

Minutes of the 10th State Level High Powered Steering Committee (SHPSC) Meeting of AMRUT 2.0

Minutes of the 10th State Level High Powered Steering Committee (SHPSC) Meeting of AMRUT 2.0 chaired by Smt. Sarada Muraleedharan, IAS, Chief Secretary, Government of Kerala held on 7th and 20th February 2025 at 3:00 PM in the Committee Room of Chief Secretary (the list of participants is attached as Annexure-1). Dr. Sharmila Marry Joseph, IAS, Convenor (SHPSC) & the Principal Secretary, LSGD and Sri. Suraj Shaji, IAS, Mission Director, AMRUT presented the points in the agenda note.

Agenda Item No.10.1: CONFIRMATION OF MINUTES OF THE 9th MEETING OF SHPSC:

The minutes of the 9th SHPSC meeting of AMRUT 2.0 held on 02th August 2024.

Decision Taken: The Committee confirmed the minutes of the 9th SHPSC meeting.

Agenda Item No.10.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 9th SHPSC MEETING OF AMRUT 2.0:

8th SHPSC of AMRUT 2.0

Agenda Item No.8.3: PROGRESS OF AMRUT 2.0

Action Taken:

- ◆ GO cancelling the positions of Administrative Officer & Accounts officer have been issued.
- ◆ Regarding the selection of Volunteers in KWA, vide letter No. SMMU/48/2024-MFE dated 15.10.2024, KWA has been asked to proceed with the necessary actions to facilitate interns' recruitment.
- ◆ Estimate from the KWA is awaited.

Decision: The committee took note of the action taken.

Agenda Item No. 8.9: AMRUT 2.0 - SANCTION FOR THE RELEASE OF ₹ 10 Cr. UNDER THE REFORM INCENTIVE COMPONENT OF THIRUVANANTHAPURAM CORPORATION

Action Taken:

- ◆ Based on the meeting convened by the Principal Secretary, LSGD, a letter was sent to the Secretary, Thiruvananthapuram Corporation asking for confirmation to share the incentive amount with the Kerala Water Authority.
- ◆ As per the letter No. E7/E13/38658/2016-VOL 2 dated 04/11/2024, the Mayor, Thiruvananthapuram Corporation informed that, they are not in a position to share the reform incentive with KWA and requested to release the amount(10Cr) to Thiruvananthapuram Corporation for implementing the flood mitigation projects at the earliest.

13th SLTC Recommendations:

- ◆ SLTC reviewed the letter from the Mayor of Thiruvananthapuram Corporation and made the following observations.
 - 75% of the incentive amount may be allocated for Drainage Planning and Water Conservation measures including urban flood prevention.
 - 25% of the incentive amount may be allocated for property Tax Mapping through Drone Based Survey/Other latest technologies and Reduction in Non-Revenue Water (Introduction of Smart Elements) of Thiruvananthapuram Corporation.
- ◆ The SHPSC may take a suitable decision on the observation of SLTC for the release of 10Cr (Reform incentives) and its utilization.

Decision:

The Committee took note of the recommendations of the SLTC and decided as follows;

- 75% of the incentive amount may be allocated for Drainage Planning and Water Conservation measures including urban flood prevention.
- 25% of the incentive amount may be allocated for property Tax Mapping through Drone Based Survey/Other latest technologies and Reduction in Non-Revenue Water (Introduction of Smart Elements) of Thiruvananthapuram Corporation.

Agenda Item No. 8.11: AMRUT REFORM INCENTIVES - DISTRIBUTION TO ULB

Action Taken: Under the AMRUT guidelines, reform incentives can be utilized for implementing the reforms. However, the details in the proposal given by KWA are incomplete in nature. Therefore, a letter was sent to the Managing Director, KWA to provide a comprehensive proposal that includes details of the zones and justification for the NRW reduction.

13th SLTC Recommendations:

- ◆ 13th SLTC observed that the project period for AMRUT Phase I was already completed in December 2024. Therefore, clarification from MoHUA is required for the utilization of reform incentives.
- ◆ KWA has submitted a revised proposal on 31.01.2025.

Decision:

- ◆ *The Fund may be Utilized for further Urban reforms related activities (Urban policy Commission, Reforms based Exposure Visits etc).*
- ◆ *The available balance fund should be kept in a separate account.*

Agenda Item No.8.16: AMRUT 2.0 - TAKING UP OF ALTERNATIVE PROJECTS UNDER SWAP 1&2 FOR THE PROJECTS SHIFTED TO AMRUT 1.0

Action Taken: The APEX Committee of MoHUA in its 11th meeting held on 23rd September 2024 agreed to the cancellation of projects.

Decision: *The committee took note of the action taken.*

9th SHPSC of AMRUT-2.0

Agenda Item No.9.3: PROGRESS OF AMRUT 2.0

Action Taken:

- ◆ Progress is included in Agenda 10.3
- ◆ Government Orders are still pending permitting the indemnity bond instead of a Bank Guarantee, where the KWA would undertake road restoration directly and also the GO to permit road cutting during the Defect Liability Period
- ◆ Land Issues:
 - Land registration completed for the proposed land of OHSR in Kottarakkara Municipality.
 - Guruvayur- Permissive sanction for 10 cents of land and land for laying pipes to OHSR required. Guruvayur Devaswom provided the permissive sanction based on the condition that Guruvayur Devaswom should get water from KWA free of cost.
- ◆ Capacity Building Program: A three-day residential training program focused on "Personal Excellence to Professional Excellence" was held at Tea County, Munnar, for AMRUT officials from November 13 to November 16, 2024. The program employed an innovative approach, incorporating experiential learning through both indoor and outdoor activities. By participating in hands-on, experience-based exercises, individuals and teams gained a deeper understanding of themselves, their motivations, and how to effectively collaborate within team environments. These exercises covered key areas such as Leadership, Team Management, Communication & Interpersonal Skills, Time Management, and Motivation, helping participants develop the ability to adapt, grow, and succeed as teams. The training sessions encompassed both management skills and technical aspects.

Decision: *The committee took note of the action taken.*

Agenda Item No. 9.4: WATER SUPPLY PROJECTS

Agenda Item No.9.4.1: ADMINISTRATIVE SANCTION OF WATER SUPPLY PROJECT- AMRUT 2.0 - WSS TO ERATTUPETTA MUNICIPALITY- ZONE1; PHASE- 1 UNDER SWAP 2 OF THE ERATTUPETTA ULB

Action Taken:

- ◆ In the 13th SLTC Meeting, the KWA agreed to issue the TS before the end of January 2025.
- ◆ Technical Sanction has been issued by the KWA.

Decision: *The committee took note of the action taken.*

Agenda Item No.9.4.2: CANCELLATION & REPLACEMENT OF WATER SUPPLY PROJECTS UNDER SWAP 1&2 OF THE THRISSUR CORPORATION

Action Taken:

- ◆ In the 13th SLTC Meeting, KWA agreed for issuing the TS before the 25th January 2025.
- ◆ Technical Sanction is yet to be issued by the KWA.

Decision: *KWA was instructed for issuing the technical sanction at the earliest.*

Agenda Item No.9.4.3: AMRUT 2.0- -WATER SUPPLY SECTOR – REVISION OF ADMINISTRATIVE SANCTION FOR 6 PROJECTS

Action Taken: Government Order revising the AS for 6 water supply projects were issued vide G.O.(Rt) No.2021/2024/LSGD dated 23.10.2024. Agreement has been executed for all works

Decision: The committee took note of the action taken.

Agenda Item No.9.4.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III - SWAP-3 WATER SUPPLY PROPOSALS

Action Taken:

- ◆ The APEX Committee of MoHUA in its 11th meeting held on 23rd September 2024 approved the SWAP 3 of AMRUT for 72 water supply projects for a project cost of ₹ 583.166 Cr. (CAPEX- ₹ 552.480 Cr., OPEX- ₹30.686 Cr.) CA-₹ 249 Cr., State share- ₹ 209.97 Cr. and ULB share-₹ 124.20 Cr. with an excess Central Assistance of ₹ 19.86 Cr, that needs to be borne by the State.
- ◆ Administrative sanction has been issued vide G.O.(Rt)No.2263/2024/LSGD dated 22.11.2024 for the 61 proposals for a project cost of ₹ 470.779 Cr. (CAPEX- ₹ 446.6873 Cr., OPEX- ₹24.092 Cr) (excluding 8 Nos, 24X7 WS proposals, two proposals from the Parappanangadi, & Nilambur Municipalities, for which NOCs are pending for land, and one Micro water supply scheme of Valanchery)
- ◆ Technical Sanction is to be issued by the KWA.
- ◆ Detailed project reports for the 8 Nos 24X7 water supply projects and feasibility reports are pending with the KWA.
- ◆ A part of the DPR of Micro Water supply scheme for Valanchery Municipality has been received. AS proposal is included in this Agenda.
- ◆ NOCs are still pending for land for Parappanagdi from the Fisheries Department. and for Nilambur Municipalities from the Forest Dept.

13th SLTC Recommendation:

- ◆ The 13th SLTC meeting instructed KWA to issue Technical Sanctions (TS) for the 61 works for which Administrative Sanctions have been granted. KWA informed the Committee that Detailed Project Reports for the 24/7 Water Supply (WS) projects are under preparation. DPRs for Alappuzha and Kannur have been completed, and the remaining DPRs of 24/7 are expected to be finalized by the end of January 2025.
- ◆ The Mission Director was directed to address the issues of Nilambur Municipality related to the Forest Department by coordinating with the Divisional Forest Officer (DFO).

Application for constructing an OHSR in Nilambur forest land on Parivesh portal - FP/KL/WATER/454739/2023- is with the Principal Chief Conservator Forests.

Decision: The Committee instructed KWA to issue Technical Sanctions (TS) for the 61 works immediately.

Agenda Item No.9.5: SEWERAGE & SEPTAGE SECTOR - APPROVAL OF STATE WATER ACTION PLAN - TRANCHE III

Action Taken:

- ◆ The Apex Committee of MoHUA in its 11th meeting held on 23rd September 2024 approved all the SWAP-3 Sewerage and Septage Sector proposals (31 nos., Total: Rs.652.966 Cr., Capex: Rs.592.150 Cr. & Opex: Rs.60.816 Cr.) submitted to them. The details of the approved SWAP-3 proposals are as follows:
 - Kannur Corporation – 1 no.: Rs.140.000 Cr. (Capex: Rs.124.000 Cr. & Opex: Rs.16.000 Cr.)
 - Kozhikode Corporation – 1 no.: Rs.143.160 Cr. (Capex: Rs.133.160 Cr. & Opex: Rs.10.000 Cr.)
 - Palakkad Municipality - 1 no.: Rs.0.425 Cr. (Capex: Rs.0.400 Cr. & Opex: Rs.0.025 Cr.)
 - Guruvayur Municipality – 1 no.: Rs.25.15 Cr. (Capex: Rs.21.000 Cr. & Opex: Rs.4.150 Cr.)
 - Thrissur Corporation – 2 nos.: Rs.118.880 Cr. (Capex: Rs.109.060 Cr. & Opex: Rs.9.820 Cr.)
 - Kochi Corporation – 2 nos.: Rs.32.583 Cr. (Capex: Rs.31.634 Cr. & Opex: Rs.0.949 Cr.)
 - Alappuzha Municipality – 2 nos.: Rs.68.760 Cr. (Capex: Rs.65.552 Cr. & Opex: Rs.3.208 Cr.)
 - Kollam Corporation – 3 nos.: Rs.99.920 Cr. (Capex: Rs.84.261 Cr. & Opex: Rs.15.659 Cr.)
 - Thiruvananthapuram Corporation – 18 nos.: Rs.24.089 Cr. (Capex: Rs.23.084 Cr. & Opex: Rs.1.005 Cr.)
- ◆ The feasibility report of the KWA proposals of Guruvayur Municipality (1 no.) and Kannur Corporation (1 no.) are to be provided by the Head Office of KWA.
- ◆ The DPRs of the proposals of Alappuzha Municipality (1 no.), Guruvayur Municipality (1 no.), Palakkad Municipality (1 no.), Kozhikode Corporation (1 no.), and Kannur Corporation (1 no.) are to be submitted by the respective ULBs.
- ◆ The details as per the DPRs received for the proposals of Thiruvananthapuram Corporation (18 nos.), Kollam Corporation (3 nos.), Alappuzha Municipality (1 no.) and Kochi Corporation (2 nos.) are placed in this SHPSC as Agenda Item No.10.4 for approval of administrative sanction.

Decision: The committee took note of the action taken.

Agenda Item No. 9.6: REJUVENATION OF WATERBODY PROJECTS/ GREEN SPACES AND PARKS PROJECTS

Agenda Item No.9.6.1: ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS UNDER SWAP-2

Action Taken: The Administrative sanction has been issued vide G.O (Rt) No. 2041/2024/LSGD dated 26/10/24.
Decision: The committee took note of the action taken.
Agenda Item No.9.6.2: CANCELLATION OF WATERBODY REJUVENATION PROJECTS APPROVED UNDER THE 2nd TRANCHE OF SWAP AND REPLACEMENT WITH NEW PROJECTS:
Action Taken: The Govt. Order has been issued vide. G.O.(Rt)No.2038/2024/LSGD dated 26-10-2024.
Decision: The committee took note of the action taken.
Agenda Item No.9.6.3: AMRUT 2.0- REVISION OF ADMINISTRATIVE SANCTION FOR TWELVE PROJECTS
Action Taken: The Govt. Order has been issued vide G.O (Rt) No. 2046/2024/LSGD dated 28/10/24
Decision: The committee took note of the action taken.
Agenda Item No.9.6.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III- SWAP-3 PROPOSALS
Action Taken: The APEX Committee of MoHUA in its 11th meeting held on 23.09.2024 approved the SWAP 3 of AMRUT for Rejuvenation of Water bodies and Parks.
Decision: The committee took note of the action taken.
Agenda Item No. 9.7: GENERAL AGENDA
Agenda Item No. 9.7.1: AMRUT MITRA
Action Taken: A detailed Agenda on AMRUT MITRA progress is included in this meeting.
Decision: The committee took note of the action taken.
Agenda Item No.9.7.2: 24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF THE STATE-LEVEL TASK FORCE
Action Taken: The State Level Task Force (STF) on DFT has been reconstituted vide G.O.(Rt)No.1901/ 2024/LSGD dated 14.10.2024.
Decision: The committee took note of the action taken.
Agenda Item No.9.7.3: SELECTION OF THE PROJECT DEVELOPMENT MANAGEMENT CONSULTANCY
Action Taken: Government order issued vide G.O.(Rt)No.2036/2024/LSGD dated 26.10.2024 canceling the PDMC services for AMRUT 2.0 as they are no longer necessary due to reduced project scope.
Preparation of the Urban Aquifer Management Plan for AMRUT 1.0 cities by inviting bids from accredited agencies of Central Ground Water Authority (CGWA):
<ul style="list-style-type: none"> ● The draft RFP (Request for Proposal) document is under preparation with a broad outline of the scope, objectives, technical requirements, deliverables, and eligibility criteria for managing urban aquifers in AMRUT- 1 cities. The same will be completed in a week's time. ● A committee has to be formed for Vetting out the RFP document before publication. The proposed members for vetting out the RFP document for its refinement shall be AMRUT official, State Groundwater Department (state-specific groundwater management expertise), Regional Director, Central Groundwater Board (CGWB) (national-level policy and groundwater resource expertise), Kerala Water Authority (KWA) (Regional water utility management) and Chief Engineer, Local Self-Government Department (CE, LSGD) (local governance and infrastructure development). ● The proposed committee will review, vet out, and approve the RFP document, once this process is completed, the finalized document will be published in national dailies and possibly on relevant government and public procurement portals Inviting Competitive Bidders ensuring a competitive and transparent bidding process, attracting capable bidders with expertise in urban aquifer management and with accreditation from Central Groundwater Authority. ● Once the proposals are received from various competent consultants, the same will be scrutinized and evaluated based on predefined criteria, such as technical expertise, financial viability, technical expertise, innovative solutions etc. based on the Quality- and Cost-Based Selection (QCBS) procurement approach for selecting of the consultants towards the proposed Urban aquifer management study in AMRUT 1 cities.
IEC activities to be arranged separately through consultants: MoHUA has directed to engage the Technical Support Unit for AMRUT 2.0. IEC activities will be carried out by the Technical Support Unit.
PDMC related Activities 1, 2, & 3:
<ul style="list-style-type: none"> ● MoHUA has advised to immediately bring the Technical Support Unit to support the proposed initiative, for which draft RFP has been prepared. ● MoHUA has advised engaging a Technical supporting Unit to provide overall technical support in the activities

related to IEC, 24/7 Water supply projects, NRW reduction, etc. since a PDMC is not engaged

13th SLTC Recommendation:

- The draft RFP document towards Urban aquifer management plan shall be vetted out by the aforesaid committee prior to advertising in national dailies and relevant government and public procurement portal inviting competitive bidders.
- The payment to the TSU will be made based on the specific works assigned, rather than on a man-month basis.

1st draft of the RFP document for the Urban aquifer management plan is completed.

Decision:

- ◆ *The Committee accorded sanction to the constitution of the RFP Appraisal committee for Vetting the draft RFP document towards the Urban aquifer management plan followed by the selection of competent Consultants for execution of the proposed activity.*
 - Regional Director, Central Groundwater Board (CGWB),
 - Chief Engineer, Local Self-Government Department (CE, LSGD),
 - Representative of the State Groundwater Department,
 - Representative of Kerala Water Authority (KWA) and
 - AMRUT official
- ◆ *The Committee has accorded Sanction to appoint a Technical Support Unit (TSU). The payment to the TSU should be made based on the specific works assigned and on NICS1-approved rates.*
- ◆ *Mission Director AMRUT has been entrusted to prepare and Vet the RFP for the same.*

Agenda Item No.9.7.4: AMRUT 2.0 CAPACITY BUILDING PROGRAMME- AUTHORIZE THE MISSION DIRECTOR OF AMRUT TO APPROVE AIR TRAVEL FOR THE OFFICIALS ATTENDING AMRUT-RELATED PROGRAMS

Action Taken: The Government Order has been issued vide G.O (Rt) No.2145/2024/LSGD dated 09-11-2024.

Decision: The committee took note of the action taken.

Agenda Item No.9.7.5: SETTING UP OF ADDITIONAL OFFICE SPACE FOR SMMU: REVISION OF ADMINISTRATIVE SANCTION

Action Taken: The Government Order has been issued vide G.O (Rt) No. 2048//2024/LSGD dated 28/10/24.

Decision: The committee took note of the action taken.

Agenda Item No.9.8: SUB SCHEME 'FORMULATION OF GIS BASED MASTER PLANS FOR CLASS II TOWNS UNDER AMRUT 2.0'

Agenda Item No.9.8.1: APPOINTMENT OF PLANNER CONSULTANT AND PLANNER ASSOCIATES UNDER THE SCHEME OF FORMULATION OF GIS-BASED MASTER PLANS FOR 49 AMRUT 2.0 TOWNS

Action Taken:

- The Government Order has been issued vide G.O(Rt)No.64/2025/LSGD dated 07.01.2025.

Decision: The committee took note of the action taken.

Agenda Item No.10.3: PROGRESS OF AMRUT 2.0:

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is ₹ 3495 Cr. with Central Assistance of ₹ 1374 Cr.

- The 4th APEX committee meeting had approved the 1st Tranche of the State Water Action Plan (SWAP-1)-180 projects for an amount of ₹1709.05 Cr. (CAPEX - ₹1626.86 Cr. & OPEX - ₹ 82.19 Cr.).
- The 6th APEX committee held on 04.01.2023 approved the 2nd Tranche of the State Water Action Plan (SWAP -2)-261 projects for an amount of ₹695.39 Cr. (CAPEX – ₹ 646.97 Cr. & OPEX – ₹ 48.42 Cr., inclusive of Special Tranche for Water Body Rejuvenation).
- The 11th APEX committee held on 23.09.2024 approved the 3rd Tranche of the State Water Action Plan (SWAP -3)-299 projects for an amount of ₹ 1338.99 Cr. (CAPEX – ₹1240.35 Cr. & OPEX – ₹ 98.63 Cr.).
- The total SWAP approved under tranches 1, 2 & 3 amounting to ₹3,743.43Cr. (CAPEX - ₹3,514.181 Cr. & OPEX - ₹229.15 Cr.) for 740 projects. Central Assistance- ₹1399.735 Cr. (₹25.735 Cr. excess from the allocated CA-₹1374 Cr.), State share- ₹1278.167 Cr., ULB Share- ₹1061.983 Cr. & 15th FC

grant- ₹3.539 Cr.

10.3.1. AMRUT 2.0 - OVERVIEW: Tranches 1, 2 & 3

SECTOR	Nos	TOTAL COST (Cr)	CAPEX (Cr)	OPEX (Cr)	CA (Cr)	State share (Cr)	ULB share (Cr)	FC GRANT (Cr)	Tender Excess approved	
									State share	ULB share
Water Supply	251	2413.650	2291.248	122.310	971.776	852.158	586.377	3.363	5.860	5.860
Sewerage	45	1143.980	1049.953	94.010	353.454	361.883	428.634	0.000		
Water body	371	145.080	136.580	8.500	58.013	50.267	36.633	0.145	0.04252	0.04252
Park	73	40.720	36.400	4.330	16.492	13.859	10.340	0.032		
TOTAL	740	3743.43	3514.181	229.150	*1399.735	1278.167	1061.983	3.539	5.90252	5.90252

*Allocated CA- 1374 Cr.

10.3.2. PROJECT PROGRESS-SECTOR-WISE AS ON 03.02.2025 (Tranches 1&2):

Sector	Main Projects		AS Issued		Sub Projects	TS Issued		NIT Issued		Awarded		Started (Nos)	Completed (Nos)	Expenditure (₹ Cr)	Expenditure %
	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)		Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)				
WS	154	1735	154	1681	278	252	1416	249	1297	225	909	209	47	309	18.39
SEW	14	484	14	458	38	34	270	33	260	31	86	26	13	10	2.29
WBR	248	78	239	69	251	232	63	227	57	203	68	159	61	13	18.37
MWS	25	48	16	31	25	13	28	13	28	7	2	5	0	1	2.46
Total	441	2345	423	2238	592	531	1778	522	1642.7	466	1064	399	121	333	14.87

*3 projects need cancellation

10.3.3. PENDENCY (As on 03.02.2025):

Project Type	AS PENDING	TS PENDING	NIT PENDING	AWARD PENDING	NOT STARTED	Work Stalled	TOTAL
Micro Water Supply	7	3	0	6	2	0	18
Sewerage/Septage Management	0	4	1	2	5	1	13
Water Body Rejuvenation	8	10	5	24	44	16	107
Water Supply	0	26	3	24	16	1	70
Grand Total	15	43	9	56	67	18	208

10.3.4. PROGRESS ACHIEVED SINCE 9th SHPSC (As on 02.08.2024)

Progress	Total Projects (No.)	AS Issued (No.)	Sub Projects (No.)	TS Issued (No.)	NIT Issued (No.)	Awarded (No.)	Completed (No.)	Expenditure (₹ Cr.)	Expenditure %
Last SHPSC (02.08.2024)	452	416	548	495	480	392	17	240.68	10.88
As on 31.01.2025	441*	423	592	531	522	466	121	333	14.87
Progress	(-) 15	6	44	36	42	74	104	92.32	3.99

* To fully utilize the remaining funds available under AMRUT-1.0, the 35th SHPSC of AMRUT 1.0 has decided to shift the 41 works (WS-29 & SEW-12) worth ₹ 193.569 Cr. in 9 AMRUT Cities from AMRUT-2.0 to AMRUT-1.0 and some works have been cancelled. Hence the approved SWAP size has been reduced. 11th APEX committee approved the same.

10.3.5. FINANCIAL PROGRESS:

Category	Central	State	ULB	Total
Released Amount (₹ Cr.)	148.74	132.64	103.31	384.69

Expenditure (₹ Cr.)	143.63	121.44	62.70	327.77
Balance Amount in SNA (₹ Cr.)	5.11	11.20	40.61	56.92

Nearly 40 road-cutting permissions are pending with the PWD due to delays in issuing Government Orders from the PWD and Finance Departments regarding 1) the substitution of the Bank Guarantee (BG) with an indemnity bond for AMRUT projects, where the Kerala Water Authority (KWA) will directly undertake road restoration and 2) Government order permitting road cutting during the Defect Liability Period (DLP). These delays significantly impact approximately 20 water supply projects under AMRUT 1.0 and AMRUT 2.0.

10.3.6. Capacity Building:

The ongoing Capacity Building Program under AMRUT 2.0, is currently underway in 93 ULBs across Kerala. We have entered into a Memorandum of Understanding (MoU) with esteemed 4 Training Institutes to facilitate the smooth execution of these training sessions.

To actively involve the SHGs in the water sector nationwide, a collaborative effort called 'AMRUT Mitra' is being taken up by MoHUA in partnership with NULM by engaging SHGs for water quality testing and infrastructure management. Subsequently, MoHUA has issued a D.O letter, and a guideline for an advisory titled "Strengthening Water Quality Monitoring in Cities through Community Participation" has been formulated under AMRUT 2.0 which aims to strengthen the institutional capacity for citywide monitoring of drinking water quality in urban areas along with Digital Display Boards for water quality parameters for public information & awareness.

- In line with these, 3 regional wise training has been conducted for the SHGs of Kudumbasree on Water Quality Testing with the support of WASH Institute and SCMS College, Kochi. 224 SHG members have participated in the 3-day residential training sessions conducted region wise in Trivandrum, Thrissur and Kozhikode.
- As part of the AMRUT 2.0 GIS based Master plan under AMRUT 2.0, a workshop has been organized for the Chairpersons, Secretaries and Engineers of 49 AMRUT 2.0 cities.
- A training cum exposure visit to understand the initiatives on Urban planning and blue green infrastructure development at Ahmedabad has been organized for the officials of Town Planning Department.

10.3.7. Water Quality App:

Mobile App for updating data (Sample collection & Test result) and Web Application for managing the entire system have been developed and is function.

10.3.8. SPARSH:

Department of Expenditure, Ministry of Finance, GoI has introduced a new fund flow mechanism named SNA-SPARSH (Real-time System for integrated Quick Transfers) for CSS funds through an integrated network of PFMS, State IFMIS, and e-kuber platform of RBI with a view of ensuring the principles of "Just-in-time release" in respect of all payments and to bring about more efficiency in cash management at both the Centre and State levels. Under SNA-SPARSH, the Center share is released only when the beneficiary incurs an actual expenditure and a claim is raised. The State's account is pre-funded with the Center's share before releasing payment to the end beneficiary by the State Government. Kerala has been notified for on boarding 28 GoI schemes to SNA-SPARSH immediately.

10.3.9. Independent Review and Monitoring (IRMA)

MoHUA has entrusted the National Institute of Urban Affairs (NIUA) as an independent review and monitoring agency (IRMA) of AMRUT 2.0 projects in Kerala. This initiative is part of our commitment to ensuring transparency, accountability, and the successful implementation of the AMRUT 2.0 projects across the state. The outcomes and suggestions put forth by IRMA have to be followed for corrective measures and getting the next course of fund release from MoHUA.

10.3.10. AMRUT 2.0: IEC- Deployment of MTU to Sabarimala pilgrimage Centre)

Under the AMRUT 2.0 IEC initiative, four Mobile Septage Treatment Units (MTUs) have been deployed at

Sabarimala, ensuring efficient and sustainable treatment of septage waste. These units are crucial in maintaining pilgrim centre hygiene, preventing environmental contamination, and promoting a Clean & Greener Sabarimala. Given the massive footfall during the pilgrimage season, proper waste management is essential to safeguard public health and the pristine ecosystem of the region. By implementing advanced septage treatment solutions, AMRUT reinforces its commitment to sustainable urban sanitation, ensuring a cleaner and healthier environment for devotees while upholding the sanctity of this revered pilgrimage

13th SLTC Recommendation:

- ❖ The Committee directed KWA and ULBs to expedite the process and ensure that all works commence at the site before the end of this month. Additionally, the Committee instructed ULBs and KWA to prominently display AMRUT Citizen Information Boards at all ongoing project sites.
- ❖ The Chair observed that the restoration of municipal roads was not included in the estimates of the majority of KWA projects. The Committee emphasized that road restoration is an essential component and directed KWA to ensure that provisions for road restoration are incorporated while preparing estimates. Failure to address this could lead to significant public protests.
- ❖ With respect to the pending Government Orders (GOs) with the Finance Department pertaining to the execution of an indemnity bond instead of a bank guarantee for cases where KWA undertakes road restoration directly, and another to permit road cutting during the Defect Liability Period, the Committee instructed the Joint Secretary of the Finance Department to expedite the issuance of these orders.
- ❖ The Committee noted with concern that a majority of the Corporation Secretaries were absent from the meeting. The Committee expressed its displeasure over the lack of attendance and emphasized the importance of representation and participation in the State Level Committees.
- ❖ The Committee instructed all KWA and ULB officials to utilize the knowledge acquired from training programs effectively and to focus on enhancing the capacity of officials in both ULBs and KWA.

Decision:

The committee took note of the recommendations of the SLTC and decided as follows:

- ❖ *The Committee directed KWA and ULBs to expedite the process and ensure that all works commence at the site before the end of March 2025.*
- ❖ *The Committee instructed ULBs and KWA to prominently display AMRUT Citizen Information Boards at all ongoing project sites.*
- ❖ *The Chair directed KWA to ensure that provisions for road restoration are incorporated while preparing estimates. Failure to address this could lead to significant public protests.*
- ❖ *The Committee noted with concern towards the delay in the commencement of Micro Water Supply projects at site. The Committee directed the Chief Engineer LSGD to assess the delays and implement corrective measures. Additionally, the Committee emphasized the importance of sustainable water sources by source strengthening measures and maintaining water quality standards. The Chair instructed the AMRUT and the ULBs to incorporate the necessary provisions to ensure long-term water security.*
- ❖ *The Committee noted that the Ministry of Housing and Urban Affairs (MoHUA) has entrusted the National Institute of Urban Affairs (NIUA) as the Independent Review and Monitoring Agency (IRMA) to oversee AMRUT 2.0 projects in Kerala.*
- ❖ *The Committee acknowledged that, under the AMRUT 2.0 IEC initiative, four Mobile Septage Treatment Units (MTUs) have been deployed at Sabarimala, ensuring efficient and sustainable septage waste treatment.*
- ❖ *With respect to the pending Government Orders (GOs) with the Finance Department pertaining to the execution of an indemnity bond instead of a bank guarantee for cases where KWA undertakes road restoration directly, and another to permit road cutting during the Defect Liability Period, the Committee instructed the Secretary of PWD to expedite the issuance of these orders.*
- ❖ *Committee acknowledged that the delay in issuing the GO allowing an indemnity bond instead of a bank guarantee, significantly impact approximately 20 water supply/ SEW projects under AMRUT 1.0 and AMRUT 2.0. Hence, the committee decided to utilize AMRUT funds to provide the security deposit amount to KWA for issuing the Bank Guarantee to PWD. KWA should ensure that the payment to the contractor responsible for road restoration is released only after adjusting the amount by deducting the upfront security deposit.*

Agenda Item No.10.4: Administrative Sanction for Sewerage & Septage Sector Projects Under SWAP-3:

Under AMRUT-2.0, projects worth ₹457.81 Cr. (Capex), were approved under SWAP-1 (₹69.56 Cr. - Thiruvananthapuram Corporation) and SWAP-2 (₹388.24 Cr. - Kollam, Kochi and Kozhikode Corporations). Administrative Sanction has been issued for the SWAP-1 and SWAP-2 projects, and these projects are under various stages of implementation. SWAP-3 proposals worth ₹592.15 Cr. (Capex) were submitted to MoHUA for approval through the AMRUT-2.0 online portal on 24.08.2024 for approval. The Apex Committee of MoHUA in its 11th meeting held on 23.09.2024 scrutinized these proposals and the approval of the MoHUA was received on 01.10.2024. The details of the approved SWAP-3 proposals are as follows:

- Kannur Corporation – 1 no.: ₹140.000 Cr. (Capex: ₹124.000 Cr. & Opex: ₹16.000 Cr.)
- Kozhikode Corporation – 1 no.: ₹143.160 Cr. (Capex: ₹133.160 Cr. & Opex: ₹10.000 Cr.)
- Palakkad Municipality – 1 no.: ₹0.425 Cr. (Capex: ₹0.400 Cr. & Opex: ₹0.025 Cr.)
- Guruvayur Municipality – 1 no.: ₹25.15 Cr. (Capex: ₹21.000 Cr. & Opex: ₹4.150 Cr.)
- Thrissur Corporation – 2 nos.: ₹118.880 Cr. (Capex: ₹109.060 Cr. & Opex: ₹9.820 Cr.)
- Kochi Corporation – 2 nos.: ₹32.583 Cr. (Capex: ₹31.634 Cr. & Opex: ₹0.949 Cr.)
- Alappuzha Municipality – 2 nos.: ₹68.760 Cr. (Capex: ₹65.552 Cr. & Opex: ₹3.208 Cr.)
- Kollam Corporation – 3 nos.: ₹99.920 Cr. (Capex: ₹84.261 Cr. & Opex: ₹15.659 Cr.)
- Thiruvananthapuram Corporation – 18 nos.: ₹24.089 Cr. (Capex: ₹23.084 Cr. & Opex: ₹1.005 Cr.).

Administrative Sanctions (AS) are to be issued for the SWAP-3 proposals. The DPRs of the following SWAP-3 proposals worth ₹281.439 Cr. (Capex) were received and were placed in the 13th SLTC for approval of AS.

- Thiruvananthapuram Corporation – 18 nos.: ₹24.088 Cr. (Capex: ₹23.084 Cr. & Opex: ₹1.003 Cr.)
- Kollam Corporation – 3 nos.: ₹99.920 Cr. (Capex: ₹84.443 Cr. & Opex: ₹15.477 Cr.)
- Alappuzha Municipality – 1 no.: ₹68.000 Cr. (Capex: ₹64.852 Cr. & Opex: ₹3.148 Cr.)
- Thrissur Corporation – 2 nos.: ₹118.880 Cr. (Capex: ₹109.060 Cr. & Opex: ₹9.820 Cr.)

