

**Minutes of the 13<sup>th</sup> State Level Technical Committee (SLTC) of AMRUT 2.0 held on 07<sup>th</sup> January 2025 at 03:00 PM chaired by the Principal Secretary, Local Self Government Department in the South Conference Hall of Secretariat.**

The meeting of the 13<sup>th</sup> State Level Technical Committee of AMRUT 2.0, chaired by Smt. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department commenced at 03:00 PM on 07<sup>th</sup> of January 2025 (List of participants attached as Annexure 1).

Sri. Suraj Shaji IAS, Mission Director, AMRUT presented the points in the agenda note.

**Agenda Item No.11:01: APPROVAL OF MINUTES OF THE 12<sup>th</sup> MEETING OF SLTC**

**Decision Taken: The Committee took note of the minutes of the 12<sup>th</sup> SLTC meeting of AMRUT 2.0.**

**Agenda Item No.13.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 12<sup>th</sup> SLTC MEETINGS OF AMRUT 2.0:**

**Agenda Item No.10.04: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III - SWAP-3 PROPOSALS WATER SUPPLY SECTOR:**

**Action Taken:**

- ❖ The Micro Water supply scheme for Valanchery Municipality has been approved under SWAP 3. Part DPR has been received and included in this agenda for AS.

**Decision Taken:**

- ❖ The committee took note of the action taken. The part DPR of the 5 No: micro water supply project has been accepted for furtherance of the processes.

**Agenda Item No. 10.12: O & M STRATEGY FOR SEWAGE TREATMENT PLANTS PROPOSED BY KWA UNDER AMRUT-2.0:**

**Action Taken:**

- ❖ The revised O&M strategy furnished by KWA is placed as Agenda Item No.13.4.

**Decision Taken:**

- ❖ The committee took note of the action taken.

**Agenda Item No.11.3: 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

**Decision Taken:**

- ❖ The committee took note of the action taken.

**Agenda Item No. 11.24: AMRUT 2.0 - SANCTION OF THE RELEASE OF Rs.10 Cr. TO THE GOVT. OF KERALA 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

**Decision Taken:**

- ❖ The Committee 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

<b>Survey/Other latest technologies and Reduction in Non-Revenue Water (Introduction of Smart Elements) of Thiruvananthapuram Corporation.</b>
<b>Agenda Item No. 11.27: AMRUT REFORM INCENTIVES - DISTRIBUTION TO ULBs:</b>
<b>Action Taken:</b> Detailed proposal is awaited from KWA
<b>Deliberations:</b>
❖ The Mission Director informed that, 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. The detailed proposal is pending with KWA.
<b>Decision Taken</b>
❖ The Committee observed that the project period for AMRUT Phase 1 was already completed in December 2024. Therefore, clarification from MoHUA is required for the utilization of reform incentives.
<b>Agenda Item No.11.30: AMRUT 2.0 - TAKING UP OF ALTERNATIVE PROJECTS UNDER SWAP 1&amp;2 FOR THE PROJECTS SHIFTED TO AMRUT 1.0:</b>
<b>Action Taken:</b>
❖ The APEX Committee of MoHUA in its 11th meeting held on 23rd September 2024 agreed to the cancellation of projects.
<b>Decision Taken:</b>
❖ The committee took note of the action taken.
<b>Additional Agenda Item No.11A: UTILIZATION OF URBAN INFRASTRUCTURE DEVELOPMENT FUND (UIDF) FOR STATE SHARE / ULB SHARE IN ONGOING SCHEMES OF MOUHA SUCH AS AMRUT:</b>
<b>Action Taken:</b>
❖ Detailed Agenda on the UIDF scheme has been included in this meeting.
<b>Decision Taken:</b>
❖ The committee took note of the action taken.
<b>Agenda Item No.8.15: PROJECT MANAGEMENT SOFTWARE FOR AMRUT PROJECT MONITORING:</b>
<b>Action Taken:</b>
❖ PMS development and data updation have been completed.
<b>Decision Taken:</b>
❖ The committee took note of the action taken.
<b>General Decisions of 11<sup>th</sup> SLTC:</b>
❖ <i>The Vice Chairperson of Palakkad Municipality said that the Kerala Water Authority has not provided the necessary clarification and reconciliation of the bills for AMRUT 1.0 works, which has resulted in the hold-up of the funds. The Municipal Secretary, Palakkad, Municipal Engineer and KWA were given a deadline till 29.01.2024 by the Committee to resolve the issues. Mission Director AMRUT has to closely monitor and ensure the same.</i>
<b>Action Taken:</b>
❖ Reconciliation documents submitted by KWA are under scrutiny in the ULB.
<b>Decision Taken:</b>
❖ The committee took note of the action taken.
<b>Agenda Item No.12.3: PROGRESS OF AMRUT 2.0:</b>
<b>Action Taken:</b>
❖ 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
<b>Land Issues:</b>
1) Land registration completed for the proposed land of OHSR in Kottarakkara Municipality.
2) Guruvayur- Permissive sanction for 10 cent land and land for laying pipes to OHSR required. Guruvayur Devaswom provided the permissive sanction based on the condition that Guruvayur Dewaswom should get water from KWA for free of cost.
<b>Capacity Building Programme:</b>
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.

