.M.RC Ayyankar colony	Kozhikode Corporation	31.03.2020	90% coverage	93%	90%	95%	On going
17	Treatment facility for waste water in Central market	Kozhikode Corporation						New project under consideration
18	Establishment of comfort stations	Kozhikode Corporation					On going - Continuous process	Continuous
19	Provide facility for MRF,RRF, Super MRF 3 units existing 19.1 Njeliyanparamb 19.2 Industrial estate 19.3 Meyor bhavanjayanthinagar colony	Suchitwa Mission	Project in progress	3.MRFand 5.MCFare already existing. New project going on.		3.MRFand 5.MCFare already existing. New project going on.		
20	Identification of illegal outlets from house to storm water drain and issue Notice to such Houses	Kozhikode Corporation		On going - Continuous process		On going - Continuous process	Ongoing - continuous process	Continuous
21	Establishment of Plastic shredding unit	Kozhikode Corporation	Project started	Project started		Project started		
22	Establishment of slaughtering unit	Kozhikode Corporation		Project under Consideration		Project under Consideration	Project under Consideration	Not reported
23	Cleaning of drains in Kozhikode Town	Kozhikode Corporation	Ongoing	On going - Continuous process		On going - Continuous process		Continuous
Perumanna Grama Panchayath								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining

[illegible]

No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of work remaining
1	Outlet in storm water drain and issued notice	Peruvayal G P	Continuous process	Ongoing		Ongoing	Ongoing	Continous
2	Establishment of 56 units anaerobic composed unit in panchayat.	Peruvayal GP through MGNREGS	04/2023 to 03/2021	Ongoing		Ongoing	Ongoing	Continous process
3	Setting upof rendering plant for chicken solid waste	Peruvayal G P	Continuous process					
4	Setting up of 379 soak pit plant in all houses	Peruvayal G P	04/2023 to 03/2024	Completed	completed	Completed	Completed	Completed
5	Cleaning of Mambuzha river (Mambuzha renovation) project no :190/2017 -18	District panchayat Kozhikode	2017 -2018	Completed	completed	Completed	Completed	
6	Establishment of 8 numbers of mini MCF	Peruvayal GP through MGNREGS	04/2023 TO 03/2024	80% completed	completed	80% completed	80% completed	No further progress reorted
7	Collection of plastic waste from the river	Peruvayal G P	Continuous process	Work completed		Work completed	Work completed	
8	Collection and segregation of solid waste in the river	Peruvayal GP	Continuous process	Ongoing		Ongoing	Ongoing	Continous process
9	Establishment of Bio gas plant	Peruvayal G P	2023 -24	Work completed (70% coverage)		Work completed (70% coverage)	Work completed (70% coverage)	No further progress reorted
10	Well recharge	Peruvayal GP through MGNREGS	2023 -24	Work completed (60% coverage) .		Work completed (60% coverage) .	Work completed (60% coverage) .	No further progress reorted
Mavoor Grama Panchayat								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of work remaining
1	Transportation of waste management to refinement unit	Konnari Advanced Polymers Limited	2022-23	Completed		Completed	100%	

2	Cleaning of Cherupuzha (Kuniyakadav to Thenghilakadav)	Mavoor GP	2022-23	Completed		Completed	100%	
3	Valayannor Thodu cleaning	MGNREGS	2022-23	Completed		Completed		
4	Arayancode kalchira Thodu Cleaning	MGNREGS	2022-23	Completed		Completed		
5	Vellaram Kandi Chirakkal thazham thodu	Mavoor GP	2023-24	Completed		Completed	100%	
6	Ring compost	Mavoor GP	2023-24	Completed		Completed		
7	Kadayan thodu	MGNREGS	2023-24	Completed		Completed	100%	
8	Chalippadam Punchappadam thodu	MGNREGS	2023-24	Completed		Completed	100%	
9	Puthiyottil thazham Elaram thodu	MGNREGS	2023-23	Completed		Completed	100%	

OLAVANNA GRAMAPANCHAYAT

No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of work remaining
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuous process	Completed		Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuous process	Completed		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		Completed	100%	
5	Setting up of soak pit in houses	Olavanna Gramapanchayat through MGNREGS	4/2022 To 3/2024	Completed		Completed	100%	
6	Action taken against dumping of waste in to river	Olavanna Gramapanchayat	Continuous process	Process continuing		Process continuing	100%	Completed
7	Collection of non - biodegradable waste	Harith karma sena	Throughout the year	Process continuing		Process continuing	Process continuing	Continous

Irrigation Department									
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining	
1	Desilting of Kallayi river from Kaduppini to Kothi in Kozhikode Corporation	Irrigation department	31.03.21	Desiltation of Kallai river under urban agglomeration scheme SHO on 12.09.2024 and Dredging work started ,Work Completed 12%			22%	Ongoing	
2	Provide fencing on the sides of the Bridge	Irrigation department	31.03.21	SHO on 22.08.2024 for providing chain linked fencing on Kothi bridge(Work in progress 30% completed) & SHO on 20.07.2024 for provididng chain linked fencing for Mooriyad road bridge(Work 100% completed)			100%	Completed	
3	Dredging, Desilting & removal of weeds from E K Canal (11.2 km)	Irrigation department	31.07.19	Work entrusted to Kerala Waterways & Infrastructure Ltd (KWIL). DPR for “Canal City Project “ under preparation					
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	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining	
1	River water quality monitoring- Kallayi river National Water Quality Monitoring Programme (NWMP)	KSPCB	Ongoing; monthly frequency	Process continuing		Process continuing	Ongoing; monthly frequency		
2	River water qualitymonitoring– Kallayi rivers State Water Monitoring Programme, KSPCB fund (SWMP)	KSPCB	Ongoing. Seasonal monitoring– pre-monsoon, monsoon, post- monsoon	Process continuing		Process continuing	Ongoing. Seasonal monitoring– pre- monsoon, monsoon, post- monsoon		
3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc . in Malappuram Municipal area	KSPCB	Ongoing Interval: Red–1month. Orange – 3 months. Green – 6 months.	Process continuing		Process continuing	Ongoing Interval: Red–1month. Orange – 3 months. Green – 6 months.		
SuchitwaMission									
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining	
1	Board displaying messages against dumping to be placed in river banks	Suchitwa Mission	15.07.19	Process continuing		Process continuing			
Action Plan by Ground WaterDepartment									

No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% 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 (Earlier status: As per Groundwater resources of Kerala, 2017 estimate ,Kozhikkode Block comes under the Kallai river basin and the block is safe with stage of groundwater extraction 68.49%)			As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		
B(ii)	Ground water recharging / rain water harvesting (Earlier status : The average pre-monsoon groundwater level is 7.23mbgl. Groundwater Department has implemented 3 no of dug well recharge schemes at Kozhikkode block)			The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		
B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps (Earlier status - Groundwater Department has 1 observation piezometer (BW)in the river stretch.)			Ground water Department has 1 observation Piezometer (BW) in the river stretch.)		Ground water Department has 1 observation Piezometer (BW) in the river stretch.)		
B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status - The total irrigation draft in the block area is 488.76 ha.m.)			The total irrigation draft in the Block area is 488.76 ha.m.)		The total irrigation draft in the Block area is 488.76 ha.m.)		
Action plan by irrigationDepartment								
No. (as per Action Plan)	Activity	Implementing agency	Time line	Status as on November 2025	Status as on December 2025	Status as on January 2026	% works completed	Details of works remaining
E	Dredging and desilting	Irrigation Dept	3 years	Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10% (Work halt due to off season)		Desiltation of kallayi river under urban agglomeration. SHO on 12.09.2024 and Dredging work started, started Work Completed 10% (Work halt due to off season)	16%	

E	E-flow (by micro water shed management)	Irrigation Dept	3 years	Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.		Action to be taken by the hydrology wing of irrigation department as this needs data collection, scientific analysis and modeling skills. The matter has been communicated to the Hydrology wing Assistant Engineer at Kozhikode.		
E	Flood plain zone (protection and management)	Irrigation Dept	3 years	Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.		Action to be taken by the hydrology wing of irrigation department. The matter has been communicated to the Hydrology wing.		
E	Greenery development (plant in trees on thebanks)	Irrigation Dept	3 years	Not reported		Not reported		Not reported



KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

കോഴിക്കോട് റീജ്യണൽ ഓഫീസ്
REGIONAL OFFICE, KOZHIKODE



Phone: 0495-2300744 Mail: pcbrokkd@gmail.com Website: kspcb.kerala.gov.in

3rd FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002

ANALYSIS REPORT OF RIVER WATER

Report No.	K R O S 5 9 2 2 / 1 to 5	Date:	0 4 0 2 2 0 2 6					
Date of Sample Collection	1 0 0 1 2 0 2 6	Date of receipt of the sample	1 3 0 1 2 0 2 6					
Sampled by:	RL ,KKD	Time	Hours: 1 1 : 0 0 AM					
Sampling Method	APHA1060B,a	Sample ID	KL1, KL2, KL3, KL5,& KL6					
Sample container	PC 2.5 L	Sample Lab Code	KROS :5922/1-5					
Source:	KALLAI RIVER WATER	Ref.letter No.	PCB/KKD/DO/ Polluted River Stretch/2018 Vol. IV, Dated 13.01.2026					
Specific sampling location:	KALLAI POLLUTED RIVER STRETCH	Received from:	EE,DO,KKD					
Sample preservation:	Ice box	Period of analysis:	13.01.2026-04.02.2026					
		No. of samples	5					
		Analysed by:	SNS/NSS/PVH/AJ					
		Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22 nd Ed.)						
sl no	Parameters	unit	Method No.	SAMPLE ID				
				KL 1	KL 2	KL 3	KL 5	KL 6
1	pH	-	APHA 4500-H+,B	7.22	7.26	7.31	7.4	7.5
2	CONDUCTIVITY	µmhos /cm	APHA 2510B	13470	19660	21200	36400	23750
3	BOD	mg/L	IS3025 (Part 44)	4.4	1.47	4.67	3.4	2.2
4	DISSOLVED OXYGEN	mg/L	APHA 4500-O,C	3.5	5.5	5.7	3.1	5.6
5	TOTAL COLIFORM,	CFU/100ml	APHA 9222B	14000	26000	28000	44000	21000
6	FECAL COLIFORM	CFU/100ml	APHA 9222D	9000	19000	18000	36000	13000
7	FECAL STREPTOCOCCUS	CFU/100ml	APHA 9230 C	580	330	490	470	4100
8	TEMPERATURE	°C	APHA 2550B	27	27	26	27	27

Test method variation: None

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

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

Scientist in charge

National Mission for Clean Ganga

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

RIVER MANIMALA, ALAPPUZHA

S. No.	Activity to be monitored	Timeline	Submission of progress by State/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2021	NIL
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	Since Large Land holding by local residents on the bank, No
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning	22.01.2020	Such issues arises, no need of steps since
5	Chief Secretaries may set up appropriate monitoring mechanism at state level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose	22.01.2020	No industry/commercial activity
	• Monitoring at State level must take place	22.01.2020	NIL
6	Progress report may be furnished by the State/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	22.01.2020 Fortnightly commencing	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.	2020-2021	pollution were identified. The drains are seasonal and water quality is above the required limit, no in situ.
(II) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		Proposal for setting up an FSTP by Chengannur municipality is initiated.
(III) <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status		Since the area does not contain any industry no requirement of any CETP, this action. Plan revised.
(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline	2019-2020	The adjoining local bodies are in the stage of developing and establishing adequate solid waste management facilities also the solid waste during issues were not identified in the stretch during field visit held during past 1 year.
(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;	2020-2021	Water quality analysis result of the stretch up to DECEMBER 2023 is enclosed.
(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	Awareness campaigns initiated. No groundwater pollution is noted in the area action yet to

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

ACTION PLAN FOR RIVER PAMBA, KERALA

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of November 2025	Progress in the month of December 2025	Progress in the month of January 2026	% works completed	Details of works remaining
A(a)	Monitorng of river water quality	Kerala State Pollution Control Board	Continuing project				100%	NIL
A(b)	Rendering Plant at Eraviperoor or Thiruvalla	Eraviperoor/ Thiruvalla local body	31.03.2021				0%	Work to be initiated
C(ii)	Fencing of bridges, desilting,	Irrigation	31.03.2021				0%	Work to

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

C	Door to door collection of solid waste & Material Collection Facilities (MCF) & Resource Recovery 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 November 2025	Progress in the month of December 2025	Progress in the month of January 2026	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks	31.03.2021					
2	B(ii)	Ground water recharging / rain water harvesting in Govt offices	31.03.2021					
3	NGT order in O.A	NGT order in O.A no.496/2016	31.03.2021					

	no.496/2016 Identification of illegal bore wells in the catchment area.	Identification of illegal bore wells in the catchment area.						
--	--	--	--	--	--	--	--	--

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 JANUARY 2026

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

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

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

ACTION PLAN FOR RIVER PAMBA, KERALA

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
A(a)	No industries	-	-					
A(a)	Monitornng of river	Kerala State	Continuing					

	water quality	Pollution Control Board	project					
C(ii)	Establishment of de-centralized solid waste treatment facility	MannarPanchayat, Kadapra/ NiranamPanchayath	31.03.2021	No new project taken	No new projects	No new projects		
C	Establishment of Material Collection Facility	MannarPanchayat, Kadapra/ NiranamPanchayath	31.03.2021	CIVIL WORK COMPLETED	CIVIL WORK & ELECRIFICATION COMPLETED	CIVIL WORK & ELECRIFICATION 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 & GLASS WASTE COLLECTION	PLASTIC WASTE COLLECTION		
C	Door to door collection and transportation of municipal solid waste	MannarPanchayat	31.03.2021	Userfee collection 75.4 %	Userfee collection 75.55 %	Userfee collection % 74.2 %		
C	Construction of small sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Parumala Town	KadapraPanchayat	31.12.2020					
C	Construction of small	MannarPanchayat	31.12.2020	Projects has to be	Projects has to be	Projects has to be		

	sewage treatment plant with screening, septic tank and disinfection to the storm water drain of Mannar Town			taken	taken	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	Regulating activities in flood plain zone, protection and management of flood plain zone	Irrigation department	31.03.2021					
	Greenery development Plantation 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 Offices institution & Public function	Mannar, Kadapra/ Niranam Panchayat	31.05.2020	100%	100%	100%		

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 &E WASTE COLLECTED BY HARITHAKARMASENA	PLASTIC & GLASS WASTE 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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical					

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

National Mission for Clean Ganga

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

RIVER PERIYAR. ERNAKULAM

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

6.1	Progress Report may be comprised of details along with completion timelines on: (I) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment. (II) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (III) <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status (iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; (vi) Preventing dumping of waste and scientific waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc. (vii) Ground water regulation (viii) Adopting good irrigation practices (ix) Protection and management of flood plain Zones (FPZ) (x) Rain water harvesting (xi) Maintaining minimum Environmental flow of river (xii) Plantation on both sides of the river (xiii) Setting up biodiversity parks on flood plains by removing encroachment		
-----	--	--	--

ACTION PLAN FOR RIVER PERIYAR, KERALA

SHORT TERM MEASURES

No. (as per tion Plan)	Activity	Implementing agency	Timelin e	Progress in the month Of November 2025	Progress in the month Of December 2025	Progress in the month Of January 2026	% works complet ed	Details of works remaining
(b)	Augmentatio n 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	Aluva Municipalit y	Dec 2019	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued. Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwaithasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued. Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwaithasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.	All the mechanical machinery of the STP needs to be replaced for the renovation. The estimate was recast. Electrical work and civil work are almost complete. Re-tender was called for the mechanical work, and the work order was issued. Steps will be taken to obtain PCB consent for the STP. Access to the Sewage Treatment Plant has been obstructed by the Adwaithasramam by constructing a wall. Consequently, a notice for the removal of this impediment has been sent by the Municipality, The matter was already addressed to the district collector & in the next week a meeting is scheduled by the District collector.		
(b)	Augmentatio n and Revamping of existing STP at Aluva Market and to	Aluva Municipalit y	2021	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is	The reconstruction of the Aluva General Market has received administrative sanction for Rs. 48 Crore under PMSSY, and the DPR has been prepared. The reconstruction of the market includes an ETP with increased capacity (1 MLD). Since an ETP with increased capacity is		

	increase the capacity of STP so as to treat more sewage generated in the municipality			being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing	being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing.	being installed, the proposal for the lower capacity ETP proposed only for the Fish Market will be excluded. An application has been submitted to the Board for Consent to Establish for the construction work of the market's ETP. The inauguration of the Hi-Tech Market was conducted on June 29. The DPR includes STP and ETP.Piling work is ongoing.		
(b)	Discharge of sewage from township to the River through drain near Periyar Hotel shall be stopped.	Aluva Municipality	2020	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed.	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed.		
(b)	Identification of the establishment s/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain and to collect fine based on polluter pay	Aluva Municipality, KSPCB	2020	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed.	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed.	A Special Squad has been formed for inspection. Inspection is conducted at the outlets leading to canals, streams, and the Periyar, and fines are imposed.		

	principle							
(a)(iv)	Periodical inspection in the Industries, Flats, hotels monitoring of STP,ETP	KSPCB	Periodical	ONGOING	ONGOING.	ONGOING.		
(ii)	Installation of modern abattoirs	Aluva Municipality	March 2021	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.	It was reported that the Council approved the Expression of Interest for the construction of a modern slaughterhouse and preparation of the DPR 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 an ICE application should be submitted for the construction of the Slaughterhouse. Approval has not been received from the Town Planning Department as a house is situated at a distance of 7.5 m. Request for Direct approval from the government is sent.		
(b)	Procurement of sewer cleaning machines and equipment maintenance	Aluva Municipality	March 2020	Drain cleaning activities are carried out daily . equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	Drain cleaning activities are carried out daily . equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	Drain cleaning activities are carried out daily . equipment like JCB, Hitachi , through an annual contract. Equipment for cleaning drains has been purchased.	100	
	Installation of cameras at the waste dumping spots	Aluva Municipality	2020	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras.	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras.	As part of monitoring dumping sites (places where waste is deposited), 66 cameras have been installed. All are working. Rs. 15 Lakh has been earmarked for installing new cameras.		