13th SLTC Recommendation:

The committee decided to recommend the following to the SHPSC.

- ❖ *Approval of Administrative Sanction for 22 projects (Thiruvananthapuram Corporation-18, Kollam Corporation-3 & Alappuzha Municipality-1) worth ₹192.008 Cr. (Capex: ₹172.379 Cr. & O&M: ₹19.628 Cr.) subject to the following conditions.*
 - *Justification shall be submitted by the concerned implementing agency for the projects that are having more than ₹1 lakh cost per beneficiary.*
 - *The amounts set aside for the supply and installation of AC units and CCTV camera units shall be utilized for works, as the same can't be considered under AMRUT-2.0.*
 - *The amounts included in the DPRs by KWA as DPR Charges/ Supervision Charges shall be utilized for works, as the same cannot be accepted since the assets created through the projects are coming under KWA and since the sewerage works are mandated works of KWA.*
 - *In the case of the projects where the Capex cost as per the DPR exceeds the Capex cost as per SWAP, the excess amount required shall be borne by the concerned ULB.*
- ❖ *In the case of the project of Thrissur Corporation where there is public protest, the ULB shall resolve the public protest or identify alternative land or submit a replacement sewage/septage management project by 31.03.2025; otherwise, the SWAP amount set aside for the project will be reallocated for the approved projects in the buffer list.*
- ❖ *In the case of the project of Thrissur Corporation, where the clearance for the proposed land for the STP has been rejected by the Agriculture Dept., the ULB shall identify alternative land or obtain permission from the Agriculture Dept. or submit a replacement sewage/septage management project by 31.03.2025; otherwise, the SWAP amount set aside for the project will be reallocated for the approved projects in the buffer list.*

As a result, the following two projects of Thrissur Corporation are not placed in this SHPSC as action has to be taken by the ULB to comply with the decisions taken by the 13th SLTC.

- Decentralized Sewerage Scheme for Thrissur Corporation (2.5 MLD STP at Kokkala) - Capex Cost: ₹ 64.200 Cr., O&M Cost: ₹ 6.000 Cr., Total Cost: ₹ 70.200 Cr.
- 5 MLD Sewerage Scheme for Thrissur Corporation Poonkunnam - Kottapuram area (STP at Kottapuram) - Capex Cost: ₹ 44.860 Cr., O&M Cost: ₹ 3.820 Cr., Total Cost: ₹ 48.680 Cr.

As per the letter dated 11.01.2025 (no. KWA-JB/5566/2024-AE 10) the Managing Director, KWA has provided the following justifications for the projects with more than ₹1 lakh cost per beneficiary.

KWA's Justification for the Projects in Thiruvananthapuram Corporation with More Than ₹ 1 Lakh Cost Per Beneficiary:

- The projects in Trivandrum primarily focus on rejuvenation activities, including replacing old and damaged pipes, raising manholes, and rectifying sewer networks. Due to the nature of these works, maintaining a uniform cost per household benefitted is not feasible.
- The sewerage lines are designed for gravity flow, which requires varying cutting depths depending on the terrain to ensure proper slope. Factors such as high water tables, varying soil conditions, the nature of road restoration, and the density of connections also significantly impact the estimates, leading to considerable variations. Consequently, a uniform cost assessment based on average rates is neither practical nor realistic.
- It is also important to note that in certain stretches, pipelines must be laid along roads where there are no households on either side. These stretches, although not serving immediate connections, are critical as they connect different sections of the sewer network. The cost per capita for such stretches will naturally be higher. However, when considering the total cost of network laying and the overall population benefitted, the per-connection cost will be significantly reduced, justifying the expenditure.
- Also, it may be noted that in some of the DPR prepared for SWAP 3 projects, the benefitted number noted are household benefitted, but by mistake, it was described as population benefitted.
- However, when considering the total cost of all proposals under Trivandrum, the per-household cost will come within the limit. The revised HH benefitted and per HH cost for works under Trivandrum corporation is attached below.

KWA's Justification for the Projects in Kollam Corporation with More Than ₹ 1 Lakh Cost Per Beneficiary:

- The project (Asramom Package) is located within city limits, where roads are highly congested.
- Although the network area primarily serves commercial establishments, the essential sewerage components such as lifting stations, wet wells, pump sets, electromechanical items, and screen chambers cannot be reduced, as they are critical and remain consistent across all zones, leading to a similar capital cost irrespective of the number of households served.
- Notably, this zone has a higher concentration of commercial buildings compared to other zones, resulting in fewer households. Consequently, the per-household cost exceeds ₹ 1 lakh.
- However, when considering the population benefitting from the commercial buildings, and also the total network laying cost and the population benefitted, the per-connection cost is less than ₹ 1 lakh.
- It is also important to note that this work was originally included under AMRUT 1.0 but could not be executed due to a lack of bidder participation. The project has since been transferred to AMRUT 2.0 and is now crucial, as the 12 MLD Sewage Treatment Plant (STP) at Kureepuzha is nearing completion.

The details of the 22 SWAP-3 proposals recommended by the 13th SLTC, inclusive of the corrected beneficiary household numbers of the projects of Thiruvananthapuram Corporation provided by the KWA, are as follows.

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted (₹)	HH Benefitted - Corrected (No.)	Cost per HH Benefitted - Corrected (₹)
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
1	Thiruvananthapuram	Replacing existing 150 mm SW pipes with 300 mm SW pipe and construction of new manholes from Decent Mukku Junction to Pump House Road ♦ SWAP Capex: ₹1.281 Cr. ♦ SWAP O&M: ₹0.038 Cr. ♦ SWAP Total: ₹1.319 Cr. ♦ Agency: KWA	1.281	0.038	1.319	♦ Sewer Network: 338 m ♦ Manhole Work: 25 nos. ♦ Road Restoration	300	43981	300	43981
2	Thiruvananthapuram	Urgent rectification of sewerage network by replacement of damaged 150 mm SW pipes with 300 mm SW pipes and construction of new manholes from Mudavanmugal Junction (near RC Church) to Decent Mukku Junction ♦ SWAP Capex: ₹1.480 Cr. ♦ SWAP O&M: ₹0.044 Cr. ♦ SWAP Total: ₹1.524 Cr. ♦ Agency: KWA	1.480	0.044	1.524	♦ Sewer Network: 347 m ♦ Manhole Work: 15 nos. ♦ Road Restoration	100	152440	400	38110
3	Thiruvananthapuram	Urgent rectification of sewerage network by replacement of damaged 150 mm SW pipes with 200 mm SW Pipe and 250 mm SW pipe & construction of new manholes from Kunnu Bungalow to Mudavanmugal Junction ♦ SWAP Capex: ₹2.150 Cr. ♦ SWAP O&M: ₹0.065 Cr. ♦ SWAP Total: ₹2.215 Cr. ♦ Agency: KWA	2.150	0.065	2.215	♦ Sewer Network: 450 m ♦ Manhole Work: 25 nos. ♦ Road Restoration	600	36908	600	36908
4	Thiruvananthapuram	Replacement of existing damaged sewerage main from NC Hospital Junction to Kannettumukku Junction with 300 mm SW pipe (under Sewerage Section Kuriathy) ♦ SWAP Capex: ₹1.900 Cr. ♦ SWAP O&M: ₹0.057 Cr. ♦ SWAP Total: ₹1.957 Cr. ♦ Agency: KWA	1.900	0.057	1.957	♦ Sewer Network: 566 m ♦ Manhole Work: 29 nos. ♦ Road Restoration	63	313120	250	78280
5	Thiruvananthapuram	Reconstruction of old dilapidated brick manholes, construction of new sewerage manholes, raising of manhole covers & supplying CI manhole covers in Pottakuzhy -	0.750	0.023	0.773	♦ Sewer Network: 187 m ♦ Manhole Work: 50 nos. ♦ Road Restoration	50	154600	600	12883

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted	HH Benefitted - Corred	Cost per HH Benefitted -
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
		Mulavana road stretch ❖ SWAP Capex: ₹0.750 Cr. ❖ SWAP O&M: ₹0.023 Cr. ❖ SWAP Total: ₹0.773 Cr. ❖ Agency: KWA								
6	Thiruvananthapuram	Supply, erection & commissioning of various pump sets & other necessary equipment for 107 MLD Sewage Treatment Plant at Muttathara ❖ SWAP Capex: ₹2.865 Cr. ❖ SWAP O&M: ₹0.143 Cr. ❖ SWAP Total: ₹3.009 Cr. ❖ Agency: KWA	2.865	0.143	3.009	❖ Non-clog pump set (75 hp) for RAS: 6 nos. ❖ Non-clog pump set (3 hp) for WAS: 1 no. ❖ Dewatering pump (5 hp) for RAS: 1 no. ❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no. ❖ Motorized Chain Pulley Block (2t) for Inlet Well: 1 no. ❖ Soft Starter for MCC unit: 16 nos. ❖ Pumping line from Septage Receiving Station to Inlet Chamber: 500 m ❖ CCTV Camera Unit: 1 no. ❖ AC units (1.5/2 t) for Admin Building: 9 nos.	50479	596	63300	475
7	Thiruvananthapuram	Reconstruction of old dilapidated brick and RCC manholes with RCC and raising manhole covers to road level and replacing RCC cover slab with CI cover (under Sasthamangalam Section) ❖ SWAP Capex: ₹0.951 Cr. ❖ SWAP O&M: ₹0.048 Cr. ❖ SWAP Total: ₹0.999 Cr. ❖ Agency: KWA	0.952	0.048	1.000	❖ Sewer Network: 42 m ❖ Manhole Work: 30 nos. ❖ Road Restoration	250	39984	250	39984
8	Thiruvananthapuram	Raising of manhole at Vivekananda Nagar, Sastha Nagar, Chadiyara Poojappura area in connection with commissioning of Jagathy Kootamvila Scheme and laying new sewer branch line towards Sastha Nagar SRA 144A to 144B ❖ SWAP Capex: ₹3.080 Cr. ❖ SWAP O&M: ₹0.154 Cr. ❖ SWAP Total: ₹3.234 Cr. ❖ Agency: KWA	3.080	0.154	3.234	❖ Sewer Network: 58 m ❖ Manhole Work: 346 nos. ❖ Road Restoration	1200	26950	1200	26950
9	Thiruvananthapuram	Replacing and upgrading of old and damaged sewer line at Jagathy CS Road ❖ SWAP Capex: ₹0.448 Cr. ❖ SWAP O&M: ₹0.024 Cr. ❖ SWAP Total: ₹0.472 Cr. ❖ Agency: KWA	0.448	0.022	0.470	❖ Sewer Network: 362 m ❖ Manhole Work: 15 nos. ❖ Road Restoration	63	75232	250	18808
10	Thiruvananthapuram	Replacing and upgrading of old and damaged sewer line	1.386	0.069	1.455	❖ Sewer Network: 728 m ❖ Manhole Work: 32 nos.	125	116408	500	29102

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted	HH Benefitted - Corrected	Cost per HH Benefitted - Corrected
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
	uram	Through NB Street and NSS Karayogam of Jawahar Nagar in Kowdiar Ward ❖ SWAP Capex: ₹1.386 Cr. ❖ SWAP O&M: ₹0.069 Cr. ❖ SWAP Total: ₹1.455 Cr. ❖ Agency: KWA				❖ Road Restoration				
11	Thiruvananthapuram	Replacing old and damaged sewer line in Kunnukuzhy RC Street ❖ SWAP Capex: ₹1.030 Cr. ❖ SWAP O&M: ₹0.052 Cr. ❖ SWAP Total: ₹1.082 Cr. ❖ Agency: KWA	1.030	0.052	1.082	❖ Sewer Network: 243 m ❖ Manhole Work: 18 nos. ❖ Road Restoration	100	108150	100	108150
12	Thiruvananthapuram	Providing new sewer lines in Meleveedu Madan Kovil & Kukiliar Lane from House No. KLRA-80 to KLRA-125 in Jagathy Ward ❖ SWAP Capex: ₹0.348 Cr. ❖ SWAP O&M: ₹0.017 Cr. ❖ SWAP Total: ₹0.365 Cr. ❖ Agency: KWA	0.348	0.017	0.365	❖ Sewer Network: 210 m ❖ Manhole Work: 11 nos. ❖ Road Restoration	63	584640	250	146160
13	Thiruvananthapuram	Providing new sewer lines in Idavakkadu Lane at Vikramapuram Hill and Kalathilpuzha Lane in Kanjirampara ❖ SWAP Capex: ₹0.606 Cr. ❖ SWAP O&M: ₹0.030 Cr. ❖ SWAP Total: ₹0.637 Cr. ❖ Agency: KWA	0.606	0.030	0.637	❖ Sewer Network: 364 m ❖ Manhole Work: 20 nos. ❖ Road Restoration	30	212200	250	254640
14	Thiruvananthapuram	Replacing old and damaged sewer line at Althara Main Street and street in front of Heera Blueberry ❖ SWAP Capex: ₹0.652 Cr. ❖ SWAP O&M: ₹0.033 Cr. ❖ SWAP Total: ₹0.685 Cr. ❖ Agency: KWA	0.652	0.033	0.685	❖ Sewer Network: 374 m ❖ Manhole Work: 15 nos. ❖ Road Restoration	63	109520	250	273800
15	Thiruvananthapuram	Providing sewer line near Udara Siromani Janardhanan Pillai Road in Vazhuthacaud Ward ❖ SWAP Capex: ₹0.279 Cr. ❖ SWAP O&M: ₹0.014 Cr. ❖ SWAP Total: ₹0.293 Cr. ❖ Agency: KWA	0.279	0.014	0.293	❖ Sewer Network: 177 m ❖ Manhole Work: 9 nos. ❖ Road Restoration	63	468000	250	117000
16	Thiruvananthapuram	Providing new sewer line in Housing Board Colony in Kuravankonam ❖ SWAP Capex: ₹0.644 Cr. ❖ SWAP O&M: ₹0.032 Cr. ❖ SWAP Total: ₹0.676 Cr.	0.644	0.032	0.676	❖ Sewer Network: 364 m ❖ Manhole Work: 20 nos. ❖ Road Restoration	63	108160	250	270400

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted	HH Benefitted - Corred	Cost per HH Benefitted -
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
		♦ Agency: KWA								
17	Thiruvananthapuram	Providing new sewer line at Vinayaka Nagar towards Arappura area ♦ SWAP Capex: ₹2.309 Cr. ♦ SWAP O&M: ₹0.115 Cr. ♦ SWAP Total: ₹2.425 Cr. ♦ Agency: KWA	2.309	0.115	2.425	♦ Sewer Network: 863 m ♦ Manhole Work: 44 nos. ♦ Road Restoration	125	193976	500	48494
18	Thiruvananthapuram	Providing new sewer line and replacing and upgrading of old and damaged sewer line from Ambalamukku Vrindavan Gardens to Oolampara Junction for rectifying sewage overflow near Ambalamukku Sree Krishna Temple ♦ SWAP Capex: ₹0.925 Cr. ♦ SWAP O&M: ₹0.046 Cr. ♦ SWAP Total: ₹0.971 Cr. ♦ Agency: KWA	0.925	0.046	0.971	♦ Sewer Network: 380 m ♦ Manhole Work: 20 nos. ♦ Road Restoration	63	155312	250	38828
Sub Total: Thiruvananthapuram ♦ SWAP Capex: ₹23.084 Cr. ♦ SWAP O&M: ₹1.005 Cr. ♦ SWAP Total: ₹24.089 Cr. ♦ Agency: KWA – 18 nos.			23.084	1.005	24.088	♦ Sewer Network: 6053 m ♦ Manhole Work: 724 nos. ♦ Road Restoration ♦ Non-clog pump set (75 hp) for RAS: 6 nos. ♦ Non-clog pump set (3 hp) for WAS: 1 no. ♦ Dewatering pump (5 hp) for RAS: 1 no. ♦ Pump set (15 hp) for Chlorine Contact Tank: 1 no. ♦ Motorized Chain Pulley Block (2 t) for Inlet Well: 1 no. ♦ Soft Starter for MCC unit: 16 nos. ♦ Pumping line from Septage Receiving Station to Inlet Chamber: 500 m ♦ CCTV Camera Unit: 1 no. ♦ AC units (1.5/2 t) for Admin Building: 9 nos.	53800	4477	69750	3453
19	Kollam	Rehabilitation of existing sewerage system and extension of sewerage system for Zone A1 Part II KLM SS-02 and commissioning of Asramom pumping station (balance works) ♦ SWAP Capex: ₹32.136 Cr. ♦ SWAP O&M: ₹5.244 Cr. ♦ SWAP Total: ₹37.380 Cr. ♦ Agency: KWA	32.318	5.062	37.380	♦ Sewer Network: 13408 m ♦ Pumping Main: 761 m ♦ Pumping Station: 1 no. ♦ Manhole Work: 500 nos. ♦ Sewer Connection: 2301 nos. ♦ Road Restoration	2301	162451	2301	162451
20	Kollam	Rehabilitation of existing sewerage system and	24.756	5.244	30.000	♦ Sewer Network: 5887 m ♦ Pumping Main: 660 m	3275	91603	3275	91603

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted	HH Benefitted - Corred	Cost per HH Benefitted -
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
		extension of sewerage system for Zone A1 Part I KLM SS-01 and for commissioning of Karumalil and Vaddy pumping stations (balance works) ♦ SWAP Capex: ₹24.756 Cr. ♦ SWAP O&M: ₹5.244 Cr. ♦ SWAP Total: ₹30.000 Cr. ♦ Agency: KWA				♦ Pumping Station: 2 nos. ♦ Manhole Work: 98 nos. ♦ Sewer Connection: 3275 nos. ♦ Road Restoration				
21	Kollam	Zone A1 Iron Bridge Zone – Package-1 - Commissioning of sewerage system in Iron Bridge Zone by rehabilitation of existing sewerage system, extension of the sewerage systems and construction of pumping stations and wet well at Iron Bridge Zone (balance works) ♦ SWAP Capex: ₹27.369 Cr. ♦ SWAP O&M: ₹5.171 Cr. ♦ SWAP Total: ₹32.540 Cr. ♦ Agency: KWA	27.369	5.171	32.540	♦ Sewer Network: 4342 m ♦ Pumping Main: 2960 m ♦ Pumping Station: 1 no. ♦ Manhole Work: 98 nos. ♦ Sewer Connection: 3566 nos. ♦ Road Restoration	3566	91251	3566	91251
Sub Total: Kollam ♦ SWAP Capex: ₹84.261 Cr. ♦ SWAP O&M: ₹15.659 Cr. ♦ SWAP Total: ₹99.920 ♦ Agency: KWA – 3 nos.			84.443	15.477	99.920	♦ Sewer Network: 23637 m ♦ Pumping Main: 4381 m ♦ Pumping Station: 4 nos. ♦ Manhole Work: 696 nos. ♦ Sewer Connection: 9142 nos. ♦ Road Restoration	9142	109298	9142	109298
22	Alappuzha	5 MLD Sewerage scheme for Alappuzha Municipality with STP (Phase-1) ♦ SWAP Capex: ₹64.852 Cr. ♦ SWAP O&M: ₹3.148 Cr. ♦ SWAP Total: ₹68.000 ♦ Agency: KWA	64.852	3.148	68.000	♦ STP Capacity: 5 MLD ♦ Co-treatment Capacity: 13 KLD ♦ Sewer Network: 9790 m ♦ Pumping Main: 800 m ♦ Pumping Station: 1 no. ♦ Lifting Station: 3 nos. ♦ Manhole Work: 384 nos. ♦ Sewer Connection: 2048 nos. ♦ Co-treatment: 11100 nos. ♦ Road Restoration	13148	51719	13148	51719
Grand Total – 22 Projects ♦ SWAP Capex: ₹172.197 Cr. ♦ SWAP O&M: ₹19.812 Cr. ♦ SWAP Total: ₹192.009 ♦ Agency: KWA – 22 nos.			172.379	19.628	192.008	♦ Number of STPs: 1 no. ♦ STP Capacity: 5 MLD ♦ Co-treatment Capacity: 13 KLD ♦ Sewer Network: 39480 m ♦ Pumping Main: 5681 m ♦ Pumping Station: 5 nos. ♦ Lifting Station: 3 nos. ♦ Manhole Work: 1804 nos. ♦ Sewer Connection: 11190 nos. ♦ Co-treatment: 11100 nos. ♦ Road Restoration ♦ Non-clog pump set (75 hp)	76087	25235	92040	20861

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted	HH Benefitted - Corrected	Cost per HH Benefitted - Corrected
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)					
						for RAS: 6 nos. ❖ Non-clog pump set (3 hp) for WAS: 1 no. ❖ Dewatering pump (5 hp) for RAS: 1 no. ❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no. ❖ Motorized Chain Pulley Block (2 t) for Inlet Well: 1 no. ❖ Soft Starter for MCC unit: 16 nos. ❖ CCTV Camera Unit: 1 no. ❖ AC units (1.5/2 t) for Admin Building: 9 nos.				

As the Kochi Corporation had submitted the DPR of the 105 KLD STP at RAY Flat project on the day of the 13th SLTC, the same could not be placed in the 13th SLTC. Subsequent to the 13th SLTC the DPRs of the projects of Kannur Corporation (STP at Maithanapally) and Kochi Corporation (FSTP at Brahmapuram) were also received. In order to reduce the delay in issuing administrative sanction, these 3 projects are placed directly in this SHPSC for approval of administrative sanction. The details are as follows:

Sl. No.	ULB	Name of Work	Amounts as per DPR			Major Components	HH Benefitted (No.)	Cost per HH Benefitted (₹)
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)			
1	Kochi	Construction of sewage treatment plant of capacity 105 KLD for RAY Flat, Fort Kochi ❖ SWAP Capex: ₹1.134 Cr. ❖ SWAP O&M: ₹0.449 Cr. ❖ SWAP Total: ₹1.583 Cr. ❖ Agency: ULB	1.278	0.656	1.934	❖ STP Capacity: 105 KLD	199	97186
2	Kochi	Construction of 1 MLD Faecal Sludge Treatment Plant at Brahmapuram ❖ SWAP Capex: ₹30.50 Cr. ❖ SWAP O&M: ₹0.50 Cr. ❖ SWAP Total: ₹31.00 Cr. ❖ Agency: ULB	30.230	3.787	34.017	❖ FSTP Capacity: 1 MLD	617989	550
3	Kannur	Sewerage System for Kannur Corporation Zone I ❖ SWAP Capex: ₹124.00 Cr. ❖ SWAP O&M: ₹16.00 Cr. ❖ SWAP Total: ₹140.00 Cr. ❖ Agency: KWA	123.914	15.836	139.750	❖ STP Capacity: 5 MLD ❖ Co-treatment Capacity: 74 KLD ❖ Sewer Network: 34335 m ❖ Pumping Main: 1570 m ❖ Pumping Station: 9 nos. ❖ Manhole Work: 1392 nos. ❖ Sewer Connection: 3250 nos. ❖ Co-treatment: 63342 nos. ❖ Road Restoration	66592	20986

Decision:

❖ *Considering the importance of implementing sewerage & septage sector projects in the State, as well as the recommendations of the SLTC and the justifications given by KWA, the committee decided to*

accord Administrative Sanction for the above-mentioned 25 projects (Thiruvananthapuram Corporation-18, Kollam Corporation-3, Alappuzha Municipality-1, Kochi Corporation-2 & Kannur Corporation-1) worth ₹367.709 Cr. (Capex: ₹327.801 Cr. & O&M: ₹39.907 Cr.) subject to the following conditions.

- Any amount included in the DPR prepared by KWA as DPR Charges/ Supervision Charges shall be utilized for works, as the same cannot be accepted since the assets created through the projects are coming under KWA, and since the sewerage works are mandated works of KWA.
- The amount set aside by KWA in the DPR of the project of Thiruvananthapuram Corporation (related to the STP at Muttathara) for the supply and installation of AC units shall be utilized for works, as the same can't be considered, and the amount set aside in the DPR of the same project for the supply and installation of CCTV camera unit is approved as the same is required for security purposes.
- In the case of the projects where the Capex Cost as per the DPR exceeds the Capex Cost as per SWAP, the excess amount required shall be borne by the concerned ULB.
- ❖ In the case of the project (STP at Kottappuram) of Thrissur Corporation where there is public protest, the ULB shall resolve the public protest or identify alternative land or submit a replacement sewage/septage management project by 31.03.2025; otherwise, the SWAP amount set aside for the project will be reallocated for the approved projects in the buffer list.
- ❖ In the case of the project (STP at Kokkala) of Thrissur Corporation, where the clearance for the proposed land for the STP has been rejected by the Agriculture Dept., the committee directed as follows:
 - The ULB shall submit the technical details of the STP to the District Collector for preparing a report on the matter, as decided in the meeting held in this regard on 17.02.2025.
 - The Govt. will take an appropriate decision on allowing the ULB to construct the STP at the proposed land at Kokkala (Koorkkanchery) based on the District Collector's report.
 - Decision on according administrative sanction for the project will be taken by the committee based on the decision taken by the Govt.

Agenda Item No.10.5: Thiruvananthapuram Corporation – Construction of Effluent Treatment Plant at the KSRTC Depot, Thampanoor:

As per the letter no. E7/79579/2021 dated 04.01.2025, the Secretary, Thiruvananthapuram Corporation, requested to place the agenda for approval of the work, 'Construction of Effluent Treatment Plant at the KSRTC Depot, Thampanoor'. The details are as follows:

Details of Work	Reason	Source of Fund
Name of Work: Construction of Effluent Treatment Plant at the KSRTC Depot at Thampanoor ● Sector: SEW ● Capex Cost: ₹0.416 Cr. ● O&M Cost: to be borne by KSRTC ● Council Approval: Prior approval given by the Hon'ble Mayor.	● The project is proposed to be taken up to prevent the pollution of Amayizhanjan Thodu due to the waste water released from the KSRTC Depot at Thampanoor. ● As per the decision (no.14) taken in the meeting held by the Chief Secretary on 30.12.2024 the ULB was directed to take up the project under AMRUT-2.0. ● As per the proposal submitted by the Chairman, KSRTC, the estimated cost of the project is ₹4163899.25. ● The project is planned to be implemented through KSRTC in the deposit mode. ● The ULB proposes that the ULB Share of ₹1387966.42 is to be borne by the KSRTC. ● The ULB proposes to deposit the combined Central & State share of ₹2775932.84 to the KSRTC.	The KWA has reported that there is a savings of ₹0.54 Cr., in the work, 'Supplying and erection of pump sets, transformer and electrical accessories in the Kollavila Pumping Station'. ● AS Amount (Capex): ₹2.37 Cr. ● TS Amount: ₹1.833 Cr. ● Savings Available: ₹0.537 Cr.

13th SLTC Recommendation:

As the KSRTC is willing to accept the proposal put forward by the ULB, the committee decided to recommend the following to the SHPSC:

- Approval for implementing the project, 'Construction of Effluent Treatment Plant at the KSRTC Depot, Thampanoor,' under AMRUT-2.0 as a sub work of the work, 'Supplying and erection of pump sets, transformer, and electrical accessories in the Kollavila Pumping Station.'
- Approval for implementing the project through KSRTC as a deposit work, subject to the condition that the ULB share amount of ₹0.1388 Cr. and the O&M cost involved shall be borne by the KSRTC.
- Approval for depositing the combined Central & State share amount of ₹0.2776 Cr. to the KSRTC.

Decision:

The committee took note of the recommendations of the SLTC and decided as follows:

- ❖ Accorded sanction for implementing the project, 'Construction of Effluent Treatment Plant at the KSRTC Depot, Thampanoor,' (₹0.4164 Cr.) under AMRUT-2.0 as a sub work of the work, 'Supplying and erection of pump sets, transformer, and electrical accessories in the Kollavila Pumping Station', using the available savings subject to the following conditions:
 - All types of effluents (from toilet, workshop etc.) from the KSRTC Depot shall be treated.
 - The treated effluent shall be reused for purposes like toilet flushing etc.
- ❖ Accorded sanction for implementing the project through KSRTC as a deposit work, subject to the condition that the ULB share (₹0.1388 Cr.) and the O&M cost involved shall be borne by the KSRTC.
- ❖ Accorded sanction for depositing the combined Central share and State share amount (₹0.2776 Cr.) to the KSRTC.

Agenda Item No.10.6: Administrative Sanction for projects under Waterbody Rejuvenation & Parks (SWAP-2 & 3):

The rejuvenation of water bodies is a significant component of the mission. 4% of central project funds are earmarked for water body rejuvenation, and 1% is allocated for parks and green space development.

Tranche II Projects:

Under Tranche II, a total of 255 projects for water body rejuvenation, valued at Rs. 82.354 crore, were submitted. The 6th Apex Committee, convened on January 4, 2023, approved these projects. Following cancellations and replacements, the final number of approved projects stands at 248, with a total cost of Rs. 82.94 crore (Capex: Rs. 77.25 crore; O&M: Rs. 5.69 crore). Administrative sanction has been issued for 239 of these projects, amounting to Rs.75.94Cr. (Capex Rs.70.64Cr, O&M- Rs.5.30 Cr.). Seven DPRs for Rs.6.050 Cr (Capex-5.8052 cr; O & M - 0.245 Cr) are currently before the committee for administrative sanction.

Tranche III Projects:

Under Tranche III, a total of 123 water body rejuvenation projects, valued at Rs. 62.14 crore (Capex: Rs. 59.33 crore; O&M: Rs. 2.81 crore), and 73 projects for parks and green spaces, valued at Rs. 40.72 crore (Capex: Rs. 36.4 crore; O&M: Rs. 4.33 crore), were submitted. These projects were approved by the Apex Committee of the Ministry of Housing and Urban Affairs (MoHUA) during its 11th meeting on September 23, 2024.

Following this approval, Urban Local Bodies (ULBs) have submitted **121** Detailed Project Reports (DPRs) totaling Rs. **59.602 Cr. (Capex Rs. 56.855 Cr.; O& M- Rs. 2.747 Cr.)** under the water body rejuvenation sector.

A total of 128 DPRs (Tranche II & III), amounting to Rs. 65.652 crore (Capex Rs. 62.66 Crore and O&M - Rs. 2.992 Crore), are currently under review by the committee for administrative sanction under the **Waterbody Rejuvenation sector.**

A total of 65 DPRs (Tranche III), amounting to Rs. 34.942 Crore (Capex Rs.31.56Cr; O&M- Rs. 3.382Cr.) under the **Parks and Green Spaces Development sector**, are submitted for the issuance of administrative

sanction.

13th SLTC Recommendation:

The committee recommend the issuance of Administrative Sanction for 65 Parks and Green Spaces Development projects, totaling Rs.34.942 Cr. (CAPEX: Rs.31.56Crore; OPEX: Rs.3.382Crore). To issue Administrative Sanctions for Waterbody Rejuvenation Projects, the Joint Directors of LSGD shall conduct a detailed field verification of each waterbody project within their respective jurisdictions. They are required to geo-tag each waterbody and submit the details to the Mission Director, AMRUT, on or before 25th January 2025. Following the submission of these reports and recommendations, the SLTC's decisions regarding the issuance of administrative sanctions for the Waterbody projects will be presented to the SHPSC for approval.

As per the instructions of the 13th SLTC, the Joint Directors of the Local Self Government Department (L.S.G.D.) conducted inspections of each waterbody site within their jurisdiction. It was reported that the geo-coordinates of the majority of the sites align with the values recorded in the MoHUA portal, except for slight discrepancies in their decimal values. Only a few sites displayed minor inconsistencies, which will be corrected in the portal. The updated geo-coordinates, including the necessary corrections, are now being presented to the State-level High Power Steering Committee (SHPSC).

Decision:

The committee took note of the recommendations of the SLTC and decided to accord Administrative Sanctions for 128 Water Body Rejuvenation projects, totaling Rs. 65.652 Crore (CAPEX: Rs. 62.66 Crore; OPEX: Rs. 2.992 Crore) (The List of projects is attached as Annexure 2), and 65 Parks and Green Spaces Development projects, amounting to Rs. 34.942 Crore (CAPEX: Rs. 31.56 Crore; OPEX: Rs. 3.382 Crore) (The List of projects is attached as Annexure 3) subject to the following.

- ❖ *Central Assistance will cover only the Capital Expenditure (CAPEX) and will not extend to Operational & Maintenance (OPEX) costs or land acquisition expenses.*
- ❖ *All projects, including religious pond rejuvenation, must serve the public interest and secure all necessary regulatory clearances before commencement.*
- ❖ *Any costs exceeding the allocated SWAP amount must be funded by the respective Urban Local Bodies (ULBs).*
- ❖ *ULBs should implement measures to ensure that water bodies remain consistently clean and well-maintained.*
- ❖ *ULBs shall ensure adequate funding for the maintenance, development, preservation, and upkeep of parks.*

Agenda Item No.10.7: Cancellation of Waterbody Rejuvenation/ Parks & Green Spaces Projects under SWAP-2 & 3 and Replacement with New Projects:

Under Tranche II, a total of 255 projects for water body rejuvenation, valued at Rs. 82.354 crore, were submitted. The 6th Apex Committee, convened on January 4, 2023, approved these projects. Following cancellations and replacements, the final number of approved projects stands at 248, with a total cost of Rs. 82.94 crore (Capex: Rs. 77.25 crore; O&M: Rs. 5.69 crore). Administrative sanction has been issued for 239 of these projects, amounting to Rs.75.94Cr. (Capex Rs.70.64Cr, O&M- Rs.5.30 Cr.). Municipalities of Kottakkal, Mattannur and Vaikom have submitted requests for the cancellation of the Waterbody rejuvenation/ Parks and Green Spaces projects, as detailed below.