<b>Decision Taken:</b>
❖ <b>Committee took note of the action taken</b>
<b>Agenda Item No.12.4: AMRUT 2.0 - WATER SUPPLY PROJECTS:</b>
<b>Agenda Item No.12.4.1: ADMINISTRATIVE SANCTION OF WATER SUPPLY PROJECT- AMRUT 2.0 - WSS TO ERATTUPETTA MUNICIPALITY- ZONE1; PHASE- 1 UNDER SWAP 2 OF THE ERATTUPETTA ULB:</b>
<b>Action Taken:</b>
❖ Government Order has been issued on 23.10.2024. Technical Sanction is to be issued by the KWA.
<b>Decision Taken:</b>
❖ <b>Joint Managing Director, KWA agreed for issuing the TS before the end of January 2025.</b>
<b>Agenda Item No.12.4.2: CANCELLATION &amp; REPLACEMENT OF WATER SUPPLY PROJECTS UNDER SWAP 1&amp;2 OF THE THRISSUR CORPORATION:</b>
<b>Action Taken:</b>
❖ The APEX Committee of MoHUA in its 11th meeting held on 23rd September 2024 approved the replacement of the project.
❖ AS issued vide G.O.(Rt)No.2245/2024/LSGD dated 20.11.2024. TS is pending with KWA.
<b>Decision Taken:</b>
❖ <b>Joint Managing Director, KWA agreed for issuing the TS before the 25th January 2025.</b>
<b>Agenda Item No.12.4.3: AMRUT 2.0- -WATER SUPPLY SECTOR – REVISION OF ADMINISTRATIVE SANCTION FOR 6 PROJECTS:</b>
<b>Action Taken:</b>
❖ 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
<b>Decision Taken:</b>
❖ <b>The committee took note of the action taken.</b>
<b>Agenda Item No.12.4.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III-SWAP-3 WATER SUPPLY PROPOSALS:</b>
<b>Action Taken:</b>
❖ 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 <b>G.O.(Rt)No.2263/2024/LSGD dated 22.11.2024</b> for the of 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 )
❖ <b>Technical Sanction is to be issued by the KWA</b>
❖ 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.
<b>Decision Taken:</b>
❖ <b>The Committee instructed KWA to issue Technical Sanctions (TS) for the 61 works for which Administrative Sanctions have been granted.</b>
❖ <b>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 are expected to be finalized by the end of January 2025.</b>
❖ <b>The Mission Director was directed to address the issues of Nilambur Municipality related to the Forest Department by coordinating with the Forest Head Quarters.</b>
<b>Agenda Item No.12.5: SEWERAGE &amp; SEPTAGE SECTOR-APPROVAL OF STATE WATER ACTION PLAN-TRANCHE III:</b>
<b>Action Taken:</b>
❖ 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.)