				They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-	They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-	They will be installed this financial year. Fine details for after last meeting: Fine- Rs.22500/-		
	Construction of STP and FSTP	Aluva Municipality		The DPR of the Water Authority and the funding of the Suchitwa Mission are available, but the land has not been made available.	The DPR of the Water Authority and the funding of the Suchitwa Mission are available, but the land has not been made available.	The DPR of the Water Authority and the funding of the Suchitwa Mission are available, but the land has not been made available.		
(b)	Construction of retaining wall with HDPE liner at Kalamassery dumping yard in order to prevent the leachate discharge from the yard to Thoombungal Thodu	Kalamassery Municipality	Sept 2019	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. The STP will be installed immediately after Biomining. Biomining work is 45% complete. Biomining operations were suspended in April and will restart in November.	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. Biomining work was resumed in December and now 50% of the work is completed.	The construction work of the boundary wall of the dumping yard has been completed. The compound wall construction has been completed. Biomining work was resumed in December and now 50% of the work is completed.	100%	
(ii)	Installation of plastic shredding unit	Kalamassery Municipality	June 2019	One plant has been established and is operating. The shredded material is taken by CKCL. It was reported that this is taken to the Palakkad Cement Factory. It has been decided to establish a PSU after the biomining is complete.	One plant has been established and is operating. No progress regarding the second unit.	One plant has been established and is operating. No progress regarding the second unit.	100%	

(a)(iv)	Constitution of squads for night surveillance for finding the unauthorized dumping of sewage at NAD wetlands Kalamassery	Kalamassery Municipality, Police department	2020	A squad has been formed and continuous surveillance is being conducted. Those who dump waste are being identified using the cameras available to the Municipality. Cameras cannot be installed on the NAD road as the area is under the control of NAD. An IEC plan is being put forward in association with the KSWMP project. As part of this, the decision to provide drainage and awareness classes has been included in this year's plan.	No progress reported.	No progress reported.	N A	
(b)	Installation of common STP for Kalamassery Municipality and ETP at Municipal Market. Obtain a consent from Pollution Control Board	Kalamassery Municipality	December 2019	The work of renovating the existing ETP in the market has not started. The market renovation will be completed within 2 months. The STP will be established at the current dumping yard site after the completion of biomining. A proposal for 2 new STPs has been sent to the DPC.. The construction of the STP has been decided to be included as a new project in this year's plan. It has been decided to complete the works by July 2026.	No progress reported. Informed that the construction of the STP has been decided to be included as a new project in the year 2026.	No progress reported. Informed that the construction of the STP has been decided to be included as a new project in the year 2026.	N A	
(a)(iv)	Monitoring and surveillance of industries in Kalamassery Industrial Estate in order to prevent unauthorized discharges to Muttar River	KSPCB	2019	Inspection is ongoing. There is currently a possibility of sewage reaching the river from the market. This problem can be solved with the renovation of the market. The PCB, EE informed that a letter was sent to the Municipality regarding the low DO found in the water collected from the Thumbunkal stream and the PutthalamKadavuon the Idamula branch of	No action reported.	No action reported.		

				the Periyar on June 2, and no reply has been received.PCB EE has informed that the DO levels are currently normal.				
(ii)	Installation of modern abattoirs including poultry and meat rendering plants.	Kalamassery Municipality, Industries Department (for land allotment)	2021	There is no progress due to the lack of space.	No progress reported.	No progress reported.	N A	
(b)	Identification of the establishments/ commercial complexes/flats /houses/hotels etc who is discharging the sewage to the public drain	Kalamassery Municipality	2020	A fine of Rs. 22,36,940/- has been collected so far for waste dumping and sewage discharge. Waste dumping fine: August – Rs. 25000/-	No progress reported.	No progress reported.	N A	
	Installation of cameras at the waste dumping spots	Kalamassery Municipality	2020	84 cameras have been installed, 2 in each of the 42 wards. Visuals are available.	No change.84 cameras have been installed, 2 in each of the 42 wards. Visuals are available.	No change.84 cameras have been installed, 2 in each of the 42 wards. Visuals are available.		
(b)	Identification of sources of sewage discharged to drain near Pathalam bridge and	Eloor Municipality, KSPCB (for monitoring)	2020	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on	Inspections are conducted periodically. Arrangements were made to divert the sewage discharged from shopping complexes, shops, etc., to the soak pit, and the problem was solved. Fencing is completed. Discussions are ongoing with FACT for the land required for establishing STP. A meeting was held on		

	action to stop the discharge which reach river Periyar from hotels, labor camps etc In case the quantity of sewage generated is assessed to be more STP need to be installed			19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,000.	19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,000.	19/06/2025. The agency presented the presentation about the STP to the FACT officials. Monthly fine collection is around Rs.1,00,000.		
	Installation of cameras at the waste dumping spots	Eloor Municipality	2020	84 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, where the waste is frequently deposited.	84 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, where the waste is frequently deposited.	84 cameras have been installed. All are working. Fines are collected. Keltron cameras have installed near the aerobic bin close to HIL Company and near the aerobic bin atManjummalarattukadavu, where the waste is frequently deposited.		
(a)(iv)	Periodical inspection in the Industries, Flats, hotels for monitoring of STP,ETP located in Cochin corporation	KSPCB	periodical					
(a)	Inventory of sources of pollution	Kochi Municipal Corporation	3 months	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads	Squad comprising Engineering & Health has been formed to identify the sources dumping sewage/waste water. 4 squads		

	through a rapid study/Study for identification of pollution sources at Edapally thodu			conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025	conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025	conduct regular inspections. Desilting works for the year 2024 have been completed. Desilting work for the year 2025-2026 is ongoing. Night squad conducts inspections at these locations. A special squad conducts inspections regarding septic tanks. Fine collected, (Total): Rs. 528700/- from 01/08/2025 to 31/08/2025		
(a)(iv)	Periodical inspection in the flats, hotels, shops located along the river	Kochi Municipal Corporation	periodical	Regular inspections are conducted in establishments near the river.	Regular inspections are conducted in establishments near the river.	Regular inspections are conducted in establishments near the river.		
(b)	Identification of natural drains/thodu reaching river Periyar and cleaning of weeds, grasses etc	Irrigation department	2 years	Minor Irrigation: Cleaned 23 streams in Eloor Municipality. The project "Krishikkopam Kalamassery" worth Rs.8 Crore is ongoing. This includes the desilting of 40 streams, 7 culverts, and 2 sluicers. Desilting&deweeding of 25 streams has been completed in Karumalloor region. 80% of the work on 7 culverts has been completed. <u>Major Irrigation:</u> The work of cleaning, weed removal, and side protection has been arranged for one of the thodus, "Erezhuchaal Punchathodu." However, the work could not be commenced due to complaints from	Minor Irrigation: No progress from the previous meeting reported.EE opined the local bodies to maintain the streams periodically after the desiltation and deweeding. <u>Major Irrigation:</u> No progress reported.	Minor Irrigation: No progress from the previous meeting reported.EE opined the local bodies to maintain the streams periodically after the desiltation and deweeding. <u>Major Irrigation:</u> No progress reported.		

				nearby residents regarding encroachment. Accordingly, the Assistant Executive Engineer, Additional Irrigation Sub Division, Aluva, has requested the Bhoorekha Tahsildar, Paravoor, to carry out boundary demarcation. A letter has also been addressed to the District Collector to expedite the demarcation works.. <u>1. Kuthu thodu</u> The desilting work of kuthu thodu has been completed under operation vahini 2025-26.				
(iii)	Clearing of weeds, grasses at the river bank in order to ensure the smooth flow of water	Irrigation department	3 years	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works-Removal of water hyacinth from the Upstream and Downstream of Pathalam Lock cum Regulator at Eloor Municipality in Ernakulam District-2024-25-General Civil Work – Rs.13 Lakhs). This activity is planned to be carried out three times a year to ensure the river remains clean at all times.	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works). This activity is planned to be carried out three times a year to ensure the river remains clean at all times. 1 st phase is over.	The first phase of the work for removing weeds in the upstream and downstream reaches of the Pathalam RCB is in progress (GENERAL-NGT - Works-Periodic Cleaning works). This activity is planned to be carried out three times a year to ensure the river remains clean at all times. 1 st phase is over.		
(a)	Maintaining of Minimum flow in river during lean period and	Irrigation department	3 years	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP) was submitted to the	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP), after comments, from KSPCB,	As part of the water management, shutters are being operated as required. The draft Shutter Operation Protocol (SOP), after comments, from KSPCB,		

	periodical operation of Regulators at River in-order to maintain minimum flow.			Government for approval in September 2025 and is awaiting approval for implementation. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) levels in the official WhatsApp group formed for monitoring the operation of RCBs. On review, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in an efficient and systematic manner	was submitted to the Government for approval. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) On review of the DO levels in the official Whatsapp group formed for monitoring the operation of RCBs, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in an efficient and systematic manner.	was submitted to the Government for approval. Officials of the Pollution Control Board are sharing dissolved oxygen (DO) On review of the DO levels in the official Whatsapp group formed for monitoring the operation of RCBs, it is observed that the DO level near the Pathalam RCB is satisfactory (above 4 mg/Ltr). Hence the shutters are being operated in an efficient and systematic manner.		
(b)	Common Effluent Treatment Plant at Edayar Industrial Estate	Industries department	2022	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."				
(b)	Construction of internal roads and proper drainage in Edayar industrial estate	Industries department		Road drainage works worth ₹9.47 crore completed under the CDP scheme. 100% of the drainage construction completed for the ₹34 lakh allocated to PWD. All maintenance/repair works for internal roads are complete. PCB and PWD conducted a joint inspection, and a rectification sketch for the drainage system was given to PWD. PWD needs	Letter was issued to PWD for the drainage-rectification work on 05/03/2025. Reminder will be sent. No Progress reported from the meeting held on 01.07.2025.	Letter was issued to PWD for the drainage-rectification work on 05/03/2025. Reminder will be sent. No Progress reported from the meeting held on 01.07.2025.		

				to submit the Feasibility Report to the industrial estate.				
(b)	Installation of common discharge pipe line at downstream of Pathalam Regulator Bridge	Industries department, Irrigation department	3 years	Based on the minutes of the Environment-Chief Secretary's monthly review meeting with RRC/ Stakeholder Departments/ Authorities held on 9.2.2023 it is recorded as "The CETP project may be dropped and all the units may be advised to have their own facilities for treatment of effluent. The fund allotted for the project may be utilized for any other liquid waste treatment project."				
	Installation of Night vision surveillance cameras at the River Bank side	KSPCB	2020	Surveillance cameras and related equipment have been installed	9 Surveillance cameras and related equipment have been installed.	9 Surveillance cameras and related equipment have been installed.	1 0 0	
(a)(iv)	Periodical Monitoring of Eloor, Edayar, Kalamassery Industrial belts	KSPCB	2020	Inspections are being conducted and nighttime surveillance is being conducted continuously with the involvement of more staff.	Regular Inspections, including night surveillance are being conducted by ESC, Eloor.	Regular Inspections, including night surveillance are being conducted by ESC, Eloor.	1 0 0	
(a)(iv)	Monitoring of quality of water at various intake point	Kerala Water Authority	2020					

(a)(iv)	Installation of additional continuous online River water monitoring station	KSPCB	2022	Real time water quality monitoring stations has been installed at the upstream & downstream side of pathalam bund.	Real time water quality monitoring stations has been installed at the upstream & downstream side of Pathalambund. Values at both stations are satisfactory.	Real time water quality monitoring stations has been installed at the upstream & downstream side of Pathalambund. Values at both stations are satisfactory.	100	
(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Kadungallur Panchayath	2020	Establishments dumping sewage are identified, and fines are collected.	Establishments dumping sewage are identified, and fines are collected.	Establishments dumping sewage are identified, and fines are collected.	50%	
	Installation of cameras at the waste dumping spots	Kadungallur Panchayath	2020	42 cameras have been installed currently.	42 cameras have been installed currently.	42 cameras have been installed currently.	50%	
(b)	Identification of the establishments/commercial complexes/flats/houses/hotels etc who is discharging the sewage to the public drain	Choornikkara Panchayath	2020	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently, if any.	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently. if any. <u>Fine.</u> 40,000- November	Inspections are being conducted, the panchayat is directed to update the details of fines collected recently. if any. <u>Fine.</u> 40,000- November		

	Installation of cameras at the waste dumping spots	Choornikkara Panchayath	2020	56 cameras have been installed. 2 camera are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval.	56 cameras have been installed. 2 cameras are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval. Implementing authority is KMRL.	56 cameras have been installed. 2 cameras are not working now. It will be resolved after renewing the AMC. 13 more cameras will be installed using KMRL CSR fund. It has been sent for government approval. Implementing authority is KMRL.		
--	--	-------------------------	------	--	---	---	--	--

LONG TERM MEASURES

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month Of November2025	Progress in the month Of December2025	Progress in the month Of January 2026	% works completed	Details of works remaining
A(b)	Construction of walkway, ring roads etc at the Periyar River bank at industrial belt.	Irrigation department	4 years	The proposal for construction of dyke wall and surveillance road on the right bank of the Periyar River, along the Eloor–Muppattadam Industrial Area has been submitted. As a part of this proposal Initial investigation works has been completed. The Irrigation Design and Research Board has completed the design	No progress reported. Reminders will be sent to the District Collector and the Land Records Tahsildar, requesting them to take necessary steps to complete the demarcation work at the earliest.	No progress reported. Reminders will be sent to the District Collector and the Land Records Tahsildar, requesting them to take necessary steps to complete the demarcation work at the earliest.		

				process for the dyke wall; however, the Detailed Project Report (DPR) can be prepared only after completion of the survey and demarcation process for the entire length is completed . Survey & Demarcation works is in progress, and out of the total length of 1.20 km, survey of 730 metres has been completed.. Survey work for the remaining 470 metres is yet to be completed. Letters have been sent to the Hon'ble District Collector and the Land Records Tahsildar, requesting them to take necessary steps to complete the demarcation work at the earliest				
C(i)	Fencing of the river banks along the stretches of waste disposal (Edamula stretch)	Cochin Municipal Corporation	1-2 years	The fencing work of the Aryanpadam stream has been presented in the budget. Permission has been received for only 40 cameras. They are	The fencing work of the Aryanpadam stream has been presented in the budget. Permission has been received for only 40 cameras. They are	The fencing work of the Aryanpadam stream has been presented in the budget. Permission has been received for only 40 cameras. They are		

C(iii)	Beautification of the river stretches (Edamula stretch)	Cochin Municipal Corporation	1-2 years	being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.	being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.	being installed in 24 wards of the Smart City. A proposal for 40 AI cameras for monitoring the water body and waste dumping into it has been presented to the committee.		
--------	---	------------------------------	-----------	--	--	--	--	--

ACTION BY GROUND WATER DEPARTMENT

Sl. No.	Ref para item nos as per NGT Order no.673/2018 dated 20.09.2018	Activity	Progress in the month of september2024	Progress in the month of october 2024	Progress in the month of november 2024	% works completed	Details of works remaining
1	B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones/blocks					
2	B(ii)	Ground water recharging / rain water harvesting					
3	B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps					
4	B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices					

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 KADALUNDI, MALAPPURAM

S. No.	Activity to be monitored	Timeline	Submission of progress by state/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation		
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured		STP Repairing project DPC approved and sent to TS
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning		Action plan prepared
5	Chief Secretaries may set up appropriate monitoring mechanism at state level - Specifying accountability of nodal authorities not below the Secretary level - Chief Secretaries may have an accountable person attached in their office for this purpose.		
	Monitoring at State level must take place		
6	Progress report may be furnished by the State/UTs to - Secretary, Ministry of Jal Shakti - Member Secretary, CPCB		
6.1	Progress Report may be comprised of details along with completion timelines on: (I) Identification of polluting sources including drains contributing to river		I) Already screen net placed to the both side of the Bridge and Periodic Inspection & Drainage Cleaning Doing

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

	(ix) Protection and management of food plain Zones (FPZ),		NA
	(x) Rain water harvesting,		NA
	(xi) Maintaining minimum Environmental flow of river		NA
	(xii) Plantation on both sides of the river		
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		

ACTION PLAN FOR RIVER KADALUNDI, MALAPPURAM, KERALA

1. 2. Malappuram Municipality - Short Term Solid & Liquid Waste Management Action Plan								
No.	Activity	Implementing agency	Time line	Progress in the month of October-2025	Progress in the month of November-2025	Progress in the month of December-2025	% of works completed	Details of works remaining
1.1	Slaughter house and Poultry house	Malappuram Municipality	July 2020	Land occupied	Land occupied	Land occupied	NA	NA
1.2	Valiyathodu Cleaning - 8 Km length	Malappuram Municipality	Completed	Cleaned	Cleaned	Cleaned	50%	Cleaned
1.3	Installation of	Malappuram	December	Inspected	Inspected	Inspected	100%	NA

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

[illegible]

No.	Activity	Implementing agency	Time line	Progress in the month of October-2025	Progress in the month of November-2025	Progress in the month of December-2025	% works completed	Details of works remaining
2.1	River water quality Monitoring- Thirurangadi, Hajiyarpally National Water Quality Programme(NWMP)	KSPCB	Ongoing; Monthly frequency			Ongoing; Monthly frequency		
2.2	River water quality Monitoring - Thirurangadi, Kooriyad, Manikut, Hajiyarpally, Anakkayam, Oravambrum - State Water monitoring programme	KSPCB	Ongoing; Seasonal - Pre - monsoon, monsoon, post - monsoon			Ongoing; Monthly frequency		

	(SWMP)							
2.3	Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc. in Malappuram Municipal area	KSPCB	Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months			Ongoing		

3.Ground Water Department

No.	Activity	Implementing agency	Time line	Progress in the month of October 2025	Progress in the month of November-2025	Progress in the month of December-2025	% works completed	Details of works remaining
3.1.	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical	Ground water Department		Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed.	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed.	Groundwater extaction for industrial purpose is restricted in the semi crical blocks.Only limited extaction (upto 2500 LPD) is allowed.	Department accepts applications which needs limited extraction of groundwater only from semi critical blocks. % cannot be mentioned.	

	zones/blocks (Earlier status : As per Groundwater resources of Kerala, 2017 estimate a total number of 3 blocks (Mankada, Vengara and Malappuram) comes under the Kadalundi river basin. Out of three blocks Malappuram and Vengara are semi-critical blocks and the rest is a safe one, stage of groundwater extraction ranges from 69.43 % to 79.84%)							
3.2	Ground water recharging / rain water harvesting	Ground water Department				Malappuram- 1 recharge pit, 10 OW		

	(Earlier status : The average pre - monsoon groundwater level ranges from 7.59mbgl - 13.57 mbgl. Groundwater Department has implemented 3 no of roof top rain water recharging through recharge pit schemes in Vengara block.)					recharge Mankada- 1pit, 4 OW, 1 Pond rennovation. Vengara- 3 pit, 1 OW Kondotty-5 pit, 1 OW Tirurangadi- 2 pit,2 OW Vallikkunnu- 1 pit		
3.3	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps (Earlier status : Groundwater Department has 6 observation dug wells and 14 bore wells in the river stretch. (report attached) (Map No: 7 attached))	Ground water Department		Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.	Water quality analysis from observation wells are carrying out four times in every year.		