A. Projects for Cancellation:

Sl. No.	ULB	Name of Project	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Reason
1	Kottakkal	Water Body Rejuvenation program to Municipal Pond in Kottakkal Municipality. (Tranche II)	0.25	0.05	0.30	Since maintenance work has been arranged by the Irrigation Department, the Municipal Council has decided to cancel the original project proposal. In its place, a new

						proposal for the 'Kottakkal Raja's School Public Pond' has been put forward.
Total (WBR)			0.25	0.05	0.30	
2	Mattannur	Green Space Park at Poongottu Kavu (Tranche III), Kolari Ward	0.799	0.051	0.85	Permission was not granted due to the area being designated for environmental protection. Therefore, a new location at Karithoor Parambu has been proposed
3	Vaikom	Amrut 2.0- Vaikom Municipality-Park and Green Spaces- Construction of Park on the North Side of K V Canal (Tranche III)	0.35	0.037	0.387	In place of one location (North side of K.V canal), Municipality decided to set up parks and green spaces at four locations viz. K.V Canal, Ayyarkulam, Kaniyanthodu and Vallakkadavu in Vaikom Municipality.
Total (Parks and Green Spaces)			1.149	0.088	1.237	

The projects may be replaced with the new waterbody rejuvenation/ parks and Green Spaces project proposals as detailed below.

B. Projects for Replacement:

Sl. No.	ULB	Name of Project	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Description
1	Kottakkal	AMRUT 2.0 - Water Body Rejuvenation Program for Kottakkal Raja's High School Public Pond.	0.4454	0.03	0.4754	Area: 35 cent; Lat :10.99022, Long:75.9952 Components: Deepening [1816m ³], side protection wall [223m ³], Concrete [27.83m ³], handrail, fencing, pathway, lighting, etc.
Total (WBR)			0.4454	0.03	0.4754	
2	Mattannur	AMRUT 2.0 - Green Space Park at Karithoor Parambu in Mattannur Municipality.	0.56	0.04	0.60	Area: 50 cent. Lat:11.932850"N, Long:75.5 718 61"E Components: Playground, fishing pond, amphitheater, plantation, footpath, electrification, scenic viewpoints, a museum, etc.
3	Vaikom	AMRUT 2.0 - Vaikom Municipality-Park and Green Spaces- Construction of Park on the bank of KV Canal, Ayyarkulam, Kaniyanthodu and Vallakadavu" in Vaikom Municipality	0.589	0.048	0.637	Area: 60 cent; Lat & Long: 9.743,76.392; 9.7674,76.3926; 9.7454,76.4059; 9.7520,76.38869. Components: Jogging track/ walkway, Open mini gym, Gardens and green space, Children play area, foot path, Landscape, Ambient lighting etc.
Total (Parks and Green Spaces)			1.149	0.088	1.237	

As per AMRUT 2.0 Guidelines Cl. 6.9.1, the SHPSC will be competent to approve replacement of projects costing up to 10% of the respective tranche of SWAP in admissible project components of AMRUT 2.0. Replacement of projects beyond 10% of the respective tranche of SWAP, if approved by SHPSC, shall be

sent to the Apex Committee with proper justification for consideration and approval. The current proposals fall within 10% of both Tranche 2 and Tranche 3. The DPRs for the replacement projects have been submitted and scrutinized.

The excess amount of Rs. 0.1954 Cr (Rs.0.4454Cr - Rs.0.25Cr =Rs.0.1954Cr) required for the 'Kottakkal Raja's High School Public Pond' can be met by utilizing savings of Rs. 0.22 Cr from the project "AMRUT 2.0 - Water Body Rejuvenation - Renovation Works for Kottasheri Public Pond in Ward 17 of Kottakkal Municipality".

13th SLTC Recommendation:

The SLTC recommended the following to the SHPSC:

- ❖ Cancellation of "Water Body Rejuvenation Program for Municipal Pond in Kottakkal Municipality" under Tranche II and its replacement with the new project, "AMRUT 2.0 - Water Body Rejuvenation Program for Kottakkal Rajas High School Public Pond" for Rs. 0.4754Cr. [Capex; Rs.0.4454 Cr; O&M Rs 0.03Cr.] in Kottakkal Municipality.
- ❖ Cancellation of "Green Space Park at Poongottu Kavu (Tranche III), Kolari Ward" of Mattannur Municipality and its replacement with the new project 'AMRUT 2.0- Green Space Park at Karithoor Parambu' in Mattannur Municipality for Rs. 0.60 Cr. [CAPEX-0.56Cr.;O&M- 0.04 Cr.].
- ❖ Cancellation of "Park and Green Spaces- Construction of Park on the North Side of K V Canal in Vaikom Municipality" and its replacement with the new project "Construction of Park on the bank of KV Canal, Ayyarkulam, Kaniyanthodu and Vallakadavu" in Vaikom Municipality for Rs 0.637Cr. (Capex; Rs.0.589 Cr.; O&M - 0.048 Cr.).
- ❖ Accord the Administrative Sanctions for replacement projects subject to
 - ULBs should implement measures to ensure that water bodies remain consistently clean and well-maintained.
 - Central Assistance will cover only the Capital Expenditure (CAPEX) and will not extend to Operational & Maintenance (OPEX) costs or land acquisition expenses.
 - All projects, including religious pond rejuvenation, must serve the public interest and secure all necessary regulatory clearances before commencement.
 - ULBs shall ensure adequate funding for the maintenance, development, preservation, and upkeep of parks.

Decision:

The committee took note of the recommendations of the SLTC and decided as follows;

- ◆ *to cancel the following projects under Water Body Rejuvenation and Parks;*
 - "Water Body Rejuvenation Program for Municipal Pond in Kottakkal Municipality" under Tranche II.
 - "Green Space Park at Poongottu Kavu, Kolari Ward" in Mattannur Municipality under Tranche III.
 - "Park and Green Spaces - Construction of Park on the North Side of K V Canal" in Vaikom Municipality under Tranche III.
- ◆ *and to accord Administrative Sanction for the following replacement projects;*
 - "AMRUT 2.0 - Water Body Rejuvenation Program for Kottakkal Rajas High School Public Pond" for Rs. 0.4754 Crore (CAPEX: Rs. 0.4454 Crore; O&M: Rs. 0.03 Crore) in Kottakkal Municipality.
 - "AMRUT 2.0 - Green Space Park at Karithoor Parambu" in Mattannur Municipality for Rs. 0.60 Crore (CAPEX: Rs. 0.56 Crore; O&M: Rs. 0.04 Crore).
 - "AMRUT 2.0 -Construction of Park on the bank of KV Canal, Ayyarkulam, Kaniyanthodu, and Vallakadavu" in Vaikom Municipality for Rs. 0.637 Crore (CAPEX: Rs. 0.589 Crore; O&M: Rs. 0.048 Crore), subject to the following conditions:
 - ULBs must implement measures to ensure that water bodies remain consistently clean and well-maintained.
 - Central Assistance will cover only the Capital Expenditure (CAPEX) and will not extend to Operational & Maintenance (OPEX) costs or land acquisition expenses.
 - All projects, including religious pond rejuvenation, must serve the public interest and secure all necessary regulatory clearances before commencement.
 - ULBs shall ensure adequate funding for the maintenance, development, preservation, and upkeep

of parks.

Agenda Item No.10.8: Revision of Administrative Sanction of Waterbody Rejuvenation Projects:

Eleven proposals have been received from six Urban Local Bodies (ULBs) requesting revisions to the Administrative Sanction (AS) for water body rejuvenation projects. These proposals cite reasons such as tender excess and revisions to the estimates.

A summary of the proposals is as follows:

- The Municipalities of Eloor, Koyilandy, and Palakkad have sought a revision of the AS due to tender excesses. These excess amounts have been approved by the respective ULBs in accordance with the prevailing Government Order [GO (P)No.54/2019/Fin., dated 04/05/2019] from the Finance Department, which stipulates that the maximum admissible contract PAC should be limited to the lower of the LMR or the prevailing DSR + 10% excess.
- Karunagappally and Anthoor Municipalities, and Thrissur Corporation, have requested revisions to their Administrative Sanction (AS) due to estimated revisions.

It is important to note that the Central Government may not fund any portion of the tender excess if the awarded contract cost exceeds the appraised cost. As a result, the excess amount may need to be covered by both the State and the respective ULBs.

During its 8th meeting, the State High Power Steering Committee (SHPSC) decided that for AMRUT 1.0 cities, 75% of the tender excess amount should be borne by the ULB, with the remaining 25% covered by the State. For AMRUT 2.0 cities, 50% of the tender excess amount will be borne by the ULB, and the remaining 50% will be covered by the State.

A. Revision of the Administrative Sanction (AS) due to tender excess:

ULB	Name of work	Reason	AS Amount (Lakh)	Revised AS Amount (Lakh)	Total Additional Amount (Lakh)	Tender Excess State Share (Lakh)	
						State	ULB
Eloor	AMRUT 2.0-Rejuvenation of Pattupurakkal pond in Eloor municipality AS: Rs.10.0 Lakh (Capex: Rs.8.1 Lakh; O&M: Rs.1.9 Lakh.) as per G.O (Rt) No. 486/ 2024/ LSGD dated 01/03/2024. Revised AS Required: Rs.10.383Lakh. [Capex-Rs.8.483lakh.; O&M: Rs.1.9 lakh]. Area: 5 cent	Tender Excess - 4.35%.	10.00	10.383	0.383	0.192	0.191
Koyilandy	AMRUT 2.0-Rejuvenation of Nanam Chira Pond; Koyilandy Municipality AS: Rs.29.15 Lakh (Capex: Rs.26.5 Lakh; O&M: Rs.2.65 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS Required: Rs.31.511 Lakh. [Capex-Rs.28.861 lakh; O&M :Rs.2.65 Lakh] Area: 49 cent	Tender Excess - 9.0%	29.15	31.511	2.361	1.181	1.181
Palakkad	AMRUT 2.0 - Rejuvenation of Moothanthara Kshetra kulam	Tender Excess 8.64	13.2	14.144	0.944	0.236	0.708

	(Temple Pond) Palakkad Municipality. AS: Rs.13.2 Lakh (Capex: Rs.12.0 Lakh; O&M: Rs.1.2 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS Required: Rs 14.144 Lakh. [Capex- Rs.12.944 Lakh; O&M: Rs. 1.2 lakh] Area: 119.1 cent	%					
Palakkad	AMRUT 2.0-Rejuvenation of Parakkulam Pond in Ward 34 Palakkad Municipality. AS: Rs.22 Lakh (Capex: Rs.20.0 Lakh; O&M: Rs.2.0 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS Required: Rs.23.122Lakh. [Capex-Rs.21.122Lakh; O&M: Rs. 2.0 lakh] Area: 44.5cent	Tender Excess 5.97%	22.0	23.122	1.122	0.281	0.841
Palakkad	AMRUT2.0-Rejuvenationof Nurani Grama Kulam in Ward 39 in Palakkad Municipality. AS: Rs.33.0 Lakh (Capex: Rs.30.0 Lakh; O&M: Rs.3.0 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS Required: Rs.34.503Lakh. [Capex-Rs.31.503Lakh; O&M: Rs. 3.0 lakh] Area: 103.8cent	Tender Excess 5.08%	33.0	34.503	1.503	0.501	1.002
Palakkad	AMRUT 2.0 - Rejuvenation of Karnakiyamman Valiyangadi pond in Ward 42 in Palakkad Municipality. AS: Rs.39.4 Lakh (Capex:35.82 Rs Lakh; O&M: Rs.3.58 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS required. Rs.45.286Lakh (Capex:Rs 41.71 Lakh; O&M: Rs.3.58 Lakh). Area: 67.7cent	1.Tender Excess- 5.85%- 2.31 L 2. Additional works-3.58 L Total- 5.89L. 25% of the tender excess will be met by the state. (0.25* 2.31L=0.578L). ULB- 5.886- 0.578=5.308L	39.4	45.286	5.886	0.578	5.308
Palakkad	AMRUT 2.0-Rejuvenation of Ardhanareesh pond in Ward 36 in Palakkad Municipality. AS: Rs.36.4Lakh (Capex: Rs.33.09 Lakh; O&M: Rs 3.31 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023.	Tender Excess 3.13%	36.4	37.433	1.033	0.258	0.775

	Revised AS required. Rs.37.433Lakh (Capex: Rs.34.123Lakh; O&M: Rs.3.31 Lakh). Area: 63.5 cent						
Palakkad	AMRUT 2.0-Rejuvenation of Varithodu pond in ward 01 in Palakkad Municipality.AS: Rs.13.8Lakh (Capex: Rs.12.55 Lakh; O&M: Rs.1.25 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS required. Rs.14.512Lakh (Capex: Rs13.262 Lakh; O&M: Rs.1.25 Lakh). Area: 26.2 cent	Tender Excess 6.18%	13.8	14.512	0.712	0.178	0.534
Total					13.944	3.405	10.54

B. Revision of the Administrative Sanction (AS) due to estimate revisions:

ULB	Name of work	Reason	AS Amount (Lakh)	Revised AS Amount (Lakh)	Excess Amount (Lakh)
Anthoor	Rejuvenation of Kunjukulam pond in Anthoor Municipality AS: Rs.176.5 Lakh (Capex: Rs.175.0 Lakh; O&M: Rs.1.5 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023 Revised AS Required: Rs.206.5 Lakh (Capex: Rs.205.0 Lakh; O&M: Rs.1.5 Lakh) Area: 250 cent	Additional works, including the footpath, handrail, electrification, and floating wetland, have been proposed. The excess amount required for these works can be covered using the tender savings of Rs.32.37 lakh. (No additional financial commitment)	176.5	206.5	30.00
Karunagappally	Rejuvenation of Nagari Pond in Div. 19 of Karunagappally Municipality AS: Rs.13.20 Lakh (Capex: Rs.12.0Lakh; O&M: Rs.1.2 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. Revised AS Required: Rs.14.042 Lakh (Capex: Rs.12.842 Lakh; O&M: Rs.1.2 Lakh) Area: 15 cent	The amount earmarked for O&M has also been tendered and utilized for the work, therefore, an AS revision is required. The excess amount required for these will be covered by the ULB's own funds.	13.2	14.042	0.842
Thrissur	Rejuvenation of Thrikkumarakulam Kulam in Division No.51 of Thrissur Corporation. SWAP: Rs.185 Lakh (Capex: Rs.175 Lakh; O&M: 10 Lakh). AS: Rs.110 Lakh (Capex: Rs.100 Lakh; O&M: Rs.10 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD, 26/09/2023.	The project has been approved by MoUHA for Rs.185 lakh (Capex: Rs.175 Lakh; O&M: Rs.10 lakh). However, provisions for beautification, footpaths, gardening, gym equipment, raising of the compound wall, electrification, and water treatment mechanisms (such as aerators and floating	110.0	185.0	75.0

	Revised AS Required: Rs.185 Lakh (Capex: Rs.175 Lakh; O&M: Rs.10 Lakh) Area: 222 cent	wetlands) were not included in the DPR submitted for the issuance of the A.S and the AS was issued only for Rs. 110. These items are essential for the successful completion of the project, hence the need for a revised proposal for Rs. 185 lakh. Since MoHUA has already sanctioned Rs. 185 Lakh for the project, there is no additional financial commitment required.			
	Total		299.7	405.542	105.842
13th SLTC Recommendation: <ul style="list-style-type: none"> ❖ The Committee recommended to the SHPSC the revision of Administrative Sanction for the projects- <i>Rejuvenation of Kunjukulam pond in Anthoor Municipality, Rejuvenation of Nagari Pond in Div. 19 of Karunagappally Municipality, and Rejuvenation of Thrikkumarakudam Kulam in Division No.51 of Thrissur Corporation</i> due to additional work. ❖ The Committee has decided to constitute a Tender Appraisal Committee to review the Revised Administrative Sanction (AS) proposals due to tender excess, taking into account all relevant details and project-specific requirements. ❖ The Committee will include the following members: <ol style="list-style-type: none"> 1. The Chief Engineer, the Local Self Government Department (LSGD) (Chairperson and Convenor). 2. The Deputy Chief Engineer in charge of AMRUT projects at the Kerala Water Authority (PIU-2) (Member) 3. Representative of the Finance Department. (Member) 4. Representative of SMMU AMRUT. (Member) ❖ Upon completing their evaluations, the tender-committee shall submit its recommendations to the Mission Director, AMRUT, on or before 25th January 2025. Based on these recommendations, the revised AS proposals due to tender excess will be presented to the SHPSC for final approval. ❖ The aforementioned tender committee is entrusted with reviewing all AMRUT project proposals requiring a revision of Administrative Sanction due to tender excess and providing recommendations to the SLTC. <p>As per the instructions of the SLTC, a committee has been constituted comprising;</p> <ul style="list-style-type: none"> ● Chairperson & Convenor: Chief Engineer, LSGD. <p>Members:</p> <ul style="list-style-type: none"> ● Deputy Chief Engineer (AMRUT), KWA (PIU-2) ● Representative of the Finance Department. (Member) ● Representative of SMMU AMRUT. (Member) <p>The Tender Appraisal Committee, during its meeting held on 28th January 2025, reviewed all the projects. After thoroughly examining each project, the Committee recommended the approval of the tender excesses, subject to the approval of the concerned Municipal Councils.</p> <p>Deliberations:</p> <ul style="list-style-type: none"> ❖ The Mission Director, AMRUT explained that the 13th SLTC decided to constitute a Tender Appraisal Committee to verify all proposals with tender excesses before presenting to the SLTC and SHPSC. ❖ The Chair expressed concern over estimate revisions, emphasizing that the scope of work should be properly envisaged during the initial estimate preparation. Revisions consume significant time and effort, and since estimates are prepared by qualified engineers, errors should not occur. Frequent revisions lead to cost escalations and project delays, which must be avoided in the future. The commitment to ensure the accuracy of work should remain high, while the temptation to manipulate changes should be minimized. ❖ The Chair observed that, in the case of the work 'Rejuvenation of Thrikkumarakudam Kulam in Division No.51 of Thrissur Corporation,' the proposal pertains to additional work rather than a revision of the 					

already issued Administrative Sanctions. Therefore, the issuance of a supplementary Administrative Sanction is required

Decision:

The committee took note of the recommendations of the SLTC & the Tender Appraisal Committee and decided to accord sanction for the revision of the Administrative Sanction for the following projects under Water Body Rejuvenation on condition that for AMRUT 1.0 cities, 75% of the tender excess amount should be borne by the ULB, with the remaining 25% covered by the State. For AMRUT 2.0 cities, 50% of the tender excess amount will be borne by the ULB, and the remaining 50% will be covered by the State;

- ❖ *Rejuvenation of Kunjukulam pond in Anthoor Municipality- from Rs.176.5 Lakh (Capex- 175.0 Lakh; O&M- 1.5 Lakh) to Rs. 206.5 Lakh (Capex: Rs. 205.0 Lakh; O&M: Rs.1.5Lakh) due to additional work.*
- ❖ *Rejuvenation of Nagari Pond in Div. 19 of Karunagappally Municipality, from Rs. 13.2 Lakh (Capex- 12.0 Lakh; O&M- 1.2 Lakh) to Rs. 14.042 Lakh (Capex: Rs. 12.842 Lakh; O&M: Rs.1.2Lakh) due to additional work.*
- ❖ *AMRUT 2.0-Rejuvenation of Pattupurakkal pond in Eloor municipality from Rs.10.0 Lakh (Capex: Rs.8.1 Lakh; O&M: Rs.1.9 Lakh) to Rs.10.383Lakh. [Capex-Rs.8.483lakh; O&M: Rs.1.9 lakh] due to tender excess.*
- ❖ *AMRUT 2.0-Rejuvenation of Nanam Chira Pond; Koyilandy Municipality from Rs.29.15 Lakh (Capex: Rs.26.5 Lakh; O&M: Rs.2.65 Lakh) to Rs.31.511 Lakh. [Capex-Rs.28.861 lakh; O&M : Rs.2.65 Lakh] due to tender excess.*
- ❖ *AMRUT 2.0 - Rejuvenation of Moothanthara Kshetra kulam(Temple Pond) Palakkad Municipality from Rs.13.2 Lakh (Capex: Rs.12.0 Lakh; O&M: Rs.1.2 Lakh) to Rs 14.144 Lakh. [Capex- Rs.12.944 Lakh; O&M: Rs. 1.2 lakh] due to tender excess.*
- ❖ *AMRUT 2.0-Rejuvenation of Parakkulam Pond in Ward 34 Palakkad Municipality,from Rs.22 Lakh (Capex: Rs.20.0Lakh; O&M: Rs.2.0 Lakh) to Rs.23.122 Lakh. [Capex-Rs.21.122Lakh; O&M: Rs. 2.0 lakh] due to tender excess.*
- ❖ *AMRUT2.0-Rejuvenationof Nurani Grama Kulam in Ward 39 in Palakkad Municipality,from Rs.33.0 Lakh (Capex: Rs.30.0 Lakh; O&M: Rs.3.0 Lakh) toRs.34.503Lakh [Capex-Rs.31.503 Lakh;O&M :Rs. 3.0 lakh] due to tender excess.*
- ❖ *AMRUT 2.0 - Rejuvenation of Karnakiyamman Valiyangadi pond in Ward 42 in Palakkad Municipality from Rs.39.4 Lakh (Capex:35.82 Rs Lakh; O&M: Rs.3.58 Lakh) to Rs.45.286Lakh (Capex:Rs 41.71 Lakh; O&M: Rs.3.58 Lakh).due to tender excess and additional work.*
- ❖ *AMRUT 2.0-Rejuvenation of Ardhanareesh pond in Ward 36 in Palakkad Municipality from Rs.36.4 Lakh (Capex: Rs.33.09 Lakh; O&M: Rs 3.31 Lakh) to Rs.37.433Lakh (Capex: Rs.34.123Lakh; O&M: Rs.3.31 Lakh) due to tender excess.*
- ❖ *AMRUT 2.0-Rejuvenation of Varithodu pond in ward 01 in Palakkad Municipality. from Rs.13.8 Lakh (Capex: Rs.12.55 Lakh; O&M: Rs.1.25 Lakh) to Rs.14.512Lakh (Capex: Rs13.262 Lakh; O&M: Rs.1.25 Lakh.) due to tender excess.*
- ❖ *The Committee accorded supplementary Administrative Sanction for the project 'AMRUT 2.0 - Rejuvenation of Thrikkumarakudam Kulam in Division No. 51' of Thrissur Corporation, amounting to Rs. 75 lakh (Capex – Rs. 75 lakh; O&M – Rs. 0 lakh) to cover the costs of additional work.*

Agenda Item No.10.9: Water Supply Sector – Revision of Administrative Sanction of 5 Projects:

5 proposals from 5 Urban Local Bodies have been received for revising the Administrative Sanction of Water Supply projects due to tender excess/ estimate revision as follows:

A. Revision of the Administrative Sanction (AS) due to estimate revisions:

ULB	Name of work	Reason	AS Amount (Cr.)	Revised AS Amount (Cr.)	Excess Amount (Cr.)

Pattambi	<p>Name of the Work: AMRUT-2.0 SWAP Pattambi Municipality-Augmentation of drinking water supply scheme</p> <ul style="list-style-type: none"> ● AS Amount: Rs. 7.74 (CAPEX-7.04, OPEX-0.7) [GO(Rt)No.1906/2023/LSGD date:26.09.2023] ● Revised AS Amount Required: Rs. 9.75 (CAPEX:8.75, OPEX:1) ● Additional Amount Required over AS: Rs.1.71 Cr. <p>Council Resolution: No.02 dated 15.11.2024.</p> <p>MD KWA has recommended the revision of AS vide letter No.KWA-JB/254/2024-AE 10 dated 4.12.2024</p> <p>Source of Fund: Savings anticipated from other projects.</p>	<ul style="list-style-type: none"> ❖ Originally the work was taken up directly by the UB itself and DPR was prepared by an agency SEUF. Since significant delay incurred in issuing TS, the 12th SLTC meeting recommended transferring the project's execution to the KWA. ❖ Subsequently, a joint inspection was conducted by KWA and ULB and identified the need to undertake essential renovation works at the existing Water Treatment Plant (WTP). 	7.04	9.75	1.71
Kottarakkara	<p>AMRUT 2.0-UWSS to Kottarakkara Municipality - Design and construction of 9LL OHSR at Eyyamkunnu in Kottarakkara Municipality</p> <ul style="list-style-type: none"> ● AS Amount: 2.02Cr (CAPEX-2.0Cr, OPEX-0.020Cr.) [G.O(Rt)No.677/2023/LSGD dt 21/03/2023] ● Revised AS Amount Required: Rs. 2.992 Cr. (CAPEX:2.965 Cr, OPEX:0.0274 Cr.) ● Additional Amount Required over AS: Rs.96.5 lakhs. <p>Council Resolution: No.E2/11928/21 dated 12.6.2024. Recommendation from the MD KWA has been received on 29.1.2025.</p> <p>Source of fund: Savings anticipated from other projects</p>	<ul style="list-style-type: none"> ❖ The project involves the construction of a 9-LL Overhead Service Reservoir (OHSR) at Eyyamkunnu in Kottarakkara Municipality. However, the proposed site for the OHSR has been relocated to a lower altitude. ❖ As a result of this change in site elevation, the height of the OHSR needs to be increased. To accommodate this adjustment, two additional stages are required to be incorporated into the structure. ❖ The land registration has also been completed. 	2.0	2.992	0.965

B. Revision of the Administrative Sanction (AS) due to Tender excess:

ULB	Name of work	Reason	AS Amount (Lakh)	Revised AS Amount (Lakh)	Total Additional Amount (Lakh)	Tender Excess State Share (Lakh)	
						State	ULB
Taliparamba	Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline, and providing FHTCs in Taliparamba.	The work has been split into two. Package 1 was awarded with a tender excess of 8.70% and package 2 with tender savings.	6.414	6.585	0.1713	0.185	0.185

	<p>AS Amount: 6.914 Cr (CAPEX-6.414 Cr, OPEX-0.5 Cr [G.O.(Rt)No.2906/2022/LSGD Dated:24-11-2022]</p> <p>Package 1- Tender excess- Rs. 36,97,877.00 Package 2- Tender savings Revised AS Amount: Rs.7,08,525 Cr. (CAPEX- 6,58,525 Cr., OPEX- 0.50)</p> <p>Source of Fund: Tender excess: Rs. 36,97,877.00 State Share: Rs.18,48,938.5 ULB Share: Rs.18,48,938.5</p> <p>The Council Resolution No.3 dated 11.05.2023. MD, KWA KWA has recommended the revision of AS vide letter no. KWA-No: KWA- JB/3253/2023-AE10 dated 28.12.2024.</p>	(6.6% below)					
Vatakar a	<p>AMRUT-2.0 -WSS to Vatakara Municipality: (Total 4 packages) AS Amount: 15.777 (CAPEX- 15.027, OPEX-0.75) [GO(Rt)No.473/2023/LSGD date:23.02.2023]</p> <p>Package 1 ● Tender excess – Rs.46,83,027.06 /- (9.27% excess) ● Revised Amount required for Package 1: 5,52,12,631.88</p> <p>Package 2 ● Tender excess – Rs.62,15,914.32 /- (7.56% excess) ● Revised Amount required for Package 2: Rs. 8,84,84,190.36</p> <p>Package 3 ● Tender excess – Rs.1,11,342.44 /-(9.31% excess) ● Revised Amount required for Package 3: 27,56,730.16</p> <p>Package 4 ● Tender excess – Rs.9,39,221.00 /-(9.95% excess) ● Revised Amount required</p>	<p>The work has been split to four Packages. All works have been awarded with tender excess and in progress.</p> <p>Total amount required for tender excess- Rs. 1.20 Cr.</p> <p>Package 1- 9.27% tender excess Package 2- 7.56% tender excess Package 3- 9.31% tender excess Package 4- 9.95% tender excess</p>	15.027	16.08	1.053	0.60	0.60

<p>for Package 4: Rs.1,11,85,454.82 Total Tender excess- Rs.1,19,49,504.82 Water Connection Charges- Rs.22,08,700.00 Electrification Charge- Rs.4,05,000.00 Investigation Charge- Rs.5,00,000.00 Total Revised AS Amount Required: Rs. 16,07,52,707(CAPEX) Revised AS Amount: Rs.16.83 Cr. (CAPEX- 16.08 Cr., OPEX- 0.75) Source of Fund: <ul style="list-style-type: none"> ● Total fund:1,19,49,504.82 ● State share:59,74,752.41 ● ULB Share: 59,74,752.41 MD KWA has recommended the revision of AS vide letter KWA-JB/106/2024-AE 10dated 6.1.2025. The council held on 19.08.2023 vide Resolution No 02 decided to request for AS revision.</p>						
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C. Ratification of the action taken by KWA as the TS amount exceeded the AS Amount:

ULB	Name of work	Reason	AS Amount (Cr.)
Nedumangad	<p>Name of the Work: UWSS to Nedumangad Municipality- Replacing undersized and old dilapidated pipelines and providing FHTCs in Nedumangad.</p> <ul style="list-style-type: none"> ● AS Amount: Rs. 10.80 Cr. (CAPEX: 10.289 Cr., OPEX: 0.515 Cr. [G.O.(Rt)No.473/2023/LSGD date:23.02.2023] ● Additional Amount Required over AS: NIL (can be met from the tender savings of the sub-projects) ● Council Resolution: No.12 dated 30.11.2024. ● MD KWA has recommended the same vide letter KWA-JB/3052/2023-AE 10 dated 6.1.2025. <p>Source of Fund:</p> <ul style="list-style-type: none"> ● No additional financial commitment due to this. The excess amount can be met from the tender savings of the sub-projects. 	<p>Initially, the project was divided into four packages, for which Technical Sanctions (TS) were granted by the SE office, KWA, amounting to Rs. 10,25,10,000. These packages were tendered and awarded to four different contractors for a total of Rs. 9,22,20,000, resulting in tender savings. Utilizing these savings, KWA introduced a fifth package with a TS amount of Rs. 91,46,182, which was subsequently tendered and awarded at Rs. 79,11,951. This brought the total cost of the five packages to Rs. 11,16,56,182, exceeding the sanctioned AS amount by Rs. 87,65,182. However, the total project cost of Rs. 10,01,31,951 (as per the Revised Estimate sanctioned) remains well within the AS amount.</p> <p>Procedurally, it is mandated that the TS should not exceed the AS amount. In this instance, the inclusion of the fifth package has resulted in a deviation from this. The overall project cost is within the sanctioned limit and the works taken up under Package 5 have been completed.</p>	10.289
13th SLTC Recommendation:			

- ❖ The Committee recommended the revision of the Administrative Sanction for the following water supply projects in Pattambi Municipality and in Kottarakkara Municipality due to estimate revision to the SHPSC;
- ❖ The Tender appraisal committee has to review the Revised Administrative Sanction (AS) proposals due to tender excess for the water supply projects of Vadakara and Thaliparamba Municipalities, as well as the revised AS proposal for Nedumangad Municipality, where the Technical Sanction (TS) amount exceeds the approved AS, taking into account all relevant details and project-specific requirements.
- ❖ The Tender excess appraisal committee shall submit its recommendations to the Mission Director, AMRUT, on or before 25th January 2025. Based on these recommendations, the revised AS proposals due to tender excess will be presented to the SHPSC for final approval.

The Tender Appraisal Committee, during its meeting held on 28th January 2025, reviewed all the projects. The minutes of the meeting is attached. After thoroughly examining each project, the Committee recommended the approval of the tender excesses for the water supply projects of Vadakara and Thaliparamba and also decided to recommend the ratification of action taken by KWA in issuing TS exceeding the AS amount for the water supply project of Nedumangad Municipality.

Decision:

The committee took note of the recommendations of the SLTC & the Tender Appraisal Committee and decided to accord sanction for the revision of the Administrative Sanction for the following water supply projects on condition that for AMRUT 1.0 cities, 75% of the tender excess amount should be borne by the ULB, with the remaining 25% covered by the State. For AMRUT 2.0 cities, 50% of the tender excess amount will be borne by the ULB, and the remaining 50% will be covered by the State;

- ❖ *Pattambi Municipality-Augmentation of drinking water supply scheme to Revised AS Amount Required: Rs. 9.75 (CAPEX:8.75, OPEX:1.0), due to estimate revision.*
- ❖ *Kottarakkara Municipality: AMRUT-2.0 -UWSS to Kottarakkara Municipality -Design and construction of 9LL OHSR at Eyyamkunnur- to Rs. 2.992 Cr. (CAPEX:2.965 Cr, OPEX:0.0274 Cr.)*
- ❖ *Thaliparamba Municipality: AMRUT-2.0 -Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline and providing FHTCs to Rs.7.0853 Cr. (CAPEX- 6.5853 Cr., OPEX- 0.50), due to tender excess of 8.7% above the TPAC on condition that 50% of the amount due to tender excess (Rs.36.979 lakhs) may be met by the ULB, and the balance 50 % to be met by the State.*
- ❖ *Vadakara Municipality: AMRUT-2.0 -WSS to Vadakara Municipality to Rs.16.83 Cr. (CAPEX- 16.08 Cr., OPEX- 0.75) due to tender excess and on condition that 50% of the amount due to tender excess (Rs.1.195 Cr.) may be met by the ULB, and the balance 50 % to be met by the State.*

Considering the recommendation of the Tender Appraisal Committee, the Committee ratified the procedural lapse from the KWA in issuing a TS for an amount exceeding the AS amount for the water supply project of Nedumangadu Municipality - UWSS to Nedumangad Municipality- Replacing undersized and old dilapidated pipelines and providing FHTCs in Nedumangad.

Agenda Item No.10.10: Kothamangalam Municipality – Micro water Schemes- AS Revision due to tender excess :

Three proposals for revisions to the Administrative Sanction (AS) for Micro water supply projects have been received from the Kothamangalam Municipality due to tender excess. These excess amounts have been accepted by the respective ULBs in accordance with the prevailing Government Order [[GO (P)No.30/2022/ Fin., dated 14/03/2022]] from the Finance Department, which stipulates that the maximum admissible contract PAC should be limited to the lower of the LMR or the prevailing DSR + 10% excess.