<ul style="list-style-type: none"> <li>● Guruvayur Municipality – 1 no.: Rs.25.15 Cr. (Capex: Rs.21.000 Cr. &amp; Opex: Rs.4.150 Cr.)</li> <li>● Thrissur Corporation – 2 nos.: Rs.118.880 Cr. (Capex: Rs.109.060 Cr. &amp; Opex: Rs.9.820 Cr.)</li> <li>● Kochi Corporation – 2 nos.: Rs.32.583 Cr. (Capex: Rs.31.634 Cr. &amp; Opex: Rs.0.949 Cr.)</li> <li>● Alappuzha Municipality – 2 nos.: Rs.68.760 Cr. (Capex: Rs.65.552 Cr. &amp; Opex: Rs.3.208 Cr.)</li> <li>● Kollam Corporation – 3 nos.: Rs.99.920 Cr. (Capex: Rs.84.261 Cr. &amp; Opex: Rs.15.659 Cr.)</li> <li>● Thiruvananthapuram Corporation – 18 nos.: Rs.24.089 Cr. (Capex: Rs.23.084 Cr. &amp; Opex: Rs.1.005 Cr.)</li> </ul>
<ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ The DPRs of the proposals of Alappuzha Municipality (1 no.), Kochi Corporation (2 nos.), 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.</li> <li>❖ The details as per the DPRs received for the proposals of Thiruvananthapuram Corporation (18 nos.), Kollam Corporation (3 nos.), Alappuzha Municipality (1 no.) and Thrissur Corporation (2 nos.) are placed in this SLTC as Agenda No.13.5 for approval of administrative sanction.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.6: REJUVENATION OF WATER BODIES AND DEVELOPING GREEN SPACES AND PARKS PROJECTS:</b></p>
<p><b>Agenda Item No.12.6.1: ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS UNDER SWAP-2:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ The Administrative sanction has been issued vide G.O (Rt) No. 2041/2024/LSGD dated 26/10/24.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.6.2: CANCELLATION OF WATERBODY REJUVENATION PROJECTS APPROVED UNDER THE 2nd TRANCHE OF SWAP AND REPLACEMENT WITH NEW PROJECTS:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ The Govt. Order has been issued vide. G.O.(Rt)No.2038/2024/LSGD dated 26-10-2024.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.6.3: AMRUT 2.0- REVISION OF ADMINISTRATIVE SANCTION FOR TWELVE PROJECTS:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ The Govt. Order has been issued vide G.O (Rt) No. 2046/2024/LSGD dated 28/10/24.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.6.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III- SWAP-3 PROPOSALS:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ 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.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.7.1: AMRUT MITRA:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ A detailed Agenda on AMRUT MITRA progress is included in this meeting.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.7.2: 24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF THE STATE-LEVEL TASK FORCE:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ The State Level Task Force (STF) on DFT has been reconstituted vide G.O.(Rt)No.1901/2024/LSGD dated 14.10.2024.</li> </ul>
<p><b>Decision Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <b>The committee took note of the action taken.</b></li> </ul>
<p><b>Agenda Item No.12.7.3: SELECTION OF THE PROJECT DEVELOPMENT MANAGEMENT CONSULTANCY:</b></p>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ 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.</li> </ul>

**Preparation of the Urban Aquifer Management Plan for AMRUT 1.0 cities by inviting bids from accredited agencies of Central Ground Water Authority (CGWA).**

- ❖ The drafts RFP (Request for Proposal) document is under preparation with 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, (nodal body for urban transformation), 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:**

- ❖ MoHUA has advised to immediately bring the technical support unit to support the proposed initiative, for which draft RFP has been prepared.

**Decision Taken:**

- ❖ The committee took note of the action taken.
- ❖ The Mission Director informed the Committee that 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
- ❖ The Committee suggested that the payment to the TSU will be made based on the deliverables, rather than on a man-month basis.
- ❖ 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.

**Agenda Item No.12.7.4: 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 Taken:**

- ❖ The Committee took note of the action taken

**Agenda Item No.12.7.5: 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 Taken:**

- ❖ The committee took note of the action taken.

**Agenda Item No.12.8: SUB SCHEME - FORMULATION OF GIS MASTER PLAN FOR CLASS II TOWNS UNDER AMRUT 2.0:**

**Agenda Item No.12.8.1: GRANTING PERMISSION TO THE STATE NODAL AGENCY (LOCAL SELF GOVERNMENT DEPARTMENT (PLANNING)) FOR ENGAGING CENTRE FOR MANAGEMENT DEVELOPMENT (CMD) IN TENDER PROCESS FOR SELECTING CONSULTANTS FOR OUTSOURCING MASTER PLAN PREPARATION WORKS UNDER THE SUB SCHEME 'FORMULATION OF GIS BASED MASTER PLANS FOR CLASS II TOWNS UNDER AMRUT 2.0:**

**Action Taken:**

- ❖ Government Order for the selection of Planner Consultant & Planner Associates is awaited.