3.4	For regulating use of ground water for irrigation purpose, adopting good irrigation practices (Earlier status : The total irrigation draft in the area ranges from 979.683 - 1857.49 ha.m.)	Ground water Department		For irrigation purposes,Pump ing test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pump ing test in their well is done and safe yield is calculated and will inform the applicant.	For irrigation purposes,Pump ing test in their well is done and safe yield is calculated and will inform the applicant.		
-----	---	-------------------------	--	---	---	---	--	--

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 TIRUR, MALAPPURAM

S. No.	Activity to be monitored	Timeline	Submission of progress by state/UT-Compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation		
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured		STP Repairing project DPC approved and sent to TS
2	Timeline for completing all steps of action plans including completion of setting up STPs and their Commissioning		Action plan prepared
5	Chief Secretaries may set up appropriate monitoring mechanism at state level - Specifying accountability of nodal authorities not below the Secretary level - Chief Secretaries may have an accountable person attached in their office for this purpose.		
	Monitoring at State level must take place		
6	Progress report may be furnished by the State/UTs to - Secretary, Ministry of Jal Shakti - Member Secretary, CPCB		Last updated report submitted was on December 31,2025
6.	Progress Report may be comprised of details		(i)Identified 17 drains out of which 9 were additionally

1	along with completion timelines on: I Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment. II <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline III <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status (iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; (vi) Preventing dumping of waste and scientific		identified on 11.07.2019 (ii) Tirur Fish Market STP - 45 KLD- working condition. Inspection was conducted by pollution control board and repairing works has been done as per the suggestions of pollution control board .laboratory analysis has been done and parameters found to be within limits (ii) Tirur municipal Bus StandSTP-50 KLD –Working Condition. Inspection was conducted by pollution control board and STP sample collected and laboratory analysis has been done and parameters found to be within limits. iii)NIL (iv)De centralized treatment facilities, Disposal using sanitary landfills, composting operations, MRF, MCF etc. Slaughter house- completed civil work. Electrical installation works started. (v)Attached as Annexure II-Analysis report during the month of December-2025 BMW are being disposed scientifically through
---	--	--	---

waste management including bio-medical waste, plastic waste and decentralizing waste processing, including waste generated from hotels, Ashrams, etc. (vii)Ground water regulation (viii) Adopting good irrigation practices, (ix) Protection and management of food plain Zones (FPZ), (x) Rain water harvesting, (xi)Maintaining minimum Environmental flow of river (xii) Plantation on both sides of the river (xiii) Setting up biodiversity parks on flood plains by removing encroachment	IMAGE. Municipality have MRF, MCF facilities (vii)NA viii)Complying (ix)NA (x) Complying (xi) Complying (xii) NA (xiii) Reported that encroachment survey is completed and now the process of laying survey stones is in progress.
--	--

ACTION PLAN FOR RIVER TIRUR, KERALA

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

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

	cum Bridge across Thirur-Ponnani Puzha in Mangalam Grama panchayatin Malappuram Dist						18/11/2023. So the work can be continued only after addressing these issues. While preparing the estimate based on the study report from KERI Peechi, the solution for the new issues also has to be finalised. Meeting held on 29-11-2023 at the office of CE I&A in the presence of CE IDRB concluded to conduct a detailed technical study by an expert team. A Technical committee has been formed as per order number GO No . 488/2024/WRD dated 28-06-2024. Technical committee team visited the site on 08-08-
--	---	--	--	--	--	--	--

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

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

1.2.4	Slaughtering House	Tirur Municipality	December 2020	Work ongoing	Work ongoing	Renovation Work ongoing	80%	Work ongoing
1.2.5	Fencing on Bridgeside Thalakkadathur Bridge	Tirur Municipality	December 2020	Completed	Completed	Completed	100%	Completed
1.2.6	Installation of CCTV Camera near the river Bank Thalakkadathur Bridge	Tirur Municipality	May 2020	Ongoing	Tender Stage	Keltron was invited to tender for Rs.5 lakh.Keltron was not ready to take over due to the low amount.Local tender is being invited	NA	Keltron was invited to tender for Rs.5 lakh.Keltron was not ready to take over due to the low amount.Local tender is being invited
1.2.7	Planting of Bamboo seedlings on the river bank (Thazhepalam)	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	100%
1.2.8	Renovation of Effluent treatment plant at fish Market AMC Granted ETP with Aeorobic System	Tirur Municipality Tirur Municipality	June 2019	Completed	Completed	Completed	100%	Completed
1.2.9	Setting up of STP at Private Bus stand	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	Completed
1.2.10	Setting up of a new	Tirur Municipality	June 2020	Completed	Completed	Completed	100%	Completed

[illegible]

No.	Activity	Implementing agency	Time line	Progress in the month of October-2025	Progress in the month of November 2025	Progress in the month of December-2025	% works completed	Details of works remaining
1.4.1	River water quality Monitoring- Thalakkadathur National Water Quality Programme(NWMP)	KSPCB	Ongoing; Monthly frequency			Ongoing; Monthly frequency		
1.4.2	River water quality Monitoring State Water monitoring programme (SWMP)	KSPCB	Ongoing; Seasonal			Ongoing		
1.4.3	Inspection and effluent quality monitoring of the flats, Industrial units, Service stations, hospitals, auditorium, hotels in Municipal area		Ongoing; Interval; Red – 1 month, Orange- 3 months, Green- 6 months			Ongoing		

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

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

ACTION PLAN FOR RIVER KALLAYI , KERALA

Kerala State Pollution Control Board, District Office, Kozhikode

NATIONAL MISSION FOR CLEAN GANGA

Format for submission of monthly progress report by state/UTs

(Hon'ble NGT in the matter of OA.No.673/2018 dated 6/12/2018) For

the month of JANUARY 2026– Kallayi polluted river stretch

Sl.No.	Activity to be monitored	Timeline	Submission of progress by state/UT-compliance status
1	Ensure 100% treatment of sewage at least in-situ remediation		
2	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured.		
3	Timeline for completing all steps of action plans including completion of setting up STP and their commissioning		
4	Chief secretaries may setup appropriate monitoring mechanisms at the state level ● Specifying accountability of nodal authorities not below the secretary level ● Chief secretaries may have an accountable Person attached in their office for this purpose		
	● Monitoring at the state level must take place		

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

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

KOZHIKODE CORPORATION

No.	Activity	Implementing agency	Time line	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
1	Identification of illegal outlets into storm water drain and issue Notice to such units	Kozhikode Corporation	30.12.2020			Continuing random inspections and imposing fine regularly	Continuing random inspections and imposing fine regularly	On going
2	Waste to energy project proposed at Njeliyamparamba	KSIDC	30.06.2021			Project dropped		
3	Establishment of Aerobic compost units	Kozhikode Corporation	Completed and functioning			Completed and functioning	100%	
4	Segregation of solid waste at source-level and treatment of household wastes	Kozhikode Corporation	30.06.2019			Completed	100% Coverage	

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

8	Implementation of 27 MLD STP at Kottoli(Sarovaram)					After receiving Council approval, the project was submitted to the Government for Administrative sanction. The AS was deferred and directed to revise the proposal to increase the number of connections. KWA is revising the proposal. The administrative sanction for constructing a 27MLD STP at Kottoli(Sarovaram) was received on 08.01.2024. Technical sanction is pending with the KWA		27 MLD STP with 220 KLD FSTP as co-treatment with 54 km network
9	Cleaning of Canoli canal	Kozhikode Corporation	Periodical			Periodical cleaning		Continuous - seasonal
10	Purchasing of Solar Boat for Canoli canal cleaning	Kozhikode Corporation	31.03.2020			Project dropped		Project dropped

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

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

Perumanna Grama Panchayath

No .	Activity	Implementing agency	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
1	Outlets into storm Water drain and issue notice	Perumanna Panchayat, kozhikode			Inspection conducting regularly	Continuous	
2	Establishment of six aerobic compost units in panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			Work completed(100% coverage)	100% coverage	Completed
3	Collection and segregation of solid waste in the river	Perumanna Panchayat			Work completed	Completed	
4	Setting up of 360 soak pit plant in all houses near the river area and panchayat	Perumanna Panchayat through MGNREGS			Progressing 80% completed	80% completed	Progressing
5	Implementation of 360 compost unit near river side and panchayat	Perumanna Panchayat , Kozhikode through MGNREGS			80% completed Progressing	80% completed	Progressing
6	Implementation of water flow project (Aluvangal Thazham Perumbatta Elamanapadam, Valiyapadam. Mampuzhthode	Perumanna Panchayat			Technical sanction obtained. Tender procedure completed.		

	Naveekarana, project no 260/2021 project cost 16.67 Lakhs).						
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 plastic Waste 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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	%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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	%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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% Works Completed	Details Of Remaining
1	Collection of plastic waste from the river	Olavanna Gramapanchayat	Continuou s process			Completed	Completed	
2	Collection of segregation of solid waste in the river	Olavanna Gramapanchayat	Continuou s process			Completed	Completed	
3	Cleaning of Mambuzha river	Olavanna Gramapanchayat	Continuou s process			Completed	Completed	Completed
4	Well recharge	Olavanna Gramapanchayat through MGNREGS	4/2023 To 3/2024			Completed	100%	
5	Setting up of soak pit in houses	Olavanna Gramapanchayat through MGNREGS	4/2022 To 3/2024			Completed	100%	
6	Action taken against dumping of waste in to river	Olavanna Gramapanchayat	Continuou s process			Process continuing	100%	Completed
7	Collection of non-biodegradable waste	Harith karma sena	Throughout the year			Process continuing	Process continuing	Continuous

IRRIGATION DEPARTMENT

N o	Activity	Implementing Agency	Timeline	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% 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 17 %			17%	
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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
1	River water quality monitoring-Kallayi river National Water Quality Monitoring Programme (NWMP)	KSPCB	Ongoing ; monthly frequency			Process continuing		
2	River water quality monitoring-Kallayi rivers State Water Monitoring Programme,KSPCB fund(SWMP)	KSPCB	Ongoing. Seasonal monitoring- pre-monsoon , monsoon , post-monsoon			Process continuing		
3	Inspection and effluent quality monitoring of the flats,industrial units,service stations, hospitals, Hotels etc. In Malappuram Municipal area	KSPCB	Ongoing Interval: Red- 1 month. Orange-3months. Green-6months.			Process continuing		

Suchitwa Mission

No. (as per Action Plan)	Activity	Implementing agency	Timeline	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% 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 NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% works completed	Details of works remaining
B(i)	Ground Water resources and regulation of ground water extraction by industries particularly in over exploited as critical zones / blocks	Ground Water Department			As per Ground water resources of Kerala,2017 estimate, Kozhikode Block comes under the Kallai river basin and the block is safe with stage of ground water Extraction 68.49%		
B(ii)	Ground water recharging/ rain water harvesting	Ground Water Department			The average pre - monsoon ground water level is 7.23 mbgl. Ground water Department has implemented 3 no of dug well recharge schemes at Kozhikode block		
B(iii)	Periodic ground waste quality assessment and remedial actions in case of contaminated ground water tube wells/ bore wells or hand pumps	Ground Water Department			Ground water Department has 1 observation Piezometer (BW) in the river stretch.)		
B(iv)	For regulating use of ground water for irrigation purpose, adopting good irrigation practices	Ground Water Department			The total irrigation draft in the Block area is 488.76 ha.m.)		

Action plan by irrigation Department

No. (as per Action Plan)	Activity	Implementing agency	Time line	Progress in the month of NOVEMBER 2025	Progress in the month of DECEMBER 2025	Progress in the month of JANUARY 2026	% 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 17 %	17%	
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

☎0471-2303844

e.mail: kspcbdotvpm@gmail.comWebsite: kspcb.kerala.gov.in**KERALA STATE POLLUTION CONTROL BOARD**

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

DISTRICT OFFICE, THIRUVANANTHAPURAM
ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O., THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004

**ANALYSIS REPORT**

No: 202880

16/01/2026

Source		Medical College Hospital, Thiruvananthapuram.		
Sample Received From		NAMP Operator	Date of sample collection	06/01/2026
Date of Receipt		06/01/2026	Sample ID	E1
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	3.0	6.5 – 8.5
2	Total Suspended Solids	mg/L	8.0	10
3	BOD (3 days @ 27°C)	mg/L	0.9	3
4	Oil & Grease	mg/L	0.7	1
5	Bio-assay Test	-	100% fish died within 1 hour.	90% survival of fish after 96 hours in 100% effluent prior to disinfection.
6	COD	mg/L	40	-
7	Total Coliform	cfu/100ml	Nil	-
8	Fecal Coliform	cfu/100ml	Nil	-

Verified by


AISWARYA RAJ V.R.
 Assistant Scientist
 Scientist-in-Charge of Analysis


HIMA S.H.
 Assistant Environmental Scientist

KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

DISTRICT OFFICE, THIRUVANANTHAPURAM
ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

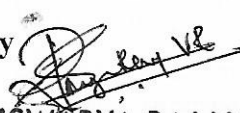
T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O, THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004

**ANALYSIS REPORT**

No: 202882

16/01/2026

Source		STP Muttathara, Thiruvananthapuram		
Sample Received From	NAMP Operator	Date of sample collection	06/01/2026	
Date of Receipt	06/01/2026	Sample ID	E3	
Sl. No.	Parameter	Unit	Value	Permissible Limit
1	pH	-	6.9	6.5 - 9.0
2	Total Suspended Solids	mg/L	18.0	< 50
3	BOD (3 days @ 27°C)	mg/L	8.3	20
4	COD	mg/L	20	-
5	Oil & Grease	mg/L	BDL	-
6	Fecal Coliform	MPN/100ml	7000	<1000
Remarks: BDL-Below Detection Level Verified by  AISWARYA RAJ V.R. Assistant Scientist Scientist-in-Charge of Analysis				
 HIMA S.H. Assistant Environmental Scientist				

☎ 0471-2303844

e.mail: kspcbdotvpm@gmail.comWebsite: kspcb.kerala.gov.in**KERALA STATE POLLUTION CONTROL BOARD**

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

DISTRICT OFFICE, THIRUVANANTHAPURAM
ജില്ലാ ഓഫീസ്, തിരുവനന്തപുരം

T. C. 12/96 (4,5), PLAMOODU JN., PATTOM P.O, THIRUVANANTHAPURAM – 695 004

ടി.സി. 12/96 (4,5), പ്ലാമൂട് ജംഗ്ഷൻ, പട്ടം പി.ഒ, തിരുവനന്തപുരം - 695 004

**ANALYSIS REPORT**

No: 202881

16/01/2026

Source		CETP KINFRA		
Sample Received From		NAMP Operator	Date of sample collection	06/01/2026
Date of Receipt		06/01/2026	Sample ID	E2
Sl. No	Parameter	Unit	Value	Permissible Limit
				On land for irrigation
1	pH	-	7.2	6.0-9.0
2	Total Suspended Solids	mg/L	6.0	100
3	Total Dissolved Solids	mg/L	751	2100
4	BOD (3 days @ 27° C)	mg/L	3.0	100
5	COD	mg/L	44	250
6	Oil & Grease	mg/L	0.3	10
7	Ammoniacal Nitrogen	mg/L	9.7	NS
8	Nitrate Nitrogen	mg/L	10.4	NS
9	Total Kjeldahal Nitrogen	mg/L	25.6	NS
10	Phosphates	mg/L	0.0137	NS
11	Chlorides	mg/L	400	1000
12	Sulphates	mg/L	8.5	1000
13	Fluoride	mg/L	BDL	2
14	Total Residual Chlorine	mg/L	1	1
15	Phenolic Compounds	mg/L	BDL	1
16	Sulphides	mg/L	BDL	2
17	Cyanide	mg/L	BDL	NS

Remarks: BDL-Below Detection Level , NS -Not Specified

Verified by

AISWARYA RAJ V.R.

Assistant Scientist

Scientist-in-Charge of Analysis

HIMA S.H.

