

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 Amayizhinanthodu, 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • 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%	<p>STP (AMRUT-1.0): Physical progress - 94%. Finishing work of the admin building finishing in progress.</p> <p>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.</p>	<p>STP: 28.02.2026</p> <p>FSTP: 31.03.2026</p> <p>Sewer Network: Vacuum Sewer Network – DPR is expected to be submitted by 31.03.2026. Iron Bridge Sewer Network</p>

						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 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	Viyoor 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	<p>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.</p> <p>Temporary Shed: Work has not been started since the STP construction has not been confirmed.</p> <p>Sewer Network: Expected to be tendered along with the STP.</p>	<p>STP: Expected to be tendered again by 28.02.2026</p> <p>Sewage Network: Expected to be tendered by 28.02.2026</p>
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	<p>Physical progress – 57%</p> <p>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</p>	
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 form 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 7MLD capacity Sewage Treatment Plant and Laying Sewerage Network to Vatakara Municipality, Kozhikode	Kerala Water Authority	7MLD	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 LA 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.
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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 existng 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 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		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 2 nd unit by 28.02.2026.

Underground STPs

No	Projects	Status
1	UG STP for Thavanur Central Prison & Correctional Home, Malappuram Dist.	<ul style="list-style-type: none"> DPR submitted to SM for financial status. MoU to be signed.
2	UG STP at Parassinikkadavu, Anthur Municipality, Kannur Dist.	<ul style="list-style-type: none"> DPR submitted to SM for financial status. MoU to be signed.
3	Govt. Ayurveda Hospital, Piravom Municipality, Ernakulam Dist.	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • 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, Mallappally East(PO),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 -.05, ammoni	

								ammoniacal nitrogen - 75mg/l, hexachromium - 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, hexachromium - 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,

	pallippadam, 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, Edakka d.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	Service 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 Stand ards
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.

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.

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)
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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			
SI 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 & ROHFWR	
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 m ³ (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 zi of 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, Chulliyar 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 Manimalariver 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 IDR. 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 Priority IV)
- 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