<b>Decision Taken:</b>
❖ The Committee took note of the same and G.O issued on 07.01.2024
<b>Agenda Item No.12.8.2: APPOINTMENT OF PLANNER CONSULTANT AND PLANNER ASSOCIATES UNDER THE SCHEME OF FORMULATION OF GIS-BASED MASTER PLANS FOR 49 AMRUT 2.0 TOWNS:</b>
<b>Action Taken:</b>
❖ Government Order is awaited.
<b>Decision Taken:</b>
❖ The Committee took note of the same and G.O issued on 07.01.2024

### Agenda Item No.13.3: 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. & 15 FC grant- ₹ 3.539 Cr.

#### 13.3.1. 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	State 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		
<b>TOTAL</b>	<b>740</b>	<b>3743.43</b>	<b>3514.181</b>	<b>229.150</b>	<b>1399.735</b>	<b>1278.167</b>	<b>1061.983</b>	<b>3.539</b>	<b>5.90252</b>	<b>5.90252</b>

\*Allocated CA- 1374 Cr.

#### 13.3.2. PROJECT PROGRESS-SECTOR-WISE AS ON 03.01.2025 (Tranches 1&2):

Sector	Main Projects		AS Issued		Sub Projects (Nos)	TS Issued		NIT Issued		Awarded		Completed (Nos)	Expenditure (₹ Cr)	Expenditure %
	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)		Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)			
WS	154	1680.52	154	1680.52	276	249	1423.82	246	1283.32	219	908.82	46	303.92	18.08
SEW	14	457.81	14	457.81	38	38	95.92	35	85.81	31	85.59	12	10.49	2.29
WBR	248	68.44	239	68.44	250	221	60.24	220	55.55	202	67.58	56	12.61	18.43
Micro WS	25	30.56	16	30.56	23	13	28.31	13	28.27	7	1.97	0	0.75	2.46
<b>Total</b>	<b>441</b>	<b>2237.32</b>	<b>423</b>	<b>2237.32</b>	<b>587</b>	<b>521</b>	<b>1608.28</b>	<b>514</b>	<b>1452.95</b>	<b>459</b>	<b>1063.96</b>	<b>114</b>	<b>327.77</b>	<b>14.65</b>

\*3 projects need cancellation

**13.3.3. PENDANCY (As on 03.01.2025): (Pendency list is attached)**

Project Type	AS PENDING	TS PENDING	NIT PENDING	AWARD PENDING	NOT STARTED	ONGOING	TOTAL
Micro Water Supply	7	3	0	6	2	5	23
Sewerage/Septage Management	0	0	3	4	8	23	38
Water Body Rejuvenation	8	21	1	18	53	149	250
Water Supply	0	27	2	27	22	198	276
<b>Grand Total</b>	<b>15</b>	<b>51</b>	<b>6</b>	<b>55</b>	<b>85</b>	<b>375</b>	<b>587</b>

**13.3.4. PROGRESS ACHIEVED SINCE 12<sup>th</sup> SLTC (As on 11.07.2024)**

Progress	Total Projects (No.)	AS Issued (No.)	Sub Projects (No.)	TS Issued (No.)	NIT Issued (No.)	Awarded (No.)	Completed (No.)	Expenditure (₹ Cr.)	Expenditure %
Last SLTC (11.07.2024)	456	417	553	490	466	381	16	228.53	10.33
As on 03.01.2025	441*	423	587	521	514	459	114	327.77	14.65
Progress	(-) 15	6	34	31	48	78	98	99.24	4.32

\*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. 11<sup>th</sup> APEX committee approved the same

**13.3.5. 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

**13.3.6. 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.

### 13.3.7. Water Quality App:

Mobile App for updating data (Sample collection & Test result) and Web Application for managing the entire system has been developed and are under final testing. Dashboard (Power BI) is under development and expected to be completed within a week.

#### **Decision Taken:**

- ❖ The Committee observed that out of 587 AMRUT 2.0 projects, Administrative Sanctions are yet to be issued for 15 works, Technical Sanctions are pending for 51 works, Notices Inviting Tender (NIT) are pending for 6 works, awards are pending for 55 works, and 85 works are yet to commence at the site. 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.
- ❖ The Mission Director informed the Committee that the implementation of SPARSH has more operational difficulties. The same will be informed in a detailed way with SHPSC for further decision.