Assistant Environmental Scientist



KERALA STATE POLLUTION CONTROL BOARD
കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്



ANALYSIS REPORT (WATER / EFFLUENT / SOLID WATER)		Date : 03.02.2026	
Source	TALUK HOSPITAL ADIMALI	Sample received from	AE4
Date of sample Collection	29.01.2026		
Ref. No.		Period of analysis	
Date of Receipt	29.01.2026		
Scientist-in-charge of analysis		ASSISTANT SCIENTIST	

Sl. No.	Parameter	Unit	Value				
			Sample No.				
			AR				
1.	pH		7.2				
2.	BOD	mg/l	12.6				
3.	SS	mg/l	17.1				
4.	COD	mg/l	36				
5.	Oil &Grease	mg/l	BDL				
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
Details of Samples: AR – SAMPLE COLLECTED FROM STP							
Remarks :							

SAJAN B NAIR
ASSISTANT SCIENTIST

**KERALA STATE POLLUTION CONTROL BOARD**

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

REGIONAL OFFICE, KOZHIKODE

Phone: 2366744 (CEE)

kspcb.kerala.gov.in

3rd FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002**ANALYSIS REPORT OF WASTEWATER**

Report No.	K R O S 5 9 2 7 / 1 - 4	Date:	2 8 0 1 2 0 2 6
Date of Sample Collection	1 2 0 1 2 0 2 6	Date of receipt of the sample	1 6 0 1 2 0 2 6
Time	Hours: NOT GIVEN	Time	Hours: 1 1 : AM
Sampled by:	AE-2,DO,KKD	Sample ID	PCB 103,PCB 212,PCB 216,PCB 72
Sampling Method	NOT GIVEN	Sample Lab Code	KROS 5927/1-4
Sample container	PC-2.5L	Ref.letter No.	PCB/KKD/DO/GOVT.MEDICAL COLLEGE Dated:16.01.2026
Source:	GOVT. MEDICAL COLLEGE, KOZHIKODE	Received from:	EE/DO/KKD
		Period of analysis:	16.01.2026-27.01.2026
Specific sampling location:	PCB 103 -2MLD NEW PLANT PCB 212 - 2MLD OLD PLANT PCB 216 -500 KLD PLANT PCB 72 -1MLD NEW PLANT	No. of samples:	4
		Analysed by:	NSS/PVH/SNS/AJ
Sample preservation:	ICE	Method:Standard Methods for the examination of Water and Wastewater, APHA AWWA WEF (22 nd Ed.)	

Sl no	Parameters	Unit	LDL	Method No.	Sample ID				DESIRABLE LIMIT
					PCB 103	PCB 212	PCB 216	PCB 72	
1	pH	-	2	APHA 4500-H ⁺ B	8	8	10	7.5	6.5-8.5
2	TOTAL SUSPENDED SOLIDS (Dried at 103-105°C)	mg/L	4	APHA 2540D	71.2	BDL	BDL	BDL	20
3	BOD	mg/L	0.5	IS3025 (Part 44)	30.67	29.87	4.07	70.27	10
4	COD	mg/L	5	APHA 5220B	280	104	40	168	50
5	OIL & GREASE	mg/L	4.7	APHA 5520 B	BDL	BDL	BDL	BDL	10
6	AMMONIACAL-N	mg/L	0.02	APHA 4500 NH ₃ F	109.756	53.31	8.598	88.502	-
7	NITRATE- N	mg/L	0.09	APHA 4500N O ₃ B	1.035	2.93	1.439	0.702	-
8	TOTAL RESIDUAL CHLORINE	mg/L	0.2	APHA 4500 Cl ⁻ B	NIL	NIL	NIL	NIL	-

PCB 103 : 2 MLD NEW PLANT

PCB 212 : 2MLD OLD PLANT

PCB 216 : 500 KLD PLANT

PCB 72 : 1MLD NEW PLANT

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

[Signature]
24/1/26
Scientist in charge

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018
(In compliance to NGT order dated 24.09.2020)

Status of Wastewater Treatment Plants Under AMRUT in Kerala (as on 31.01.2026)

Details of Completed ETPs / STPs / FSTPs in the State

No.	City / Town	Location	Status	Installed Capacity	Utilization Capacity	Process
1	Thiruvananthapuram	Medical College STP (AMRUT-1.0)	Completed & operational	5 MLD	3 MLD	MBBR
2	Kochi	Elamkulam STP (AMRUT-1.0)	Completed & operational	5 MLD	4 MLD	MBBR
3	Kannur	Padannapalam STP (AMRUT-1.0)	Completed & operational	1 MLD	0.8 MLD	RMBR
4	Alappuzha	General Hospital STP (AMRUT-1.0)	Completed & operational	0.24 MLD	0.16 MLD	Electro-coagulation
5	Kozhikode	Medical College STP (AMRUT-1.0)	Completed & operational	2 MLD	1.3 MLD	Electro-coagulation
6	Kozhikode	Medical College STP (AMRUT-1.0)	Completed & operational	1 MLD	0.5 MLD	Electro-coagulation
7	Thrissur	General Hospital STP (AMRUT-1.0)	Completed & operational	0.36 MLD	0.2 MLD	MBBR
8 & 9	Alappuzha	Mobile Septage Treatment Units – 2 nos., (AMRUT-1.0)	Completed & operational	0.02 MLD (0.01 x 2 nos.)	0.02 MLD	Solid & liquid separation + Ultra Filtration

Details of Under Construction ETPs / STPs / FSTPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I & D or House Sewer Connections / Previous Status (Up to 31.12.2025)	Incremental Progress (Up to 31.01.2026)	Timeline
1	STP at Kureepuzha, Kollam Corporation (AMRUT-1.0)	12	94%	STP (AMRUT-1.0): Physical progress - 93%. Admin building works in progress. Due to the delay in completion of the sewer network (nearly 2 more years required) and commissioning of the STP, the contractor requested to descope the balance works (supply and installation of rotary drum drier and MBBR media at the time of commissioning of the STP, and reduction in the size of the admin building) and to modify the O&M arrangement. The SLTC held on 08/10/25 and the SHPSC held on 27/10/25 approved the descoping of works and the modifications in O&M. In this regard, the Govt. Order dated 10/11/25 has been issued. Sewer Network & Connections (AMRUT-2.0): In order to speed up the commissioning of the Kureepuzha STP, the SLTC held	STP (AMRUT-1.0): Physical progress - 94%. Finishing work of the admin building in progress. Sewer Network & Connections (AMRUT-2.0): <i>Vacuum Sewer Network:</i> The DPR agency engaged by the ULB is preparing the DPR. <i>Iron Bridge Sewer Network:</i> TS to be revised by KWA as per the DSR-2021 and the work is to be tendered.	STP: Expected to be completed by 28.02.2026. Sewer Network: <i>Vacuum Sewer Network - DPR</i> is expected to be submitted by 28.02.2026. <i>Iron Bridge Sewer Network</i> - expected to be tendered by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I & D or House Sewer Connections / Previous Status (Up to 31.12.2025)	Incremental Progress (Up to 31.01.2026)	Timeline
				on 08/10/25 and the SHPSC held on 27/10/25 decided to cancel Pallithottam-Thamarakkulam (conditional assessment work of the existing sewer network was progressing very slowly), Vaddy-Karumalil (AS revision is required for adopting the DSR-2021) and Asramom (AS revision is required for adopting the DSR-2021) sewer network packages, and to implement the sewer network using vacuum sewer technology in Kureepuzha West, Vallikeezhu and adjoining divisions of Kollam Corporation along with the Iron Bridge sewer network package. The DPR of the vacuum sewer network is to be given to KWA by the ULB. The TS of the Iron Bridge sewer network package is to be revised by KWA as per DSR-2021.		
2	Decentralized Sewerage System (STP at Ambedkar Colony), Div-16, Edakochi South, Kochi Corporation (AMRUT-1.0)	1.1	77%	Physical progress-75%. Work is hindered due to rain.	Physical progress-77%. Work in progress.	Expected to be completed by 31.03.2026.
3	STP for RAY Flats, Fort Kochi, Kochi Corporation (AMRUT-2.0)	0.105	77%	Physical progress-60%. Work in progress.	Physical progress-77%. Work in progress.	Expected to be completed by 31.03.2026.
4	FSTP at Yakkara, Palakkad Municipality (AMRUT-1.0)	0.1	Physically completed	FSTP has been physically completed and the inauguration was held on 27/10/25. The electrical connection work is to be completed. Additional works like approach road, installation of OCEMS and installation of solar panels approved by the SHPSC held on 27/10/25 are to be completed.	Additional works like approach road, OCEMS, solar panels etc. are in progress.	Expected to be made operational by 28.02.2026.
5	FSTP at Chelora, Kannur Corporation (AMRUT-1.0)	0.1	99%	Physical progress-99%. Work in progress.	Physical progress-99%. Electrical connection to be completed and trial run to be done.	Expected to be completed by 28.02.2026.
6 & 7	Mobile Septage Treatment Units – 2 nos., Kollam Corporation (AMRUT-1.0)	0.02 (0.01x2 nos.)	45%	Approval for procurement was issued via Govt. Order dated 10/11/25 as per the decision taken by the SHPSC held on 27/10/25. One unit delivered. Tender to be floated by the ULB in the GeM portal for the 2 nd unit.	Tender to be floated by the ULB in the GeM portal for the 2 nd unit.	Tender is expected to be floated for the 2 nd unit by 28.02.2026.

Details of Proposed ETPs/ STPs/ ESTPs in the State

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
1	STP at Rajaji Nagar, Thiruvananthapuram Corporation (AMRUT-1.0)	0.5	To be Started: STP: Eco Paradigm executed the agreement on 27/05/25. They informed that they can reduce the BoD to < 20mg/L only whereas as per the KSPCB standards BoD of < 10mg/L has to be achieved. The TS Committee held on 07/08/25 decided to submit a request to the KSPCB for consent regarding the effluent quality proposed by the STP contractor along with test result of water samples from the Amayizhanjanthodu in which the effluent from the STP is proposed to be disposed. The ULB gave the request for consent to the KSPCB on 17/09/25 and the KSPCB informed that the effluent standards as per the prevailing KSPCB orders will have to be followed. Due to this the contractor is reluctant to start the STP works. The ULB held discussions with the KSPCB and Eco Paradigm, but a consensus has not been arrived at regarding the quality of effluent from the proposed STP. Due to this the contractor is reluctant to start the STP works. Way forward is to be decided by the ULB regarding the STP construction. The contractor has requested for price escalation (29%). The ULB is likely to reject the same and retender the work. Way forward is to be decided by the ULB. Temporary Shed: Eight families to be shifted from one of the proposed STP locations for starting the works. Quotations were called for (last date – 25/06/25) by the ULB for construction of temporary sheds, but no offers were received. Hence, the estimate was revised and tenders were floated by the ULB, but only 1 bid was received in the 1st tender (opening date – 23/07/25) and no bids were received in the 2nd (opening date – 26/08/25) and the 3rd (opening date – 09/09/25) tenders. In the 4th tender floated by the ULB with 23/09/25 as the opening date, 2 offers were received. The agreement was executed on 09/10/25. Work has not been started since the STP construction has not been confirmed. Sewer Network: The preliminary report was submitted on 23/04/25 by the DPR agency (Urban Grey Water Solutions) and the draft report was submitted on 05/05/25. A joint site inspection was conducted on 17/05/25 by the officials of the ULB, Eco Paradigm & Urban Grey Water Solutions for finalizing the STP locations and 2 locations were finalized. The Urban Grey Water Solutions submitted the	To be Started: STP: The contractor's request for price escalation (29%) is likely to be rejected by the ULB and the work is likely to be retendered. The way forward is to be decided by the new Council. Temporary Shed: The work has not been started since the STP construction has not been confirmed. Sewer Network: Expected to be tendered along with the STP.	STP: Expected to be tendered again by 28.02.2026. Sewer Network: Expected to be tendered by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			modified report based on the finalized locations on 13/06/25 and the estimate on 20/06/25. The ULB submitted the details to the CE, LSGD on 25/07/25 for placing in the TS Committee. The TS committee held on 07/08/25 decided to take a decision on issuance of TS after the confirmation regarding STP construction is obtained.		
2	ETP at KSRTC Depot, Thampanoor, Thiruvananthapuram (AMRUT-2.0)	0.02	TS to be issued: The SHPSC held on 07 & 20/02/25 approved the issuance of AS and the G.O dated 22/03/25 was issued. TS to be issued. The KSRTC requested (letter dated 21/04/25) Suchitwa Mission to issue TS. The Suchitwa Mission requested (letter dated 27/05/25) KSRTC to provide the DPR to them for issuing TS. The KSRTC submitted the DPR to Suchitwa Mission on 21/06/25. In the meeting held by the Suchitwa Mission on 31/07/25 the DPR & estimate submitted by the KSRTC was scrutinized and the KSRTC was directed to modify the DPR if required after checking the characteristics of the wastewater. As per the wastewater test results obtained, the KSRTC decided that no change is necessary in the DPR and forwarded the DPR to Suchitwa Mission on 12/09/25. The Suchitwa Mission's TS Committee held on 07/10/25 scrutinized the project and directed KSRTC to get the DPR prepared through an external agency. The KSRTC got the wastewater generated from their Thampanoor Depot tested, and has requested the KSPCB (letter dated 20/11/25) to confirm the necessity of constructing the ETP as the parameters are within the KSPCB limits as per the test report. The KSPCB informed KSRTC that the ETP is necessary as the Bus Depot is an orange category industry.	TS to be issued: An external agency to be engaged by the KSRTC for the preparation of the DPR.	DPR preparation is expected to be completed by 31.03.2026.
3	FSTP at Kureepuzha, Kollam Corporation (AMRUT-2.0)	0.05	To be retendered: The bid received for the FSTP work has a tender excess of 48%. Hence, KWA submitted a request (dated 06/01/25) to the Govt. for approval of tender excess (48%) and the decision is awaited. The bid was withdrawn by the bidder as the bid validity expired on 28/05/25. The proposal submitted by the ULB to transfer the work to AMRUT-2.0 was placed in the SLTC/SHPSC. The SLTC held on 08/10/25 and the SHPSC held on 27/10/25 decided to implement the FSTP under AMRUT-2.0 (transfer from AMRUT-1.0). FSTP to be retendered by KWA.	To be retendered: FSTP is to be tendered by KWA after revising the TS as per the DSR-2021.	Expected to be tendered by 28.02.2026.
4	STP with septage co-treatment at Alissery, Alappuzha Municipality	5	TS to be issued: The SHPSC held on 07 & 20/02/25 approved the issuance of AS and G.O dated 22/03/25 was issued. The TS was issued on 04/11/25,	Tendered: The bids are under scrutiny.	Expected to be awarded by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
	(AMRUT-2.0)		and the tender was floated by KWA on 05/11/25 with the opening on 10/12/25. The tender opening date was extended till 19/12/25 but only 1 bid was received. Hence again extended till 31/12/25, 3 bids were received.		
5	Decentralized Wastewater Treatment for Bhajanamadom settlement in Kidangamparambu Ward, Alappuzha Municipality (AMRUT-2.0)	0.012	AS to be issued: The MoHUA's approval was received on 01/10/24. The DPR to be submitted by the ULB for placing in the SLTC/ SHPSC for approval of AS. The ULB will engage a DPR preparation agency only after the proposed land for the STP is relinquished by the Bhajanamadom Church. The church authorities are not willing to relinquish the land but they are willing to give NoC to the ULB for implementing the project. The matter is to be resolved. The ULB has informed the Bhajanamadom Church authorities that the project will have to be cancelled if the land for the STP is not relinquished to the ULB. In the meeting held on 16/10/25, the Bhajanamadom Church authorities didn't agree to relinquish the land for the STP. Way forward is to be decided by the ULB. The Division Councilor has given a letter to the ULB's Chairperson for cancelling the work. The matter is to be placed in the new Council for approval for cancellation.	AS to be issued: The decision on cancellation of the work is to be taken by the new Council.	Expected to be cancelled by 28.02.2026.
6	FSTP at Brahmapuram, Kochi Corporation (AMRUT-2.0)	1	To be Started: The ULB engaged the IRTC to execute the work in the DBOT mode. The SHPSC held on 07 & 20/02/25 approved the issuance of AS and G.O dated 22/03/25 was issued. The vetted design was obtained from CUSAT. The details were forwarded to the CE, LSGD on 27/07/25 for placing in the Technical Committee for approval of TS. The TS Committee held on 18/08/25 scrutinized the project and later issued the TS. The agreement was executed on 29/10/25 and the site is to be handed over to the contractor.	To be Started: The site is to be handed over to the contractor for starting the work.	Expected to be started by 28.02.2026.
7	STP with septage co-treatment at Elamkulam, Kochi Corporation (AMRUT-2.0)	5	Tendered: The 5 th SHPSC held on 02/03/23 approved the issuance of AS and G.O dated 25/03/23 was issued. KWA split the work into 5 sub works and issued TS. Later the KWA decided to combine the proposals under AMRUT-2.0 & KMRL. In the meeting held by the Hon'ble Minister of LSGs on 24/07/24 the KWA was directed to go ahead with the proposal under AMRUT-2.0 instead of the combined proposal involving KMRL. STP: TS was issued by KWA for the STP package and tender was floated by KWA for the STP package on 02/12/24 with 01/01/25 as the due date. Three bids received. L1 is 9.26%	Tendered: STP: There is no response from the bidder regarding agreement execution. Hence, the work is to be tendered again by KWA after revising the TS as per DSR-2021. Sewer Network: The bids received for the 27.74 km package are under scrutiny. The TS for the 12.5 km	STP: Expected to be tendered again by 31.01.2026. Sewer Network: The 27.74 km package is expected to be