As per the SHPSC decision, for 9 AMRUT 1.0 cities, 75% of the amount due to tender excess may be met by the ULB and the balance 25% may be met by the State. For AMRUT 2.0 cities, 50% of the amount due to tender excess may be met by the ULB, and the balance 50 % to be met by the State.

The technical committee held by the CE/ LSGD on 16/11/2024 had decided to approve the tender excesses with the condition of ratification of tender excesses which is to be obtained from the upcoming SLTC and

further with SHPSC.

Name of work	Reason	AS Amount CAP EX (Cr)	Revised AS Amount CAP EX (Cr)	Total Additional Amount (Cr)	Tender Excess State Share (Cr)	
					State	ULB
Puthuppadi drinking water scheme AS Amount: 1.019 Cr. (Capex 0.97 Cr. + Opex- 0.049 Cr.) [G.O. (Rt)No.1909/2023/LSGD; Dated-26-09-2023] ● No. of times tendered-2 times ● Accepted PAC + GST @ 18%: 1,03,44,058.2/- ● Tender excess – Rs.6,50,844 /- (6.714% excess) ● Excess Amount required- 6,44,058 from AS ● Revised AS Amount: Rs.1,08,34,058.2 (Capex-1,03,44,058.2, Opex-4,90,000) Council decided to meet 50% of the tender excess vide Council Decision: No. 26 dated 30.10.2024.	Tender Excess – 6.714%.	0.97	1.034	0.064	0.0325	0.0325
Valiyapara drinking water scheme AS Amount: 1.491 Cr. (Capex 1.42 Cr. Opex 0.071 Cr.) [G.O. (Rt)No.1909/2023/LSGD Dated-26-09-2023] ● No. of times tendered-2 times ● Accepted PAC + GST @ 18%: 15486476.9/- ● Tender excess – Rs.1320429.4/-(9.32% excess) ● Excess amount required: 12,86,476.9 from AS Revised AS Amount: Rs.1, 61, 96, 476.9 (Capex -1, 54, 86, 476.9/- Opex – 7,10,000/) Council decided to meet 50% of the tender excess vide Council Decision: No. 19 dated 8.11.2024.	Tender Excess - 9.32%	1.42	1.548	0.1286	0.066	0.066
Karingazha drinking water scheme AS Amount: 1.748 Cr (Capex 1.665 Cr. + Opex- 0.083 Cr.) [G.O.(Rt) No. 1909/2073 / LSGD Dated-26-09-2023] ● No. of times tendered-2 times ● Tender excess – Rs 15,74,860/- (9.46 %) ● Accepted PAC + GST @ 18%:	Tender Excess - 9.46 %	1.665	1.822	0.157	0.079	0.079

1,82,19,473.09/- ● Excess amount required: 15,69,473 from AS Revised AS Amount: Rs. 1,90,49,473/- (Capex-1,82,19,473, Opex—8,30,000 /-) Council decided to meet 50% of the tender excess vide Council Decision: No. 33 dated 23.12.2024.						
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13th SLTC Recommendation:

Considering that the technical committee held by the CE/ LSGD on 16/11/2024 had recommended to approve the tender excesses, the Committee recommended the revision of the Administrative Sanction due to tender excess for the three Micro water supply projects in Kothamangalam ULB to the SHPSC.

Decision:

- ◆ *The committee took note of the recommendations of the SLTC and decided to accord the revised Administrative Sanction for the following Micro water supply projects in Kothamangalam ULB due to tender excess;*
 - *Puthuppadi drinking water scheme to Rs 1,08,34,058.2/- (Capex – 1,03,44,058.2/- Opex – 4,90,000/-, due to tender excess of 6.714% above the TPAC and on condition that 50% of the amount due to tender excess (6,50,844/-) may be met by the ULB, and the balance 50 % to be met by the State.*
 - *Valiyapara drinking water scheme to Rs 1,61,96,476.9/- (Capex -1,54,86,476.9/- Opex – 7,10,000/-), due to tender excess of 9.32% above the TPAC and on condition that 50% of the amount due to tender excess (Rs 1320429.4/-) may be met by the ULB, and the balance 50 % to be met by the State.*
 - *Karingazha drinking water scheme to Rs 1,90,49,473/- (Capex -1,82,19,473/- Opex – 8,30,000/-), due to tender excess of 9.46% above the TPAC and on condition that 50% of the amount due to tender excess (Rs 15,74,860/-) may be met by the ULB, and the balance 50 % to be met by the State.*
- ◆ *The Committee noted with concern to the inordinate delay in the commencement of Micro Water Supply projects, despite the issuance of Administrative Sanction in 2023. The Committee directed the ULB to expedite the process to avoid further delays. The Committee also directed the Mission Director, AMRUT, to assess the delays and implement corrective measures.*
- ◆ *Additionally, the Committee emphasized the importance of sustainable water sources by source strengthening measures and maintaining water quality standards. The Chair instructed the AMRUT and the Municipality to incorporate the necessary provisions to ensure long-term water security.*

Agenda Item No.10.11: Micro water Schemes- Cancellation of Projects approved under SWAP 1 in Panoor & Sreekandapuram Municipalities:

Panoor Micro water supply scheme:

The allocated fund for the Panoor Municipality for the water supply scheme is Rs. 18.02 Cr. Under the SWAP 1, AS was issued for four out of five MWSS projects amounting to Rs. 2.681 Cr. The remaining one project at Kakkayapurathu scheme seems to be of low yielding and subsequently, the project has been cancelled by the ULB and this cancellation has been accepted by the MoHUA.

Sl No	ULB	Name of Project	SWAP	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Reason
1	Panoor	Kakkayappurath Koovappadi water supply	1	0.280	0.015	0.295	The Micro water supply project at Kakkayappurath Koovappadi water supply Scheme has been cancelled by the ULB

		scheme					due to low yield of the open well which could not cater to the drinking water requirements of the proposed water supply scheme. Hence, another site selection process is happening from the Panoor ULB.
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Sreekandapuram Micro water supply scheme:

The allocated fund for the Sreekandapuram Municipality for the Micro water supply scheme is Rs. 9.729 Cr. Under the SWAP 1&2, four MWSS projects were approved for Rs.9.729 Cr. AS has been issued for MWSS project- Nediya Suvarnadhara DWSS amounting to Rs. 91.9 lakhs. The detailed project report is under preparation for Madampam DWSS. The ULB reported that the remaining two projects with CAPEX Rs. 3.5 Cr needs to be cancelled due to very low yields.

Sl. No	ULB	Name of Project	SWA P	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Reason
1	Sreekandapuram	Nediya Suvarnadhara DWSS ID- KL-SREEKANDAPURAM-8935	2	1.500	0.150	1.650	The proposed Micro water supply scheme at Nediya Suvarnadhara DWSS, stands cancelled due to the very low yield of the proposed open wells. Hence, the Council has resolved to cancel the above projects vide Resolution No: 10, dated 9/8/2024.
2	Sreekandapuram	Payattuchal DWSS ID-KL-SREEKANDAPURAM-8933	2	2.000	0.200	2.200	The proposed Micro water supply scheme at Payattuchal DWSS stands cancelled due to very low yield of the proposed open wells. Hence, the Council has resolved to cancel the above projects vide Resolution No: 10, dated 9/8/2024.

13th SLTC Recommendation:

- ❖ The SLTC recommended to the SHPSC the cancellation of following Micro water supply projects:
 1. Panoor Municipality- "Kakkayappurath Koovappadi water supply scheme" under Tranche I for Rs. 0.295Cr. [Capex; Rs.0.280 Cr; O&M Rs 0.015 Cr.]
 2. Sreekanadapuram Municipality- "Nediya Suvarnadhara DWSS" under Tranche II for Rs. 1.65Cr. [Capex; Rs.1.50 Cr; O&M Rs 0.15 Cr.]
 3. Sreekanadapuram Municipality- "Payattuchal DWSS" under Tranche II for Rs. 2.20Cr. [Capex; Rs.2.0 Cr; O&M Rs 0.20 Cr.]
- ❖ The committee has recommended that the replacement for canceled projects on MWSS has to be submitted within 3 months' time. or else, the fund allocated for the ULB will be diverted to other sector development works.

Decision:

- ◆ The committee took note of the recommendations of the SLTC and decided to cancel the following Micro water supply projects;
 1. Panoor Municipality- "Kakkayappurath Koovappadi water supply scheme" under Tranche I for Rs. 0.295Cr. [Capex; Rs.0.280 Cr; O&M Rs 0.015 Cr.]
 2. Sreekanadapuram Municipality- "Nediya Suvarnadhara DWSS" under Tranche II for Rs. 1.65Cr. [Capex; Rs.1.50 Cr; O&M Rs 0.15 Cr.]
 3. Sreekanadapuram Municipality- "Payattuchal DWSS" under Tranche II for Rs. 2.20Cr. [Capex; Rs.2.0 Cr; O&M Rs 0.20 Cr.]
- ◆ Committee directed the ULB to establish an alternative water supply system in areas where Micro Water Supply Schemes have been canceled. Committee instructed the ULBs that the replacement for canceled projects on MWSS has to be submitted within 3 months' time. or else, the fund allocated for the ULB will be diverted to other sector development works.

Agenda Item No.10.12: SWAP 3 - Valanchery- Administrative Sanction of Five Micro water Supply Schemes

The Micro water supply scheme of Valancherry comprises Kalayana Urava Water Supply Scheme with a check dam for Rs. **8.567 Cr.** and five micro-projects for Rs. **Rs. 3.862 Cr. was approved** under SWAP-3. The proposed project addresses water scarcity in Valanchery Municipality, particularly in higher elevation areas where the KWA could not provide potable drinking water supply. The initiative aims to ensure year-round availability of clean potable drinking water through sustainable measures, benefiting 13 wards.

The Municipal Council vide resolution No.06 dated 6.1.2024 has decided to approve the detailed project report of 5 micro-projects targeting specific areas.

- Muchickal: Aimed at 210 households.
- Kottaram: Targeting 290 households.
- Karthala: Benefiting 240 households.
- Nirappu: Serving 100 households.
- Thazhangady: Designed for 130 households.

Infrastructure includes open wells, overhead tanks, pipelines, and distribution systems tailored to local needs.

Project Overview:

- Total Project Cost- 5.17 Cr
- CAPEX Cost- 4.92 Cr
- O & M Cost- 0.25 Cr

1. Muchickal Drinking Water project:

- A well with a 5-meter diameter and a depth of 8 meters from ground level.
- FHTC-210 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 1120 metre
- OVERHEAD WATER TANK Capacity of 10,000 litre at level difference of 50 m4.
- MOTOR - 10HP
- DISTRIBUTION LINE - 75mm 1200m length
- Feasibility from Ground Water Authority Obtained
- Project cost-1.05 crore

2. Kottaram Drinking Water project

- 5m diameter well & at the depth of 8 m from ground level.
- FHTC-290 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 750 metre
- OVERHEAD WATER TANK Capacity of 10,000 litre l4. MOTOR - 10HP.
- DISTRIBUTION LINE - 75mm 1000m left side & 900 m right side length
- Feasibility from Ground Water Authority Obtained
- Project cost-1.35 crore

3. Karthala Drinking Water project: -

- 5m diameter well & at the depth of 8 m from ground level.
- FHTC-240 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 1120 metre
- OVERHEAD WATER TANK Capacity of 30,000 litre l4. MOTOR - 10HP.
- DISTRIBUTION LINE - 75mm 1400 m length
- Feasibility from Ground Water Authority Obtained
- Project cost-74 Lakhs

4. Nirappu Drinking Water project: -

- 4m diameter well & at the depth of 8 m from ground level.
- FHTC-100 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 775 metre
- OVERHEAD PVC WATER TANK Capacity of 10000 litre in steel structure-4. MOTOR - 10HP.
- DISTRIBUTION LINE - 75mm 450 m length
- Feasibility from Ground Water Authority Obtained

- Project cost-48 Lakhs

5. Thazhathangady Drinking Water project: -

- 5m diameter well & at the depth of 8 m from ground level.
- FHTC-180 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 1015 metre
- OVERHEAD PVC WATER TANK Capacity of 10,000 litre 5000x 2 No in steel structure-4.
- MOTOR - 20HP
- DISTRIBUTION LINE - 75mm 900 m length
- Feasibility from Ground Water Authority Obtained
- Project cost-89 Lakhs

SUMMARY OF THE PROPOSED PROJECT:

Project Name	Well Details	FHTC	Pumping Main to Overhead Tank	Overhead Tank Capacity	Distribution line	Feasibility from Ground water department	Project Cost in (crores)	Unit Cost
Muchikkal	5m diameter, 8m depth	210	50mm 1120m	10,000 litres	75mm, 200m	Obtained	1505	50,000
Kottaram	5m diameter, 8m depth	290	50 mm, 750m	10,000 litres	75mm, 1000m (left) + 900m (right)	Obtained	1.35	46552
Karthala	5m diameter, 8m depth	240	50 mm, 1120m	30,000 litres	75mm, 1400m	Obtained	1.15	47917
Nirappu	4m diameter, 8m depth	100	50 mm, 775m	10,000 litres (PVC)	75mm, 450m	Obtained	0.48	48000
Thazhangady	5m diameter, 8m depth	180	50 mm, 1051m	10,000 litres (PVC)	75mm, 900m	Obtained	0.89	49444
Total		970 nos	4816 m		5820 m		4.92	

13th SLTC Recommendation:

- ❖ The committee accepted the above projects put forth and have recommended to the SHPSC for issuing Administrative Sanction of the five Micro water supply projects of Valancherry Municipality for a total Project Cost of Rs.5.17 Cr. (CAPEX Cost- Rs. 4.92 Cr, O & M Cost-Rs. 0.25 Cr.)

Decision:

The committee took note of the recommendations of the SLTC and decided to accord Administrative Sanction of the five Micro water supply projects of Valancherry Municipality for a total Project Cost of Rs.5.17 Cr. (CAPEX Cost- Rs. 4.92 Cr, O & M Cost-Rs. 0.25 Cr.).

Agenda Item No.10.13: Conditional approval of Micro water Supply Schemes at Wadakkanchery:

The allocated fund for the Wadakkanchery Municipality water supply scheme is Rs. 20.075 crore. Under SWAP 1, three MWSS projects, comprising 22 sub-projects, were approved for Rs. 16.075 crore. However, no progress has been made so far because the yield testing and water quality assessment could be possible only after the construction of new open wells and conducting the yield test analysis. The Ground Water Department has also advised accordingly. The ULB has requested vide letter No. NIL dated 15.1.2024 for issuing the conditional AS for the project for the construction of open wells or dug wells and if the proposed construction of an open/dug well and its yield testing/analysis fail/are not satisfactory to the micro water supply scheme, the Wadakkanchery Municipality will pay the amount/ cost involved for the above activity from their own funds.

Sl. No.	ULB	Name of Project	SWAP No.	Capex in Cr.	O&M in Cr.	Project Cost in Cr.
1	Wadakkanchery	AMRUT 2.0 Wadakkanchery Municipality Neeliara Drinking water scheme.	1	4.075	0.400	4.475
2	Wadakkanchery	AMRUT 2.0 Wadakkanchery municipality-pathazhakundu drinking water scheme.	1	6.000	0.600	6.600
3	Wadakkanchery	AMRUT 2.0 Wadakkanchery Municipality - Chathanchira Drinking Water Scheme for wards no 11,12,13 and 14.	1	6.000	0.600	6.600

It is hereby proposed that a conditional sanction may be considered for the construction of open wells or dug wells at strategic locations selected by the ULB in due consensus with the community. Further, if the proposed construction of an open/dug well and its yield testing/analysis fail/are not satisfactory to the micro water supply scheme, the Wadakkanchery Municipality should pay the amount/ cost involved for the above activity from their own funds.

13th SLTC Recommendation:

- ❖ The committee has accepted the strategies and modalities put forth and have recommended for the conditional approval of the abovementioned Micro water supply schemes in Wadakkanchery Municipality.

Deliberation & Decision:

- ◆ *The Committee expressed concern over the delay from the Ground water department in providing yield test report. The Ground water department was instructed to provide the assessment regarding the sustainability of water sources urgently by alternate geophysical studies to understand the water bearing formation wherever the wells are not available for yield testing.*
- ◆ *Based on the above conditions, the Committee decided to accord conditional approval of the following Micro water supply schemes in Wadakkanchery Municipality and on condition that if the proposed construction of an open/dug well and its yield testing/analysis fail/are not satisfactory to the micro water supply scheme, the Wadakkanchery Municipality should pay the amount/ cost involved for the above activity from their own funds.*
 - *Neeliara Drinking water scheme with Project Cost of Rs. 4.475Cr. (CAPEX - Rs. 4.075 Cr & O&M 0.400 Cr).*
 - *Pathazhakundu drinking water scheme with Project Cost of Rs. 6.600 Cr. (CAPEX - Rs. 6.000 Cr & O&M 0.600 Cr).*
 - *Chathanchira Drinking Water Scheme for wards 11, 12, 13 and 14. with a Project Cost of Rs. 6.600 Cr. (CAPEX - Rs. 6.000 Cr & O&M 0.600 Cr).*

Agenda Item No.10.14: Jal Hi Amrit Sub Scheme Under AMRUT-2.0 Reforms:

The MoHUA has launched a sub scheme named as "Jal Hi AMRIT" under AMRUT 2.0 reforms. Under this initiative, it is envisaged to incentivize States & UTs to manage the used water (sewage) treatment plants (UWTPs/STPs) efficiently for ensuring recyclable good quality treated water, meeting environmental standards, on a sustained basis. Regarding this initiative, the first meeting (online) was held under the Chairmanship of the Additional Secretary, MoHUA, on 04.09.2024. ₹1300 Cr. is earmarked as incentive to States/UTs on a first-come first-serve basis.

Implementation Strategy:

- ULB's/ Parastatal will apply for STPs in their city through filling up STPs' details on the AMRUT 2.0 online module.
- Self-assessment will be enabled as per the parameters in the devised-template.
- STPs will be reviewed by an independent third party, periodically.
- Preliminary field verification along with water quality sample testing.
- Detailed analysis of gap assessment.

- Focused training programmes of field officials including O&M operations.
- Mid-course assessment visit at the STP and water quality sample testing.
- Final assessment visits and water quality testing at the end of six-month period.
- STPs will be commended with Clear Water Credit in terms of Star Rating based on their performance.
- Revalidation after 6 Months.

Proposed Incentive:

Star Rating	Group - I	Group - II	Group - III	Group - IV	Group - V
	STPs with Treatment Capacity (in MLD)				
	< 5	5 to 10	10 to 50	50 to 100	> 100
*****	0.75 Cr.	1.5 Cr.	4 Cr.	6 Cr.	8 Cr.
****	0.5 Cr.	1 Cr.	2 Cr.	3 Cr.	5 Cr.
***	0.25 Cr.	0.75 Cr.	1 Cr.	2 Cr.	3 Cr.

- STPs with rating 3 Star & above will be eligible for incentive.
- 70:30 incentive release structure is proposed.
- Upfront 70%, after rigorous evaluation and capacity building.
- Remaining 30%, after successful maintaining of star rating for next 6 months.
- 4 Star & 3 Star-rated STPs will also be eligible for balance incentive
 - Upon upgradation of their Standards to 5 Star & 4 Star rating respectively by next year
 - Balance incentive will be given as earmarked for higher rating.

Conditions Related to the Fund Release and its Utilization:

Conditions for Fund Release	Utilization of Incentives
Setting-up Water Resource Recovery Cell (WRRC) at State level <ul style="list-style-type: none"> • Cell comprising of government representatives to oversee STPs, expedite their implementation, and operate them <ul style="list-style-type: none"> ○ Urban Development ○ Irrigation/ Agriculture ○ Power ○ Public Health ○ Industrial ○ State Pollution Control Board ○ ULBs officers • Creation of Escrow Account 	<ul style="list-style-type: none"> • Operational efficiency improvement measures • Technology upgradation • Capital expenditures for reuse infrastructure • Setting up of Real Time Data Management System like OCEMS, SCADA • Capacity Building of Staff • Setting up of new & renewable energy for running STPs • Management of biosolids

Expectations from the States/UTs/ULBs:

- ULBs/ Parastatals to onboard their STPs by submitting the required details on the AMRUT 2.0 online module.
- Set up a Water Resource Recovery Cell (WRRC) at the State level.
- Create an escrow account at ULB level.
- States and ULBs to identify human resources capacity constraints so that training could be provided.
- State-wise nodal officers engaged to support the States/ UTs & ULBs.

Action Taken and Current Status:

The details of the Jal Hi Amrit initiative including the tool kit was forwarded to the Secretaries of all 93 ULBs and the Managing Director, KWA via letter dated 13.09.2024. Under this initiative the details of STPs in AMRUT-1.0 ULBs as well as non-AMRUT-1.0 ULBs can be uploaded in the online platform provided by the MoHUA. The collection of details of STPs and its entry in the Jal Hi Amrit online platform was done through the CMMUs. As per the D.O. letter dated 18.10.2024, the deadline given by MoHUA for the entry of details in the portal is 30.10.2024. Before the deadline, the details of 19 operational STPs (total capacity – 129.155 MLD) in the State were submitted in the online platform for the perusal of MoHUA. Out of the 19 STPs submitted for verification of MoHUA, 1 STP is falling under the Group-V category (>100 MLD), 2 STPs are falling under the Group-II category (5 to 10 MLD), and 16 STPs (<5 MLD) are falling under the Group-I category.

As per the guidelines of the Jal Hi Amrit initiative these STPs will be assessed by an independent third-party

agency (Quality Council of India) by conducting field verification along with water quality sample testing. The 1st phase of the field verification was held from 18.11.2024 to 28.11.2024. The marks obtained by these STPs (out of 500) after the 1st phase of field verification are as follows:

Sl. No.	ULB	STP Location	Capacity (MLD)	AMRUT/ Non AMRUT	Score-1
1	Thiruvananthapuram	Muttathara	107	Non-AMRUT	207.5
2	Thiruvananthapuram	Medical College	5	AMRUT	180
3	Alappuzha	General Hospital	0.24	AMRUT	150
4	Alappuzha	Chathanad	0.015	Non-AMRUT	67.5
5	Kochi	Elamkulam	5	AMRUT	190
6	Kochi	Marine Drive	0.9	Non-AMRUT	72.5
7	Kochi	Kaloor Stadium	0.75	Non-AMRUT	0
8	Paravoor (North)	Taluk Hospital	0.15	Non-AMRUT	90
9	Thrissur	General Hospital	0.36	AMRUT	150
10	Guruvayur	Chakkamkandam	3	Non-AMRUT	105
11	Tirur	Private Bus Stand	0.05	Non-AMRUT	25
12	Malappuram	Municipal Bus Stand	0.03	Non-AMRUT	0
13	Kottakkal	Municipal Bus Stand	0.02	Non-AMRUT	97.5
14	Kozhikode	Medical College	2	AMRUT	145
15	Kozhikode	Medical College	1	AMRUT	162.5
16	Kozhikode	Medical College	2	Non-AMRUT	87.5
17	Sulthan Bathery	Taluk Hospital	0.14	Non-AMRUT	170
18	Taliparamba	Palayad	0.5	Non-AMRUT	157.5
19	Kannur	Padannapalam	1	AMRUT	167.5
Total			129.55	AMRUT-7 & Non-AMRUT-12	

The 2nd phase of field verification was held from 22.01.2025 to 03.02.2025. The knowledge sharing and capacity building sessions under JHA are being done through the Administrative Staff College of India (ASCI). The same has been started for Kerala on 03.12.2024 and is in progress. Active participation in the capacity-building courses and quiz assessments will contribute to the final score. Based on the field verifications, and the participation in the capacity-building courses and quiz assessments the star rating will be given to these STPs and the incentives will be provided according to the star rating obtained.

One of the conditions of fund release under the Jal Hi Amrit is the formation of a Water Resource Recovery Cell for the State for overseeing the implementation and operation of STPs. In this regard a request has been submitted to the Govt. (letter dated 11.09.2024) for formation of a Water Resource Recovery Cell (WRRC) for the State comprising representatives from the Local Self Government Dept., Irrigation/Agriculture Dept., Kerala State Electricity Board, Kerala Water Authority, Kerala Pollution Control Board, and Urban Local Bodies.

13th SLTC Recommendation:

- ❖ The committee took note of the details, action taken, and current status of the Jal Hi Amrit initiative and decided to recommend the following to the SHPSC.
 - Approval of the formation of a Water Resource Recovery Cell for the State as stipulated in the conditions of fund release under Jal Hi Amrit, comprising representatives from the Local Self Government Dept., Irrigation/Agriculture Dept., Kerala State Electricity Board, Kerala Water Authority, Kerala Pollution Control Board, and Urban Local Bodies.
- ❖ The committee also directed the secretaries of the ULBs and officials of the agencies concerned with the STPs submitted under the Jal Hi Amrit to go through the report cards of the STPs obtained after the 1st phase of field verification and take necessary actions to improve the scores before the 2nd phase of field verification commences.

As per the letter dated 30.01.2025 [No. K-16011/8/2024-AMRUT (Part-II)], the MoHUA has issued an advisory to the states regarding formation of the WRRRC. The details as per the advisory is as follows:

Composition of WRRRC:

- Urban Development Department (Chair)
- State Pollution Control Board
- Irrigation/Agriculture Department
- Public Health Engineering Department
- Power Department
- Industries Department
- Relevant ULBs and Parastatals
- Experts from academic institutions, think tanks etc; (as co-opted members)
- Any others as appropriate

Roles and Responsibilities of WRRRC:

- Reviewing and approving proposals from ULBs/Parastatals for incentive utilization.
- Monitoring the performance of incentivized UWTs and ensuring compliance with environmental standards.
- Conducting periodic field visits to assess the quality of treated water and biosolids.
- Organizing capacity-building programs for UWT operators and officials in collaboration with technical partners
- Promoting awareness and advocacy on reusing treated water and biosolids management.
- Preparing quarterly reports for submission to the Ministry of Housing and Urban Affairs.

Decision:

- ❖ *The committee took note of the action taken and the current status of the Jal Hi Amrit initiative.*
- ❖ *The committee also took note of the recommendations of the SLTC and the advisory issued by the MoHUA regarding the Water Resource Recovery Cell (WRRRC).*
- ❖ *The committee approved the formation of a Water Resource Recovery Cell (WRRRC) for the State comprising representatives from the Local Self Government Dept., Irrigation/Agriculture Dept., Kerala State Electricity Board, Kerala Water Authority, Kerala Pollution Control Board, Industries Department, and Urban Local Bodies.*
- ❖ *The committee approved the formation of a Water Resource Recovery Cell (WRRRC) for the State comprising the following members:*
 - *Principal Secretary, LSGD - Chairperson*
 - *Director (Urban), LSGD – Member*
 - *Managing Director, KWA - Member*
 - *Chief Engineer, LSGD - Member*
 - *Representatives of KSPCB, Irrigation Dept., Agriculture Dept., Ground Water Dept., Industries Dept. & KSEB - Member*
 - *Secretary of Relevant LSGIs - Member*
- ❖ *The committee directed the KWA, Water Resource Dept., the secretaries of the ULBs and officials of the agencies (GCDA, Medical Colleges etc.) concerned with the STPs submitted under the Jal Hi Amrit to go through the report cards of the STPs obtained after the field verifications and take necessary corrective actions on priority.*

Agenda Item No.10.15: Progress of AMRUT MITRA:

The AMRUT 2.0 guidelines emphasize the involvement of women's self-help groups (SHGs) in certain aspects of water management, including water demand management, water quality testing, and water infrastructure operations. To enhance the participation of these SHGs in the water sector nationwide, the Government of India, in collaboration with NULM, has launched a program called 'AMRUT Mitra.' This initiative aims to empower women in water infrastructure and related projects through a comprehensive approach.

Projects, in the range of ₹2 lakh (minimum) to ₹10 lakh (maximum) per project can be taken up under AMRUT Mitra. 3% of funds allocated for AMRUT Mitra projects can be used for the Capacity Building and Technical Training.

Phase 1- MITRA:

Under Phase 1, 31 projects worth ₹298.35 lakh were selected by 13 Urban Local Bodies (ULBs) and approved by the Ministry of Housing and Urban Affairs (MoHUA). Work orders have been issued for all 31 projects, and 223 SHG members have been onboarded.

24 works were started on-site. **6 works under Community based Water Testing, Institutional Water Testing (Kollam, Punalur, Guruvayoor, Cherthala, Alappuzha, & Thiruvalla), and a billing and meter reading work at Alappuzha are yet to be started at the site.** The MoHUA has released the 1st instalment of ₹ 74.5875 lakhs in March 2024. The expenditure incurred so far is ₹ 60.22 lakh.

Phase 3- MITRA:

Under Phase 3, 230 projects worth ₹ 20.34 Cr. of 83 ULBs were approved by the Ministry of Housing and Urban Affairs (MoHUA) on 29th October 2024. Of which, the work orders were issued for 40 works.

Phase 4- MITRA:

Under phase 4, 159 projects submitted by the 62 ULBs worth ₹ 15.05927 Cr. were approved by the Ministry of Housing and Urban Affairs (MoHUA) on 10th January 2025. Of which, the work orders were issued for 55 works.

13th SLTC Recommendation:

- ◆ The committee took note of the action taken and the current status of the AMRUT MITRA.
- ◆ The committee also directed the secretaries of the ULBs, and officials of the Kudumbasree and KWA to take urgent steps to expedite the progress of Phase 1 & 3-MITRA and to issue the work orders for all the Phase 1 & 3 MITRA works before the end of January 2025.

Decision:

- ❖ *The committee reviewed the action taken and the current status of the AMRUT MITRA.*
- ❖ *The Committee instructed the Mission Director, AMRUT, to regularly review the progress of MITRA to ensure its timely implementation by prompt onboarding of Self-Help Groups (SHGs), providing them with proper training, and addressing any challenges.*

Agenda Item No. 10.16: AMRUT 2.0 – Incentive-based Reforms- Submission of reforms and supporting documents on the AMRUT 2.0 portal:

Urban Reforms is one of the components under AMRUT 2.0. The Ministry of Housing & Urban Affairs, Government of India has issued a toolkit on Urban Reforms under AMRUT 2.0. The reform agenda focuses on improving the financial health of ULBs, the water security of cities, and the ease of living of citizens by improving the delivery of municipal services. To encourage the ULBs to implement the reforms, AMRUT 2.0 incentivizes the successful implementation of a set of reforms for better delivery of citizen-centric services and the financial health of the ULBs. An amount of Rs 5340 Crore has been earmarked as a Reform incentive by MoHUA. Eight per cent of the Central Assistance allocated to AMRUT 2.0 projects as per Budget Estimate has been earmarked as reform incentives. The Reform agenda is expected to be achieved through the successful implementation of 2 Mandatory Reforms (property tax & User charges), 7 incentive-based reforms and outcome-based reforms incentives.

The States will have to implement the Mandatory reforms in the first two years from the launch of the Mission to be eligible for Central Assistance from the third year onwards.

Based on the guidelines, we have submitted the following reforms during 2022-2024.

Type of Reform	Milestone	Status of submission	Outcome/Incentives received
Mandatory Reforms	Property Tax	Submitted	Apex Committee approved.
	User Charge		
Outcome-based	More than 85% water supply	Submitted the details of	An amount of Rs.10 Cr was

funding	coverage (cities with more than 5 lakh population)	Thiruvananthapuram	received.
	60% or more sewerage coverage	Submitted the details of septage coverage of Thiruvananthapuram & Kozhikode.	Release of incentives awaited from MoHUA
Incentive based reforms	Implementation of Urban Reforms- Leveraging technological advancement through building bylaws. Incorporating provisions in building bylaws on <ul style="list-style-type: none"> ❖ Dual piping. ❖ Electric Vehicle Charging Points. ❖ Wi-Fi Infrastructure. 	Submitted	Release of incentives awaited from MoHUA.

As per the guidelines, the following reforms are to be submitted during 2024-2025 for claiming eligible reform incentives from MoHUA.

Type of Reform	Milestone	Eligibility Criteria	Supporting details
ONLINE GRIEVANCE REDRESSAL AND MUNICIPAL SERVICE DELIVERY- (Incentive based reforms)	Adoption of online system for delivery of atleast seven of following municipal services: <ul style="list-style-type: none"> ● Payment of Property tax. ● Payment of User charges. ● Registration of Birth, Death and Marriage. ● Issuance of trade licenses. ● Public grievance redressal. ● Application & payment for Advertisement. ● Building Permissions. ● Mutations. ● Pension. ● Application system for new water connection. ● Application system for new sewer connection. ● Other, if any. 	Achievement of milestone by at least 50% of ULBs in State	i. URL of Web portal(s)/ Mobile app(s) along with list of municipal services provided online in immediately preceding three months from date of claim. ii. Number of grievances redressed in immediately preceding three months from date of claim. iii. Number of grievances that could not be redressed in 30 days in immediately preceding three months from date of claim
REJUVENATION OF WATER BODIES (Incentive based reforms)	Implementation and completion of projects on Water body rejuvenation as specified below: <ul style="list-style-type: none"> ·ULB population between 1 lakh to below 10 lakh- 2 ponds. ·ULBs with population less than 1 lakh- 1 	<ul style="list-style-type: none"> ● Water bodies having an area above 1 acre. ● Projects undertaken under AMRUT 2.0 or through any other source after 1st Oct, 2021 ● Water body rejuvenated should not have been repaired/ rejuvenated in the last ten years before 1 Oct, 2021. 	Physical Progress of eligible AMRUT project to reflect as 100% on AMRUT 2.0 collaborative platform. Five Geotagged photographs each before and after completion of rejuvenation. Test report of water of rejuvenated water body to comply with class D as per CPCB guidelines A report on water bodies mentioning brief details of projects viz. Date of commencement, date of completion, cost of project, name of contractor, issues faced in implementation and special features of project along with

GIS BASED MAPPING OF PROPERTIES FOR COLLECTION OF PROPERTY TAX	<ul style="list-style-type: none"> ● GIS based mapping of properties including residential and others in the city. ● Ground truthing of GIS map and property tax bill raised. 	Up to five cities per State will be incentivized.	completion certificate. Submission of GIS based map of cities after ground truthing of all residential and other properties. Proof of property tax bills raised against properties mapped above.
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13th SLTC Recommendation:

- ◆ The Committee reviewed the Status of implementation of Reforms during 2022-2024 under AMRUT 2.0.
- ◆ The Committee reviewed the reforms to be submitted during 2024-2025.
- ◆ The Committee recommended to SHPSC for approval to upload and submit the relevant details and supporting documents for the following reforms on the AMRUT 2.0 collaboration portal in order to claim eligible incentives.
 - Online Grievance Redressal and Municipal Service Delivery.
 - Waterbody Rejuvenation.
 - GIS based Mapping of Properties for collection of Property Tax on AMRUT 2.0 collaboration portal

Decision:

- ◆ *The committee reviewed the status of the implementation of AMRUT 2.0 reforms.*
- ◆ *The committee also took note of the recommendations of the SLTC and accorded sanction to upload and submit the relevant details and supporting documents for the following reforms on the AMRUT 2.0 portal in order to claim eligible incentives.*
 - *Online Grievance redressal and municipal service delivery.*
 - *Waterbody Rejuvenation.*
 - *GIS based mapping of properties for collection of property tax on AMRUT 2.0 collaboration portal.*

Agenda Item No. 10.17: IEC under AMRUT 2.0- Jalam Jeevitham Phase 2 campaign in the 93 Urban Local Bodies.