#### **Agenda Item No.13.4: O&M Strategy for STPs Proposed by KWA in AMRUT 2.0:**

##### **2<sup>nd</sup> SHPSC:**

Regarding the O&M Cost of projects the 2<sup>nd</sup> 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.*

##### **6<sup>th</sup> SLTC:**

In the 6<sup>th</sup> 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 6<sup>th</sup> 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 6<sup>th</sup> 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.*



### 8<sup>th</sup> SLTC:

In the 8<sup>th</sup> SLTC, the KWA submitted the following options in connection with the decision taken by the 6<sup>th</sup> 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 8<sup>th</sup> 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.*

### 10<sup>th</sup> SLTC:

In the 10<sup>th</sup> 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 10<sup>th</sup> 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 10<sup>th</sup> 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.*

### 11<sup>th</sup> SLTC:

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

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

### 12<sup>th</sup> SLTC:

As the KWA did not submit the O&M strategy before the 12<sup>th</sup> 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.*

### This SLTC:

As per the letter dated 02.08.2024 (Letter No. KWA-JB/4797/2023-AE10, the MD, KWA, has forwarded the revised O&M strategy based on the sewerage scheme of Thiruvananthapuram. 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.*

### **Decision Taken:**

- ❖ **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.**

**Agenda Item No.13.5: 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 to 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 from 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) have been received and hence they are placed in this 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.)

The details as per the DPRs of the above-mentioned SWAP-3 proposals 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	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
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	1.480	0.044	1.524	❖ Sewer Network: 347 m ❖ Manhole Work: 15 nos. ❖ Road Restoration	100	152440

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.)			
		<ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹1.480 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.044 Cr.</li> <li>❖ SWAP Total: ₹1.524 Cr.</li> <li>❖ Agency: KWA</li> </ul>						
3	Thiruvananthapuram	<p>Urgent rectification of sewerage network by replacement of damaged 150 mm SW pipes with 200 mm SW Pipe and 250 mm SW pipe &amp; construction of new manholes from Kunnu Bungalow to Mudavanmugal Junction</p> <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹2.150 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.065 Cr.</li> <li>❖ SWAP Total: ₹2.215 Cr.</li> <li>❖ Agency: KWA</li> </ul>	2.150	0.065	2.215	<ul style="list-style-type: none"> <li>❖ Sewer Network: 450 m</li> <li>❖ Manhole Work: 25 nos.</li> <li>❖ Road Restoration</li> </ul>	600	36908
4	Thiruvananthapuram	<p>Replacement of existing damaged sewerage main from NC Hospital Junction to Kannettumukku Junction with 300 mm SW pipe (under Sewerage Section Kuriathy)</p> <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹1.900 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.057 Cr.</li> <li>❖ SWAP Total: ₹1.957 Cr.</li> <li>❖ Agency: KWA</li> </ul>	1.900	0.057	1.957	<ul style="list-style-type: none"> <li>❖ Sewer Network: 566 m</li> <li>❖ Manhole Work: 29 nos.</li> <li>❖ Road Restoration</li> </ul>	63	313120
5	Thiruvananthapuram	<p>Reconstruction of old dilapidated brick manholes, construction of new sewerage manholes, raising of manhole covers &amp; supplying CI manhole covers in Pottakuzhy - Mulavana road stretch</p> <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹0.750 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.023 Cr.</li> <li>❖ SWAP Total: ₹0.773 Cr.</li> <li>❖ Agency: KWA</li> </ul>	0.750	0.023	0.773	<ul style="list-style-type: none"> <li>❖ Sewer Network: 187 m</li> <li>❖ Manhole Work: 50 nos.</li> <li>❖ Road Restoration</li> </ul>	50	154600
6	Thiruvananthapuram	<p>Supply, erection &amp; commissioning of various pump sets &amp; other necessary equipment for 107 MLD Sewage Treatment Plant at Muttathara</p> <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹2.865 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.143 Cr.</li> <li>❖ SWAP Total: ₹3.009 Cr.</li> <li>❖ Agency: KWA</li> </ul>	2.865	0.143	3.009	<ul style="list-style-type: none"> <li>❖ Non-clog pump set (75 hp) for RAS: 6 nos.</li> <li>❖ Non-clog pump set (3 hp) for WAS: 1 no.</li> <li>❖ Dewatering pump (5 hp) for RAS: 1 no.</li> <li>❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no.</li> <li>❖ Motorized Chain Pulley Block (2t) for Inlet Well: 1 no.</li> <li>❖ Soft Starter for MCC unit: 16 nos.</li> <li>❖ Pumping line from Septage Receiving Station to Inlet Chamber: 500 m</li> <li>❖ CCTV Camera Unit: 1 no.</li> </ul>	50479	596