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			above. LoA was issued to L1 bidder but they have given a case against the additional performance guarantee demanded by the KWA. As per the interim Court order dated 01/07/25, the agreement is to be executed without the additional performance guarantee. The contractor is waiting for the final decision of the Court and the agreement execution is delayed due to this. As per the final order received from the Court on 23/09/25, the order dated 01/07/25 has to be complied. KWA asked the L1 bidder to execute the agreement by 01/11/25 but so far there is no response from the bidder. Hence, the work is likely to be tendered again by KWA after revising the TS as per DSR-2021. Sewer Network: The TS was issued by KWA on 29/09/25 for the 27.74 km. The tender was floated by KWA for the 27.74 km package with 25/11/25 as the opening date but it was extended till 18/12/25 for increasing the participation in the tender. Only 1 bid was received. Hence again extended till 31/12/25, 4 bids were received. TS is to be issued by KWA for the 12.5 km package.	package was issued on 21/01/26 and the work is to be tendered.	awarded by 28.02.2026 and the 12.5 km package is expected to be tendered by 28.02.2026.
8	FSTP at Ramavarmapuram, Thrissur Corporation (AMRUT-2.0)	0.1	To be retendered: Agreement dated 04/01/24 was executed. The bridge work (for access to the site) was started on 18/06/24. The bridge work was stopped on 04/07/24 due to public protest. FSTP works could not be started due to public protest. The Joint Director, Thrissur, held a meeting with the public at the site on 28/10/24 but the issue could not be solved. In the meeting held by the District Collector on 30/01/25 involving the representatives of all political parties it was decided to shift the project to the land given to IMA in Ramavarmapuram. A meeting involving ministers in the Thrissur District is to be convened to finalize the land. The request given by the ULB (dated 12/09/25) to transfer the project to AMRUT-2.0 was placed in the SLTC/ SHPSC for approval. The SHPSC held on 27/10/25 decided to implement the FSTP under AMRUT-2.0 (transfer from AMRUT-1.0). Land for the FSTP is to be confirmed by the ULB.	To be retendered: In the meeting held by the Hon'ble Mayor on 14/01/26, it was decided to construct the FSTP on the land suggested by the District Collector (IMA's land, Ramavarmapuram). A meeting with the District Collector is expected to be held soon to finalize the land.	Expected to be tendered by 28.02.2026.
9	Decentralized Sewerage Scheme (STP at Kokkala), Thrissur Corporation (AMRUT-2.0)	5	TS to be issued: Kokkala 2.5 MLD Project: As per the Govt. Order (No. 78/ 2025/ AGRI) dated 08/07/25 the Agriculture Dept. issued clearance for the construction of the STP proposed at Kokkala. Kottappuram 5 MLD Project: Due to public protest, the ULB decided to combine the Kottappuram and Kokkala sewerage projects by constructing a common STP at Kokkala.	To be tendered: The ULB has submitted the draft DBOT tender/EoI document to the CE, LSGD on 23/01/26 for vetting.	Expected to be tendered by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			Combined Project: The request of the ULB to issue AS for the combined Kokkala and Kottappuram sewerage project namely. '5 MLD Decentralized Sewerage Scheme', is to was placed in the SLTC/SHPSC for approval. As directed by the SLTC held on 08/10/25, a basic report on the combined project, '5 MLD Decentralized Sewerage Scheme', was submitted by the ULB. The same was placed in the SHPSC held on 27/10/25 and the committee approved the issuance of AS for the combined project. AS was issued via Govt. Order dated 10/11/25 for the combined project. The ULB has decided to execute the project in the DBOT mode. The draft DBOT tender/ EoI document is to be submitted by the ULB to the CE, LSGD for vetting as per the decision taken by the 11 th SHPSC.		
10	Augmentation of existing 3 MLD STP at Chakkamkandam to 5 MLD, Guruvayur Municipality (AMRUT-2.0)	2	AS to be issued: The MoHUA's approval was received on 01/10/24. The DPR is to be submitted by KWA for placing in the SLTC/ SHPSC for approval of AS. There is delay in the finalization of the DPR by KWA as the ULB wants to remove the sewer network and cotreatment components from the DPR. In the meeting held by the Principal Secretary, LSGD, on 09/10/25, the ULB's Secretary was directed to take necessary action to take up the works as per the DPR initially submitted (includes sewer network and cotreatment components) by the KWA. The approval of the Council is to be obtained for the DPR.	AS to be issued: The latest DPR prepared by KWA is expected to be placed in the Council scheduled for 03/02/26 for approval.	DPR is expected to be finalized by 28.02.2026.
11	STP for Municipal Buildings, Palakkad Municipality (AMRUT-2.0)	0.030	AS to be issued: The MoHUA's approval was received on 01/10/24. The Council held on 17/12/24 gave approval to call for Expression of Interests (EoI) for executing the project in the DBOT mode. The EoI was called for by the ULB on 01/03/25 and with 12/03/25 as the due date. Three bids received and are under scrutiny. LoA issued to L1 (Auxira, Kozhikode) on 29/04/25. The agreement is to be executed. The DPR is to be submitted by the contractor to the ULB for placing in the SLTC/ SHPSC for approval of AS. Since the L1 bidder has not executed the agreement, the ULB informed them that if the agreement is not executed within the 1 st week of Jul-2025, the ULB will issue LoA to the L2. A team comprising of ULB, KSPCB, NSS Engg. College, Suchitwa Mission & AMRUT officials inspected the STP constructed by the L2 bidder (Qubits) at Hayath Hospital & Akshaya Hotel in Thrissur on 14/07/25. The report submitted by the team was placed in the	AS to be issued: The DPR is to be submitted by the DBOT contractor.	DPR is expected to be submitted by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			ULB's Core Committee held on 23/07/25 and it was decided to take approval of the Council for issuing LoA to the L2. The Special Council held on 02/08/25 approved the issuance of LoA to L2 and the LoA was issued on 21/08/25. The DPR preparation is ongoing.		
12	STP with septage co-treatment at Sarovaram (AMRUT-2.0)	27	Tendered: The 7 th SHPSC held on 14/12/23 approved the issuance of AS and G.O dated 08/01/24 was issued. KWA issued combined TS for the STP and the sewer network packages. Tendering was kept on hold by the KWA as it was found in the CRZ mapping done by IRS, Chennai, that a portion of the proposed site for the STP (nearly 20 cents out of 2.6 Acres) falls under the CRZ-1 category. KWA sought clarity from ULB regarding the possibility of getting CRZ clearance as the reduction in the area available will lead to reduction in the STP capacity and reworking of the estimate. In the meeting held by the Hon'ble Mayor on 06/01/25, the KWA was directed to go ahead with the project without reducing the STP capacity under the assumption that the permission will be obtained from the KCZMA as per the prevailing CRZ rules (as per the latest rules, public utilities are allowed in CRZ-1). KWA tendered the work with 14/02/25 as the opening date. The due date was extended up to 25/02/25 and again up to 06/03/25 as per the request of the prospective bidders. Two bids received but both did not qualify. KWA retendered the work on 03/04/25 with 02/05/25 as the tender opening date. Six bids received and the prequalification process is in progress in KWA. Tender scrutiny has been completed by KWA and 5 bid were disqualified. The financial bid that was opened is 19.4% above and was negotiated to 11.8% above (less than 10% as per the DSR-2021). Work can be awarded only as per the final judgement of the Hon. High Court in the case (WPC No. 30042/2025) filed by one of the disqualified bidders. Since funds are not available with the ULB or under AMRUT-2.0 to meet the tender excess amount, the ULB's Council held on 16/09/25 decided to execute the project in the DBOT mode. The ULB's proposal to execute the project in DBOT mode on their own instead of KWA was placed in the SLTC/SHPSC. The SLTC held on 08/10/25 and the SHPSC held on 27/10/25 decided that the proposal can't be considered as there is a live tender and there is a court case related to the tender. The committee directed KWA to	Tendered: The Secretary, Kozhikode Corporation, informed (letter dated 30/01/26) that the Council held on 28/01/26 has decided to cancel 2 water body rejuvenation works (both not started) and to use the funds available (₹1.30 Cr.) to meet a portion of the ULB's share of the tender excess. The Secretary has also requested that the balance ULB share of the tender excess (₹11.455 Cr.) be met from other Govt. schemes, and that permission be granted to KWA to execute the agreement. The matter is to be placed in the SLTC/SHPSC for taking an appropriate decision.	Expected to be awarded by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			take a decision regarding the tender and the ULB's Secretary to check the possibility of using any other funds available to the ULB for meeting the tender excess. The matter is to be placed in the new Council.		
13	Sewerage System for Zone-A (STP at West Hill Industrial Estate), Kozhikode Corporation (AMRUT-2.0)	15	To be started: Due to public protest and the ongoing court cases (there is a stay by the Munsiff Court regarding the Avikkalthodu STP work) the ULB decided to combine the Kothi & Avikkalthodu sewerage projects with a common STP at the West Hill Industrial Estate. The MoHUA's approval was received on 01/10/24. An EoI for executing the work in DBOT mode was floated by the ULB on 30/10/24 with 20/11/24 as the last date of bid submission. The due date of EoI was extended till 10/12/24 as per the request of the prospective bidders. Two offers received. The Council held on 21/12/24 approved the formation of a technical committee for scrutiny of bids. The SIDCO objected the construction of the STP in the West Hill Industrial Estate. In this regard, the ULB submitted a request to the Govt. (letter dated 20/12/24) for permission to construct the STP at the location and the decision is awaited. Although the SIDCO objected the construction of the STP in the West Hill Industrial Estate, the ULB is going ahead with the project and has issued LoA on 18/02/25 to KCCL & AIPPL - JV. The agreement was executed on 21/05/25. The DPR submitted by the contractor was placed in the SLTC/ SHPSC for approval of AS. The SLTC held on 08/10/25 and the SHPSC held on 27/10/25 accorded sanction for the issuance of AS (STP & Sewer Network). STP: Technical approval and KCZMA's consent are to be obtained for starting the work. The project details are to be submitted by the ULB to the CE, LSGD for placement in the Technical Committee for technical approval. Consent to Establish dated 28/11/25 has been issued by the KSPCB. The ULB has submitted the application to KCZMA on 16/12/25 for the CRZ clearance. The Kerala SIDCO Ltd. has objected the construction of the STP in the West Hill Industrial Estate. The work can be started after obtaining the CRZ clearance and technical approval, and after the resolution of the issue with SIDCO. Sewer Network: The agreement with Nasit Infrastructure Pvt. Ltd is to be renewed by the ULB. The contractor has completed the survey works and the design is to be	To be started: STP: The work can be started after obtaining the CRZ clearance from KCZMA and technical approval from the technical committee, and after the resolution of the issue with SIDCO. Sewer Network: The contractor (Nasit Infrastructure) has completed the survey works for the sewer network package-1 and the design is to be submitted. Tender to be floated by the ULB for the sewer network package-2.	STP: Expected to be started by 28.02.2026. Sewer Network: Expected to be started by 28.02.2026.

No.	Location	Capacity of the plant in MLD	Status of Project (up to 31.12.2025)	Incremental Progress (up to 31.01.2026)	Timeline
			submitted.		
14	STP with septage co-treatment at Marakkarkandy (Maithanapalli), Kannur Corporation (AMRUT-2.0)	5	To be retendered: The SHPSC held on 07 & 20/02/25 approved the issuance of AS and G.O dated 22/03/25 was issued. The Council held on 28/04/25 decided that the project will be implemented by the ULB in the DBOT mode instead of KWA. The ULB called for EoI on 31/07/25 for executing the project in DBOT mode with 31/08/25 as the date of opening. Two bids were received and the LoA was issued to KCCL & AIPPL - JV. The request of the ULB to execute the project in the DBOT mode on their own instead of KWA was placed in the SLTC/ SHPSC for approval. As directed by the SLTC held on 08/10/25, the CE, LSGD submitted a report regarding the tender process followed by the ULB. The same was placed in the SHPSC held on 27/10/25 and the committee decided that the ULB shall execute the project through KWA since the tender process followed by the ULB for executing the project in the DBOT mode is flawed and hence the tender shall be cancelled. Action in this regard is to be taken by the ULB.	To be retendered: The decision on handing over the work back to KWA and on retendering are to be taken by the new Council.	Expected to be tendered again by 28.02.2026.

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ AS issued/ TS issued/ Tendering Stage/	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
	THIRUVANANTHAPURAM DISTRICT									
1	STP at Rajaji Nagar, Thiruvananthapuram (AMRUT-1.0)	Thiruvananthapuram Corporation	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uielmmukerala@gmail.com	0.5	Work Awarded	STP: The ULB held discussions with the KSPCB and Eco Paradigm, but a consensus has not been arrived at regarding the quality of effluent from the proposed STP. Due to this the contractor is reluctant to start the STP works. Way forward is to be decided by the ULB regarding the STP construction. Temporary Shed: Eight families are to be shifted from one of the proposed STP locations for starting the works. In this regard, the agreement was executed on 09.10.2025. Work has not been started since the STP construction has not been confirmed. Sewer Network: Agreement executed with the DPR agency (Urban Grey Water Solutions) on 24.03.2025. Urban Grey Water Solutions submitted the report based on the finalized STP locations on 13.06.2025 and the estimate on 20.06.2025. TS issuance is delayed as the STP construction has not been confirmed.	STP: The contractor has requested for price escalation (29%). The ULB is likely to reject the same and retender the work. Way forward is to be decided by the ULB. Temporary Shed: Work has not been started since the STP construction has not been confirmed. Sewer Network: TS issuance is delayed as the STP construction has not been confirmed.	STP: The contractor's request for price escalation (29%) is likely to be rejected by the ULB and the work is likely to be retendered. The way forward is to be decided by the new Council. Temporary Shed: Work has not been started since the STP construction has not been confirmed. Sewer Network: TS issuance is delayed as the STP construction has not been confirmed.	STP: The contractor's request for price escalation (29%) is likely to be rejected by the ULB and the work is likely to be retendered. The way forward is to be decided by the new Council. Temporary Shed: Work has not been started since the STP construction has not been confirmed. Sewer Network: Sewer network is expected to be tendered along with the STP.	STP: Expected to be tendered again by 28.02.2026. Sewer Network: Expected to be tendered by 28.02.2026.
KOLLAM DISTRICT										
2	CHC Sooranadu, Sashtancotta Block Panchayath, Kollam	Suchitwa mission		0.028					DPC Revision needed for including sbm khosh fund	
3	Waste water Treatment (90 KLD) System for coastal housing and Tsunmai resettlement facility at karikuzhi , mayyanadGrama Panchayath , Kollam			0.09						
PATHANAMTHITTA DISTRICT										
4	Taluk Hospital Thiruvalla , Thiruvalla Municipality, Pathanamthitta	Suchitwa mission		0.225						
ALAPPUZHA DISTRICT										
5	STP with Septage Cotreatment Capability at Alissery, Alappuzha Municipality (AMRUT-2.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uielmmukerala@gmail.com	5	Tendered	TS estimate submitted after correction and is under scrutiny in KWA.	TS was issued on 04.11.2025, and the tender was floated by KWA on 05.11.2025 with the opening on 10.12.2025.	The tender opening date was extended till 19/12/25 but only 1 bid was received. Hence again extended till 31/12/25, 3 bids were received.	Three bidders participated in the tender. As the bidders were disqualified, action is being taken to retender the work.	Based on the direction of PCB the design to be altered to face the distance criteria.
6	STP at Bhajanamadom Colony, Alappuzha Municipality (AMRUT-2.0)	Alappuzha Municipality	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uielmmukerala@gmail.com	0.012	DPR Stage	In the meeting held on 16.10.2025, the Bhajanamadom Church authorities didn't agree to relinquish the land for the STP. Way forward is to be decided by the ULB.	The Division Councilor has given a letter to the ULB's Chairperson for cancelling the work. The matter is to be placed in the new Council for approval for cancellation.	The decision on cancellation of the work is to be taken by the new Council.	The decision on cancellation of the work is to be taken by the new Council.	Expected to be cancelled by 28.02.2026.
KOTTAYAM DISTRICT										

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
7	Taluk Hospital Pampady, Pampady Block panchayat, Kottayam			0.085						-
IDUKKI DISTRICT										
8	STP for Idukki district hospital and district Ayurveda hospital, Thodupuzha municipality, Idukki	Suchitwa mission		0.205						
9	STP at private bus station, Kothayikkunnu, Thodupuzha municipality Idukki	Suchitwa mission		0.03						
ERNAKULAM DISTRICT										
10	4 STPs are coming up under the KMRL's Integrated Water transport System project at Elamkulam(17.5 MLD)revised to 55MLD, Vennala(24MLD) clubbed with Elamkulam	KWA		55+50MLD	DPR Stage	AS not yet received.		Revised AS for the 50 MLD STP at Muttar and 55 MLD STP at Elamkulam and associated network to be obtained form KIIFB	Revised AS for the 50 MLD STP at Muttar and 55 MLD STP at Elamkulam and associated network to be obtained form KIIFB	
	Muttar(16.5 MLD) revised to 50MLD									
	Perandur(19 MLD) clubbed with Muttar									
11	STP with Septage Cotreatment Capability at Elamkulam, Kochi Corporation (AMRUT-2.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	5	Tendered	STP: As per the Court order dated 01.07.2025, the agreement is to be executed without the additional performance guarantee. As per the final order received from the Court on 23.09.2025, the order dated 01.07.2025 has to be complied. KWA asked the L1 bidder to execute the agreement by 01.11.2025, but so far no action has been taken by them. Sewer Network: The TS was issued by KWA on 29/09/25. The tender was floated by KWA for one sewer network package (27.74 km) with 25/11/25 as the opening date. TS is to be issued by KWA for the other sewer network package (12.5 km).	STP: There is no response from the bidder regarding agreement execution. Hence, the work is likely to be tendered again by KWA after revising the TS as per DSR-2021. Sewer Network: The tender opening date has been extended till 18.12.2025 for increasing the participation in the tender. TS is to be issued by KWA for the 12.5 km package.	STP: There is no response from the bidder regarding agreement execution. Hence, the work is to be tendered again by KWA after revising the TS as per DSR-2021. Sewer Network: The tender opening date of the 27.74 km package was extended till 18/12/25 but only 1 bid was received. Hence again extended till 31/12/25, 4 bids were received. TS is to be issued by KWA for the 12.5 km package.	STP: There is no response from the bidder regarding agreement execution. Hence, the work is to be tendered again by KWA after revising the TS as per DSR-2021. Sewer Network: The bids received for the 27.74 km package are under scrutiny. TS to be issued for the 17 km sewer network.	STP: Tendered with opening 9.03.2026. Sewer Network: The 27.74 km package is expected to be awarded by 28.02.2026 and TS to be issued for the 17km sewer network.
13	CHC Kadayiruppu, Vadavucode Block Panchayat, Ernakulam	Suchitwa mission		0.025						
THRISSUR DISTRICT										
14	5 MLD Decentralized Sewerage Scheme (STP at Kakkala), Thrissur Corporation (AMRUT-2.0)	Thrissur Corporation	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	5	AS Issued	Due to public protest and due to the difficulty in obtaining clearance from KSPCB, the ULB decided to combine the Kottappuram and Kakkala sewerage projects by constructing a common STP at Kakkala. As directed by the SLTC held on 08.10.2025, a basic report on the combined project, '5 MLD Decentralized Sewerage Scheme', was submitted by the ULB. The same was placed in the SHPSC held on 27.10.2025 and the committee approved the issuance of AS for the combined project.	AS was issued via Govt. Order (No.2787) dated 10.11.2025 for the combined project. The ULB has decided to execute the project in the DBOT mode. The draft DBOT tender/EoI document is to be submitted by the ULB to the CE, LSGD for vetting as per the decision taken by the 11th SHPSC.	The draft DBOT tender/ EoI document is to be submitted by the ULB to the CE, LSGD for vetting.	The ULB has submitted the draft DBOT tender/EoI document to the CE, LSGD on 23.01.2026 for vetting.	Expected to be tendered by 28.02.2026.
15	STP at Athani, Wadakkanchery Municipality, Thrissur (PRS)			350 KLD STP						