The 3rd State High-Powered Steering Committee has decided to include a school-based IEC (Information, Education, and Communication) campaign in the action plan for water conservation and sanitation. This initiative will involve activities such as forming science clubs, conducting water conservation projects in schools and homes, performing water quality audits, organizing street plays, distributing materials, and hosting competitions to raise public awareness through students.

In alignment with this decision, the Jalam Jeevitham Phase I Campus-to-Campus Campaign, focused on sanitation and water resource protection, has been organized with the support of the National Service Scheme (NSS), Education Department.

Following this, Jalam Jeevitham Phase 2 — the 'Campus to Community Campaign' — is being organized in 343 selected locations across 93 Urban Local Bodies, with continued support from the NSS units of the Education Department. The campaign, with a total cost of Rs. 24,98,755, began on December 21st 2024. Activities include Water Parliaments, Thelineerotam, Jalakhosham, Jalashapatham, flash mobs, and hanging dangles in shops and malls. Trained NSS volunteers are disseminating messages and information on water conservation and sanitation to the public.

13th SLTC Recommendation:

- ◆ The Committee took note of the activities being done under IEC of AMRUT 2.0

Decision:

- ◆ *The committee reviewed the activities being done under IEC of AMRUT 2.0*

❖ *The Chair directed that the campaign should focus on targeted locations that represent the most difficult problem areas to drive a meaningful change, rather than on more convenient locations.*

Agenda Item No. 10.18: Engaging Startups for the Start-up Challenge -3 under the Technology submission of AMRUT 2.0.

According to the guidelines of AMRUT 2.0 issued by the Ministry of Housing and Urban Affairs (MoHUA), the 'Technology Sub-Mission' constitutes one of the components, with 1% of the central budgetary allocation specifically designated for this purpose. Under this initiative, MoHUA, the Government of India, has launched startup challenges to invite applications from eligible startups aiming to provide innovative technological and business solutions addressing the urban water/used water sector.

MoHUA has conducted two phases of challenges (Phase I & II) to select startups. The State Water Startup Screening Committee, chaired by the Mission Director of AMRUT, has identified and recommended 13 startups from Challenges I & II to MoHUA. An expert committee appointed by MoHUA has subsequently selected 7 startups (3 from Challenge I and 4 from Challenge II) from Kerala to receive support under the Technology Sub-Mission of AMRUT 2.0. These startups are established partnerships with cities to undertake projects, eligible to receive funding up to a maximum of 20 lakhs in three installments: Rs. 5 lakhs, Rs. 7 lakhs, and Rs. 8 lakhs.

As per letter, K-L4011 / 02 / 2022/ 9124922 from MoHUA, the Ministry of Housing and Urban Affairs (MoHUA) has called for nominations of innovative startups for the upcoming challenge. Based on the letter, the following 5 Start Ups have submitted proposals. The State Water Start Up Screening Committee will review the proposals and recommend them to MoHUA for financial assistance.

SL. NO	NAME OF THE START UP	NAME OF PROJECT	SECTOR	SUMMARY OF PROJECT
1	AquaSense	AquaSense: Water Availability Prediction and Management	URBAN WATER MANAGEMEN T	The goal of this project is to develop a real-time water resource management system using Raspberry Pi 4, integrating various sensors and technologies for monitoring water availability, pH levels, and automated control. The system includes a real-time dashboard for displaying water status, maintenance alerts, and usage notifications. The core of this system is a real-time dashboard that leverages LoRa (Long Range) technology.
2	EBHOOM SOLUTIONS Private Limited	Online Continuous Effluent Monitoring Systems & Pollution Monitoring Application	URBAN USED WATER MANAGEMEN T	Project focuses on 17 categories of highly polluting industries common facilities (such as STPs, ETPs,) and other industries that have been directed by CPCB/SPCB to install Online Continuous effluent Monitoring System (OCEMS). The system is cloud-based which is able to configure, control and assist the infrastructure via an online interface flexibly and independently.
3	Ecodew Pure Water Solutions	Solving Existing Problems in MBBR systems	URBAN USED WATER MANAGEMEN T	Project focuses on solving problems in MBBR systems, due to usage of incorrect media volume or quality issues arising from using recycled material for manufacturing MBBR media that might poison the biofilm, with Ecodew's HSSAR MBBR bio media that is made from Virgin HDPE and designed with a density close to water so that it fluidized effectively to reach all parts of the aeration tank.
4	KRP Aquatech	Fully Automatic	URBAN USED	Project address the need for efficient water

	Private Limited	Chlorination Plant with IIoT Controls	WATER MANAGEMEN T	treatment with less human involvement. Company manufactures Fully Automatic Chlorination Plant with IIoT (Industrial Internet of Things) Controls that blends the practical concept of mixing chlorine gas into the water along with the pros of IIoT.
5	Equator Geo	Net Zero Project	URBAN WATER MANAGEMEN T	Equator Geo's mission is to promote sustainable practices through GIS technology, assisting clients in creating eco-friendly systems. The goal is a carbon-neutral ecosystem, aligning with Sustainable Development Goals (SDGs) like climate action and clean energy. An important concept in their approach, aiming to balance water usage through conservation, recycling, and eco-friendly urban planning, especially in water-scarce areas.

13th SLTC Recommendation:

- ❖ The Committee took note of the Start Up Challenges conducted by MoHUA and the selection of 7 startups.
- ❖ The Committee reviewed the projects of 5 Start Ups for the 3rd Start-Up Challenge.
- ❖ The Committee recommended to SHPSC for the approval of the process of selection of Start Ups by the State Water Start Up Screening Committee and submission of the proposals of innovative Startups to MoHUA for getting financial assistance.

Decision:

- ❖ *The committee reviewed the status of the Start Up Challenges conducted by MoHUA and the selection of 7 startups.*
- ❖ *The Committee also reviewed the projects of 5 Start Ups for the 3rd Start-Up Challenge.*
- ❖ *The committee took note of the recommendations of the SLTC and decided to approve the process of selection of Startups by the State Water Start Up Screening Committee and submission of the proposals of innovative Startups to MoHUA for getting financial assistance.*

Agenda Item No.10.19: Urban Infrastructure Development Fund (UIDF):

The Government of India has launched a new scheme of Urban Infrastructure Development Fund-UIDF with an aim to supplement the efforts of the State Governments for urban infrastructure development works implemented through Public/State Agencies, Municipal Corporations, Urban Local Bodies by providing a stable and predictable source of financing. UIDF would focus on the Tier 2 & 3 cities. As per the normative allocation fixed for the FY 2023-24, 41 ULBs in the State are eligible for a total project loan amounting to Rs.388.05 Crore. According to UIDF guidelines, Tier 2 cities are defined as cities with a population between 1 lakh and 10 lakh & Tier 3 cities have a population between 50,000 and 1 lakh as per the 2011 Census.

UIDF- TRANCHE 1(FY 2023-24)- Status

Under the FY 2023-24 UIDF scheme, 17 proposals worth Rs. 390 Cr. were submitted to the NHB through the portal upon approval from the Finance Department. 8 proposals worth Rs. 156.36 Cr. were rejected stating that they were under the ineligible criteria.

Out of the remaining 9 proposals, 4 proposals from Kerala have been sanctioned with a loan amount of ₹127.25 Cr. This includes two Sewerage Management Proposal for Thiruvananthapuram Corporation Area, a Solid Waste Disposal Plan - Construction of MCFs and Installation of a Fully Automatic Organic Waste Composting Machine for Thrissur Corporation and Kondotty town beautification. As per the UIDF guidelines, technical sanction for the sanctioned projects should be accorded within 3 months from the date of sanction.

Three projects (TVM-2 & TSR-1) were sanctioned on 3rd July 2024 and a project of Kondotty on 12th

November 2024. TS has been issued for two projects in Trivandrum. The remaining 5 proposals (2 projects from Thrissur, 1 each from Kochi, Kalamassery, and Palakkad) amounting to ₹70.72 Cr (Loan Amount- ₹60.721 Cr.) are currently under review by the National Housing Bank.

UIDF Tranche 2 (2024-2025) - Status:

- NHB vide letter No. NHB/GSD/DAK/2024/01226 dated 2.9.2024 informed that GoI has allocated an amount of Rs. 388.05 Cr. as a normative allocation for the FY 2024-25. The Department of Financial Services (DFS) has approved considering the excess fund demands of any State or Union Territory beyond their normative allocations on a first-come, first-served basis for the financial year 2024-25, under the initial ₹10,000 crore corpus of Tranche-I.
- Additionally, health and education institutions have been removed from the "Negative List of Activities" under the Urban Infrastructure Development Fund (UIDF), thereby making them eligible for funding. Health and education institutions are now removed from the "Negative List of Activities" under the Urban Infrastructure Development Fund (UIDF), making them eligible for funding.
- 35 proposals amounting to Rs. 536.15 Cr. have been submitted to the Finance department by the Principal Directorate LSGD for onward submission to the NHB for approval.

Action Taken and Current Status:

- Vide G.O (Rt) No. 2085/2024/LSGD dated 01-11-2024, the Government has designated the State Level Technical Committee (SLTC) and State Level High Powered Steering Committee (SHPSC) of AMRUT 2.0 as the State Level Committees for the scrutiny, prioritization, periodical review, and administrative approval of projects under Urban Infrastructure Development Fund (UIDF) Scheme.
- Vide GO (Rt) No. 1673/2024/LSGD dated 10.09.2024 and G.O.(Rt) No. 1966/2024/LSGD dated 18.10.2024, Government has accorded Administrative Sanction of two Sewerage Management Proposal for Thiruvananthapuram Corporation Area, and a Solid Waste Disposal Plan - Construction of MCFs and Installation of a Fully Automatic Organic Waste Composting Machine for Thrissur Corporation.
- Vide G.O.(Rt) No. 1753/2024/LSGD dated 24.09.2024, two State level Technical Sanction Committees were constituted for issuing the technical sanction of Solid Waste Management Projects & Crematorium Projects, water supply Networks, Comprehensive Development of Land Reclaimed from Legacy Dumpsite Remediation, Liquid Waste Management, and Roads under UIDF.
- TS Committee held on 9.10.2024 accorded conditional approval for the two liquid waste management projects in Thiruvananthapuram.
- As per the GO (Rt) No. 1673/2024/LSGD dated 10.09.2024, the ULBs shall bear the State share and the repayment of the loan. Both the principal and interest of the loan amount should be repaid from ULB's development fund. Margin share and O&M part will be taken care of by the concerned ULBs.
- A revised proposal on State share including 85 awarded projects under water supply and sewerage projects of AMRUT 2.0 amounting to ₹.547.238 Cr. (State share- ₹327.178 Cr. and ULB share- ₹220.060 Cr.) has been submitted to the Government.
- According to UIDF guidelines, Tier 2 cities are defined as cities with a population between 1 lakh and 10 lakh & Tier 3 cities have a population between 50,000 and 1 lakh as per the 2011 Census. As such only 41 tier 2 & 3 cities in the State qualify for the project loan under UIDF. Considering the current pace of urbanization and the growing demand for essential urban infrastructure, MoHUA has been requested to include additional 26 Urban Local Bodies with a current population above 50,000 in the UIDF scheme.

13th SLTC Recommendation:

- ◆ The committee designates the Principal Directorate of LSGD as the nodal office under the LSGD to look into all matters related to UIDF projects to ensure better utilization of the funds. The Nodal Office must collect and vet the proposals and set up a committee to give sanctions.
- ◆ Regarding the State share proposals of AMRUT, the Mission Director AMRUT shall submit the proposals through the Principal Director LSGD.

Decision:

- ❖ *The committee reviewed the action taken and the current status of the UIDF scheme.*
- ❖ *The committee also took note of the recommendations of the SLTC and decided to designate the Principal Directorate of LSGD as the nodal office under the LSGD to look into all matters related to UIDF projects to ensure better utilization of the funds. The Nodal Office must collect and vet*

the proposals and set up a committee to give sanctions.

- ❖ *Regarding the State share proposals of AMRUT, the Mission Director AMRUT shall submit the proposals through the Principal Director LSGD.*

Agenda Item No.10.20: O&M Strategy for STPs Proposed by KWA:

2nd SHPSC:

Regarding the O&M Cost of projects the 2nd SHPSC decided (Decision No.4) as follows:

- *The O&M Cost for projects implemented by the ULBs shall be borne by the ULBs and the Secretaries of the ULBs shall ensure that the matter is conveyed to the Council and other related committees of the ULB.*
- *The O&M cost for projects implemented by KWA shall be borne by KWA as they are collecting water charges and related fees from consumers.*

6th SLTC:

In the 6th SLTC, the KWA had informed that the O&M cost for water supply projects can be borne by them as water charges are being collected by KWA. For STPs, O&M costs would have to be met by ULBs to avoid a financial burden on KWA. In the 6th SLTC, the KWA also requested that the O&M strategy being followed for the STP at Muttathara, Thiruvananthapuram, be followed for the STPs proposed by KWA under AMRUT-2.0. The 6th SLTC decided (Decision No.4) as follows:

- *After discussions, the committee directed KWA, TVM ULB & AMRUT to prepare 2 or 3 business models for long-term O&M sustainability for all the cities based on the financial situations of cities, prevailing Tariff, and user-cost recovery (financial) strategy.*

8th SLTC:

In the 8th SLTC, the KWA submitted the following options in connection with the decision taken by the 6th SLTC of AMRUT-2.0.

- 1) Increase of sewer charges to 50% of water charges - 65% of O & M expenses can be met.
 - 2) Increase of sewer charges to 70% of water charges - 85% of O & M expenses can be met.
 - 3) Increase of sewer charges to 90% of water charges - 100% of O & M expenses can be met.
- (Sewer charge at that time was 11.02% of water charges and O & M Charges considered by KWA for calculation was ₹20/ KLD).

The 8th SLTC decided (Decision No.8.9) as follows:

- *The Committee reviewed the current Operation & Maintenance plan for Muttathara STP and the suggested strategies.*
- *The Committee instructed KWA to calculate and report the revenue recovery based on the latest approved rates of Sewer charges to the Committee.*

10th SLTC:

In the 10th SLTC, the KWA informed that the annual sewerage charges expected to be collected as per the recently revised rates is ₹19.69 Cr., whereas the combined annual O&M charges for Muttathara, Medical College, Elamkulam & Guruvayur STPs is ₹13.27 Cr., and the expected savings is ₹6.42 Cr. The Chief Engineer, Projects, KWA, informed the 10th SLTC that the administrative expenses and cost recovery component for replacement of pumps and machinery were not considered in the report given by KWA. Hence a revised report will be furnished shortly. The 10th SLTC decided (Decision No.10.12) as follows:

- *The Committee decided to take a decision on the matter after getting the revised report from KWA.*

11th SLTC:

As the KWA did not submit the O&M strategy in the 11th SLTC held on 24.01.2024, the committee decided as follows:

- *The committee directed the DCE, PIU, KWA, to submit the report by 1st week of Feb-2024.*

12th SLTC:

As the KWA did not submit the O&M strategy before the 12th SLTC held on 11.07.2024, the committee

decided as follows:

- The committee directed the JMD, KWA, to submit an O&M strategy workable for both ULB & KWA.

13th SLTC:

As per the letter dated 02.08.2024 (Letter No. KWA-JB/4797/2023-AE10, the MD, KWA, had forwarded the revised O&M strategy based on the sewerage scheme of Thiruvananthapuram, and the same was placed in the 13th SLTC. The details are as follows:

- The annual O & M cost for 60 MLD of sewage treatment including network & pump house maintenance and energy charges is ₹53 Cr. (₹88.33 Lakh/Annum/MLD)
- The annual revenue from the sewerage scheme of Thiruvananthapuram is ₹15.36 Cr. (₹25.6 Lakh/Annum/MLD)
- Gap = ₹62.73 Lakh/Annum/MLD
- If the KWA is entrusted to carry out O & M, the gap funding is to be ensured either by increasing the tariff or by providing funds from LSGD/ Govt.

13th SLTC Recommendation:

- ❖ The committee noted that KWA alone can't bear the O&M charges related to the STPs planned to be implemented through KWA under AMRUT-2.0, and that the same has to be shared by the ULB and KWA.
- ❖ The committee decided to constitute a committee involving the Principal Director, LSGD and the Managing Director/ Joint Managing Director, KWA, to work out the O&M fund sharing strategy between ULBs and KWA.

Decision:

- ❖ The committee suggested that since the asset is being created for KWA, Water Resources Department, the O&M should ideally be borne by them. Furthermore, if ULBs are required to bear the O&M charges of STPs being implemented by KWA, the asset and associated resources should, in principle, be transferred to the ULBs.
- ❖ The committee directed the LSGD to work out an O&M strategy for the STPs implemented through KWA considering the above-mentioned matters and include the same in the draft policy on liquid waste management being prepared by the Dept.

Additional Agenda Item No.10.AA.1: Release of Mobilization Advance of Tranches 2& 3

The 4th, 6th and 11th Apex Committees, convened by the Ministry of Housing and Urban Affairs (MoHUA), have approved Tranches 1, 2 and 3. MoHUA has released Rs. 148.74 crore to the State as the mobilization advance for Tranche 1. The release of the mobilization advances for Tranches 2 and 3 of Central assistance is necessary for the timely implementation of the projects.

MoHUA's condition for the release of the next installment is that the State must utilize more than 75% of the previously released amount. The State has surpassed this requirement, achieving 99.40% utilization (including expenditure total released amount from the Centre, State, and ULBs). Therefore, the State is eligible to receive the mobilization advances for Tranches 2 and 3. The table below illustrates the State's eligibility to claim the mobilization advances for Tranches 2 and 3.

Expenditure Details Based on Fund Release

Details	Total	Central	State	ULB
Released amount (Rs.)	3,84,69,49,300	1,48,73,80,800.00	1,32,64,32,500.00	1,03,31,36,000.00
Expenditure (Rs.)	3,82,37,96,700	1,69,23,40,079.67	1,41,89,34,831.25	71,25,21,789.08
Balance amount	2,31,52,600.00	-20,49,59,279.67	-9,25,02,331.25	32,06,14,210.92
Expenditure in %	99.40	113.78	106.97	68.97

Type of Funding	Tran che	Count of Project Title	Sum of Est. CAPEX (in Cr.)	Sum of Central Share	Sum of State Share	Sum of ULB Share	20% of Mobiliz ation
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6 Corporation (33.33% CA)	2	53	489.94	163.31	163.31	163.31	32.66
3 Municipalities (33.33% CA)	2	19	6.93	2.31	3.46	1.15	0.46
Other 84 Municipalities (50% CA)	2	189	150.10	75.05	56.29	18.76	15.01
Total		261	646.97	240.67	223.06	183.23	48.13
6 Corporation (33.33% CA)	3	99	669.55	223.18	224.34	222.03	44.64
3 Municipalities (33.33% CA)	3	21	109.36	36.45	5.85	17.06	7.29
Other 84 Municipalities (50% CA)	3	179	461.44	230.72	175.96	54.76	46.14
Total		299	1,240.35	490.35	456.15	293.85	98.07
Total of Tranche 2 & 3							
6 Corporation (33.33% CA)	2 & 3	152.00	1,159.49	386.49	387.65	385.35	77.30
3 Municipalities (33.33% CA)	2 & 3	40.00	116.29	38.76	59.31	18.21	7.75
Other 84 Municipalities (50% CA)	2 & 3	368.00	611.54	305.77	232.25	73.52	61.15
Total		560.00	1,887.31	731.02	679.21	477.08	146.20

The SHPSC may note that the State has utilized Rs. 382.38 crore (99.40%) of the total released amount. Based on this utilization, the SHPSC may recommend the proposal for claiming the mobilization advances for Tranches 2 and 3, amounting to Rs. 146.20 crore, for onward submission to MoHUA.

Decision:

The Committee reviewed the financial status and decided to submit the proposal to MoHUA for claiming the release of the mobilization advance for Tranches 2 and 3, amounting to Rs. 146.20 crore.

Additional Agenda Item No.10.AA.2: Release of 2nd Installment of Tranches 1&2

The release of the second installment for Tranches 1 and 2 is contingent upon the utilization of at least 75% of the funds released under Tranche 1, as well as the award of projects with a minimum of 20% physical progress. A set of documents, as specified by MoHUA, is required for the release of the second installment of central assistance for Tranches 1 and 2.

According to OM K-16015/35/2022-AMRUT, dated 20.09.2022, MoHUA has released Rs. 148.74 Cr. to the State as mobilization advance against Tranche 1. The table below demonstrates the State's eligibility to claim the second installment for Tranches 1 and 2. As per MoHUA's stipulations for claiming the second installment, the State has utilized more than 75% of the released funds under Tranche 1.

SWAP	Number of project	Sum of Est. CAPEX (in Cr.)	Total Central Assistance	2 nd Instalment of 40% CA
Tranche 1	109	912.68	387.28	154.91
Sewerage/ Septage Management	9	43.54	14.51	5.81
Water Supply	100	869.14	372.77	149.11
Tranche 2	122	165.75	69.46	27.78
Water Body Rejuvenation	117	34.31	15.41	6.16
Water Supply	5	131.44	54.05	21.62
Grand Total	231	1,078.43	456.74	182.70

The SHPSC may note that the State has utilized Rs. 382.37 Cr. (99.40%) of the total amount released and 231 works have been awarded and Rs. 1078.43 Cr. works have more than 20% physical progress. Based on this, SHPSC may recommend the proposal for claiming the second installment of Rs. 182.70 Cr. for further submission to MoHUA for the release of the eligible amount.

Decision:

The Committee reviewed the financial status and decided to submit the proposal to MoHUA for claiming the release of the 2nd installments of Tranches 1 and 2, amounting to Rs. 182.70 crore.

Additional Agenda Item No.10.AA.3: Request to combine two water supply projects in Haripad Municipality

The Administrative sanctions for the two water supply projects in Haripad Municipality were issued as follows;

- AMRUT 2.0 - UWSS to Haripad – WSS to Haripad Municipality – Construction of 9 LL OHSR at Thrippakudam- G.O.(Rt)No.2906/2022/LSGD dated, 24-11-2022- AS Amount- Capex- Rs. 4.08 & O&M (0.2 cr), Project cost- Rs. 4.28 Cr.
- AMRUT 2.0 - UWSS to Haripad – WSS to Haripad Municipality - Laying transmission main to newly proposed OHSR at Thrippakudam - G.O.(Rt)No.2906/2022/LSGD dated, 24-11-2022-AS Amount- Capex 0.675 cr & O&M (0.01 cr) , Project Cost- 0.685 Cr

Initially, the two works were tendered separately, but due to a lack of bidders, KWA decided to recast the estimate and issue a revised technical sanction. As a result, both works were combined and tendered as a single bid and the work has been arranged.

Decision:

The Committee accorded the Administrative Sanction for the combined project -AMRUT 2.0 - UWSS to Haripad – WSS to Haripad Municipality - Construction of 7 LL OHSR at Thrippakudam & Laying transmission main to newly proposed OHSR at Thrippakudam for Rs. 4.965 Cr.(CAPEX-4.755 Cr. & OPEX- Rs.0.21 Cr.) in place of the two projects approved vide G.O.(Rt)No.2906/2022/LSGD dated, 24-11-2022.

Additional Agenda Item No.10.AA.4: Special Assistance to States for Capital Investment 2024-2025 - Part XIII - Urban Planning Reforms

Following the Scheme for Special Assistance to States for Capital Investment for 2022-2023 and 2023-2024, the Government of India has announced the 'Scheme for Special Assistance to States for Capital Investment' for 2024-2025.

- AMRUT, LSGD has submitted the proposal along with the supporting documents for claiming the incentives for 2024-2025.
- The Ministry of Finance (based on AMRUT division, MoHUA's recommendation 'Framework for Implementation and Assessment of Urban Planning Reforms') approved an amount of Rs 124.25 Cr. for Kerala for achieving various Urban Reforms as per the scheme guidelines.
- The incentive amount should be preferably used for the development of Master plan roads, civic amenities in affordable housing projects, augmentation of infrastructure in the proposed area where redevelopment is being undertaken and for the Capital Investment Projects in the State.
- The Ministry of Expenditure, Government of India, has requested the submission of the list of projects for the release of the approved amount.

Decision:

The Committee acknowledged the approval of ₹124.25 crore for Kerala as an incentive for Urban Planning Reforms under the Special Assistance to States for Capital Investment 2024-2025.

Shamirajoseph
Principal Secretary, LSGD
(Convener, SHPSC)

Saeed
Chief Secretary
(Chairperson, SHPSC)

[Signature]
Mission Director, AMRUT



Minutes of the 10th SHPSC of AMRUT 2.0 dated: 07.02.2025 & 20.02.2025.

**10th SHPSC meeting of AMRUT 2.0 held on 20.02.2025 and 03:00 PM in the
Committee Room of Chief Secretary, Government of Kerala**

List of Participants

1. Smt. Sarada Muraleedharan IAS, Chief Secretary, Government of Kerala
2. Dr. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department
3. Sri. Biju.K IAS, Secretary, Public Works Department
4. Sri. Suraj Shaji IAS, Mission Director, AMRUT
5. Sri.U.V. Jose IAS (Rtd), Executive Director, Suchitwa Mission
6. Smt. Bindu.T.B., Technical Member, Kerala Water Authority
7. Smt. Bindu.A.R., Additional Secretary, Finance Department
8. Sri. Santhosh Kumar. L.T., Additional Secretary, Environment Department
9. Sri. Sandeep.K.G, Chief Engineer, LSGD
10. Sri. Praveen.K.S, Deputy Chief Engineer, Kerala Water Authority, Trivandrum
11. Smt. Umadevi.K.B, Under Secretary, Water Resources Department

**10th SHPSC meeting of AMRUT 2.0 held on 07.02.2025 at 03:00 PM in the
Committee Room of Chief Secretary, Government of Kerala**

List of Participants

1. Smt. Sarada Muraleedharan IAS, Chief Secretary, Government of Kerala
2. Dr. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department
3. Sri.Jeevan Babu.K. IAS, Managing Director, Kerala Water Authority, Trivandrum
4. Sri. Suraj Shaji IAS, Mission Director, AMRUT
5. Sri.U.V. Jose IAS (Rtd), Executive Director, Suchitwa Mission
6. Sri. Saji Kumar.J, Special Secretary, Water Resources Department
7. Smt. Bindu.A.R., Additional Secretary, Finance Department
8. Sri. Santhosh Kumar. L.T., Additional Secretary, Environment Department
9. Sri. Sandeep.K.G, Chief Engineer, LSGD
10. Smt. Sheeba Rani.Y, Chief Town Planner (Planning), LSGD
11. Sri. Praveen.K.S, Deputy Chief Engineer, Kerala Water Authority, Trivandrum
12. Smt. Sreedevi.E.S., Joint Secretary, Public Works Department
13. Sri. Jahangeer, Secretary, Thiruvananthapuram Corporation
14. Smt. Bini.K.U., Secretary, Kozhikode Corporation
15. Sri. Manoj.M.S., Under Secretary, Planning & Economic Affairs Department