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.)			
						❖ AC units (1.5/2 t) for Admin Building: 9 nos.		
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
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
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
10	Thiruvananthapuram	Replacing and upgrading of old and damaged sewer line 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	1.386	0.069	1.455	❖ Sewer Network: 728 m ❖ Manhole Work: 32 nos. ❖ Road Restoration	125	116408
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
12	Thiruvananthapuram	Providing new sewer lines in Meleveedu Madan Kovil & Kukiliar Lane from House No. KLRA-80 to KLRA-125 in	0.348	0.017	0.365	❖ Sewer Network: 210 m ❖ Manhole Work: 11 nos. ❖ Road Restoration	63	58464

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.)			
		Jagathy Ward ❖ SWAP Capex: ₹0.348 Cr. ❖ SWAP O&M: ₹0.017 Cr. ❖ SWAP Total: ₹0.365 Cr. ❖ Agency: KWA						
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
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
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	46800
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. ❖ Agency: KWA	0.644	0.032	0.676	❖ Sewer Network: 364 m ❖ Manhole Work: 20 nos. ❖ Road Restoration	63	108160
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
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.	0.925	0.046	0.971	❖ Sewer Network: 380 m ❖ Manhole Work: 20 nos. ❖ Road Restoration	63	155312

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.)			
		<ul style="list-style-type: none"> <li>❖ SWAP O&amp;M: ₹0.046 Cr.</li> <li>❖ SWAP Total: ₹0.971 Cr.</li> <li>❖ Agency: KWA</li> </ul>						
<b>Sub Total: Thiruvananthapuram</b>			<b>23.084</b>	<b>1.003</b>	<b>24.088</b>	<ul style="list-style-type: none"> <li>❖ Sewer Network: 6053 m</li> <li>❖ Manhole Work: 724 nos.</li> <li>❖ Road Restoration</li> <li>❖ Non-clog pump set (75 hp) for RAS: 6 nos.</li> <li>❖ Non-clog pump set (3 hp) for WAS: 1 no.</li> <li>❖ Dewatering pump (5 hp) for RAS: 1 no.</li> <li>❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no.</li> <li>❖ Motorized Chain Pulley Block (2 t) for Inlet Well: 1 no.</li> <li>❖ Soft Starter for MCC unit: 16 nos.</li> <li>❖ Pumping line from Septage Receiving Station to Inlet Chamber: 500 m</li> <li>❖ CCTV Camera Unit: 1 no.</li> <li>❖ AC units (1.5/2 t) for Admin Building: 9 nos.</li> </ul>	<b>53800</b>	<b>4477</b>
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) <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹32.136 Cr.</li> <li>❖ SWAP O&amp;M: ₹5.244 Cr.</li> <li>❖ SWAP Total: ₹37.380 Cr.</li> <li>❖ Agency: KWA</li> </ul>	32.318	5.062	37.380	<ul style="list-style-type: none"> <li>❖ Sewer Network: 13408 m</li> <li>❖ Pumping Main: 761 m</li> <li>❖ Pumping Station: 1 no.</li> <li>❖ Manhole Work: 500 nos.</li> <li>❖ Sewer Connection: 2301 nos.</li> <li>❖ Road Restoration</li> </ul>	2301	162451
20	Kollam	Rehabilitation of existing sewerage system and extension of sewerage system for Zone A1 Part I KLM SS-01 and for commissioning of Karumalil and Vaddy pumping stations (balance works) <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹24.756 Cr.</li> <li>❖ SWAP O&amp;M: ₹5.244 Cr.</li> <li>❖ SWAP Total: ₹30.000 Cr.</li> <li>❖ Agency: KWA</li> </ul>	24.756	5.244	30.000	<ul style="list-style-type: none"> <li>❖ Sewer Network: 5887 m</li> <li>❖ Pumping Main: 660 m</li> <li>❖ Pumping Station: 2 nos.</li> <li>❖ Manhole Work: 98 nos.</li> <li>❖ Sewer Connection: 3275 nos.</li> <li>❖ Road Restoration</li> </ul>	3275	91603
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)	27.369	5.171	32.540	<ul style="list-style-type: none"> <li>❖ Sewer Network: 4342 m</li> <li>❖ Pumping Main: 2960 m</li> <li>❖ Pumping Station: 1 no.</li> <li>❖ Manhole Work: 98 nos.</li> <li>❖ Sewer Connection: 3566 nos.</li> <li>❖ Road Restoration</li> </ul>	3566	91251