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
17	Pazhayanoor STP (Thrissur)	KWA		0.45 KLD	Work Awarded	Work Handover to KWA		Earthwork excavation for the collection pit, equalization tank, and MBBR tank completed. PCC work for the collection pit, equalization tank, and MBBR tank completed. RCC work for the collection pit completed. Steel reinforcement works for the equalization tank are in progress.		Expected completion date 30.4.26
18	General Hospital, Irinjalakuda Municipality, Thrissur (PRS)	Suchitwa mission		0.150						
19	35 KLD STP at Ramavarma District ayurveda hospital, Thrissur	Suchitwa mission		0.035		Return for modification				
20	STP at Ottuppara Market, Wadakkanchery Municipality, Trissur (IMPACT KERALA Ltd) (PRS)	IKL		18 KLD STP	DPR Approved				Included in market project. TS stage	-
21	STP at Athani market, Wadakkanchery Municipality, Trissur (PRS) (IMPACT KERALA Ltd)	IKL		13.9 KLD STP	DPR Approved				Included in market project. TS stage	-
22	Waste water treatment plant at K R Narayanan memorial hall, Adat GP			0.0065						
23	Augmentation of existing 3 MLD STP at Chakkamkandam to 5 MLD with Septage Cotreatment Capability, Guruvayur Municipality (AMRUT-2.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	2	DPR Stage	There is delay in the finalization of the DPR by KWA as the ULB wants to remove the sewer network and cotreatment components from the DPR. In the meeting held by the Principal Secretary, LSGD on 09.10.2025, the ULB's Secretary was directed to take necessary action to take up the works as per the DPR initially submitted by the KWA. Action in this regard is to be taken.	The approval of the new Council is to be taken for the DPR submitted initially by the KWA.	The KWA is revising the DPR by including sewer laying using vacuum technology as per the discussion held with the ULB officials and the same will be placed in the Council for approval.	The latest DPR prepared by KWA is expected to be placed in the Council scheduled for 03.02.2026 for approval.	DPR is expected to be finalized by 28.02.2026.
PALAKKAD DISTRICT										
24	STP for Municipal Buildings, Palakkad Municipality (AMRUT-2.0)	Palakkad Municipality	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	0.030	DPR Stage	The DPR is being prepared by the DBOT contractor.	The DPR is being prepared by the DBOT contractor.	The DPR is being prepared by the DBOT contractor.	The DPR is to be submitted by the DBOT contractor.	KWA submitted DPR to Guruvayur Municipality.
25	CHC Alathur, Alathur Block Panchayat , Palakkad	Suchitwa mission		0.090		Instructed LB to call Tender for DPR preparation				
MALAPPURAM DISTRICT										
26	Sewage Treatment Plant and Sewerage System for Ponnani Municipality (Harbour Zone)	KWA		7.12	DPR Approved					Resolution not obtained

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
27	Sewerage system for Ponnani municipality(Kottat hara Zone) with STP of capacity 4.2 MLD	KWA		4.2	DPR Approved					LGSD has put up proposal for a convention centre at the land earmarked for STP. Hence, resolution not obtained
28	Eco - friendly waste water Treatment Plant (140 KLD) for Women and Children Hospital Ponnani Municipality, Malappuram	KWA		0.14					LoA issued to Evatec Engineers and Contractors Pvt Ltd on 03.11.2025. Agreement executed on 26-12-2025. Consent to Establish to be obtained from PCB.	
KOZHIKODE DISTRICT										
29	STP with Septage Cotreatment Capability at Sarovaram, Kozhikode Corporation (AMRUT-2.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	27	Tendered	The ULB's proposal to execute the project on their own instead of KWA was placed in the SLTC/SHPSC. The SLTC held on 08.10.2025 and the SHPSC held on 27.10.2025 decided that the proposal can't be considered as there is a live tender and there is a court case related to the tender. The committee directed KWA to take a decision regarding the tender and the ULB's Secretary to check the possibility of using any other funds available to the ULB for meeting the tender excess.	A confirmation is required from the ULB regarding the management of the additional fund required due to tender excess for execution of the agreement between KWA and the bidder (no stay from the court regarding agreement execution). This matter is to be placed in the new Council for taking a decision.	A confirmation is required from the ULB regarding the management of the additional fund required due to tender excess for execution of the agreement between KWA and the bidder (no stay from the court regarding agreement execution). This matter is to be placed in the new Council for taking a decision.	The Secretary, Kozhikode Corporation, informed (letter dated 30/01/26) that the Council held on 28/01/26 has decided to cancel 2 water body rejuvenation works (both not started) and to use the funds available (₹1.30 Cr.) to meet a portion of the ULB's share of the tender excess. The Secretary has also requested that the balance ULB share of the tender excess (₹11.455 Cr.) be met from other Govt. schemes, and that permission be granted to KWA to execute the agreement. The matter is to be placed in the SLTC/SHPSC for taking an appropriate decision.	Expected to be awarded by 28.02.2026.
30	Sewerage System for Zone-A (STP at West Hill Industrial Estate), Kozhikode Corporation (AMRUT-2.0)	Kozhikode Corporation	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	15	Work Awarded	The SLTC held on 08.10.2025 and the SHPSC held on 27.10.2025 accorded sanction for the issuance of AS.	STP: The AS was issued via Govt. Order (No.2787) dated 10.11.2025. Technical approval and KCZMA's consent are to be obtained for starting the work. The project details are to be submitted by the ULB to the CE, LSGD for placement in the Technical Committee for technical approval. Consent to Establish dated 28.11.2025 has been issued by the KSPCB and the application for KCZMA's consent is to be submitted by the ULB. Network: Agreement with Nasit Infrastructure Pvt. Ltd is to be renewed by the ULB after the MCC expires. The contractor has completed the survey works and the revised design is expected to be submitted by Dec-2025.	STP: ULB has submitted the application to KCZMA on 16/12/25 for the CRZ clearance. The Kerala SIDCO Ltd. has objected the construction of the STP in the West Hill Industrial Estate. The work can be started after obtaining the CRZ clearance and after the resolution of the issue with SIDCO. Sewer Network: The agreement with Nasit Infrastructure Pvt. Ltd is to be renewed by the ULB. The revised design is to be submitted by the contractor.	STP: The work can be started after obtaining the CRZ clearance from KCZMA and technical approval from technical committee, and after the resolution of the issue with SIDCO. Sewer Network: The contractor (Nasit Infrastructure) has completed the survey works for the sewer network package-1 and the revised design is to be submitted. Tender to be floated by the ULB for the sewer network package-2.	STP: Expected to be started by 28.02.2026. Sewer Network: Expected to be started by 28.02.2026.
31	Construction of 7ML D capacity Sewage Treatment Plant and Laying Sewerage Network to Vatakara Municipality, Kozhikode	KWA		7 MLD	DPR Approved					

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ DPR Approved	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
32	Kozhikkode corporation Zone F	KWA		4 MLD						
33	STP at Vadakara Municipality, Kozhikkode (IMPACT KERALA Ltd) (PRS)	IMPACT Kerala Ltd.		0.5 MLD Sewage TP		Under DPR preparation	Submitted to KIIFB		KIIFB appraisal comments recieved. DPR being corrected	-
34	30 KLD Sewage Treatment Plant at EMS Memorial Municipal Town Hall, Koyilandy Municipality, Kozhikkode	KWA		0.03	Tendering Stage			Work awarded Agreement executed on 26.12.25. Awaiting PCB sanction	Work awarded to Evatec Engineers and Contractors Pvt Ltd. On 03-11-2025. Agreement executed on 26-12-2025. Consent to establish obtained from PCB.	25.12.26
KANNUR										
35	STP with Septage Cotreatment Capability at Maithanappally/Marakkarkandy, Kannur Corporation (AMRUT-2.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	5	Tendered	The request submitted by the ULB to execute the project on their own instead of KWA was placed in the SLTC/SHPSC. As directed by the SLTC held on 08.10.2025, the CE, LSGD submitted a report regarding the tender process followed by the ULB. The same was placed in the SHPSC held on 27.10.2025 and the committee decided that the ULB shall execute the project through KWA since the tender process followed by the ULB for executing the project in the DBOT mode is flawed and hence the tender shall be cancelled.	The decision on handing over the work back to KWA and on retendering are to be taken by the new Council.	The decision on handing over the work back to KWA and on retendering are to be taken by the new Council.	The decision on handing over the work back to KWA and on retendering are to be taken by the Council.	Expected to be tendered again by 28.02.2026.
36	STP at Palayad, Taliparamba municipality, Kannur	Suchitwa mission		1						
37	STP at hospital, Pazhayangadi, Kannur			0.120	TS issued					
38	STP at old age home, Kannur			0.010		Work completed				
39	DPR for perumba fish market Payyanur Municipality, Kannur	KWA		0.005	Tendering Stage			Work tendered.LoA issued on 03-01-2026. Agreement to be executed	Bidder did not execute agreement , work retendered with due date as on 27.2.26	25.10.26
40	Thalassery, Kannur			22						
41	Kannur corporation Zone 1			13						
42	Payyannur, Kannur			13 MLD						
43	150 KLD Sewage Treatment Plant - Mattannur Municipality – Reg			0.2		TS issued 06-11-2025				
WAYANAD DISTRICT										
44	65 KLD Sewage Treatment Plant at Taluk Head Quarters Hospital Vythiri, Kalpetta Block Panchayat, Wayanad	Suchitwa mission		0.065		DPR under scrutiny, needs to revised with higher capacity				
KASARGOD DISTRICT										
45	Kasargod Zone 1			4 MLD						
46	Kasargod Zone 2			4 MLD						
47	Taluk Hospital , Neeleswaram Municipality Kasaragod	Suchitwa mission		0.040						
48	135 KLD Capacity decentralized sullage Treatment plant at Uppala Town Mangalpadi, Kasaragod	Suchitwa mission		0.135						
49	CHC, Mangalpady, Manjeshwar Block Panchayath, Kasragod	Suchitwa mission		0.014						
				279.4684						

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the STP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
PROPOSED SEWERAGE SYSTEM										
1	Sewerage system for Thiruvananthapuram Corporation- Cluster 1 Attukal, Ambalathara, Kaladi, Kalipankulam&K amaleswaram	KWA		7.0(for utilizing exixsting 107 MLD)	DPR Approved					
2	Preparation of DPR for proposed sewerage system to the Madhippuram colony and surrounding areas near VizhinjamHarbour, TVM	KWA		5	DPR Approved					
3	Detailed Engineering Report for Sewerage Scheme in Neyyattinkara Zone I,TVM			2.5 MLD	DPR Approved					
4	Detailed Engineering Report for the Sewerage scheme in Alappuzha Municipality with ST P – Phase 1			5 MLD	DPR Approved					
5	Detailed Engineering Report for the Sewerage scheme in Haripad Municipality - Sewage Treatment Plant of Capacity 2.6 MLD– Phase 1 and Sewerage Network of L length 58km – Phase 2, Alapuzha			2.6 MLD	DPR Approved					
6	Comprehensive sewerage scheme- Government medical college, Kottayam			5 MLD	DPR Approved					
7	Sewerage System for Kattappana Municipality			1.76	DPR Approved					
8	Detailed Engineering Report for Sewerage Scheme in Kalamassery Municipality-Phase-1, Kochi			2.6 MLD						
9	Sewerage System for Aluva –Zone 1			1.72	DPR Approved					
10	Sewerage system for Pattambi municipality			5.4	DPR Approved					
11	Sewerage system for Ponnani municipality(Kottathara Zone) with STP of capacity 4.2 MLD			4.2	DPR Approved					

TTU	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the ETP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ Tendered/ Work Awarded) (Click on Drop down and Add)	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
THIRUVANANTHAPURAM										
1	ETP at KSRTC Depot, Thampanoor, Thiruvananthapuram (AMRUT-2.0)	KSRTC	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	0.02	AS issued	The Suchitwa Mission's TS Committee held on 07.10.2025 scrutinized the project and directed KSRTC to get the DPR prepared through an external agency. Action in this regard to be taken by the KSRTC.	The KSRTC tested the wastewater generated from the Thampanoor Depot and has requested the KSPCB (letter dated 20.11.2025) to confirm the necessity of constructing the ETP as the parameters are within the KSPCB limits as per the test report. The reply of the KSPCB is awaited.	The KSPCB informed the KSRTC that ETP is necessary as the Bus Depot is an orange category industry. An external agency to be engaged by the KSRTC for the preparation of the DPR.	An external agency to be engaged by the KSRTC for the preparation of the DPR.	DPR preparation is expected to be completed by 31.03.2026
KOTTAYAM										
2	ETP at Kodimatha, Kottayam Municipality			0.030		slaughter house not operational, ETP construction works resume after the slaughter house starts funtioning				
3	11 KLD effluent treatment plant at Kuravilangad Fish market, Kuravilangad Grama Panchayat, Kottayam			0.011		Project dropped				
THRISSUR										
4	ETP of 2 KLD at Konnamkulam Milk Production Cooperative Society			0.002						
MALAPPURAM										
5	ETP at Perinthalmanna Dialysis Center, District Panchayath, Malappuram	Suchitwa mission		0.010					Work Ongoing	
6	ETP at Tirur Municipality Slaughter house	Suchitwa mission		0.030			Paused due to public protest, Slaughter house not wroking			
KOZHIKODE										
7	ETP at GovtAyurvedic Hospital, Talayad, Panangad Grama Panchayath, Kozhikode	Suchitwa mission		0.03						

[illegible]

TT U	Location	Implementing Agency	Name, Designation, Phone No., Mail id of Nodal Officer updating the data	Capacity of the FSTP proposed in MLD	Project status Status of Project (at DPR Stage/ DPR Approved/ AS issued/ TS issued/ Tendering Stage/ Tendered/ Work	Incremental progress - Oct 2025	Incremental progress - Nov 2025	Incremental progress - Dec 2025	Incremental progress - Jan 2026	Likely Date of Completion of DPR Preparation/ Tendering
8	Shornur FSTP	IMPACT Kerala Ltd.				Cluster selection ongoing, by considering the nearby local bodies.	Agency visited the Municipality. Soil test done. Contour survey completed, DPR design work in progress. As per decision of meeting b/w consultant, LB and SM, Consultant submitted process flow to LB for Suchitwa Mission approval & LB to submit council decision for 50 KLD with GWM	Technical presentation done before IKL technical committee on 04.07.2025. Consultant submitted modified DPR on 02.08.2025. DPR submitted to SM on 08.08.2025 for funding.	SM directed for cluster approach, informed LB. Awaiting council decision in this regard. MoU to be signed with IMPACT Kerala.	
MALAPPURAM										
9	FSTP at Perinthalmanna					Land demarcating is being done by taluk surveyor	Council has not yet decided the land for the project. A separate meeting with LB representatives had done on 19.09.2025. But president and Secretary didn't attend the meeting. Another meeting to be conducted as per the availability of LB	Decided to conduct a meeting with new Council representatives.	Location changed. Decided to conduct a meeting with new Council representatives.	
10	FSTP at Valancheri					Site Clearance done. Applied for KSEB Electricity connection.	Electricity connection recieved		Work ongoing.Concrete works completed.	
KANNUR										
11	FSTP at Valliyayi, Mokeri GP	Suchitwa mission				Process flow approved. Revised DPR based on DSR 2021 to be submitted	Revised DPR received. Under TS stage. Scrutiny completed. TS will be issued by 24.09.2025	TS issued on 17-10-2025.Letter sent to IMPACT KERALA to start the work	Joint meeting scheduled for land development on 17-Feb-2025	
KASARGODE										
12	FSTP at Mangalpady, 50 KLD			0.050		Revised DPR received on state office and TS to be issued soon	TS issued . LB has been directed to submit the documents to agency for submitting the application. for CTE to PCB.	Advance mobilisation amount (GP Share-40 lakhs) given to IRTC on 31/12/25- Site clearance ongoing	PCB NOC issued on 13.11.25, Site clearance ongoing. 5% Civil work completed	
13	FSTP at Manjeswaram, Manjeswaram GP	Suchitwa mission			TS issued	TS issued on 26.03.2025. Due to Public Protest Grama Panchayat not yet started the work.	Delayed due to public protest	A separate meeting will be scheduled by ED, SM with LB representatives	Paused due to public protest, a meeting was held by special secretary on 9th feb and given direction to JD to resolve the issue.	
	Construction of 36 KLD FSTP at Kayyur-Cheemeni Grama Panchayath,			0.036	TS issued				TS issued,Agreement executed ,PCB NOC under process	
14	Erumeli FSTP	IMPACT Kerala Ltd		105 KLD	Work tendered. Agreement executed			DBO tender done.	Selection notice issued. Agreement executed. Contractor to submit vetted documents to IMPACT for approval	
15	Erumapetti FSTP	IMPACT Kerala Ltd			DPR stage	Agreement ecuted with consultant for DPR preparation		MOU signed	Soil test to be done by LB. Reminder sent.	
16	Chittur Thathamangalam FSTP, palakkad	IMPACT Kerala Ltd.		20 KLD	DPR stage	Collector visited the site & directed to provide police protection. Soil test conducted Contour survey completed, DPR design work in progress. Requirement is 25 KLD, LB needs 20 KLD	Technical presentation done before IKL technical committee on 04.07.2025. Consultant submitted modified DPR on 02.08.2025. Submitted to SM on 08.08.2025 for funding		LB informed site changed. MOU to be executed with IMPACT Kerala Ltd.	
17	Panur BP FSTP, kannur	IMPACT Kerala Ltd.		50 KLD	TS stage	TS given by Suchitwa Mission	BP approached IKL	DPR receievd at IKL on 31-12-25	MOU to be executed with IMPACT Kerala for proceeding with tendering. Meeting of cluster LBs to be done by BP and obtain their resolutions for cluster approach	
18	Nettukalthery FSTP, trivandrum	IMPACT Kerala Ltd.		80 KLD	DPR stage		MOU executed with IKL		Agreement executed with consultant for DPR preparation	