A. APPROVED LIST OF WATER BODY REJUVENATION PROJECTS BY THE 10TH SHPSC						
Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
TRANCHE 2						
1	KOCHI	Rejuvenation of Chilavanoor Kayal in Division 54 (KL-KOCHI-14654) *SWAP TOTAL:3.6 *SWAP CAPEX:3.5 *SWAP O&M:0.1	3.6	3.5	0.1	Desilting (29700.0 cum),DR Packing, Footpath, Handrail, Electrification, Paddle wheel aerator, Floating wetland, Footpath (1795 sqm), Plantation, Aerator, etc. *Latitude-9.96791 *Longitude-76.30883 *Area-36 Ha
2	KOTTAKKAL	AMRUT 2.0 - Water Body Rejuvenation - Renovation works to Kottassheri Public pond at ward 17 (KL-KOTTAKKAL-12319) *SWAP TOTAL:0.3 *SWAP CAPEX:0.25 *SWAP O&M:0.05	0.04	0.03	0.01	Desilting and Cleaning, Walking Paths, laterite parapet (9.61m3), steps, Aerators, Water treatment Mechanisms,Wetlands etc, *Latitude-10.98138 *Longitude-76.03586 *Area-7 cents
3	SREEKANDA PURAM	Mundayattu Kulam (KL-SREEKANDAPURAM-9358) *SWAP TOTAL:0.155 *SWAP CAPEX:0.15 *SWAP O&M:0.005	0.805	0.8	0.005	Desilting(2473.39cum), Construction of Side walls(3.2m height), Handrails, Interlocked Pathway,Water treatment Mechanisms, Dry Rubble Masonary (722.714cum) *Latitude-12.047040 *Longitude-75.558287 *Area-53.6 cent
4	KOYILANDY	Rejuvenation of Vadakkumpattillam pond (KL-KOYILANDY-17293) *SWAP TOTAL:0.33 *SWAP CAPEX:0.3 *SWAP O&M:0.03	0.33	0.3	0.03	Desilting (501.84cum),Rubble Masonry (372.88 cum), Reinforced Cement Concrete (19.22cum), Aerators, Embankments, Floating Wetlands *Latitude-11.475349 *Longitude-75.720459 *Area-5 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
5	PANDALAM	AMRUT 2.0 Rejuvenation of Thalakkottuchira Pond and Development of Park at Pandalam Municipality (KL-PANDALAM- 17465) *SWAP TOTAL:0.4252 *SWAP CAPEX:0.3752 *SWAP O&M:0.05	0.4252	0.3752	0.05	Dredging and desilting pond (2445.0cum), Repair of existing stone masonry, DR masonry (7.2cum), Handrails, Pathway for waterfront walk, Footpath (52.8sqm), Landscaping and Planting of trees, Electrification, Open Gym equipment, Water sprinkling system, Aquatic plants, Diversion of inlet drain *Latitude-9.2168678 *Longitude-76.692975 *Area-247.12 cent
6	THIRUVANANTHAPURAM	Beautification and Rejuvenation of Pinakottukonam Pond in Chempazhanthy Ward (KL- THIRUVANANTHAPUR AM-17423) *SWAP TOTAL:0.32 *SWAP CAPEX:0.3 *SWAP O&M:0.02	0.32	0.3	0.02	Cleaning inlets and outlets, Excavation(24.90cum), Protection with Rubble Masonry (27.2cum), Concrete(6.58cum), Solid Block(14.25cum), Footpath(365.58sqm), Step, Plantation, Floating Wetlands, Aerator, Water treatment Mechanism, Gate etc *Latitude-8.566128 *Longitude-76.896547 *Area-99.83 cent
7	THIRUVANANTHAPURAM	Beautification and rejuvenation of Charachira Pond in Nanthancode Ward (KL- THIRUVANANTHAPUR AM-17424) *SWAP TOTAL:0.53 *SWAP CAPEX:0.5 *SWAP O&M:0.03	0.53	0.5	0.03	Cleaning, Deepening(3600.0cum), Protection with(Rubble Masonry (75.0cum), Water Quality Monitoring, Constructed Wetlands/ Floating Wetland, Aerators, Fencing, Fabrication etc *Latitude- 8.516086 *Longitude-76.9492 *Area-184.85 cent
		Total(Tranche II)	6.05	5.805	0.245	
TRANCHE 3						
8	MAVELIKKARA	AMRUT 2.0 Rejuvenation of Theruvilkulam Mavelikkara Municipality (KL-MAVELIKKARA- 15061) *SWAP TOTAL:0.72 *SWAP CAPEX:0.7 *SWAP O&M:0.02	0.72	0.7	0.02	Cleaning, Deepening(7487.25cum), Sidewall Protection with Rubble Masonry (768.25cum), Fencing, Handrails, Water treatment Mechanism, etc *Latitude-9.24446 *Longitude-76.534126 *Area-119.85 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
9	KAYAMKULAM	AMRUT 2.0 Rejuvenation of Irattakkulam Ward 35 of Kayamkulam Municipality (KL-KAYAMKULAM- 14943) *SWAP TOTAL:0.104 *SWAP CAPEX:0.095 *SWAP O&M:0.009	0.104	0.095	0.009	Deepening, Dry Rubble Masonry(5.20m3), GI fencing , Footpath (124 sqm) , concrete (10.680cum) , Hand rail etc. *Latitude-9.171197 *Longitude-76.50775 *Area-21.25 cent
10	KAYAMKULAM (M)	AMRUT 2.0 Rejuvenation of Othanakulam Ward 1 of Kayamkulam Municipality (KL-KAYAMKULAM- 14945) *SWAP TOTAL:0.041 *SWAP CAPEX:0.038 *SWAP O&M:0.003	0.04	0.037	0.003	Desilting(191.1cum) , Footpath(43sqm), Handrail, GI chain link fencing etc. *Latitude-9.18602 *Longitude-76.482985 *Area-6.671 cent
11	KAYAMKULAM (M)	AMRUT 2.0 Rejuvenation of Edayodikkavu Ambalakkulam Ward 19 of Kayamkulam Municipality (KL-KAYAMKULAM- 14946) *SWAP TOTAL:0.221 *SWAP CAPEX:0.201 *SWAP O&M:0.02	0.221	0.201	0.02	Deepening (604 cum), Dry Rubble Masonry (274.135cum), Footpath (80.0sqm) etc, concreting(8.2 m3), Water treatment Mechanism, handrail etc. *Latitude-9.184434 *Longitude-76.529047 *Area-15 cent
12	KAYAMKULAM (M)	AMRUT 2.0 Rejuvenation of Punnakkulam Pond Ward 32 of Kayamkulam Municipality (KL-KAYAMKULAM- 14947) *SWAP TOTAL:0.313 *SWAP CAPEX:0.31 *SWAP O&M:0.003	0.313	0.31	0.003	Deepening(1610.0cum), Rubble masonry (414.838cum), Concrete (26.18cum), Hand rail, GI chain link fencing, plantation, Water treatment Mechanism, etc. *Latitude-9.159663 *Longitude-76.506812 *Area-35.581 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
13	PONNANI (M)	Rejuvenation of Nila Bridge Pond (KL-PONNANI-14514) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.1	1	0.1	Clearing, Random Rubble Masonry(532cum), Laterite Masonry(159.40cum), Concrete (39.52cum), Footpath(833.28sqm), Landscape, Compound Wall, Security Cabin, Cafeteria, Open Gym, Childrens Play area, Toilet, lighting, Electrification, Entry gate etc. *Latitude-10.78323 *Longitude-75.92342 *Area-81 Cents
14	CHAVAKKAD (M)	Rejuvenation Of Pulichirakkettu Pond-Phase II (KL-CHAVAKKAD-14666) *SWAP TOTAL:0.58 *SWAP CAPEX:0.58 *SWAP O&M:0	0.6	0.58	0.02	Phase 1-40.0 L, 42.0 long and 4.5 M height RCC retaining wall(West side). Phase 2- 58.0 L, 46.0 long and 4.5 M height RCC retaining wall; RCC-154.4M3, Foot path-138 M2; Hand Rail-322 Kg of SS (North-East side) *Latitude-10.580 *Longitude-76.013 *Area-49 cent
15	KUNNAMKULAM (M)	Rejuvenation of Meembikulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-10240) *SWAP TOTAL:0.1 *SWAP CAPEX:0.08 *SWAP O&M:0.02	0.1	0.08	0.02	Excavation(18.50cum), Rubble Masonry(39.51cum), Concrete(17.03cum), Handrails, Footpath(319.2sqm), Water treatment Mechanisms, Footpath(319.20sqm) *Latitude-10.659 *Longitude-76.084 *Area-22.49 cent
16	KUNNAMKULAM	Rejuvenation of Cheruvathurkulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-10242) *SWAP TOTAL:0.25 *SWAP CAPEX:0.2 *SWAP O&M:0.05	0.25	0.2	0.05	Cleaning, Desilting(267.3cum), Protection with rubble masonry (308.0cum), Concrete(30.37cum), Water Quality Monitoring, Plantation *Latitude-10.662 *Longitude-76.072 *Area-8 cent
17	KUNNAMKULAM	Rejuvenation of Kalayamkulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-10245) *SWAP TOTAL:0.2 *SWAP CAPEX:0.15 *SWAP O&M:0.05	0.2	0.15	0.05	Desilting(176.021cum), Drain Construction, Protection with rubble masonry (226.50cum), Water Quality Monitoring, plantation etc. *Latitude-10.658 *Longitude-76.030 *Area-24.96 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
18	KUNNAMKULAM	Rejuvenation of Kaattilekulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-14521) *SWAP TOTAL:0.16 *SWAP CAPEX:0.15 *SWAP O&M:0.01	0.16	0.15	0.01	Desilting(566cum), Protection with rubble masonry (228.243cum), Water Quality Monitoring, plantation *Latitude-10.643 *Longitude-76.055 *Area-14 cent
19	KUNNAMKULAM	Rejuvenation of Thazhethazham Kulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-14522) *SWAP TOTAL:0.22 *SWAP CAPEX:0.2 *SWAP O&M:0.02	0.22	0.2	0.02	Protection with rubble masonry (301.503cum), Handrails and walkways, Planting native species, Groundwater recharge pits, Water treatment mechanism, *Latitude-10.629 *Longitude-76.050 *Area-20 cent
20	KUNNAMKULAM	Rejuvenation of Cheeramkulam (Panjayathkulam) in Kunnamkulam Municipality (KL-KUNNAMKULAM-14523) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Desilting(480.0m3), Protection with rubble masonry (493.398cum), Water treatment mechanism *Latitude-10.629 *Longitude- 76.064 *Area-9 cent
21	PERINTHALMANNA	Perinthalmanna Municipality-Mangalam Kulam (KL-PERINTHALMANNA-15174) *SWAP TOTAL:0.5 *SWAP CAPEX:0.45 *SWAP O&M:0.05	0.5	0.45	0.05	Deepening(891.0cum) Rubble Masonry(695.85cum) Concrete-(58.07cum) Electrification, Water treatment mechanism. *Latitude-10.97284 *Longitude-76.22402 *Area-13.839 cent
22	PERINTHALMANNA (M)	Perinthalmanna Municipality-Padathekulam (KL-PERINTHALMANNA-15175) *SWAP TOTAL:0.308 *SWAP CAPEX:0.28 *SWAP O&M:0.028	0.308	0.28	0.028	Desilting(450.0cum), Protection work with Rubble Masonry(313.20cum), Concrete(44.55cum), Handrails, Water Treatment Mechanism *Latitude-10.9742 *Longitude-76.22128 *Area-6.42 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
23	TANUR	AMRUT 2.0 - Water Body Rejuvenation at Chudalakulam Naveekaranam Div 12 at Tanur Municipality (KL-TANUR-15209) *SWAP TOTAL:0.23 *SWAP CAPEX:0.228 *SWAP O&M:0.002	0.23	0.228	0.002	Excavation(191.52cum) Protection work with Rubble Masonry(477.64cum) Concrete(8.525cum) Handrails, Water Quality Monitoring, Plantation etc *Latitude-10.98774 *Longitude-75.89382 *Area-22 cent
24	TANUR	AMRUT 2.0 Water Body Rejuvenation /Iratkulam Pond Rejuvenation at Div 03 in Tanur Municipality (KL-TANUR-15210) *SWAP TOTAL:0.271 *SWAP CAPEX:0.246 *SWAP O&M:0.025	0.294	0.269	0.025	Cleaning, Desilting(278.8cum), Protection work with Rubble Masonry (578.31cum) , Handrails,Plantation,, Constructed Wetlands/ Floating Wetland, Aerators *Latitude-11.01169 *Longitude-75.87454 *Area-25 cent
25	TIRUR (M)	Improvements to Kollikulam Pond in Ward 13 Tirur Municipality (KL-TIRUR-15204) *SWAP TOTAL:0.35 *SWAP CAPEX:0.32 *SWAP O&M:0.03	0.35	0.32	0.03	Desilting(624.07cum), Protection work with Rubble Masonry(DR= 539.482 cum), Concrete (39.78m3),Water Treatment Mechanism, Plantation etc *Latitude-10.92871 *Longitude-75.93507 *Area-12.36 cent
26	VALANCHERRY	Rejuvenation of Karimkulam (KL-VALANCHERRY-14681) *SWAP TOTAL:0.05 *SWAP CAPEX:0.03 *SWAP O&M:0.02	0.05	0.03	0.02	Excavation, Handrails, Pathways, Water treatment Mechanism etc *Latitude-10.88969 *Longitude-76.0767 *Area-4.0cent
27	VALANCHERRY	Rejuvenation of Kottaram Valiyakulam (KL-VALANCHERRY-9328) *SWAP TOTAL:0.6 *SWAP CAPEX:0.54 *SWAP O&M:0.06	0.6	0.54	0.06	Excavation(320.0cum), Protection work with Rubble Masonry (500.79 cum), Concrete(128.0cum),Footpath (195.0sqm), Step, Handrail, Water treatment Mechanism,etc *Latitude-10.88698 *Longitude-76.06064 *Area-33 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
28	VALANCHERRY	Rejuvenation of Choorattukulam (KL-VALANCHERRY-9331) *SWAP TOTAL:0.13 *SWAP CAPEX:0.1 *SWAP O&M:0.03	0.13	0.1	0.03	Desilting, Protection work with Rubble Masonry(DR= 24.83cum), Concrete(76.8cum),, constructing steps,Handrails, Footpath, Water treatment Mechanism,Compound Wall etc, *Latitude-10.88797 *Longitude-76.0494 *Area-13 .0 cent
29	VALANCHERRY	Rejuvenation of Anthimahakalan Kulam (KL-VALANCHERRY-9333) *SWAP TOTAL:0.54 *SWAP CAPEX:0.47 *SWAP O&M:0.07	0.54	0.47	0.07	Dismantling old damaged wall,Protection work with Rubble Masonry (496.0 cum); Concrete (155.0 m3), Water Treatment Mechanism, Floating Wetland, Handrail etc *Latitude-10.887 *Longitude-76.06062 *Area-14.08 cent
30	VALANCHERRY	Thaikkatt Kulam Rejuvenation (KL-VALANCHERRY-14465) *SWAP TOTAL:0.2 *SWAP CAPEX:0.16 *SWAP O&M:0.04	0.2	0.16	0.04	Protection work with Rubble Masonry(80.560 cum), Concrete(29.61cum), Handrails,Footpath (461sqm), Water Treatment Mechanisms, Step *Latitude-10.90117 *Longitude-76.06142 *Area-15.5 cent
31	VALANCHERRY	Rejuvenation of Perinkayi Kulam (KL-VALANCHERRY-8600) *SWAP TOTAL:0.1 *SWAP CAPEX:0.06563 *SWAP O&M:0.03437	0.10437	0.07	0.03437	Clearing, Protection work with Rubble Masonry (DR = 39.713cum), Concrete(40.47cum), Handrails, Masonry Protection Wall, Water Treatment Mechanisms,etc *Latitude-10.87881 *Longitude-76.05727 *Area-49 .0 cent
32	GURUVAYOOR (M)	Rejuvenation of Cholayil Pond (KL-GURUVAYOOR-14875) *SWAP TOTAL:0.21 *SWAP CAPEX:0.2 *SWAP O&M:0.01	0.26	0.25	0.01	Deepening(480.0cum), Protection work with Rubble Masonry,4.0 m height (356.64cum), Concrete- (32.5 m3); Handrails *Latitude-10.3604 *Longitude-76.040 *Area-9.9 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
33	GURUVAYOOR (M)	Rejuvenation of Cholayil Sooryan Pond (KL-GURUVAYOOR-14876) *SWAP TOTAL:0.26 *SWAP CAPEX:0.25 *SWAP O&M:0.01	0.26	0.25	0.01	Clearing, Desilting(361cum), Protection work with Rubble Masonry(276.84cum), Concrete(45.96cum), Handrails, Plantation, , Water Treatment Mechanism, Footpath (105.000sqm) *Latitude-10.604 *Longitude-76.041 *Area-10 cent
34	GURUVAYOOR (M)	Rejuvenation of Chembram Thodu (KL-GURUVAYOOR-14790) *SWAP TOTAL:0.32 *SWAP CAPEX:0.3 *SWAP O&M:0.02	0.32	0.3	0.02	Clearing, Excavation(158cum) Protection work with Rubble Masonry(20.46cum), Concrete(101.32cum), Salt Water Extrusion barrier, Water Quality Monitoring, Plantation, etc *Latitude-10.57 *Longitude-76.047 *Area-12 cent
35	GURUVAYOOR (M)	Rejuvenation of Kajah Pond - Ward 28 (KL-GURUVAYOOR-14791) *SWAP TOTAL:0.5 *SWAP CAPEX:0.47 *SWAP O&M:0.03	0.5	0.47	0.03	Clearing, Deepening (1250.0cum), Protection work with Rubble Masonry (462.52cum), Concrete(56.5cum), Step, Drain, Handrail, Footpath, Water treatment Mechanism, Plantation, Footpath(96.0sqm) etc *Latitude-10.595 *Longitude-76.045 *Area-14 cent
36	MATTANNUR (M)	Kallur Temple Pond (KL-MATTANNUR-9295) *SWAP TOTAL:0.54 *SWAP CAPEX:0.53 *SWAP O&M:0.01	0.89	0.88	0.01	Deepening(708.51cum), Protection work with Rubble Masonry (155.0 m3), Laterite walls (723.0 M3); Concrete(102.56m3); Handrails, Water treatment Mechanisms, Footpath(212.300sqm) etc *Latitude-11.945234 *Longitude-75.577702 *Area-20 cent
37	KOTTARAKKARA	Kottarakara Municipality-Water Body Rejuvenation - Kulasekharanalloor Temple Pond (KL-KOTTARAKKARA-15056) *SWAP TOTAL:0.105 *SWAP CAPEX:0.1 *SWAP O&M:0.005	0.105	0.1	0.005	Clearing, Desilting, Rubble Masonry (20.13cum), Concrete (17.21cum), Signboards, handrails, Gardens, Footpath(125.0sqm), Seating Areas, Lighting, Water Treatment mechanisms etc *Latitude-9.003954 *Longitude-76.77477 *Area-18.534 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
38	KOTTARAKKARA	Kottarakara Municipality -Water Body Rejuvenation -Avanoor Pond (KL-KOTTARAKKARA-15057) *SWAP TOTAL:0.105 *SWAP CAPEX:0.1 *SWAP O&M:0.005	0.105	0.1	0.005	Clearing, Solid Block (16.2cum), Concrete(15.65cum), Signboards, Gardens, Footpath(80sqm), Seating Areas, Lighting, Water treatment Mechanism etc *Latitude-9.011277 *Longitude-76.764162 *Area-17 cent
39	KOTTAYAM (M)	2023-2024-Side protection for Kumaranalloor Kshethram Temple pond in ward no 51 (KL-KOTTAYAM-15198) *SWAP TOTAL:0.2288 *SWAP CAPEX:0.2188 *SWAP O&M:0.01	0.2288	0.2188	0.01	Deepening (617.67cum), Concrete (21.37cum), Rubble Masonry (260.78 cum) Concrete(16.51cum) ; Water treatment Mechanism *Latitude-9.62276 *Longitude-76.527392 *Area-10.62 cent
40	KOTTAYAM (M)	2023-2024-Construction of side protection wall for Karyambadam pond in ward no 51 (KL-KOTTAYAM-15200) *SWAP TOTAL:0.4036 *SWAP CAPEX:0.3936 *SWAP O&M:0.01	0.4036	0.3936	0.01	Excavation(294cum), Coconut Pile (2016m), Protection work with Rubble Masonry (451.358cum), Concrete (19.65cum), parapet, Surrounding walls, pathways. Water Quality Mechanism *Latitude-9.614621 *Longitude-76.526358 *Area-12.60 cent
41	KOTTAYAM (M)	Side protection for Thrikkayil Malloosery Sreekrishna Temple pond in ward no 11 (KL-KOTTAYAM-15202) *SWAP TOTAL:0.18 *SWAP CAPEX:0.17 *SWAP O&M:0.01	0.18	0.17	0.01	Excavation(179cum), Coconut Pile (480metre), Laterate masonry (63.785cum), Protection work with DR Packing (67.270cum),Concrete (5.42cum), Step, Water Quality Mechanism etc... *Latitude-9.606079 *Longitude-76.521967 *Area-3 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
42	KOTTAYAM (M)	Renovation of Thrikkayil Kshethra Kulam In Ward 30 (KL-KOTTAYAM-15205) *SWAP TOTAL:0.2448 *SWAP CAPEX:0.2148 *SWAP O&M:0.03	0.2448	0.2148	0.03	Earthwork(44.25m3), Dry Rubble Masonry (207.25cum), concrete (38.75m3);Handrail, footpath(24sqm)., Water quality mechanisms. *Latitude-9.564407 *Longitude-76.529213 *Area-14.08 cent
43	FEROKE	Rejuvenation of Kanjirathil Paikutty Kulam (KL-FEROKE-9323) *SWAP TOTAL:0.145 *SWAP CAPEX:0.13 *SWAP O&M:0.015	0.145	0.13	0.015	Clearing, Deepening (132.5cum), Rubble Masonry (219.37cum), Footpath (11.33sqm), Concrete (17.7cum), Water Quality Monitoring, Handrails, Walkways, Vegetation, Seating, Lighting etc *Latitude-11.17652 *Longitude-75.826343 *Area-8 cent
44	KOZHIKODE	Creating a new pond in Lion's park Kozhikode beach and beautification of its premises (KL-CHERTHALA-10477) *SWAP TOTAL:5.28 *SWAP CAPEX:5.25 *SWAP O&M:0.03	5.28	5.25	0.03	The proposal is to create a natural pond and beautify its surroundings, making it one of the major attractions of the children's park. The park is located at Kozhikode Beach, a popular destination within the city, frequented not only by local residents but also by visitors from surrounding districts and beyond. The location is in CRZ II area. Natural Pond and Premises development. Central Plaza, Supporting Amenities, Existing Toilet block Electrical Panel room Earthwork(928cum),SolidBlock(269cum), Protection work with RubbleMasonry(454cum),Footpath (740.43sqm), Plantation , Children Play Equipment etc *Latitude-11.261461 *Longitude-75.768482 *Area-150 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
45	PAYYOLI	Rejuvenation of Kottukulam pond in Payyoli Municipality (KL-PAYYOLI-9452) *SWAP TOTAL:0.3 *SWAP CAPEX:0.275 *SWAP O&M:0.025	0.3	0.275	0.025	Deepening (1021.200cum), Rubble Masonry (141.120cum), Laterite wall(60.18cum), Footpath(300.9sqm), Aerators and Floating Wetlands, Handrails, Garden, Plantation, seating ,lighting etc *Latitude-11.539258 *Longitude-75.618952 *Area-12.4 cent
46	PAYYOLI	Rejuvenation of Chovva vayal pond in Payyoli Municipality (KL-PAYYOLI-9454) *SWAP TOTAL:0.48 *SWAP CAPEX:0.44 *SWAP O&M:0.04	0.48	0.44	0.04	Deepening(3125cum), Dry Rubble Masonry (632.82cum), Laterite Wall(37.36cum), Footpath (256 sqm) Signboards, Handrail, Walkways, Gardens and Native Vegetations, Seating , Lighting, Water treatment Mechanism, Aerators, Floating wetlands etc. *Latitude-11.52501 *Longitude-75.637634 *Area-9.9 cent
47	KODUVALLY	AMRUT 2.0 Poonoor River Rejuvenation and Construction of Green Space in Koduvally Municipality (KL-KODUVALLY-14435) *SWAP TOTAL:0.6252 *SWAP CAPEX:0.5752 *SWAP O&M:0.05	0.6252	0.5752	0.05	Cleaning, Excavation (138.6cum), Rubble Masonry (746.8cum), Concrete(119.2cum), SignBoard, Handrails, Walkway, Garden, Seating , Lighting, Water Quality Management, Plantation, Aerator, Floating Wetland etc *Latitude-11.352533 *Longitude-75.901022 *Area- (River)
48	CHITTUR-THATHAMANGALAM (M)	Rejuvenation of Bhagavathy kulam at Chittur (KL-CHITTUR-THATHAMANGALAM-9978) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.1	1	0.1	Excavation(561cum), Protection work with Dry Masonry (1718.413 cum), Concrete(130.65cum), Water treatment Mechanism, Step etc *Latitude-10.7032500 *Longitude- 76.7376944 *Area-200 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
49	OTTAPPALAM (M)	Renovation of Valiyakulam in Ottapalam Municipality (KL-OTTAPPALAM-14637) *SWAP TOTAL:0.88 *SWAP CAPEX:0.8 *SWAP O&M:0.08	0.88	0.8	0.08	Deepening(542.0 m3), Protection Work with Rubble Masonry (1015.0m3), Concrete (95.22cum), Solid Block (16.8cum), Footpath(930.0sqm), Water treatment Mechanism, Fencing, Sign Board *Latitude- 10.8106944 *Longitude-76.3697222 *Area-164.0 cent
50	OTTAPPALAM (M)	Renovation of Perumkulam in Ottapalam Municipality (KL-OTTAPPALAM-14638) *SWAP TOTAL:0.77 *SWAP CAPEX:0.7 *SWAP O&M:0.07	0.77	0.7	0.07	Cleaning, Deepening(1836.75m3); Dry Rubble Masonry(471.0m3), Concrete(66.0m3),Footpath (600.0sqm);Water Treatment Mechanism, Sign Board, fencing, etc. *Latitude-10.7651667 *Longitude-76.409750 *Area-65.3 cent
51	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Kulancherikulam in Ward 13 of Shoranur Municipality (KL-SHORANUR-17416) *SWAP TOTAL:0.85 *SWAP CAPEX:0.8 *SWAP O&M:0.05	0.85	0.8	0.05	Desilting of Pond (1625.0cum), Protection work with Rubble masonry (36.76cum), Concrete protection wall (214.8cum), Footpath(290.4sqm),Garden, Benches, Handrail ; Lighting ; Water Treatment Mechanism, Floating Wetland, Electrification, Landscaping etc. *Latitude-10.7706667 *Longitude-76.2777778 *Area-98.85 cent
52	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Anthimahakalankulam in Ward 31 of Shoranur Municipality (KL-SHORANUR-17417) *SWAP TOTAL:0.8 *SWAP CAPEX:0.75 *SWAP O&M:0.05	0.8	0.75	0.05	Deepening (13537.50m3), Protection with Rubble Masonry (95.44cum), Concrete protection wall(183.09cum), Drain(195.0m); Footpath(64.9sqm); Handrail, Landscaping , Garden bench; Floating wetland etc *Latitude-10.7848889 *Longitude-76.2724722 *Area-223.03 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
53	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Narasimhamoorthi kshethrakulam Ward 10 (KL-SHORANUR-14603) *SWAP TOTAL:1.37 *SWAP CAPEX:1.36 *SWAP O&M:0.01	1.37	1.36	0.01	Excavation(503.63cum);Protection Work With Rubble Masonry (1745.49cum);Concrete (192.0cum),Pathway (1095.0sqm);Garden benches; Floating garden;Handrail;Lighting System;Parking area, etc *Latitude-10.7643889 *Longitude-76.2918611 *Area-50 cent
54	SHORANUR (M)	AMRUT 2.0 - Renovation of Eruppekulam at Kavalappara in Shoranur Municipality (KL-SHORANUR-17419) *SWAP TOTAL:2.55 *SWAP CAPEX:2.5 *SWAP O&M:0.05	2.55	2.5	0.05	Desilting (6570.0cum) , Protection work with Rubble Masonry (2368.19 cum), Concrete(735.41cum),Footpath (270.0sqm),Landscaping, Floating Garden, Garden Benches, Handrails, Lighting systems, Parking Areas, Electrification *Latitude-10.7669167 *Longitude-76.299250 *Area-111.2 cent
55	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Thavitkulam Ward 27 (KL-SHORANUR-14607) *SWAP TOTAL:0.201 *SWAP CAPEX:0.198 *SWAP O&M:0.003	0.201	0.198	0.003	Deepening (122.5cum); Protection work with Rubble Masonry(243.51cum);Concrete(46.64cum), Garden benches; Handrail;Lighting System;Parking area.Floating Garden, etc. *Latitude-10.7742500 *Longitude-76.2479444 *Area-11.12 cent
56	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Koodathikulam Ward 28 (KL-SHORANUR-14608) *SWAP TOTAL:0.2233 *SWAP CAPEX:0.221 *SWAP O&M:0.0023	0.2233	0.221	0.0023	Deepening(173.26cum),Protection Work With Rubble Masonry (300.29cum), Reinforced Cement Concrete(45.02cum), Garden benches;Handrail; Floating Garden, *Latitude-10.7762778 *Longitude-76.2535556 *Area-11.96 cent
57	SHORANUR (M)	AMRUT 2.0 - Rejuvenation of Palattkulam Ward 26 (KL-SHORANUR-14609) *SWAP TOTAL:0.201 *SWAP CAPEX:0.198 *SWAP O&M:0.003	0.201	0.198	0.003	Desilting of Pond(94.240cum), Protection Work With Rubble Masonry (271.334cum), Garden benches, Hand rail, Lighting system,Floating garden, Parking area *Latitude-10.7707778 *Longitude-76.2537778 *Area-8.1 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
58	SHORANUR (M)	AMRUT 2.0 - Kanjirakkuzhikkulam Ward 29 (KL-SHORANUR-14610) *SWAP TOTAL:0.33 *SWAP CAPEX:0.325 *SWAP O&M:0.005	0.33	0.325	0.005	Deepening(262.5cum), Protection Work With Dry Rubble Masonry (447.38cum), Concrete(50.99cum), Drain Garden benches, Handrail,Floating garden, Parking area etc *Latitude-10.77400 *Longitude-76.2656389 *Area-22.48 cent
59	CHALAKUDY (M)	AMRUT 2.0 - Waterbody Rejuvenation of Koranchira Pond in Chalakudy (KL-CHALAKUDY-12586) *SWAP TOTAL:0.283 *SWAP CAPEX:0.28 *SWAP O&M:0.003	0.283	0.28	0.003	Excavation (240.48cum), Protection Work With Rubble Masonry (300.60cum), Concrete (34.03cum), Step, Solid Block (13.5cum), Handrail, Plantation, Water treatment mechanism, etc *Latitude-10.316 *Longitude-76.318 *Area-43 cent
60	CHALAKUDY (M)	AMRUT 2.0 - Water body rejuvenation of Kumaran chira in Chalakudy (KL-CHALAKUDY-12588) *SWAP TOTAL:0.055 *SWAP CAPEX:0.05 *SWAP O&M:0.005	0.055	0.05	0.005	Protection Work With Rubble Masonry(34.65cum), Construction of Ramp & steps, Handrail, Footpath (28.8sqm) Plantation, Nameboard, Water Management, etc *Latitude-10.316 *Longitude-76.318 *Area-49.93 cent
61	CHALAKUDY (M)	AMRUT 2.0 - Water Body Rejuvenation of Vettissery Kulam in Chalakudy Municipality (KL-CHALAKUDY-10353) *SWAP TOTAL:0.066 *SWAP CAPEX:0.06 *SWAP O&M:0.006	0.066	0.06	0.006	Clearing, Desilting, Protection Work With Rubble Masonry (27.3cum), Handrail, Footpath, Plantation, Water Management, Chequered precast CC tiles (90sqm) *Latitude- 10.319 *Longitude-76.323 *Area-31.88 cent
62	CHALAKUDY (M)	AMRUT 2.0 - Water Body Rejuvenation of Periyachira in Chalakudy Municipality (KL-CHALAKUDY-8314) *SWAP TOTAL:0.253 *SWAP CAPEX:0.25 *SWAP O&M:0.003	0.253	0.25	0.003	Cleaning, Footpath(720sqm), Handrail, Construction of Shelter for public recreation, Water management mechanism; Lighting , Seating etc. *Latitude-10.342 *Longitude-76.326 *Area-100 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
63	CHALAKUDY (M)	AMRUT 2.0 - Water Body Rejuvenation of Kadambottukulam in Chalakudy Municipality (KL-CHALAKUDY-10885) *SWAP TOTAL:0.3535 *SWAP CAPEX:0.35 *SWAP O&M:0.0035	0.3535	0.35	0.0035	Excavation(254.02cum), Protection Work With Rubble Masonry(478.56cum), Concrete(33.83cum), Handrail, Footpath(310.0sqm), etc *Latitude-10.341 *Longitude-76.319 *Area-29.91 cent
64	CHALAKUDY (M)	AMRUT 2.0 - Water Body Rejuvenation of Chathankulam in Chalakudy Municipality (KL-CHALAKUDY-10888) *SWAP TOTAL:0.303 *SWAP CAPEX:0.3 *SWAP O&M:0.003	0.303	0.3	0.003	Clearing, Protection Work With Rubble Masonry (168.75 cum), Concrete(40.8cum), Hand rail, Footpath (288.0sqm) *Latitude-10.323 *Longitude-76.316 *Area-85.02 cent
65	CHALAKUDY (M)	AMRUT 2.0 - Water Body Rejuvenation of Kalanchira in Chalakudy Municipality (KL-CHALAKUDY-14527) *SWAP TOTAL:0.101 *SWAP CAPEX:0.1 *SWAP O&M:0.001	0.101	0.1	0.001	Clearing, Desilting(1400m2), Handrail, Footpath(133.8sqm), Name board, Painting etc *Latitude-10.331 *Longitude-76.327 *Area-25.1 cent
66	IRINJALAKUDA (M)	AMRUT 2.0 - Rejuvenation of Kollamkulam Ward:7 (KL-IRINJALAKUDA-9145) *SWAP TOTAL:0.25 *SWAP CAPEX:0.245 *SWAP O&M:0.005	0.25	0.245	0.005	Clearing, Deepening(135.0cum), Protection Work With Rubble Masonary(285 m3), Concrete (48.07cum),hand rail, water treatment mechanisms etc. *Latitude-10.373 *Longitude-76.226 *Area-20 cent
67	IRINJALAKUDA (M)	AMRUT 2.0 - Rejuvenation of Saradhakulam Ward:15 (KL-IRINJALAKUDA-9151) *SWAP TOTAL:0.35 *SWAP CAPEX:0.345 *SWAP O&M:0.005	0.35	0.345	0.005	Clearing, Deepening(2109.350cum), Protection Work With Rubble Masonary(325 m3), hand rail, water treatment mechanisms etc. *Latitude- 10.347 *Longitude-76.226 *Area-9.16 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
68	KONDOTTY	AMRUT 2.0 - Pullithodi Kulam Renovation (KL-KONDOTTY-11265) *SWAP TOTAL:0.07 *SWAP CAPEX:0.06 *SWAP O&M:0.01	0.15	0.14	0.01	Deepening(336.0cum), Protection Work With Rubble Masonry(194.48cum), footpath (14m2),Handrail, Installation of Aerators, Wetland Construction, Water Treatment Mechanism, etc. *Latitude-11.12684 *Longitude-75.99698 *Area-8.3 cent
69	KONDOTTY	AMRUT 2.0 - Kunnath Chola pond renovation and improvement of kunnath chola tourism project at Kondotty Municipality (KL-KONDOTTY-15177) *SWAP TOTAL:0.75 *SWAP CAPEX:0.7 *SWAP O&M:0.05	1.09	1.04	0.05	Excavation(405.6cum), Protection Work With Rubble Masonry (453.35cum), Concrete (509.38cum),Water treatment Mechanism,, Wetlands, Aerators, Footpath(719.85sqm), Benches and Backrest, Granite and stone Pavement, Handrail, Tree Guard, Electrification, Tree Guard *Latitude-11.14367 *Longitude-75.98205 *Area-124.8 cent
70	KONDOTTY	AMRUT 2.0 - Palliyali Kulam Renovation (KL-KONDOTTY-11385) *SWAP TOTAL:0.0385 *SWAP CAPEX:0.0285 *SWAP O&M:0.01	0.0385	0.0285	0.01	Drain, Gardens,Handrail, Installation of Aerators, Footpath(41.120sqm), *Latitude-11.13242 *Longitude-75.99005 *Area-7.41 cent
71	KONDOTTY	AMRUT 2.0 - Kottukkara Aryambil Chola Renovation (KL-KONDOTTY-9126) *SWAP TOTAL:0.16 *SWAP CAPEX:0.14 *SWAP O&M:0.02	0.25	0.23	0.02	Deepening(700.0cum), Protection Work With Rubble Masonry (54cum),Footpath(370.0sqm), Handrail, Aerators, Floating Wetlands,etc. *Latitude-11.14148 *Longitude-75.98868 *Area-30.89 cent
72	KONDOTTY	AMRUT 2.0 - Cheruppadi Pothukulam Renovation (KL-KONDOTTY-9135) *SWAP TOTAL:0.14 *SWAP CAPEX:0.12 *SWAP O&M:0.02	0.14	0.12	0.02	Protection Work With Rubble Masonry (38.19cum), Concrete(40.63cum), Drain, Rainwater Recharge Pits, Gardens, Footpath (60.5sqm), Handrail,etc. *Latitude-11.11086 *Longitude-75.98825 *Area-4.94 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
73	KONDOTTY	AMRUT 2.0 - Kundamchola Kulam Renovation (KL-KONDOTTY-9137) *SWAP TOTAL:0.02 *SWAP CAPEX:0.018 *SWAP O&M:0.002	0.102	0.1	0.002	Cleaning, Deepening (54.8cum), Inflow Channel Restoration, Installation of proper sewage system, Introducing Native Plants, Rainwater Recharge Pits, Aerators, Water Treatment Mechanisms, Electrification *Latitude-11.12785 *Longitude-76.00801 *Area-9.98 cent
74	KONDOTTY	AMRUT 2.0 - Kottassery Kulam Renovation (KL-KONDOTTY-9142) *SWAP TOTAL:0.07 *SWAP CAPEX:0.06 *SWAP O&M:0.01	0.07	0.06	0.01	Deepening (259.20cum), Protection Work With Rubble Masonry(78.30cum), Concrete(13.40cum), Handrails, Constructed Wetland, Aerators etc *Latitude-11.11484 *Longitude-75.97208 *Area-9.9 cent
75	KONDOTTY	AMRUT 2.0 - Madathil Thodu Kulam Renovation (KL-KONDOTTY-9150) *SWAP TOTAL:0.098 *SWAP CAPEX:0.088 *SWAP O&M:0.01	0.098	0.088	0.01	Protection Work With Rubble Masonry (22.28cum), Handrail, Footpath(10.5sqm), Desilting, Weed Removal, Pollution Source Control, *Latitude-11.14305 *Longitude-75.96142 *Area-2.72 cent
76	KONDOTTY	AMRUT 2.0 - Onil Kulam Renovation (KL-KONDOTTY-11245) *SWAP TOTAL:0.07 *SWAP CAPEX:0.06 *SWAP O&M:0.01	0.07	0.06	0.01	Cleaning, Deepening(259.2cum), Protection Work With Rubble Masonry (72.8cum), Concrete(17.65cum), Rainwater recharge pits, Gardens, Handrail *Latitude-11.12971 *Longitude-75.97634 *Area-7.40 cent
77	KONDOTTY	AMRUT 2.0 - Koonayil Kulam Renovation (KL-KONDOTTY-11248) *SWAP TOTAL:0.012 *SWAP CAPEX:0.01 *SWAP O&M:0.002	0.012	0.01	0.002	Cleaning, Protection work with Rubble Masonry (4.83cum), Handrails, *Latitude-11.16126 *Longitude-75.97046 *Area-4.94 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
78	KONDOTTY	AMRUT 2.0 - Neerad Kulam Renovation (KL-KONDOTTY-11249) *SWAP TOTAL:0.07 *SWAP CAPEX:0.06 *SWAP O&M:0.01	0.07	0.06	0.01	Deepening (580cum), Protection Work With Rubble Masonry (53.20cum), Rainwater recharge pits, Handrail, Footpath (41.70sqm), Compound Wall *Latitude-11.16933 *Longitude-75.96408 *Area-9.88 cent
79	MANJERI (M)	AMRUT 2.0 - SWAP 3 - Rejuvenation of Nedugappara Quarry by Urban Green Belt and water conservation and beautification project - Phase 1 works (KL-MANJERI-17422) *SWAP TOTAL:1.55 *SWAP CAPEX:1.5 *SWAP O&M:0.05	1.55	1.5	0.05	Protection Work With Rubble Masonry(39.80cum), Aerator, Drainage Network system, Pisciculture, Plantations, Floating Wetland, Water Reservoir, Water Filtration Units, Miyawaki Forest, Park, Boating, Recreational Area, Parking Area, Gallery Space With Playground, Walkway, Fencing *Latitude-11.11947 *Longitude-76.1786 *Area-600 cent
80	THRISSUR	AMRUT 2.0 - SWAP 3 - Rejuvenation of Anakkulam Well (Div 47) (KL-THRISSUR-17439) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Cleaning, deepening(746.295cum); Steps; water supply arrangements; Handrail, Concrete for Well steining (9.5 M), bottom kerb, Tie beams etc. (65.545 cum); well cover (290kg); etc. *Latitude- 10.52535 *Longitude-76.170709 *Area-2.72 cent
81	THRISSUR	AMRUT 2.0 - SWAP 3 - Renovation of Koodamkulam (Div 04) (KL-THRISSUR-17442) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Clearing, Dismantling old damaged masonry(27m3); Protection with rubble (388.705cum), concrete (82.43cum), Handrails, CC Footpath (237.50sqm) *Latitude-10.561602 *Longitude-76.214662 *Area-24.95cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
82	THRISSUR	AMRUT 2.0 - SWAP 3 - Renovation works of Mambazhakkadkulam (Div 43) (KL-THRISSUR-17452) *SWAP TOTAL:0.27 *SWAP CAPEX:0.24 *SWAP O&M:0.03	0.27	0.24	0.03	Clearing, Deepening (162.5cum, Concrete (7.914cum), Solid block masonry (8.010cum), Fencing, Padippura, Benches, Electrification, Plantation, Handrail, Footpath. (405.000sqm), etc *Latitude-10.47973 *Longitude-76.202962 *Area-120.10 cent
83	THRISSUR	AMRUT 2.0 - SWAP 3 - Renovation of PanniamkulangaraLakshmi Varahamoorthy Pond (Div 55) (KL-THRISSUR-17456) *SWAP TOTAL:0.25 *SWAP CAPEX:0.21 *SWAP O&M:0.04	0.25	0.21	0.04	Excavation (115.01cum), Protection Work With Rubble Masonry (138.19cum), Concrete (28.60cum) , Solid Block(10.90cum), Footpath (205.21sqm), Fencing etc *Latitude-10.529668 *Longitude-76.183363 *Area-50.16 cent
84	THRISSUR	AMRUT 2.0 - SWAP 3 - Rejuvenation of Sreedharamangalam Pond (Div 41) (KL-THRISSUR-17458) *SWAP TOTAL:0.9 *SWAP CAPEX:0.85 *SWAP O&M:0.05	0.9	0.85	0.05	Clearing, Excavation (1108 cum), Protection Work With Rubble Masonry (915.9cum), Concrete (163.4cum), Footpath (264.0sqm), Handrails, Electrification, Bench, Water treatment mechanism, etc. *Latitude-10.495382 *Longitude-76.204762 *Area-37.07 cent
85	THRISSUR	AMRUT 2.0 - SWAP 3 - Rejuvenation works of Vettuvankulam (Div 32) (KL-THRISSUR-17459) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Clearing, Deepening (661.5cum), Protection Work With Rubble Masonry (562.73cum), Concrete (68.13cum), Handrail, Footpath(208.0sqm), Bench, Electrification, Water treatment mechanism etc *Latitude-10.488962 *Longitude- 76.222815 *Area-50.16cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
86	THRISSUR	AMRUT 2.0 - Water Body Rejuvenation at Anakulam (Phase 2) in Division 15 (KL-THRISSUR-15247) *SWAP TOTAL:1.9 *SWAP CAPEX:1.8 *SWAP O&M:0.1	1.9	1.8	0.1	Clearing, Protection Work With Rubble Masonry (544.07cum), Footpath(3700.0sqm), Laterite Wall(114.0cum), Concrete (49.01cum),Solid Block Masonry(8.81cum), Handrail, Electrification, Toilet etc *Latitude-10.52741 *Longitude-76.254118 *Area-235.99 cent
87	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Adithyakulam (Div 41) (KL-THRISSUR-15248) *SWAP TOTAL:0.405 *SWAP CAPEX:0.4 *SWAP O&M:0.005	0.405	0.4	0.005	Clearing, Deepening(207.40cum), Protection Work With Rubble Masonry (665.57cum), Padavu, Handrail, Concrete (26.92 cum), Solid block masonry(15.75cum), Water treatment mechanism etc *Latitude- 10.496569 *Longitude-76.209297 *Area-17.05 cent.
88	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Herbert Nagar Kulam (Kadamkulam) [Div 43] (KL-THRISSUR-15251) *SWAP TOTAL:0.424 *SWAP CAPEX:0.42 *SWAP O&M:0.004	0.424	0.42	0.004	Clearing, Deepening (1300.0cum), Protection Work With Rubble Masonry (350.0cum), Solid block masonry(2.25cum), Concrete(5.0cum), Footpath (1200.0sqm), HandRails, Compound Wall, Water treatment mechanism etc.. *Latitude- 10.490533 *Longitude-76.209003 *Area-98.85 cent
89	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Panamkuttichirakulam (Div 29) (KL-THRISSUR-15253) *SWAP TOTAL:1.01 *SWAP CAPEX:1 *SWAP O&M:0.01	1.01	1	0.01	Clearing, Deepening (4554.0cum), Dismantling Rubble Masonry(118cum), Protection Work With Rubble Masonry (336.0cum), Concrete(114.81cum), Solid Block (20.62cum), Footpath (912.0sqm),Drain, Handrail, Electrification, Gate etc *Latitude-10.482088 *Longitude-76.23967 *Area-80.06 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
90	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Mullanpaarakulam (Div 22) (KL-THRISSUR-15257) *SWAP TOTAL:0.3252 *SWAP CAPEX:0.322 *SWAP O&M:0.0032	0.3252	0.322	0.0032	Clearing, Deepening (493.20cum), Protection work with Rubble Masonry (287.68cum), Solid masonry(11.10cum), Concrete (24.0cum), Footpath(115.05sqm), Electrification, Handrail etc *Latitude-10.513665 *Longitude-76.232983 *Area-23.23 cent
91	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Bhoothakulam (Div 23) (KL-THRISSUR-15258) *SWAP TOTAL:0.1025 *SWAP CAPEX:0.1 *SWAP O&M:0.0025	0.1025	0.1	0.0025	Deepening (464.1cum), Concrete (11.58cum) , Solid block(9.50cum), HandRail , Water Treatment Mechanism etc *Latitude-10.50873 *Longitude-76.232222 *Area-30.15 cent
92	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Jordan Valley Kulam (Div 45) (KL-THRISSUR-15262) *SWAP TOTAL:0.053 *SWAP CAPEX:0.05 *SWAP O&M:0.003	0.053	0.05	0.003	Clearing, Deepening (281.6cum), Solid Block (0.24cum), Padavu, Footpath (160.90sqm), Concrete (0.62cum), Water Treatment Mechanism, Electrification, etc *Latitude- 10.512093 *Longitude-76.176412 *Area-6.18 cent
93	THRISSUR	AMRUT 2.0 - Rejuvenation of Puthanvettukayal (Div 44) (KL-THRISSUR-15272) *SWAP TOTAL:0.86 *SWAP CAPEX:0.85 *SWAP O&M:0.01	0.86	0.85	0.01	Demolishing rubble masonry, Clearing, Deepening (2430.0cum), Protection work with Rubble Masonry (1394.4cum), Concrete (58.83cum), Water Treatment Mechanism, Padavu, HandRail, Footpath(441.0sqm). *Latitude-10.482735 *Longitude-76.201703 *Area-74.14 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
94	THRISSUR	AMRUT 2.0 - Waterbody Rejuvenation - Pottakulam (Division 14) (KL-THRISSUR-15273) *SWAP TOTAL:0.4 *SWAP CAPEX:0.39 *SWAP O&M:0.01	0.4	0.39	0.01	Clearing, Dismantling Rubble Masonry (207.0cum), Deepening (579.60cum), Protection work with Rubble Masonry (500.4cum), Concrete (24.9 cum), Solid Block Masonry (12.0 cum), HandRail(3Tonne), Footpath (211.50sqm), Electrification, Water Treatment Mechanism, etc *Latitude-10.520447 *Longitude-76.235973 *Area-22 cent
95	THRISSUR	AMRUT2.0 - Waterbody Rejuvenation - Alumkulam - Div 34 (KL-THRISSUR-8928) *SWAP TOTAL:0.405 *SWAP CAPEX:0.4 *SWAP O&M:0.005	0.363	0.358	0.005	Clearing, Deepening (192.0cum), Dismantling Rubble Masonry, Protection work with Rubble Masonry (465.25 cum), Concrete (61.24cum), Solid Block (29.99cum), Footpath (134.00sqm.), Electrification, Compound Wall, Handrails, Gate, Fencing, Water Treatment Mechanism, etc *Latitude-10.509786 *Longitude-76.211292 *Area-38.06 cent
96	THRISSUR	AMRUT 2.0 - Thrissur Corporation - Waterbody Rejuvenation - Paduthalakulam Div 34 (KL-THRISSUR-15076) *SWAP TOTAL:0.404 *SWAP CAPEX:0.4 *SWAP O&M:0.004	0.404	0.4	0.004	Clearing, Dismantling Rubble Masonry, Deepening (1750.0cum), Dry Rubble Masonry (276.0cum), Concrete (35.157cum), Solid block(25.74cum), Compound Wall, Grills, Benches, HandRails, Padavu, Water Treatment Mechanism, Electrification etc *Latitude-10.5063 *Longitude-76.213688 *Area-138.3872 cent
97	NEYATTINKARA (M)	Thoppu kulam Rejuvenation in Kavalakulam Ward in Neyyattinkara Municipality (KL-NEYATTINKARA-9970) *SWAP TOTAL:0.412 *SWAP CAPEX:0.4 *SWAP O&M:0.012	0.412	0.4	0.012	Clearing, Deepening(1596.1cum) , Protection work with Rubble Masonry (300.57cum), Concrete(82.86cum), Handrail, Footpath (625.0sqm), Landscaping ,Electrification, Water Treatment Mechanism, etc *Latitude-8.3909 *Longitude-77.0743 *Area-80 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
98	THIRUVANANTHAPURAM	Rejuvenation of Pengattukonamkulam in Vazhottukonam ward (KL-THIRUVANANTHAPURAM-15616) *SWAP TOTAL:0.6695 *SWAP CAPEX:0.65 *SWAP O&M:0.0195	0.6695	0.65	0.0195	Clearing, Excavation (275.52cum), Protection Work with Rubble Masonry (288.64cum), Footpath (611.0sqm), Concrete (22.5cum), Compound Wall, Steps, Boundary fencing, Handrails, Floating Wetland, Aerator, Plantation etc *Latitude-8.52465 *Longitude-76.99424 *Area-92.67 cent
99	THIRUVANANTHAPURAM	Rejuvenation of Nadukolchira Kulam in Mannanthala Ward (KL-THIRUVANANTHAPURAM-15617) *SWAP TOTAL:0.68 *SWAP CAPEX:0.65 *SWAP O&M:0.03	0.68	0.65	0.03	Cleaning, Deepening (3960.0cum), Protection Work With Rubble Masonry (134.55 cum), Concrete(68.4cum), Footpath (693.0sqm),Fencing, Handrail, Water Quality Monitoring, Plantation, Children Park Equipment (seesaw, swing, slide), Aerator, Floating Wetland, Solar Panel etc *Latitude- 8.562623 *Longitude-76.946216 *Area-89 cent
100	THIRUVANANTHAPURAM	Rejuvenation of Konathukulam in Melamkode Ward (KL-THIRUVANANTHAPURAM-15618) *SWAP TOTAL:0.481 *SWAP CAPEX:0.467 *SWAP O&M:0.014	0.481	0.467	0.014	Clearing, Excavation (85.2cum), Protection Work with Rubble Masonry(223.60cum), Concrete(117.98cum), Drain, Footpath (165.60 sqm), Water Quality Monitoring, Plantation, Floating wetlands, Stone Bench, Aerator, etc *Latitude- 8.4669 *Longitude-76.9822 *Area-60 cent
101	THIRUVANANTHAPURAM	Rejuvenation of Aarivilantikunam Kulam in Estate Ward (KL-THIRUVANANTHAPURAM-15619) *SWAP TOTAL:0.94 *SWAP CAPEX:0.91262 *SWAP O&M:0.02738	0.94	0.91262	0.02738	Clearing, Excavation(281.25cum), Protection work with Rubble Masonry(956.25cum), Concrete(70cum), Water Quality Monitoring, Plantation, Stone Bench, Floating wetlands, Aerator, etc *Latitude-8.474603 *Longitude-76.98761 *Area-50 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
102	THIRUVANANTHAPURAM	Rejuvenation of Malapparikonam pond in Powdikonam ward (KL-THIRUVANANTHAPUR AM-15620) *SWAP TOTAL:0.5099 *SWAP CAPEX:0.49505 *SWAP O&M:0.01485	0.5099	0.49505	0.01485	Clearing, Deepening(3150.0cum), Protection work with Rubble Masonry(265.81cum), Concrete (64.37cum), Water Quality Monitoring, Plantation, Footpath(935.0 sqm), Aerator, Handrails, Floating Wetlands, Gardening etc.. *Latitude-8.573233 *Longitude-76.934863 *Area-43 cent
103	THIRUVANANTHAPURAM	Rejuvenation of Irunkunnam kulam in Nettayam ward. (KL-THIRUVANANTHAPUR AM-15621) *SWAP TOTAL:0.6025 *SWAP CAPEX:0.585 *SWAP O&M:0.0175	0.6025	0.585	0.0175	Excavation(142.2cum), Protection work with Rubble Masonry(371.1cum), Concrete (31.22cum), Footpath(563.0sqm), Construction of Steps, Handrail, Planting, Floating Aerator, Floating Wetland, Water Treatment Mechanism, Gardening etc *Latitude-8.542777 *Longitude- 76.986480 *Area-29.4 cent
104	THIRUVANANTHAPURAM	Rejuvenation of Ellavumoottukulam in Kodunganoor Ward. (KL-THIRUVANANTHAPUR AM-15622) *SWAP TOTAL:0.618 *SWAP CAPEX:0.6 *SWAP O&M:0.018	0.618	0.6	0.018	Cleaning,Excavation(114.0cum) , Protection work with Rubble Masonry(349.45cum), Concrete(143.73cum), Drain, Compound Wall, Water Quality Monitoring,Construction of steps, Handrail, Aerator, Plantation, Floating Wetland, Gardening etc *Latitude-8.51934 *Longitude-77.003403 *Area-27.68 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
105	THIRUVANANTHAPURAM	Rejuvenation of Vettamukku Kattachal kulam in Pangode ward (KL-THIRUVANANTHAPURAM-15623) *SWAP TOTAL:0.72 *SWAP CAPEX:0.7 *SWAP O&M:0.02	0.72	0.7	0.02	Excavation (218.40cum), Protection work with Rubble Masonry(140.10cum), Concrete(167.12cum), Solid Block (6.30cum), Drain, Compound Wall, Chidrens Play Equipment(swing, slides, Merry go round, spring riders, climber, See- saw, Tubes, Jungle gym Monkey bar), Footpath(191.0sqm), Floating Wetland, Aerators, Water Quality Monitoring, Handrails, Electrification etc *Latitude-8.50793 *Longitude-76.98677 *Area-39 cent
106	THIRUVANANTHAPURAM	Rejuvenation of Kallaramadom Kulam in Thirumala Ward (KL-THIRUVANANTHAPURAM-15624) *SWAP TOTAL:1 *SWAP CAPEX:0.97 *SWAP O&M:0.03	1	0.97	0.03	Deepening (3200.0 cum), Protection work with Rubble Masonry(763.42cum), Concrete (176.4cum), Footpath(480.0 sqm), Handrails, Water Quality Monitoring, Electrification etc *Latitude-8.497076 *Longitude-76.98785 *Area-79 cent
107	THIRUVANANTHAPURAM	Renovation of Valiyakulam Pond in Karikkakam Ward (KL-THIRUVANANTHAPURAM-14417) *SWAP TOTAL:0.52 *SWAP CAPEX:0.49 *SWAP O&M:0.03	0.52	0.49	0.03	Deepening(675.0cum), Concrete(182.66cum), Footpath(210.0sqm), Brick Work, Handrails, Water Quality Monitoring, Drain, Culvert, Floating Wetland, Aerators, Fencing, Light, CCTV, Bench, Electrification etc. *Latitude-8.499845 *Longitude-76.909458 *Area-36 cent
108	THIRUVANANTHAPURAM	Renovation of Nambidikonam Kulam in Kattayikonam Ward (KL-THIRUVANANTHAPURAM-14421) *SWAP TOTAL:0.735 *SWAP CAPEX:0.7 *SWAP O&M:0.035	0.735	0.7	0.035	Demolishing rubble masonry, Protection work with Rubble Masonry(698.45cum), Concrete (143.06cum), Footpath(312.0sqm), Water treatment Mechanism, Handrails, Plantation, etc.. *Latitude-8.5827 *Longitude-76.9016 *Area-51.89 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
109	THIRUVANANTHAPURAM	Renovation of Madathil Kulam in Sreekariyam Ward (KL-THIRUVANANTHAPURAM-15517) *SWAP TOTAL:1.03 *SWAP CAPEX:1 *SWAP O&M:0.03	1.03	1	0.03	Cleaning, Deepening(2240.0cum, Protection work with Rubble Masonry(35.10cum), Concrete protection works (215.51cum), Solid Block (15.95cum), Step, Open Gym Equipments(chest press, pull down, hand rotator, dip and leg press), Footpath (239.0sqm), Water treatment Mechanism, Drain, Culvert, Fencing, Bench, Seating, Electrification, Plantation etc *Latitude-8.548371 *Longitude-76.932297 *Area-161 cent
110	THIRUVANANTHAPURAM	Rejuvenation of Chathiyod pond in Kinavoor ward (KL-THIRUVANANTHAPURAM-15519) *SWAP TOTAL:0.6 *SWAP CAPEX:0.58 *SWAP O&M:0.02	0.6	0.58	0.02	Clearing, Excavation(55.4cum) Protection work with Rubble Masonry(3.96 cum), Concrete protection wall (142.85cum), Footpath(271.25sqm), Floating Wetland, Aerator, Electrification, Water Treatment Mechanism, Handrails etc.. *Latitude-8.543463 *Longitude-76.95008 *Area-100 cent
111	THIRUVANANTHAPURAM	Rejuvenation of Kuttichakonam pond in Pathirappally ward (KL-THIRUVANANTHAPURAM-15521) *SWAP TOTAL:0.67 *SWAP CAPEX:0.65 *SWAP O&M:0.02	0.67	0.65	0.02	Clearing, Deepening(122.8cum), Protection work with Rubble Masonry(20.88cum), Concrete protection wall (200.63cum), Footpath(224.0sqm), Water treatment mechanism, Floating Wetland, Electrification, Fencing, Bench, Handrails, GI Chain Link etc.. *Latitude-8.554741 *Longitude-76.958769 *Area-100 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
112	THIRUVANANTHAPURAM	Renovation of Valiyakulam Pond in Thaliyal in Kalady Ward (KL-THIRUVANANTHAPUR AM-14257) *SWAP TOTAL:1 *SWAP CAPEX:0.95 *SWAP O&M:0.05	1	0.95	0.05	Clearing, Excavation(585.00cum), Protection work with Rubble Masonry(948.26cum), Concrete protection wall (180.45cum), , Aerators, Water Treatment Mechanism, Floating Wetland, Handrail, Stone Benches, Electrification, Drains etc *Latitude-8.4690 *Longitude-76.9666 *Area-111 cent
113	THIRUVANANTHAPURAM	Maintenance of Thamarabhagom Pond in Medical College Ward (KL-THIRUVANANTHAPUR AM-14319) *SWAP TOTAL:0.42 *SWAP CAPEX:0.4 *SWAP O&M:0.02	0.42	0.4	0.02	Deepening(700.0cum), Protection work with Rubble Masonry (255.0cum), Concrete(72.0cum), Footpath(445.0sqm), Water Treatment Mechanism, Plantations, Handrails, etc *Latitude-8.51618 *Longitude-76.93057 *Area-34 cent
114	THIRUVANANTHAPURAM	Renovation of Perumkarikkinchira Pond in Kazhakkuttam ward (KL-THIRUVANANTHAPUR AM-15599) *SWAP TOTAL:0.275 *SWAP CAPEX:0.265 *SWAP O&M:0.01	0.275	0.265	0.01	Clearing, Protection work with Rubble Masonry(189.00cum), Concrete(13.14cum), Footpath(295.0sqm), Drain , Water Quality Monitoring, Garden, Ramp, Fencing, Seating, Benches, Handrail, Electrification etc.. *Latitude-8.563923 *Longitude-76.86993 *Area-99.98 cent
115	THIRUVANANTHAPURAM	Rejuvenation of Kavukonamchira in Attipra ward (KL-THIRUVANANTHAPUR AM-15601) *SWAP TOTAL:0.8 *SWAP CAPEX:0.78 *SWAP O&M:0.02	0.8	0.78	0.02	Excavation(270cum), Protection work with Rubble Masonry(457.65cum), Concrete(231.0cum), Footpath(229.29sqm), Handrails, Plantation, Water treatment Mechanism, Lighting etc.. *Latitude-8.552539 *Longitude-76.887345 *Area-63 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
116	THIRUVANANTHAPURAM	Rejuvenation of Avuthankode Pond in Vattiyoorkavu ward (KL-THIRUVANANTHAPURAM-15602) *SWAP TOTAL:0.485 *SWAP CAPEX:0.47 *SWAP O&M:0.015	0.485	0.47	0.015	Deepening (913.5cum), Protection work with Rubble Masonry (264.6cum), Concrete(79.15cum), Solid Block (15cum), Footpath(210.0sqm), Water Treatment Mechanisms, Fencing, Handrail, Drain, GI Chain Link, etc *Latitude-8.52945 *Longitude-76.98646 *Area-30 cent
117	THIRUVANANTHAPURAM	Rejuvenation to Kottukkonam Kulam in Punnaykkamugal Ward (KL-THIRUVANANTHAPURAM-15605) *SWAP TOTAL:0.845 *SWAP CAPEX:0.82 *SWAP O&M:0.025	0.845	0.82	0.025	Clearing, Deepening (607.50cum), Protection work with Rubble Masonry (60.120cum), Concrete(191.08cum), Solid Block (9.81cum), Footpath(830sqm), Construction of steps, Handrail, Fencing, Floating wetlands, Aerator, Electrification, Waterbody Treatment mechanism, Seating etc *Latitude- 8.490909 *Longitude-76.996614 *Area-40 cent
118	THIRUVANANTHAPURAM	Renovation of Omanakulam at Akkulam ward (KL-THIRUVANANTHAPURAM-15607) *SWAP TOTAL:0.549 *SWAP CAPEX:0.5354 *SWAP O&M:0.0136	0.549	0.5354	0.0136	Deepening(1400.0cum), Protection work with Rubble Masonry (487.88cum), Concrete(64.3cum), Step, Footpath(238.0sqm), Handrail, Aerator, Floating Wetlands, Bench etc.. *Latitude-8.526582 *Longitude-76.914408 *Area-59.3 cent
119	THIRUVANANTHAPURAM	Renovation Of Rajarajeswary Pond In Kottapuram Ward (KL-THIRUVANANTHAPURAM-15608) *SWAP TOTAL:0.67 *SWAP CAPEX:0.65 *SWAP O&M:0.02	0.67	0.65	0.02	Deepening(900.0cum), Protection work with Rubble Masonry (426.57cum), Concrete(67.1cum), Handrail, Fencing, Brickwork, Footpath (386.1sqm), Floating wetlands, Aerator, Electrification, Waterbody Treatment mechanism, Construction of Steps, Benches, Childrens Park(swing set, slides, Merry go round and Seesaw) etc *Latitude- 8.38132 *Longitude-77.00248 *Area-34.99 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
120	THIRUVANANTHAPURAM	Renovation of Keezhetikavu (Puthukulam) pond at Cheuvaikal ward (KL-THIRUVANANTHAPUR AM-15610) *SWAP TOTAL:0.5448 *SWAP CAPEX:0.531 *SWAP O&M:0.0138	0.5448	0.531	0.0138	Deepening (1400cum), Protection work with Rubble Masonry(346.9cum), Concrete(54.4cum), Footpath (256.0sqm), Floating Wetland, Aerators, Water Quality Monitoring, Bench, Handrails, Electrification etc *Latitude-8.538239 *Longitude-76.916732 *Area-49.42 cent
121	THIRUVANANTHAPURAM	Renovation of Paraykkottukonam Kulam in Edavakkode Ward (KL-THIRUVANANTHAPUR AM-15611) *SWAP TOTAL:0.2508 *SWAP CAPEX:0.2446 *SWAP O&M:0.0062	0.2508	0.2446	0.0062	Clearing, Deepening(1251.31cum), Protection work with Rubble Masonry(35.28cum), Concrete(30.46cum), Solid Block (12.6cum), Drain(RCC - 42.39cum), Floating Wetland, Aerators, Water Quality Monitoring, Electrification etc *Latitude-8.553842 *Longitude-76.921913 *Area-30.89 cent
122	THIRUVANANTHAPURAM	Construction Of Cherukarakonam Kulam Work In Pattom Ward (KL-THIRUVANANTHAPUR AM-15612) *SWAP TOTAL:0.9429 *SWAP CAPEX:0.9129 *SWAP O&M:0.03	0.9429	0.9129	0.03	Cleaning, Deepening (8976.0cum), Protection work with Rubble Masonry(881.92cum), Concrete (59.4cum), Solid Block(59.40cum), Footpath(178.2sqm), Water Quality Monitoring, Floating Wetland, Aerators, Handrails etc *Latitude-8.523856 *Longitude-76.930455 *Area-52 cent
123	THIRUVANANTHAPURAM	Renovation of Kannottukonam Kulam in Ulloor Ward (KL-THIRUVANANTHAPUR AM-15613) *SWAP TOTAL:0.0429 *SWAP CAPEX:0.04184 *SWAP O&M:0.00106	0.0429	0.04184	0.00106	Clearing, Deepening(157.5cum), Conveyance of desilted Earth, Plantation, Aerators, Water Quality Monitoring, etc *Latitude-8.534115 *Longitude-76.926626 *Area-43.24 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
124	THIRUVANANTHAPURAM	Maintenance of Kuzhikattukonam pond at Chandhavila Ward (KL-THIRUVANANTHAPURAM-15615) *SWAP TOTAL:0.2565 *SWAP CAPEX:0.24903 *SWAP O&M:0.00747	0.2565	0.24903	0.00747	Excavation (48cum), Protection work with Rubble Masonry (185.6cum), Concrete(13.14cum), Footpath(295.0sqm), Floating Wetland, Aerators, Water Quality Monitoring, Bench, etc *Latitude- 8.595353 *Longitude-76.881524 *Area-59.97 cent
125	NEDUMANGAD (M)	Rejuvenation of Nagarikunnu pond in Nagarikunnu ward (KL-NEDUMANGAD-15630) *SWAP TOTAL:0.0604 *SWAP CAPEX:0.05865 *SWAP O&M:0.00175	0.0604	0.05865	0.00175	Cleaning, Deepening(323.25cum), Protection work with Rubble Masonry(35.70cum), Concrete(1 cum), GI Chain Link, Fencing etc *Latitude-8.6123 *Longitude-76.9922 *Area-5 cent
126	NEDUMANGAD (M)	Rejuvenation of Punnavelilkonam pond (KL-NEDUMANGAD-15632) *SWAP TOTAL:0.1443 *SWAP CAPEX:0.1401 *SWAP O&M:0.0042	0.1443	0.1401	0.0042	Cleaning, Deepening(247.5cum), Excavation (46.20cum), Protection work with Rubble Masonry(151.20cum), Concrete (3.5cum), Fencing, GI Chain Link etc. *Latitude-8.5959 *Longitude-77.0133 *Area-30 cent
127	NEDUMANGAD (M)	Rejuvenation of Maginikonam Pond (KL-NEDUMANGAD-15634) *SWAP TOTAL:0.0984 *SWAP CAPEX:0.09554 *SWAP O&M:0.00286	0.0984	0.09554	0.00286	Cleaning, Excavation (54.0cum), Protection work with Rubble Masonry(129.40cum), Concrete(3.5cum), GI Chain Link, Water Quality Monitoring, Fencing, etc *Latitude-8.6198 *Longitude-77.0103 *Area-15 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
128	NEDUMANGA D (M)	Rejuvenation of Pengottukonam pond (KL-NEDUMANGAD- 15635) *SWAP TOTAL:0.1701 *SWAP CAPEX:0.16515 *SWAP O&M:0.00495	0.1701	0.16515	0.00495	Cleaning, Deepening (280.0cum), Excavation (52.80cum), Protection work with Rubble Masonry(172.80cum), Concrete(4cum), Footpath(58.05sqm), Water Quality Monitoring, GI Chain Link etc *Latitude-8.6137 *Longitude-77.0150 *Area-29.65 cent
		Total(Tranche III)	59.602	56.855	2.747	
		Total (Tranche II & III)	65.652	62.66	2.992	