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.)			
		<ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹27.369 Cr.</li> <li>❖ SWAP O&amp;M: ₹5.171 Cr.</li> <li>❖ SWAP Total: ₹32.540 Cr.</li> <li>❖ Agency: KWA</li> </ul>						
<b>Sub Total: Kollam</b>			<b>84.443</b>	<b>15.477</b>	<b>99.920</b>	<ul style="list-style-type: none"> <li>❖ Sewer Network: 23637 m</li> <li>❖ Pumping Main: 4381 m</li> <li>❖ Pumping Station: 4 nos.</li> <li>❖ Manhole Work: 696 nos.</li> <li>❖ Sewer Connection: 9142 nos.</li> <li>❖ Road Restoration</li> </ul>	<b>9142</b>	<b>109298</b>
22	Alappuzha	5 MLD Sewerage scheme for Alappuzha Municipality with STP (Phase-1) <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹64.852 Cr.</li> <li>❖ SWAP O&amp;M: ₹3.148 Cr.</li> <li>❖ SWAP Total: ₹68.000</li> <li>❖ Agency: KWA</li> </ul>	64.852	3.148	68.000	<ul style="list-style-type: none"> <li>❖ STP Capacity: 5 MLD</li> <li>❖ Co-treatment Capacity: 13 KLD</li> <li>❖ Sewer Network: 9790 m</li> <li>❖ Pumping Main: 800 m</li> <li>❖ Pumping Station: 1 no.</li> <li>❖ Lifting Station: 3 nos.</li> <li>❖ Manhole Work: 384 nos.</li> <li>❖ Sewer Connection: 2048 nos.</li> <li>❖ Co-treatment: 11100 nos.</li> <li>❖ Road Restoration</li> </ul>	13148	51719
23	Thrissur	5 MLD Sewerage Scheme for Thrissur Corporation Poomkunnam - Kottapuram area <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹44.860 Cr.</li> <li>❖ SWAP O&amp;M: ₹3.820 Cr.</li> <li>❖ SWAP Total: ₹48.680 Cr.</li> <li>❖ Agency: KWA</li> </ul>	44.860	3.820	48.680	<ul style="list-style-type: none"> <li>❖ STP Capacity: 5 MLD</li> <li>❖ Co-treatment Capacity: 22 KLD</li> <li>❖ Sewer Network: 10103 m</li> <li>❖ Pumping Main: 100 m</li> <li>❖ Pumping Station: 1 no.</li> <li>❖ Lifting Station: 2 nos.</li> <li>❖ Manhole Work: 426 nos.</li> <li>❖ Sewer Connection: 1016 nos.</li> <li>❖ Co-treatment: 27160 nos.</li> <li>❖ Road Restoration</li> </ul>	28176	17277
24	Thrissur	Decentralized Sewerage Scheme for Thrissur Corporation <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹64.200 Cr.</li> <li>❖ SWAP O&amp;M: ₹6.000 Cr.</li> <li>❖ SWAP Total: ₹70.200 Cr.</li> <li>❖ Agency: ULB</li> </ul>	64.200	6.000	70.200	<ul style="list-style-type: none"> <li>❖ STP Capacity: 2.5 MLD</li> <li>❖ Sewer Network: 26789 m</li> <li>❖ Pumping Main: 1020 m</li> <li>❖ Pumping Station: 1 no.</li> <li>❖ Manhole Work: 1016 nos.</li> <li>❖ Sewer Connection: 2708 nos.</li> <li>❖ Road Restoration</li> </ul>	2708	259232
<b>Sub Total: Thrissur</b>			<b>109.060</b>	<b>9.820</b>	<b>118.880</b>	<ul style="list-style-type: none"> <li>❖ Number of STPs: 2 nos.</li> <li>❖ STP Capacity: 7.5 MLD</li> <li>❖ Co-treatment Capacity: 22 KLD</li> <li>❖ Sewer Network: 36892 m</li> <li>❖ Pumping Main: 1120 m</li> <li>❖ Pumping Station: 2 nos.</li> <li>❖ Lifting Station: 2 nos.</li> <li>❖ Manhole Work: 1442 nos.</li> <li>❖ Sewer Connection: 3724 nos.</li> <li>❖ Cotreatment: 27160 nos.</li> <li>❖ Road Restoration</li> </ul>	<b>30884</b>	<b>38492</b>
<b>Grand Total – 24 Projects</b>			<b>281.439</b>	<b>29.448</b>	<b>310.888</b>	<ul style="list-style-type: none"> <li>❖ Number of STPs: 3 nos.</li> </ul>	<b>106974</b>	<b>29062</b>