	Location	Implementing	Name, Designation, Phone No.,	Capacity of	Status of I & D or House	Incremental Progress - Oct 2025	Incremental Progress - Nov 2025	Incremental Progress - Dec 2025	Incremental Progress - Jan 2026	Likely Date of
THIRUVANANTHAPURAM										
1	ETP 10 KLD Capacity, Nedumangad Municipality, Thiruvananthapuram	Suchitwa mission		0.01						
2	FSTP at Varkala Municipality, Thiruvananthapuram (IMPACT KERALA Ltd)	IMPACT Kerala Ltd.		50 KLD FSTP	Agreement executed with the contractor M/s Enrec Engineers on 29.02.2024 Contractor submitted vetted process designs Submitted to KWA and got approval	Structural framework and chamber construction are ongoing			75% completed	Work expected to be completed by 31-3- 2026
KOLLAM										
3	STP at Kureepuzha, Kollam (AMRUT-1.0)	Kerala Water Authority	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	12	STP (AMRUT-1.0): Physical progress - 93%. Admin building works in progress. Due to the delay in completion of the sewer network (nearly 2 more years required) and commissioning of the STP, the contractor requested to descope the balance works (supply and installation of rotary drum drier and MBBR media at the time of commissioning of the STP, and reduction in the size of the admin building) and to modify the O&M arrangement. The SLTC held on 08/10/25 and the SHPSC held on 27/10/25 approved the descoping of works and the modifications in O&M. Sewer Network (AMRUT-2.0): In order to speed up the commissioning of the Kureepuzha STP, the SLTC held on 08/10/25 and the SHPSC held on 27/10/25 decided to cancel Pallithottam-Thamarakkulam (conditional assessment work of the existing sewer network was progressing very slowly), Vaddy-Karumalil (AS revision is required for adopting the DSR-2021) and Asramom (AS revision is required for adopting the DSR-2021) sewer network packages, and to implement the sewer network using vacuum sewer technology in Kureepuzha West, Vallikeezhu and adjoining divisions of Kollam Corporation along with the Iron Bridge sewer network package. The DPR of the vacuum sewer network is to be given to KWA by the ULB. The TS of the Iron Bridge sewer network package is to be revised by KWA as per DSR-2021.	STP (AMRUT-1.0): Physical progress - 93%. Admin building finishing works in progress. Sewer Network (AMRUT-2.0): <i>Vacuum Sewer Network:</i> DPR of the vacuum sewer network is to be given to KWA by the ULB. The DPR agency engaged by the ULB is preparing the DPR. <i>Iron Bridge Sewer Network:</i> TS to be revised by KWA as per the DSR-2021 and the work is to be tendered.	STP (AMRUT-1.0): Physical progress - 94%. Finishing work of the admin building finishing in progress. Sewer Network & Connections (AMRUT-2.0): <i>Vacuum Sewer Network:</i> The DPR agency engaged by the ULB is preparing the DPR. <i>Iron Bridge Sewer Network:</i> TS to be revised by KWA as per the DSR-2021 and the work is to be tendered.	STP (AMRUT-1.0): Physical progress - 94%. Finishing work of the admin building finishing in progress. Sewer Network & Connections (AMRUT-2.0): <i>Vacuum Sewer Network:</i> The DPR agency engaged by the ULB is preparing the DPR. <i>Iron Bridge Sewer Network:</i> TS to be revised by KWA as per the DSR-2021 and the work is to be tendered.	STP: Expected to be completed by 28.02.2026. Sewer Network: Vacuum Sewer Network - DPR is expected to be submitted by 28.02.2026. Iron Bridge Sewer Network - expected to be tendered by 28.02.2026.	

[illegible]

	Location	Implementing	Name, Designation, Phone No.,	Capacity of	Status of I & D or House	Incremental Progress - Oct 2025	Incremental Progress - Nov 2025	Incremental Progress - Dec 2025	Incremental Progress - Jan 2026	Likely Date of
11	Viyoor central jail STP (Thrissur)			0.05	Work started on 23/04/2023				Partial commissioning of E1, E2, F, G1, G2 NETWORK connection completed on 22/12/2025. A revised estimate for the same has been prepared. After partial commissioning, while assessing one month's performance of the STP, it is found that the current processing capacity of the STP is about 30 KLD. If blocks C and D are connected (Except blocks A,B and the kitchen), the waste water treatment capacity will reach the current design capacity (50KLD). So A new estimate will have to be prepared for the completion of the block A ,B and the kitchen., .Fund for the same has to be deposited by Viyyur Central Jail Authorities.	30.05.2026
12	Kunnumkulam, Thrissur			0.01	Completion stage and ready for commissioning					
13	STP at CHC Cherpu BP, Thrissur			0.01	Plant construction completed. Final bill is to be submitted by LB. Detailed estimate is under preparation.					30.08.2024
14	STP at Community Health Centre Pazhayannoor Block Panchayath ,Thrissur.			0.025	Work awarded and started			Earthwork excavation for the collection pit, equalization tank, and MBBR tank completed. PCC work for the collection pit, equalization tank, and MBBR tank completed. RCC work for the collection pit completed. Steel reinforcement works for the equalization tank are in progress.	Construction of collection pit and base slab of equalization tank had been completed.Construction of equalization tank side wall is going on.	30.4.26
PALAKKAD										
15	STP at Ottappalam Municipality, Palakkad District	IMPACT Kerala Ltd.		1.50ML D Co- treatment	□ Beneficiary details to be finalised by Municipality after MCC.	Network design finalised by considering the taluk hospital area instead of the railway land. Around 40% plant work completed.			STP construction-60% completed. Sewer network design finalised using vacuum sewer technology.	Work expected to be completed by 30-6-2026
16	FSTP at Yakkara, Palakkad Municipality (AMRUT-1.0)	Palakkad Municipality	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	0.1	Agreement to be executed.	FSTP has been physically completed and the inauguration was held on 27.10.2025. Additional works like approach road, installation of OCEMS and installation of solar panels approved by the SHPSC held on 27.10.2025 are to be done.	Electrical connection for the FSTP is to be given by the KSEB. Additional works like approach road, installation of solar panels etc. are in progress. Bylaw regarding septage collection is to be placed in the new Council for approval.	Electrical connection work is to be completed. Additional works like approach road, installation of solar panels etc. are in progress. The bylaw regarding septage collection is to be placed in the new Council for approval.	Additional works like approach road, OCEMS, solar panels etc. are in progress.	Expected to be made operational by 28.02.2026.
MALAPPURAM										
17	STP at Pambad Housing Colony Malappuram Municipality, Malappuram			0.11		Mechanical work pending due to electrical connection problem. ULB requested to KSEB.				30.09.2025
18	DPR on STP at District Hospital, Tirur, Malappuram	Suchitwa mission		0.5		Work Ongoing- Structure work completed				30.12.2025
19	Eco Friendly waste water Treatment plant 10 KLD in vetnam Community Health centre , Tirur BP	Suchitwa mission		0.01		Work Ongoing (95 % Completed)				30.12.2025

	Location	Implementing	Name, Designation, Phone No.,	Capacity of	Status of I & D or House	Incremental Progress - Oct 2025	Incremental Progress - Nov 2025	Incremental Progress - Dec 2025	Incremental Progress - Jan 2026	Likely Date of
						KOZHICODE				
20	Wastewater treatment plant at Kuttiyadi government taluk hospital, Kozhikode			0.080	RE has been prepared. Electric works will be started after passing RE.					30.08.2024
						KANNUR				
21	Sewage Treatment Plant 20 KLD at Shopping Complex cum multiplex Theatre, Kallumutti, IruttiPayam, Grama Panchayath1, Kannur			0.02	☐ Amount transferred to KWA on 26.02.2024. ☐ Tendering process will start soon.			Work awarded, agreement executed and design under scrutiny	Work order issued on 26-06-2025. Agreement executed on 16.07.2025. PCB sanction received.Site handover submitted to contractor on 15/10/2025. Contractor has given design and is under verification.	15/07/2026
22	STP for Convention Centre, Pinarayi Grama Panchayath, Kannur			0.02						30/12/2024
23	FSTP at Chelora, Kannur Corporation (AMRUT-1.0)	Kannur Corporation	Ramu Vinayak S, UIWE-1, SMMU, AMRUT Kerala 9980010548 smmukerala@gmail.com uie1smmukerala@gmail.com	0.1	NA	Physical progress - 96%. Work in progress.	Physical progress - 97%. Work in progress.	Physical progress-99%. Electrical connection work to be completed and trial run to be done.	Physical progress-99%. Electrical connection to be completed and trial run to be done.	Expected to be completed by 28.02.2026.
						WAYANAD				
24	Construction of 45 KLD waste water treatment plant at Kalpetta Government Ayurveda Hospital DP , Wayanad			0.045	☐ District panchayat Wayanad terminated existing agency ☐ M/S Ram biological confirmed implementation of projects.					30/02/2025

OA 673 ൽ 21.01.2026 തീയതിയിൽ സുപ്രണ്ടിങ്ങ് എഞ്ചിനീയർ, ഇറിഗേഷൻ വകുപ്പ്-
നോർത്ത് സർക്കിളിന്റെ അധ്യക്ഷതയിൽ വീഡിയോ കോൺഫറൻസ് വഴി നടത്തിയ
68-ാമത് DLTC മീറ്റിങ്ങിന്റെ മിനുട്ട്സ്.

ഹാജരായവർ

1. ശ്രീ.ഷാജി.ടി (സുപ്രണ്ടിങ്ങ് എഞ്ചിനീയർ, ഇറിഗേഷൻ വകുപ്പ് നോർത്ത് സർക്കിൾ)
2. ശ്രീ.അഹമ്മദ് അലി (അസിസ്റ്റന്റ് എഞ്ചിനീയർ, കൂട്ടായി ഇറിഗേഷൻ)
3. ശ്രീമതി.സുധ.പി (ഹെഡ് ക്ലർക്ക്, ആർഡിഒ, തിരുർ)
4. ശ്രീ.ജവഹർ സുഹാസ് (ഹെൽത്ത് ഇൻസ്പെക്ടർ, ചെറിയമുണ്ടം ഗ്രാമപഞ്ചായത്ത്)
5. ശ്രീമതി.സ്മിത (മാനേജർ, വ്യവസായ വകുപ്പ്)
6. ശ്രീ.വിനീത് (ടെക്നിക്കൽ കോർഡിനേറ്റർ, ജില്ലാ ശുചിത്വമിഷൻ)
7. ശ്രീമതി.ലത്തീഫ സി.ടി (അസിസ്റ്റന്റ് സയന്റിസ്റ്റ്, കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്, ജില്ലാ ഓഫീസ്, മലപ്പുറം)
8. ശ്രീമതി.ബസ്ലി ബഷീർ (അസിസ്റ്റന്റ് എഞ്ചിനീയർ, കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്, ജില്ലാ ഓഫീസ്, മലപ്പുറം)

DLTC ചെയർമാൻ, ഇറിഗേഷൻ നോർത്ത് സർക്കിൾ സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ ശ്രീ.ഷാജി.ടി യുടെ അധ്യക്ഷതയിൽ 11.30 AM ന് വീഡിയോ കോൺഫറൻസ് ആരംഭിച്ചു. മലിനീകരണ നിയന്ത്രണ ബോർഡ് അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് ശ്രീമതി.ലത്തീഫ സി.ടി NGT OA673/2018-ഭാഗമായി നടത്തുന്ന 68-ാമത് DLTC മീറ്റിങ്ങിലേക്ക് എല്ലാവരെയും സ്വാഗതം ചെയ്തു.

തുടർന്ന് ഇറിഗേഷൻ വകുപ്പിന്റെ പ്രവർത്തന പുരോഗതിയാണ് വിലയിരുത്തിയത്. കൂട്ടായി റെഗുലേറ്റർ കം ബ്രിഡ്ജിന്റെ റീഹാബിലിറ്റേഷൻ പ്രവർത്തനങ്ങൾക്കുള്ള മെക്കാനിക്കൽ വർക്ക് ഉൾപ്പെടുത്തിയുള്ള 19.32 കോടിയുടെ റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് അഡ്മിനിസ്ട്രേറ്റീവ് സാങ്ഷനുവേണ്ടി സർക്കാരിന് സമർപ്പിച്ചിട്ടുണ്ടെന്ന് സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ ശ്രീ.ഷാജി അറിയിച്ചു. ഇലക്ട്രിക്കൽ വർക്കിന്റെ എസ്റ്റിമേറ്റ് 15.12.2025 തീയതിയിൽ ചീഫ് എഞ്ചിനീയർക്ക് അയച്ചിട്ടുണ്ടെന്നും ഇതു കൂടി ഉൾപ്പെടുത്തിയുള്ള

19.62 കോടിയുടെ എസ്റ്റിമേറ്റ് സർക്കാരിന് ഉടൻ സമർപ്പിക്കുമെന്ന് ചീഫ് എഞ്ചിനീയർ അറിയിച്ചിട്ടുണ്ടെന്നും സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ ശ്രീ.ഷാജി അറിയിച്ചു.

തുടർന്ന് ജില്ലാ ശുചിത്വ മിഷന്റെ പ്രവർത്തനപുരോഗതിയാണ് വിലയിരുത്തിയത്. മലപ്പുറം നഗരസഭയിലെ പാമ്പാട് ഫ്ളാറ്റ് സമുച്ചയത്തിലെ STP യുടെ കാര്യത്തിൽ പുരോഗതി ഒന്നും ആയിട്ടില്ലെന്നും ഇലക്ട്രിക്കൽ കണക്ഷൻ ലഭ്യമായതിനുശേഷം മാത്രമേ മെഷിനറി വാങ്ങാനാകുകയുള്ളൂ എന്നും ടെക്നിക്കൽ കോർഡിനേറ്റർ ശ്രീ.വിനിത് അറിയിച്ചു. തിരുർ ബസ് സ്റ്റാന്റ് STP, ഫിഷ് മാർക്കറ്റ് ETP എന്നിവ പ്രവർത്തനക്ഷമമാണെന്നും ശ്രീ.വിനിത് അറിയിച്ചു.

അടുത്തതായി ചെറിയമുണ്ടം ഗ്രാമപഞ്ചായത്തുമായി ബന്ധപ്പെട്ട കാര്യങ്ങൾ ചർച്ച ചെയ്തു. നിലവിൽ ക്യാമറകളുടെ ബാറ്ററിയ്ക്ക് കേടുപാട് സംഭവിച്ചിട്ടുണ്ടെന്നും പഴയ മോഡൽ ബാറ്ററിയായതിനാൽ സ്പെയർ പാർട്സ് കിട്ടാനില്ലെന്നും ആയതിനാൽ പുതിയത് വാങ്ങുന്നതിനുള്ള പ്രോജക്റ്റ് സമർപ്പിക്കേണ്ടതുണ്ടെന്നും ഹെൽത്ത് ഇൻസ്പെക്ടർ ശ്രീ.ജവഹർ സുഹാസ് അറിയിച്ചു. പുഴയുടെ തീരങ്ങളിൽ കൃത്യമായ ഇടവേളകളിൽ ഇൻസ്പെക്ഷൻ നടത്തുന്നുണ്ടെന്നും അദ്ദേഹം പറയുകയുണ്ടായി.

ആർ.ഡി.ഒ യുടെ കാര്യലയത്തിൽ നിന്നും ഹെഡ്ക്വർക്ക് ശ്രീമതി.സുധ.പി മീറ്റിംഗിൽ പങ്കെടുത്തു. വ്യവസായ വകുപ്പിൽ നിന്നും മാനേജർ ശ്രീമതി.സ്മിത പങ്കെടുത്തു.

തിരുർ മുനിസിപ്പാലിറ്റി, മലപ്പുറം മുനിസിപ്പാലിറ്റി, വെട്ടം ഗ്രാമപഞ്ചായത്ത്, തലക്കാട് ഗ്രാമപഞ്ചായത്ത്, മംഗലം ഗ്രാമപഞ്ചായത്ത്, ഗ്രൗണ്ട് വാട്ടർ ഡിപ്പാർട്ട്മെന്റ് എന്നിവർ മീറ്റിംഗിന് ഹാജരായില്ല.

മീറ്റിംഗിൽ പങ്കെടുത്ത എല്ലാവർക്കും അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് ശ്രീമതി.ലത്തീഫ സി.ടി നന്ദി പറഞ്ഞു. 12.00 PM ന് വീഡിയോ കോൺഫറൻസ് അവസാനിച്ചു.

മലപ്പുറം

27.01.2026


എൻവയോൺമെന്റ് എഞ്ചിനീയർ

OA 673 ൽ 19.02.2026 തീയതിയിൽ സുപ്രണ്ടിങ്ങ് എഞ്ചിനീയർ, ഇറിഗേഷൻ വകുപ്പ്-നോർത്ത് സർക്കിളിന്റെ അധ്യക്ഷതയിൽ വീഡിയോ കോൺഫറൻസ് വഴി നടത്തിയ 69-ാമത് DLTC മീറ്റിങ്ങിന്റെ മിനുട്ട്സ്.