B. APPROVED LIST OF PARKS & GREEN SPACES PROJECTS BY THE 10TH SHPSC						
Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
1	CHENGANNUR (M)	Municipal Park at Edanad (ward 8) of Chengannur municipality (KL-CHENGANNUR-14650) *SWAP TOTAL:0.3 *SWAP CAPEX:0.27 *SWAP O&M:0.03	0.3	0.27	0.03	Walkways, Jogging track, Bicycle Track, Paved Pathways, Electrification, fencing , gates , Plantations, Children's Playground, Area for old age and specially abled group, Open Gym, Sitting space, Open Cafe spaces, Ticket counter, Toilet, Drinking fountains and water refill stations, Drainage arrangement for proper drain, Surveillance cameras, Football Court etc. *Latitude-9.3384 *Longitude-76.6342 *Area-247.12 cent
2	HARIPAD	AMRUT 2.0 Haripad Municipality Parks & Green Space - Development Of Park Near Balamuruga Temple Pond (KL-HARIPAD-14910) *SWAP TOTAL:0.28 *SWAP CAPEX:0.25 *SWAP O&M:0.03	0.28	0.25	0.03	Walkways and Jogging Track, Electrification, Seating arrangements, Plantation, Smart Dustbins ,Facilities for Elderly and Specially Abled, Children's Play equipments,Ambient Lightening, Footpath(607.50sqm) . *Latitude-9.2754 *Longitude-76.6342 *Area-17.05 cent
3	HARIPAD	AMRUT 2.0-Haripad Municipality -Parks and Green spaces- Beautification and Development of Park near Arayakulangara Devi Temple Pond (KL-HARIPAD-15066) *SWAP TOTAL:0.39 *SWAP CAPEX:0.3 *SWAP O&M:0.09	0.39	0.3	0.09	Walkways and benches, Plantation, Open Gym , Footpath (1010 sqm), Landscape, Park Equipments, Stage, Compound walls, Light Poles etc. *Latitude-9.27367618 *Longitude-76.6342 *Area-84.76 cent
4	ALAPPUZHA (M)	AMRUT 2.0 - Parks & Green Space Development - Alappuzha Municipality- Development of Park near Alissery Temple pond in Alissery ward (KL-ALAPPUZHA-14751) *SWAP TOTAL:0.26 *SWAP CAPEX:0.2 *SWAP O&M:0.06	0.26	0.2	0.06	Compound wall (Rubble Masonry=25.92cum), Footpath(241.0sqm), Seating, Chair, Landscaping, Plantation , Electrification , Waste Bin etc.. *Latitude-9.485587 *Longitude-76.6342 *Area-13.34 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
5	CHERTHALA (M)	AMRUT 2.0-Cherthala municipality- Beautification of Cherakulam pond- Construction of open park (KL-CHERTHALA-14659) *SWAP TOTAL:0.325 *SWAP CAPEX:0.3 *SWAP O&M:0.025	0.325	0.3	0.025	Walkway/Jogging tracks, Cast Iron Garden Bench, Concrete Bench with mirror polished granite, Children playing equipments(Slide, Swing, Climbing Frames, Chain swing, Orbital ladder), FRP moulded Penguin style waste bin, Smart solar AIO Street light, Royal palm tree, Plantation, High compound wall, Compound wall [(Random Rubble Masonry -17.8cum, Solid Block - 23.967cum)], Footpath (551.0sqm) *Latitude-9.673605 *Longitude-76.6342 *Area-19.52 cent
6	MARADU(M)	AMRUT-2.0- Construction of Ommen Chandy Park on the sides of Kettezhathukadavu road in div 23 in Maradu municipality (KL-MARADU(M)-15045) *SWAP TOTAL:0.75 *SWAP CAPEX:0.7 *SWAP O&M:0.05	0.75	0.7	0.05	Clearing, Footpath (1572.0sqm), Parking area, Handrail, Benches, Development of existing Road side drains, EV Station space, Children's Play Equipment(Two Seater See-saw, Standing twister single, Pendulum double), Gym Equipment(Step Trainer, Leg extension etc), Plantation of trees and Shrubs, Electrification etc. *Latitude-9.55 *Longitude-76.6342 *Area-70 cent
7	PIRAVOM	Renovation Works to Pazhoor Attutheeram Park , Piravom Municipality. (KL-PIRAVOM-15047) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Footpath (132.0sqm), Parking area, Handrail, Solid Block(53.7cum), Electrification, Plants, food court, security cabin, Seating etc. *Latitude-9.863528 *Longitude-76.6342 *Area-128.25 cent
8	THRIKKAKARA(M)	Renovation of Thrikkakara Municipal Park (KL-THRIKKAKARA(M)-14939) *SWAP TOTAL:0.8 *SWAP CAPEX:0.75 *SWAP O&M:0.05	0.8	0.75	0.05	Footpath(2286.0sqm), renovation of existing pavilion, Handrail, Plantation, Seating, Outdoor GYM and play equipment, Grass Turf, Compound Wall, Electrification *Latitude-10.017627 *Longitude-76.6342 *Area-125.0 cent
9	THRIPPUNITHURA (M)	AMRUT 2.0 Renovation of Thannerchal Park, Tripunithura (KL-THRIPPUNITHURA-15054) *SWAP TOTAL:0.79 *SWAP CAPEX:0.75 *SWAP O&M:0.04	0.79	0.75	0.04	Renovation of existing pavilion, Footpath(1698.0sqm), Handrail, Plantation, Landscape, Seating, Outdoor GYM and play equipment, Electrification, Open stage *Latitude-9.95826 *Longitude-76.6342 *Area-200 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
10	ALUVA	AMRUT 2.0 - Rejuvenation of Nehru Municipal park, Aluva (KL-ALUVA-15577) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Footpath (651.4sqm), Kids traffic park, driveway, purchasing of pedal driven vehicles, toilet maintenance, water fountain, planting trees, solar lighting, compound wall, drain, Water Supply Arrangements, Waste Bin etc *Latitude-10.1138687 *Longitude-76.6342 *Area-200 cent
11	ANGAMALY (M)	AMRUT 2.0- Rejuvenation of Municipal Park in ward 9 of Angamaly Municipality (KL-ANGAMALY- 15173) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Renovation of existing parks,gardening,compound wall, Electrification, Toilet, lawn,chairs, Stage construction, play equipments, footpath (517.95sqm) etc. *Latitude-10.1857382 *Longitude-76.6342 *Area-41.7 cent
12	MUVATTUPU ZHA (M)	Dream Land Park Renovation And Beautification (KL-MUVATTUPUZH- 14827) *SWAP TOTAL:0.54 *SWAP CAPEX:0.5 *SWAP O&M:0.04	0.54	0.5	0.04	Solid block (164.09cum), Footpath (756.0sqm), Toilet construction,coffee shop,seating area around trees,Children's playground, Miniature pearl grass,walkways, Leisure Area, Handrails, Electrification works,Water supply arrangements, landscaping. *Latitude-9.5846 *Longitude-76.6342 *Area-350 cent
13	PARAVUR (M)	Renovation of Dr. Ambedkar Park in North Paravur Municipality (KL-PARAVUR-15055) *SWAP TOTAL:0.54 *SWAP CAPEX:0.5 *SWAP O&M:0.04	0.54	0.5	0.04	Solid Block(17.73cum), Kids park, Childrens Play Equipments, Science Gallery, Plantation, Toilet, Compound wall, Tree Guard, landscaping, walkway, Handrails, Lighting, Electrification, Footpath(231.6sqm), Open Stage, Gym, Cafeteria etc.. *Latitude-10.144036 *Longitude-76.6342 *Area-150 cent
14	PERUMBAVO OR (M)	Rejuvenation of Iringol Kavu park of Perumbavoor Municipality (KL-PERUMBAVOOR- 15163) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Compound Wall, Solid Block(0.72cum), Footpath(168.0sqm), Walkways, Leisure Areas, Coffee Shop, Seating Arrangement, Sanitation Facilities, Landscaping, Electrification works, Lights, Mobile Charging units, Art work, Childrens Play Equipments(HDPE Multi Fun System, Infinity rope activity, A Frame swing, Square Double Swing, Owl see-saw, HDPE Basic Merry Go Round, Kida Parkour) *Latitude-10.107322 *Longitude-76.6342 *Area-250 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
15	THODUPUZH A (M)	Construction of M. Jinadevan Park, Nadakulam of Thodupuzha Municipality (KL-THODUPUZH-15046) *SWAP TOTAL:0.76 *SWAP CAPEX:0.75 *SWAP O&M:0.01	0.76	0.75	0.01	Landscape works, Compound Wall works, Toilet Facilities, Security cabin, Ticket counter, Cafeteria, Children's play area, Open gym, Electrification Solid Block(49.6cum), Footpath (664.0sqm), Planting Palette, footpath, Seating and gates, Decor-Wall painting, Terracotta Murals; Signages *Latitude-9.881145 *Longitude-76.6342 *Area-89 cent
16	ELOOR	AMRUT 2.0- Construction of Park Near Eloor Ferry (KL-ELOOR-15003) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Clearing , Rubble Masonry (226.8cum), Footpath(124.6sqm), Walkway and Jogging Track, Sitting benches and shaded seating for relaxation, Children's Playground (Swings, Slides, Climbing Frames and Safety Surfaces), Sitting Space, Reconstruction of existing damaged retaining walls, Lighting, Electrification *Latitude-10.0733 *Longitude-76.6342 *Area-24.9 cent
17	KALAMASSERY (M)	Rejuvenation of Stadium Park Kalamassery (KL-KALAMASSERY-14882) *SWAP TOTAL:0.85 *SWAP CAPEX:0.8 *SWAP O&M:0.05	0.85	0.8	0.05	Biodiversity -indigenous species, Water Fountain, Bio swales/Rainwater Percolation pit, WIFI/CCTV camera, Entrance & gate, WIFI, Covered Seating, Differently Abled Toilet, Children's Park, Open Gym, Solar Plant-5kw, Rainwater Harvesting, Waste Management, Sports Turf, Kudumbashree Outlet, Changing Rooms, Community Vegetable Garden, Jogging Track, Solar powered Street Light, Football Turf, Footpath(608.7sqm), Fabrication *Latitude-10.063 *Longitude-76.6342 *Area-53.63 cent
18	KOCHI	Rejuvenation of AA Kochunni Master Park, Panayappilly div-8 of Kochi Municipal Corporation (KL-KOCHI-14872) *SWAP TOTAL:0.45 *SWAP CAPEX:0.4 *SWAP O&M:0.05	0.45	0.4	0.05	Solid block(20.6cum), Footpath(253.6sqm), Stage, Green Room, Outdoor Gym(Chest press cum shoulder press, Leg Press, Leg lift post, Tai Chi Cum Twister, Rider, Pendulum etc), Toilet, Tree guards, Badminton court, Electrification, Water supply arrangement, *Latitude-9.56 *Longitude-76.6342 *Area-34.84 cent
19	KOCHI	Development Of Kacheripadi Park at Division -19 of Kochi Municipal Corporation. (KL-KOCHI-14940) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Compound wall, Toilet, Art Paintings, Footpath, Outdoor Gym, Tree Guard, Seating, Footpath(563.2sqm), lighting, Bench, Water supply arrangement, Plantation, etc. *Latitude-9.9119 *Longitude-76.6342 *Area-20 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
20	KOCHI	Development of Perumbadappu Park at Division-18 (KL-KOCHI-14941) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Deepening (60.93cum), Rubble Masonry (59.22cum), Solid Block(53.3cum), Open stage, Footpath(480.0sqm), Toilet, Outdoor Gym, Compound wall fencing, Electrification *Latitude-9.902264 *Longitude-76.6342 *Area-20 cent
21	KOCHI	Rejuvenation of open area park in R.N.A.S area in division -29 of Kochi Municipal Corporation (KL-KOCHI-15513) *SWAP TOTAL:0.45 *SWAP CAPEX:0.4 *SWAP O&M:0.05	0.45	0.4	0.05	Toilet, Open stage, Footpath, Outdoor gym, Compound wall fencing, Electrification, Footpath(601.6sqm) *Latitude-9.95 *Longitude-76.6342 *Area-55.6 cent
22	KOTHAMANGALAM (M)	Rejuvenation of Municipal park Kothamangalam (KL-KOTHAMANGALAM-14870) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Pathways(1454.4sqm), Openstage, Toilet Blocks, Water Table, Electrification, CCTV, Open Gym, Playe equipments, Bouncy Castle, Hand Pedal Boats, Traffic Park, Mobile for kiosks, Gardening *Latitude-10.03 *Longitude-76.6342 *Area-148.27 cent
23	PONNANI (M)	Development of Park and Greenspace at Biyyam Kayal (KL-PONNANI-12421) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.1	1	0.1	Rejuvenation of the event space as a multi-functional pavilion, Footpath(1782.20sqm), Compound wall, Development of the landscape to provide children play areas, seating, hard and softscaping, Security Cabin and Cafeteria, Tree planting, Water Supply Arrangement etc., *Latitude-10.774854 *Longitude-76.6342 *Area-89 cent
24	KODUNGALLUR (M)	V K Rajan Municipal Park (KL-KODUNGALLUR-15044) *SWAP TOTAL:0.52 *SWAP CAPEX:0.5 *SWAP O&M:0.02	0.52	0.5	0.02	Masonry protection wall, Artificial grass mat landscaping, Handrail, Footpath(48sqm), Electrification, Rubble Masonry (494.29cum) *Latitude-10.225886 *Longitude-76.6342 *Area-40 cent
25	KUNNAMKULAM (M)	Kunnamkulam Municipality Childrens Park (KL-KUNNAMKULAM-15457) *SWAP TOTAL:0.3 *SWAP CAPEX:0.25 *SWAP O&M:0.05	0.3	0.25	0.05	Compound Wall, Fencing, Seating Benches around Trees, Toilet, Cleaning the well, Chequered Tile Footpaths(150sqm), Electrification, Water fountains, Automated irrigation systems, Playground equipments, Fencing etc *Latitude-10.648243 *Longitude-76.6342 *Area-45 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
26	PARAPPANA NANGADI	Keeranallur Newcut Garden Space Development (KL-PARAPPANANANGADI-8472) *SWAP TOTAL:0.9 *SWAP CAPEX:0.75 *SWAP O&M:0.15	1.045	0.995	0.05	Sidewall, Landscaping, Hand rail, Electrification, Benches, Footpath(2340.0sqm), Furniture *Latitude-11.0357 *Longitude-76.6342 *Area-200 cent
27	PERINTHALMANNA (M)	Pachathuruth Green Park Perinthalmanna Municipality (KL-PERINTHALMANNA-15036) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Footpath(928.05sqm), Jogging Tracks, Benches and shaded seating areas, Plantation, resting areas, accessible toilets, water fountains, Open Stage, Fencing, Entrance Gate *Latitude-10.94 *Longitude-76.6342 *Area-691.94 cent
28	TANUR	Mukkathode (KL-TANUR-14714) *SWAP TOTAL:0.25 *SWAP CAPEX:0.21 *SWAP O&M:0.04	0.25	0.21	0.04	Landscape, Bench, Walkway, Fencing, Play Equipments, Gym Equipments, Compound wall, Water Supply Arrangement, Electrification *Latitude-10.96521 *Longitude-76.6342 *Area-40 cent
29	VALANCHERY	ECO PARK Valanchery Municipality at Vattappara (KL-VALANCHERRY-15024) *SWAP TOTAL:0.65 *SWAP CAPEX:0.5 *SWAP O&M:0.15	0.65	0.5	0.15	Children's Play Equipments(Play house, Kiddies Play, Spring Rider, Swings, Slides, Merry Go Round), Open Gymnasium Equipments, Garden Decor - Family swings, Luxury Swings, Eco Bench, Truck Bins, Outdoor fitness area- Air walker, Step trainer, Leg press cum standing twister, Chest press cum shoulder press, Seating twister cum tai chi, Ayurveda Garden, Cultural Event Space *Latitude-10.916619 *Longitude-76.6342 *Area-187 cent
30	GURUVAYOOR (M)	AMRUT 2.0-Happiness Park at Karakkad. (KL-GURUVAYOOR-17426) *SWAP TOTAL:0.11 *SWAP CAPEX:0.1 *SWAP O&M:0.01	0.11	0.1	0.01	Footpath, Electrification, Gym areas, Seating, Gardens, Playing Equipments, Footpath(210.0sqm), Furniture *Latitude-10.5898 *Longitude-76.6342 *Area-5 cent
31	GURUVAYOOR (M)	AMRUT 2.0-Happiness Park at Chamundeswary Temple Road. (KL-GURUVAYOOR-17427) *SWAP TOTAL:0.11 *SWAP CAPEX:0.1 *SWAP O&M:0.01	0.11	0.1	0.01	Landscaping, Open Gym, Play Equipments, Benches, Jogging Track, Plantations, Pathways(84.5sqm), rain gardens, bioswales, Wi-fi connections, Entrance gate, CCTV Camera, Electrification, *Latitude-10.601 *Longitude-76.6342 *Area-5 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
32	WADAKKAN- HERI	Community Park at Minalur (KL-WADAKKAN-15014) *SWAP TOTAL:0.8 *SWAP CAPEX:0.75 *SWAP O&M:0.05	0.8	0.75	0.05	Ground Development, Footpath(480sqm), Fencing, Jogging Track, Leisure Area, Plantations, Open Gym, Sitting spaces, Drainage Arrangements, Entrance Gate, Facilities for the Elderly and Specially Abled, Caretaker office, Security Room, Indoor Stadium, Store, Fenced football field, Toilet, Locker room, Parking/ Volley Ball court, Water supply arrangement etc *Latitude-10.63291 *Longitude-76.6342 *Area-198 cent
33	KANNUR (M)	Construction of Parakkandy Park (KL-KANNUR-15058) *SWAP TOTAL:0.42 *SWAP CAPEX:0.4 *SWAP O&M:0.02	0.4370541	0.4170541	0.02	Landscape works, Compound Wall works, Washroom works, Security cabin, Children's Play Area, Gym equipment Spinkler, Garden lights, Sanitary & Water supply arrangements(LS), Entrance gate, Steel square portable ticket cabin, Electrical, Footpath(376.33sqm) *Latitude-11.8758 *Longitude-76.6342 *Area-24.96 cent
34	PANOOR	Panoor Municipality Children's Park at Peringathoor (KL-PANOOR-15053) *SWAP TOTAL:0.625 *SWAP CAPEX:0.6 *SWAP O&M:0.025	0.825	0.8	0.025	Landscape works, Compound Wall works, Security cabin, Children's play equipment Garden lights, Entrance gate, Electrification, Planting palette, Footpath(100.0sqm) *Latitude-11.71338889 *Longitude-76.6342 *Area-36.6 cent
35	CHANGANAS- SERY (M)	AMRUT 2.0 Poovakkattuchira Municipal Park at Changanassery Municipality (KL-CHANGANASSERY-14893) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Walkways and Jogging Track, Seating arrangements, Plantation, Smart Dustbins, Facilities for Elderly and Specially Abled, Children's Play equipments, Ambient Lighting, Open Gym Facilities, Footpath (520.5sqm), Tree Guard, Fencing *Latitude-9.45233577 *Longitude-76.6342 *Area-790.784 cent
36	CHANGANAS- SERY (M)	AMRUT 2.0 - Construction of park near Chithrakulam pond (KL-CHANGANASSERY-17400) *SWAP TOTAL:0.25 *SWAP CAPEX:0.22 *SWAP O&M:0.03	0.25	0.22	0.03	Protection wall work, Drain, Walkways, Jogging Tracks, Seating, Plantation, Dustbin, Children's Play Equipments, Electrification, Facilities for Elderly and Specially abled, Open gymnasium, Footpath (197.5 m2), Tree Guard *Latitude-9.44251 *Longitude-76.6342 *Area-11.62 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
37	KOTTAYAM (M)	AMRUT - Childrens park and beautification works near Anganwadi no. -75 in Ward 21 (KL-KOTTAYAM-15178) *SWAP TOTAL:0.115 *SWAP CAPEX:0.1 *SWAP O&M:0.015	0.115	0.1	0.015	Construction of Compound Wall ; Landscaping and Greenery; Footpath(64.5sqm) ;Cleaning and Restoration of the Well Supplying, Children Play Equipment(Double swing, Merry Go Round, See-swa, Circular swing);Benches; Plantation;Electrification and Lighting, Waste Bin *Latitude-9.593545 *Longitude-76.6342
38	KOTTAYAM (M)	Construction of Park In Chemmanappadi Chittethkadavu Road at Ward 52 Kottayam Municipality (KL-KOTTAYAM-15181) *SWAP TOTAL:0.219 *SWAP CAPEX:0.209 *SWAP O&M:0.01	0.219	0.209	0.01	Compound Wall Construction (Rubble Masonry - 16.86cum, Solid Block Masonry - 10.35cum); Landscaping and Greenery; Lighting and Electrification; Footpath (360 sqm);Vertical Garden; Children's Play Equipment(Double swing, Sky Rocker, Flying Butterfly, See Saw, Circular Swing) *Latitude-9.627731 *Longitude-76.6342 *Area-8.89 cent
39	KOTTAYAM (M)	Construction of Park at Borma Kavala road- Ward-41 (KL-KOTTAYAM-15196) *SWAP TOTAL:0.23 *SWAP CAPEX:0.2 *SWAP O&M:0.03	0.23	0.2	0.03	Handrail, Electrification ,Construction of Compound Wall, Landscaping and Greenery, Footpath(462.25sqm), Play Equipments; Seating arrangement etc. *Latitude-9.53562 *Longitude-76.6342 *Area-2.97 cent
40	KOTTAYAM (M)	Kottayam Municipality 2023-2024- Beautification of Gandhinagar roadside in ward no 01 (KL-KOTTAYAM-15199) *SWAP TOTAL:0.086 *SWAP CAPEX:0.081 *SWAP O&M:0.005	0.086	0.081	0.005	Bench, Landscaping and Greenery, Pathway Construction, Childrens Play Equipment (Double Swing, See-Saw, Rocking Boat), Seating Areas, Vertical Garden (50.00 sqm), Solar & Electrification etc *Latitude-9.630135 *Longitude-76.6342 *Area-8.16 cent
41	PALAI (M)	Renovation of Childrens Park at 12th Mile, Pala (KL-PALAI-15064) *SWAP TOTAL:0.23 *SWAP CAPEX:0.2 *SWAP O&M:0.03	0.23	0.2	0.03	Landscape works, Protection work with Rubble Masonry , Children's play equipment, Garden lights, Electrification, Footpath (88.497sqm), *Latitude-9.699241 *Longitude-76.6342 *Area-83.77 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
42	KOYILANDY MUNICIPALITY	Renovation of Anakkulam Childrens park at koyilandy municipality. (KL-KOYILANDY-15078) *SWAP TOTAL:0.3 *SWAP CAPEX:0.25 *SWAP O&M:0.05	0.3	0.25	0.05	Gate, Compound wall, Garden, Parapet for pond, Stage, Children play equipment (Swing, Circular swing, Ladder), Benches, Handrails, Electrification, Green space, Surveillance, Plantations, Water foundation etc... *Latitude-11.276874 *Longitude-76.6342 *Area-54.37 cent
43	KOZHIKODE	Renovation of the Kozhikode Corporation Lion's park (KL-KOZHIKODE-13708) *SWAP TOTAL:2.6 *SWAP CAPEX:2.25 *SWAP O&M:0.35	2.6	2.25	0.35	The proposal is to create a natural pond and beautify its surroundings, making it one of the major attractions of the children's park. The park is located at Kozhikode Beach, a popular destination within the city, frequented not only by local residents but also by visitors from surrounding districts and beyond. Elevated Walkway(Slides, Dangling Walk, Suspension Bridge with Hand Rope, Net Tunnel Bridge, Monkey Loops, Ladder Bridge with hand rope, Balancing Beam with Grip ropes, Three rope bridge, Tunnels, Tunnel Slides, Swings, Trampolines, Nepalese Rope Bridge, Parallel Ropes, Double pp rope) Play Kiosk(Playing House, Pairs, Ball Labyrinth, Four in a Row, Ball Wall) Children's Toilet block STP *Latitude-11.26069926 *Longitude-76.6342 *Area-150 cent
44	RAMANATTUKARA	Park at New office entrance land along Chethupalam thodu (KL-RAMANATTUKARA-14887) *SWAP TOTAL:0.11 *SWAP CAPEX:0.1 *SWAP O&M:0.01	0.11	0.1	0.01	Park Eathwork(3.92cum), Plantation, Footpath(144.0sqm), Public Amenities, Handrails, Bench etc *Latitude-11.178133 *Longitude-76.6342 *Area-26.69 cent
45	VADAKARA (M)	Cultural and Heritage park Near Old Bus stand (KL-VADAKARA-14725) *SWAP TOTAL:0.17 *SWAP CAPEX:0.16 *SWAP O&M:0.01	0.17	0.16	0.01	Open stage, Interlock Pavement, Gardens, Stone Benches, Waste Bin, Entrance, Handrail etc *Latitude-11.5969 *Longitude-76.6342 *Area-14.8 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
46	PAYYANNUR (M)	Development of Children's Park at Payyanur Municipality (KL-PAYYANNUR-15188) *SWAP TOTAL:0.189 *SWAP CAPEX:0.18 *SWAP O&M:0.009	0.189	0.18	0.009	Open Gym Equipment's(GI pipe abdominal Dual Skeir, GI pipe Out door pull chair,),Landscaping & Hardscaping and Seating for the Public,Kids Park & Play area), Statue of Shri. Abdul Kalam, Former president of India, Toilet block cum Commercial Building, Footpath(268.94sqm),Renovating the Compound wall & gate, Cover for open stage, Garden Bench, Electrification , Solar street lights etc *Latitude-12.10555 *Longitude-76.6342 *Area-12.85 cent
47	KANHANGAD (M)	Development of childrens park at Chemmattamvayal in Kanhangad Municipality (KL-KANHANGAD-15462) *SWAP TOTAL:0.625 *SWAP CAPEX:0.6 *SWAP O&M:0.025	0.625	0.6	0.025	Earth work (154.90cum), RCC (107.64cum),Footpath(387.30sqm) ,Childrens park & Play area(Spiral Slide,Metal outdoor chair marry go round, swing ,slide, multi playstation), benches, open gym, landscaping, toilet block, Compound wall ,Lawn, Parking area, Sculptures, landscape, Handrails , Entrance, Plantation *Latitude-12.320613 *Longitude-76.6342 *Area-30 cent
48	KASARAGOD	AMRUT 2.0 - Enhancement of Nellikunnu Beach at Kasaragod Municipality (KL-KASARAGOD-17366) *SWAP TOTAL:1.757 *SWAP CAPEX:1.607 *SWAP O&M:0.15	1.757	1.607	0.15	Landscaping, Pathway, Parking Area, Playing equipment, Solar lighting system, Lighting System, Entrance gate, Sitting benches, Food Court, Snack Bar, toilet blocks, Waste Bins, Signage's, Selfie Corners, Ticket Counter, Security Cabin,Bore Well, Fencing etc. *Latitude-12.505272 *Longitude-76.6342 *Area-36.82 cent
49	MUKKAM	Vrindavanam Park In Mukkam Municipality Division 14 (KL-MUKKAM-13797) *SWAP TOTAL:0.11 *SWAP CAPEX:0.1 *SWAP O&M:0.01	0.11	0.1	0.01	RCC Side wall, Concrete(50.74cum),walkways, benches, Landscaping, Seating arrangements, Footpath(225.0sqm), Waste Bin etc *Latitude-11.328639 *Longitude-76.6342 *Area-5.437 cent
50	MALAPPURAM (M)	AMRUT 2.0 -Green Park Development at Nechikutty- Malappuram Municipality (KL-MALAPPURAM-14900) *SWAP TOTAL:0.85 *SWAP CAPEX:0.75 *SWAP O&M:0.1	0.85	0.75	0.1	Landscaping, Footpath(1954.05sqm), Laterite masonry [166.0m3];Children playground; Water fountain; Sculpture; Open Gym; Leisure areas; Plantation; Solar lighting system, Entrance gate, Sitting benches, toilet blocks, Stage, Electrification etc. *Latitude-11.0438583 *Longitude-76.6342 *Area-310.63 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
51	KALPETTA (M)	Kalpeta Municipality Rock Garden Park Construction (KL-KALPETTA-15043) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Rock Garden, Solid Block(51.37cum), Footpath(627.65sqm), Flower plants and Landscaping, Benches and Shelters, Toilet block, Cafeteria, Food stalls, Shops Block, compound fencing, entrance gate, entrance road, Electrification, GI Chain Link etc.. *Latitude-11.62463 *Longitude-76.6342 *Area-74.13 cent
52	MANANTHAVADI	AMRUT 2.0 Mananthavady Municipality - Chootakkadavu Pazhassi Park (KL-MANANTHAVADI- 15035) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Footpath(163.8sqm),Gardening,compound wall,Electrification,Lawn,Chairs, play equipments, Seating Arrangements, Planting palette, Street Trees, Open Space, Landscape, Lighting, Outdoor Furniture, Turf, etc. *Latitude-11.7996173 *Longitude-76.6342 *Area-197.696 cent
53	CHERPULASSERY	Development of Papparamb promenade in Division 4 of Cherpulassery Municipality (KL- CHERPULASSERY- 15088) *SWAP TOTAL:0.55 *SWAP CAPEX:0.5 *SWAP O&M:0.05	0.55	0.5	0.05	Construction of Promenade, Footpath(490.0sqm) , Solid Block, Handrail, Seating , Washroom ,Service Room, Landscaping, Staircase, Electrification, Water Supply Arrangement etc *Latitude-10.91132 *Longitude-76.6342 *Area-24.96 cent
54	CHITTUR-THATHAMANGALAM (M)	Childrens Park at Devi Nagar Ward 27 Chittur Thathamangalam Municipality (KL-CHITTUR- THATHAMANGALAM- 14915) *SWAP TOTAL:0.45 *SWAP CAPEX:0.4 *SWAP O&M:0.05	0.45	0.4	0.05	Park Facilities [Earthwork(23.52cum), Rubble Masonry (RR= 3.18cum), Concrete (12.95cum), Solid Block (8.45cum)], Water Supply Arrangement, Footpath (611.0sqm), Landscaping, Toilet, Ticket Counter, Furniture, Electrification, etc *Latitude-10.67853 *Longitude-76.6342 *Area-37.81 cent
55	MANNARKKAD	Construction of Open gym and Children's Park at Mannarkkad municipality (KL- MANNARKKAD-14884) *SWAP TOTAL:0.26 *SWAP CAPEX:0.21 *SWAP O&M:0.05	0.26	0.21	0.05	Open Gym(Walker Single, Ski Trainer, ABB Trainer, Leg press cum standing twister, Chest press cum shoulder press), Children's Park(Spring Rider Elephant, Multi Seater See-saw, Swing, Merry Go Round), Gardening, landscaping, sitting area, street light. artworks, painting, waste bins, selfie spot, Eco Bench etc. *Latitude-10.988508 *Longitude-76.6342 *Area-10 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
56	PALAKKAD (M)	Prasanth Nagar Park (KL-PALAKKAD-15140) *SWAP TOTAL:0.33 *SWAP CAPEX:0.3 *SWAP O&M:0.03	0.33	0.3	0.03	Clearing, Earthwork(70.29cum), Rubble Masonry(103.03cum), Concrete(50.93cum), Solid Block Masonry(42.92cum), Compound Wall, Footpath (286.0sqm), open stage , chairs, Play Equipment(See-saw, Swing, Merry Go Round), Toilet, Water Supply Arrangement etc, *Latitude-10.795863 *Longitude-76.6342 *Area-51.89 cent
57	PANDALAM	Chiramudi Tourism Project (KL-PANDALAM-14898) *SWAP TOTAL:0.52 *SWAP CAPEX:0.51 *SWAP O&M:0.01	0.52	0.51	0.01	Rubble Masonry (32.6cum), Solid Block (35.7cum), Child-Friendly Area, Essential Amenities, Toilet, Footpath(675.0sqm), Jogging tracks, Gym Equipments, Water Foundation, Seating arrangements, Water Supply Arrangement, Security Cabin, Handrail *Latitude-9.225067 *Longitude-76.6342 *Area-999.85 cent
58	PATTAMBI	AMRUT 2.0 - Modification of Pattambi Municipal Town Park (KL-PATTAMBI-15463) *SWAP TOTAL:0.5 *SWAP CAPEX:0.25 *SWAP O&M:0.25	0.5	0.25	0.25	Seating , Childrens Play Area,Open gym, Gym Equipment, Electrification, Walkway, Handrail, Jogging trail, Garden, Footpath (750.0sqm), Waste Bin etc *Latitude-10.8004268 *Longitude-76.6342 *Area-65.36 cent
59	SHORANUR (M)	AMRUT 2.0 - Construction of Children Park near Bharathapuzha (KL-SHORANUR-15050) *SWAP TOTAL:0.505 *SWAP CAPEX:0.5 *SWAP O&M:0.005	0.505	0.5	0.005	Compound wall; Seating facilities; Solar-Powered Facilities;Rainwater Harvesting; Bins; Ramps;Cultural and Art installations;Picnic Areas; First Aid Stations;Native Plant Landscaping; interactive Maps and Apps;Free Wi-Fi; Electrification, Footpath etc *Latitude-7.922 *Longitude-76.6342 *Area-61.78 cent
60	IRINJALAKUDA (M)	AMRUT 2.0 - Renovation of Mahatma Park in Ward :25 of Irinjalakuda Municipality (KL-IRINJALAKUDA-15203) *SWAP TOTAL:0.65 *SWAP CAPEX:0.6 *SWAP O&M:0.05	0.4	0.35	0.05	Landscaping, kids play area, Children's play equipments(Double Swing, Sky Rocker, Merry Go Round, Rocking Boat, Flying Butterfly, See-Saw), Footpath(1040.0sqm), Garden, Seating Arrangements, etc *Latitude-10.34763 *Longitude-76.6342 *Area-59.3 cent

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
61	MANJERI (M)	Construction of hill view park at Vettekcode in Manjeri Municipality (KL-MANJERI-14995) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.35	1.25	0.1	Watchtower, Solar lighting system, Lighting system, Sitting benches, Pathway, Landscaping, Food court, Snack bar, Playing equipment's Waste bins, Signage's, Open Gym, Selfie corners, Ticket counter. Security cabin, Toilet block, Footpath(2110.0sqm), Electrification, Handrails *Latitude-11.11 *Longitude-76.6342 *Area-163 cent
62	THRISSUR	AMRUT 2.0 - Construction of Elanjikkulam Park (Div 18) (KL-THRISSUR-15265) *SWAP TOTAL:1.2 *SWAP CAPEX:1.1 *SWAP O&M:0.1	1.2	1.1	0.1	Rubble Masonry (14.0cum), Footpath (4282.0sqm.), Concrete(40.0cum), Solid block masonry(8.81 cum), Handrail, Park Area, Gym Equipment(Back Extension, Hip Twister), Park Equipment(Puppy Bin, Casty Bench, See-saw, Four Seated ARC Swing), Seater, Toilet, Electrification, etc *Latitude-10.518168 *Longitude-76.6342 *Area-98.85 cent
63	THRISSUR	AMRUT 2.0 - Construction of Pananjakam Pond Park (Div 16) (KL-THRISSUR-15270) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.1	1	0.1	Electrification, Hand rail, Deluxe swing, HIP Twister, Footpath (4552.0sqm), Concrete (34.14cum) etc *Latitude-10.542111 *Longitude-76.6342 *Area-116.15 cent
64	ATTINGAL (M)	Renovation of Park at Tb Junction Attingal (KL-ATTINGAL-15060) *SWAP TOTAL:0.39 *SWAP CAPEX:0.38 *SWAP O&M:0.01	0.39	0.38	0.01	Stage, Solid Block, Electrification, Fencing works, Construction of play area, Renovation of Existing Park, Gate and Arch works, Handrails, Footpath(587.0sqm), Children Play Equipment (See-saw, Merry Go Round, Double Swing, Spiral Slide), Bench, Compound Wall etc.. *Latitude-8.70672 *Longitude-76.6342 *Area-5.016536 cent
65	NEDUMANGAD (M)	Construction of Elders Park near Kulavikonam pond (KL-NEDUMANGAD-15636) *SWAP TOTAL:0.114 *SWAP CAPEX:0.11068 *SWAP O&M:0.00332	0.114	0.11068	0.00332	Cleaning, Earthwork (87.5cum), Footpath (408.0sqm), Plantation, Water Fountain, Landscape, Steel Chair, Electrification etc *Latitude-8.603402 *Longitude-76.6342 *Area-49.9184 cent
		TOTAL	34.942	31.56	3.382	