ഹാജരായവർ

1. ശ്രീ.ഷാജി.ടി (സുപ്രണ്ടിങ്ങ് എഞ്ചിനീയർ, ഇറിഗേഷൻ വകുപ്പ് നോർത്ത് സർക്കിൾ)
2. ശ്രീ.അഹമ്മദ് അലി (അസിസ്റ്റന്റ് എഞ്ചിനീയർ, കൂട്ടായി ഇറിഗേഷൻ)
3. ശ്രീ.ബാബു (ക്ലിൻസിറ്റി മാനേജർ, തിരുർ മുനിസിപ്പാലിറ്റി)
4. ശ്രീ.ജവഹർ സുഹാസ് (ഹെൽത്ത് ഇൻസ്പെക്ടർ, ചെറിയമുണ്ടം ഗ്രാമപഞ്ചായത്ത്)
5. ശ്രീമതി.ഷിനി (ഹെൽത്ത് ഇൻസ്പെക്ടർ, മംഗലം ഗ്രാമപഞ്ചായത്ത്)
6. ശ്രീമതി.സേതുലക്ഷ്മി (ഹെൽത്ത് ഇൻസ്പെക്ടർ, വെട്ടം ഗ്രാമപഞ്ചായത്ത്)
7. ശ്രീ.വിനീത് (ടെക്നിക്കൽ കോർഡിനേറ്റർ, ജില്ലാ ശുചിത്വമിഷൻ)
8. ശ്രീമതി.പ്രീതി (ജൂനിയർ സുപ്രണ്ട്, ആർഡിഒ, തിരുർ)
9. ശ്രീമതി.ഷൈനി (ജൂനിയർ ഹെൽത്ത് ജിയോളജിസ്റ്റ്, ഗൗണ്ട് വാട്ടർ ഡിപ്പാർട്ട്മെന്റ്)
10. ശ്രീമതി.ലത്തീഫ സി.ടി (അസിസ്റ്റന്റ് സയന്റിസ്റ്റ്, കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്, ജില്ലാ ഓഫീസ്, മലപ്പുറം)
11. ശ്രീമതി.ബസ്ലി ബഷീർ (അസിസ്റ്റന്റ് എഞ്ചിനീയർ, കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്, ജില്ലാ ഓഫീസ്, മലപ്പുറം)

DLTC ചെയർമാൻ, ഇറിഗേഷൻ നോർത്ത് സർക്കിൾ സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ ശ്രീ.ഷാജി.ടി യുടെ അധ്യക്ഷതയിൽ 11.30 AM ന് വീഡിയോ കോൺഫറൻസ് ആരംഭിച്ചു. മലിനീകരണ നിയന്ത്രണ ബോർഡ് അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് ശ്രീമതി.ലത്തീഫ സി.ടി NGT OA673/2018-ഭാഗമായി നടത്തുന്ന 69-ാമത് DLTC മീറ്റിങ്ങിലേക്ക് എല്ലാവരെയും സ്വാഗതം ചെയ്തു.

തുടർന്ന് ഇറിഗേഷൻ വകുപ്പിന്റെ പ്രവർത്തന പുരോഗതിയാണ് വിലയിരുത്തിയത്. കൂട്ടായി റെഗുലേറ്റർ കം ബ്രിഡ്ജിന്റെ റീഹാബിലിറ്റേഷൻ പ്രവർത്തനങ്ങൾക്കുള്ള 19.629 കോടിയുടെ റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് അഡ്മിനിസ്ട്രേറ്റീവ് സാങ്ഷനുവേണ്ടി സർക്കാരിന് സമർപ്പിച്ചിട്ടുണ്ടെന്ന് സുപ്രണ്ടിംഗ് എഞ്ചിനീയർ ശ്രീ.ഷാജി അറിയിച്ചു. പഴയ വർക്കുകൾ

ഫോർക്ലോസ് ചെയ്യുന്നതിനുള്ള നടപടികൾ ചെയ്തു വരുന്നതായും അദ്ദേഹം പറയുകയുണ്ടായി.

അടുത്തതായി തിരുർ മുനിസിപ്പാലിറ്റിയുടെ പ്രവർത്തന പുരോഗതിയാണ് വിലയിരുത്തിയത്. ഫിഷ് മാർക്കറ്റ് ETP, ബസ് സ്റ്റാന്റ് STP എന്നിവ പ്രവർത്തനക്ഷമമാണെന്നും ഓപ്പറേഷൻ മെയിന്റനൻസ് നിലവിൽ എടുത്തിട്ടുണ്ടെന്നും തിരുർ മുനിസിപ്പാലിറ്റി ക്ലീൻസിറ്റി മാനേജർ ശ്രീ.ബാബു അറിയിച്ചു. ഫിഷ് മാർക്കറ്റ് ETP യുടെ കാര്യത്തിൽ വെള്ളത്തിന്റെ ഗുണനിലവാരം അത്ര തൃപ്തികരമായി തോന്നുന്നില്ലെന്നും മുനിസിപ്പാലിറ്റിയിൽ ടെക്നിക്കൽ എക്സ്പർട്ട് ഇല്ലാത്തതിനാൽ മലിനീകരണ നിയന്ത്രണ ബോർഡ് ഇൻസ്പെക്ഷൻ നടത്തുന്ന സമയത്ത് മുനിസിപ്പാലിറ്റിയെ കൂടി അറിയിക്കണമെന്നും അദ്ദേഹം പറയുകയുണ്ടായി. കാനാത്തട്കടവ് സ്റ്റേഷനിൽ നിന്നും സാംപ്ലിംഗ് വേളയിൽ പുഴയിലേക്ക് ഡ്രൈനേജിൽ നിന്നും മലിനജലം ഒഴുകുന്നതായി കാണാറുണ്ടെന്ന് അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് പറഞ്ഞതനുസരിച്ച് രാവിലെ ഹോൾസെയിൽ ഡീലർമാരിൽ നിന്നും മൽസ്യം അൺലോഡ് ചെയ്യുമ്പോൾ പുറത്തുവരുന്ന വെള്ളം നിലവിൽ ETP യിലേക്ക് കൊടുത്തിട്ടില്ലെന്നും നേരെ ഡ്രൈനേജിലേക്ക് പോകുന്നുണ്ടെന്നും ETP യിലേക്ക് പോകുന്ന തരത്തിൽ സംവിധാനം ചെയ്യേണ്ടതുണ്ടെന്നും അദ്ദേഹം അറിയിച്ചു.

അടുത്തതായി ചെറിയമുണ്ടം ഗ്രാമപഞ്ചായത്തുമായി ബന്ധപ്പെട്ട കാര്യങ്ങൾ ചർച്ച ചെയ്തു. നിലവിൽ ക്യാമറകളുടെ ബാറ്ററിക്ക് കേടുപാട് സംഭവിച്ചിട്ടുണ്ടെന്നും പഴയ മോഡൽ ബാറ്ററിയായതിനാൽ സ്പെയർ പാർട്സ് കിട്ടാനില്ലെന്നും റിപ്പയർ ചെയ്യുന്നതിനുള്ള നടപടികൾ സ്വീകരിച്ചു വരികയാണെന്നും ഹെൽത്ത് ഇൻസ്പെക്ടർ ശ്രീ.ജവഹർ സുഹാസ് അറിയിച്ചു. പുഴയുടെ തീരങ്ങളിൽ കൃത്യമായ ഇടവേളകളിൽ ഇൻസ്പെക്ഷൻ നടത്തുന്നുണ്ടെന്നും അദ്ദേഹം പറയുകയുണ്ടായി.

തുടർന്ന് മംഗലം ഗ്രാമപഞ്ചായത്ത് ആക്ഷൻ പ്ലാനുമായി ബന്ധപ്പെട്ട കാര്യങ്ങൾ ചർച്ച ചെയ്തു. ആക്ഷൻ പ്ലാനിലെ പ്രവർത്തനങ്ങൾ പൂർത്തീകരിച്ചതാണെന്നും പുഴയുടെ തീരങ്ങളിൽ എൻഫോഴ്സ്മെന്റ് സ്ക്വാഡ് പരിശോധന നടത്തുന്നുണ്ടെന്നും നിയമ ലംഘനങ്ങളൊന്നും തന്നെ റിപ്പോർട്ട് ചെയ്തിട്ടില്ലെന്നും ഹരിതകർമ്മസേനയുടെ പ്രവർത്തനങ്ങൾ കാര്യക്ഷമമായി നടന്നുവരുന്നുണ്ടെന്നും ഹെൽത്ത് ഇൻസ്പെക്ടർ ശ്രീമതി.ഷിനി അറിയിച്ചു.

അടുത്തതായി വെട്ടം ഗ്രാമപഞ്ചായത്തുമായി ബന്ധപ്പെട്ട കാര്യങ്ങൾ ചർച്ച ചെയ്തു. ഹരിതകർമ്മസേനയുടെ നേതൃത്വത്തിൽ അജൈവ മാലിന്യ ശേഖരണം നല്ല രീതിയിൽ നടന്നുവരുന്നുണ്ടെന്നും എൻഫോഴ്സ്മെന്റ് സ്കാഡ് പുഴയുടെ തീരങ്ങളിൽ കൃത്യമായി പരിശോധന നടത്തി വരുന്നുണ്ടെന്നും നിലവിൽ CCTV ക്യാമറകൾ പ്രവർത്തനക്ഷമമാണെന്നും ഹെൽത്ത് ഇൻസ്പെക്ടർ ശ്രീമതി.സേതുലക്ഷ്മി അറിയിച്ചു.

തുടർന്ന് ജില്ലാ ശുചിത്വ മിഷന്റെ പ്രവർത്തനപുരോഗതിയാണ് വിലയിരുത്തിയത്. പാമ്പാട് ഫ്ളാറ്റ് സമുച്ചയത്തിലെ STP യുടെ കാര്യത്തിൽ മലപ്പുറം നഗരസഭ സെക്രട്ടറിയുമായി ഫെബ്രുവരി 16-ാം തീയതി യോഗം ചേർന്നിരുന്നെന്നും അടുത്ത ആഴ്ചയോടുകൂടി ഇലക്ട്രിക്കൽ കണക്ഷനുമായി ബന്ധപ്പെട്ട കാര്യങ്ങൾ പൂർത്തിയാക്കാമെന്ന് സെക്രട്ടറി അറിയിച്ചിട്ടുണ്ടെന്നും ടെക്നിക്കൽ കോർഡിനേറ്റർ ശ്രീ.വിനിത് അറിയിച്ചു.

പൊല്യൂട്ടഡ് റിവർ സ്ട്രച്ചസ് അനാലിസിസ് റിപ്പോർട്ട് പ്രകാരം തിരുർ പുഴയുടെ ചില സ്റ്റേഷനുകളിൽ ഡിസോൾവ്ഡ് ഓക്സിജൻ ഏറ്റക്കുറച്ചിലുകൾ കാണപ്പെടുന്നുണ്ടെന്നും യാതൊരു തരത്തിലുള്ള അനധികൃത ഡിസ്ചാർജ്ജുകളും പുഴയിലേക്കെത്തുന്നില്ലെന്ന് ഉറപ്പുവരുത്തണമെന്നും അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് അഭിപ്രായപ്പെട്ടു.

ആർ.ഡി.ഒ യുടെ കാര്യാലയത്തിൽ നിന്നും ജൂനിയർ സൂപ്രണ്ട് ശ്രീമതി.പ്രീതി മീറ്റിംഗിൽ പങ്കെടുത്തു.

ഗൗണ്ട് വാട്ടർ ഡിപ്പാർട്ട്മെന്റിൽ നിന്ന് ജൂനിയർ ഹൈഡ്രോജിയോളജിസ്റ്റ് ശ്രീമതി.ഷൈനി പങ്കെടുത്തു.

മലപ്പുറം മുനിസിപ്പാലിറ്റി, തലക്കാട് ഗ്രാമപഞ്ചായത്ത് എന്നിവർ മീറ്റിംഗിന് ഹാജരായില്ല.

മീറ്റിംഗിൽ പങ്കെടുത്ത എല്ലാവർക്കും അസിസ്റ്റന്റ് സയന്റിസ്റ്റ് ശ്രീമതി.ലത്തീഫ സി.ടി നന്ദി പറഞ്ഞു. 12.00 PM ന് വീഡിയോ കോൺഫറൻസ് അവസാനിച്ചു.

മലപ്പുറം

24.02.2026


എൻവയോൺമെന്റൽ എഞ്ചിനീയർ

No.DGWD/2094/2024-T1

Directorate of Groundwater Department,

Jalavijnana Bhavan, Ambalamukku

Kowdiar P.O, Thiruvananthapuram

Dated:23-02-2026

Phone: - 2434098, Fax: - 2431824

Email,gwdkerala@gmail.com.

From,

The Director

To,

The Member Secretary

Kerala Pollution Control Board

Pattom, Thiruvananthapuram-04

Sir,

Sub: Groundwater Department - Present Status Report - (Groundwater Regulation (Page No. 60) and Rainwater harvesting (Page No. 62) report forwarding -reg

Ref: Your Letter No. KSPCB/314/2025-CEE dated: 05/02/2026

Inviting attention to the reference cited above, I am hereby furnishing the present status report as mentioned in the above reference. The details are below..

XV. Ground Water Regulation

Groundwater governance in the State is carried out through the statutory enforcement of the **Kerala Groundwater (Control and Regulation) Act, 2002**. As per the section 3 of the act, the Govt.of Kerala has been constituted the State Ground Water Authority in 2004, in order to regulate and manage ground water resources in the State. The **State Groundwater Authority** is responsible for the notification of areas (to regulate the extraction or use of ground water in any area, as required), regulation of groundwater abstraction, and the registration of drilling agencies. Since 2009, the Authority has been issuing **No Objection Certificates (NOCs)** for groundwater extraction to industrial and infrastructure establishments. The issuance of NOCs are based on the recommendations of the **District Level Evaluation Committee (DLEC)**, chaired by the **District Magistrate**. The DLEC considers proposals based on scientific reports, including pumping test studies conducted by the district offices of the Groundwater Department. To further streamline these processes, the State Groundwater Authority implemented specific guidelines for groundwater

extraction effective from **April 15, 2018**.

In notified blocks—specifically **Chittur and Malampuzha** in Palakkad District and **Kasaragod Block** in Kasaragod District—a permit is mandatory for the construction of new groundwater abstraction structures (except dug wells for domestic use) and conversion permit is mandatory for drilled wells to be energized. From 2016 to December 2025, 6,127 permits have been issued for digging new wells in notified blocks, while 1,939 conversion permits were granted. To regulate private drilling activities, 376 no of private rig agencies have been registered, 669 nos of registration certificates for private drilling rigs were issued, and 92 no of renewals were carried out in the State. The State Ground Water Authority has issued No Objection Certificates for 412 no of industrial units and 36 no of infrastructure units so far.

The Department has undertaken sustained awareness and outreach activities to improve compliance and promote ground water conservation and management to students, public ,officials, NGO's and people's representatives. A total of 451 mass awareness seminars on groundwater management were organized across the State during the period from April 2016 to December 2025.

For the year **2026–27**, the Department is proposed to intensify the implementation of the Act through wider public outreach and capacity building. About **70 awareness programs** are to be planned across the State, alongside the preparation of educational materials and handbooks for the public. Further strengthening of the State Groundwater Authority is envisaged through augmentation of scientific capability, including procurement of additional pumping test units, modern equipment, software, hardware and mobility support to improve regulatory oversight and groundwater resource management.

A statewide well census titled ‘Neerarivu’ has been carried out using a mobile application developed by KSREC with the support of Kudumbashree Mission. Data collection has been completed in 331 Panchayats covering about 22 lakh abstraction structures, and the information generated will support future water budgeting and policy formulation.

In addition, for effective regulation of bulk groundwater extraction and transportation through tanker lorries, the Government have issued specific procedural guidelines. Vide G.O.(Rt) No. 465/2023/WRD dated 18.05.2023, provisions were introduced for issuance of No Objection Certificates (NOCs) for bulk groundwater supply. Subsequently, detailed

procedures for Groundwater Extraction for Bulk Water Supply have been prescribed as per G.O.(Rt) No. 97/2026/WRD dated 27.01.2026, streamlining the application, scrutiny, monitoring, and compliance mechanisms associated with such extraction. These orders strengthen regulatory oversight, ensure scientific assessment prior to approval, and facilitate sustainable management of groundwater resources in the context of commercial bulk supply.

XVII. Rainwater Harvesting

In compliance with the directions of the Hon'ble National Green Tribunal, the Department continues to implement groundwater conservation and artificial recharge measures as long-term strategies for aquifer sustainability through the plan funded scheme "Groundwater Conservation and Recharge". Artificial recharge schemes are predominantly undertaken in public buildings and government institutions, with priority accorded to blocks classified as Critical and Semi-critical, where the Stage of Groundwater Development exceeds sustainable thresholds or indicates emerging stress on aquifer systems. However in the latest Government order i.e. G.O.(Rt) No.93/2026/WRD dtd 28/01/2026 , the department has been taken steps to recharge bore wells drilled for domestic and private purpose by providing 80% subsidy on pilot basis. Bore wells constructed in Critical blocks (Chittoor , Malampuzha and Kasaragod) and in the Semi Critical block Kattappana will be taken for recharge.

From 2016 to March 2025, under the Groundwater Conservation and Recharge programme, 1179 recharge pits have been constructed, 65 open well or borewell recharge schemes were implemented, 16 small ring check dams were built, and 2 small ponds were renovated, resulting in a total of 1,262 recharge structures with an expenditure of ₹26.09 crore in the State. Further, during the financial year 2025–26, technical sanction was issued for works amounting to ₹600 lakhs, 58 schemes have been completed.

For the year 2026–27, the Department intends to implement about 300 no of recharge structures across the State. The programme will also include execution of recharge pit/ direct dug well recharge/ bore well recharge , rejuvenation of small open ponds and small check dams in first and second order streams to ensure sustainability of the ground water resources. Implementation of recharge interventions will continue to be based on

hydrogeological feasibility studies, scientific site selection and field supervision.

The Groundwater Department is the nodal department in the State for coordination and implementation of activities under the Jal Shakti Abhiyan – CTR, JSJB initiative with varoius line departments involved in water conservation activities.. As of February 2026, under the Jal Sanchay - Jan Bhagidari initiative in Kerala, a total of 9,170 works have been taken up across the State, of which 3,815 works have been completed and 5,355 works are in progress, with major concentrations in districts such as Palakkad, Kozhikode and Thrissur, and the activities are being subjected to regular monitoring to ensure timely completion and effectiveness.

This is for favour of information and further necessary action.

Yours faithfully,

DIRECTOR (i/c)