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.)			
		<ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹281.257 Cr.</li> <li>❖ SWAP O&amp;M: ₹29.632 Cr.</li> <li>❖ SWAP Total: ₹310.889</li> <li>❖ Agency: KWA – 23 nos.</li> <li>❖ Agency: ULB – 1 no.</li> </ul>				<ul style="list-style-type: none"> <li>❖ STP Capacity: 12.5 MLD</li> <li>❖ Co-treatment Capacity: 35 KLD</li> <li>❖ Sewer Network: 76372 m</li> <li>❖ Pumping Main: 6801 m</li> <li>❖ Pumping Station: 7 nos.</li> <li>❖ Lifting Station: 5 nos.</li> <li>❖ Manhole Work: 3246 nos.</li> <li>❖ Sewer Connection: 14914 nos.</li> <li>❖ Co-treatment: 38260 nos.</li> <li>❖ Road Restoration</li> <li>❖ Non-clog pump set (75 hp) for RAS: 6 nos.</li> <li>❖ Non-clog pump set (3 hp) for WAS: 1 no.</li> <li>❖ Dewatering pump (5 hp) for RAS: 1 no.</li> <li>❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no.</li> <li>❖ Motorized Chain Pulley Block (2 t) for Inlet Well: 1 no.</li> <li>❖ Soft Starter for MCC unit: 16 nos.</li> <li>❖ CCTV Camera Unit: 1 no.</li> <li>❖ AC units (1.5/2 t) for Admin Building: 9 nos.</li> </ul>		

#### SMMU Observations:

- ❖ The DPR of Sl. No. 6 (Thiruvananthapuram Corporation) includes the supply and installation of a CCTV camera unit-1 no. (₹1.371 lakh) as well as the supply and installation of AC units-9 nos. (₹5.227 lakh).
- ❖ The DPR of Sl. No.23 (Thrissur Corporation) includes a DPR preparation charge of ₹0.931 Cr. (implementation agency: KWA).
- ❖ The Capex cost as per the DPR of Sl. No. 19 (Kollam Corporation) is ₹0.182 Cr. more than the Capex cost as per SWAP. The same will have to be borne by the ULB.
- ❖ In the case of Sl. No.23 (Thrissur Corporation), there is public protest against the project. Hence, the ULB may have to change the proposed location (Kottappuram) of the STP, which in turn will necessitate a redesigning of the sewer network. This might result in variation in the cost associated with the project.
- ❖ In the case of Sl. No.24 (Thrissur Corporation), the Agriculture Dept. has rejected the ULB's request to provide clearance for the proposed STP location (Kokkala). Hence the ULB will have to identify alternative land, which may lead to redesigning of the sewer network and variation in the project cost, or try again to obtain permission from the Agriculture Dept., which may cause a lengthy delay in the implementation of the project.

#### Decision Taken:

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.

### **Agenda Item No.13.6: 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

### Observations of SMMU:

The SHPSC, in its 7th committee meeting, directed the CTP to assess the feasibility of all prominent projects proposed in Tranche 3 under the Waterbody Rejuvenation and Parks sector. Accordingly, the CTP has reviewed the feasibility of 111 waterbody rejuvenation projects and 69 Park projects. It was reported that most of these projects are feasible, except for the following:

- Rejuvenation of Cholayil Pond and Rejuvenation of Cholayil Soorya Pond in Guruvayoor Municipality, where feasibility was contingent upon the acquisition of private land. However, the Secretary of Guruvayoor Municipality has now reported that the required lands have been acquired by the Municipality. Consequently, the projects are now placed before the committee for the issuance of administrative sanction.
- Rejuvenation of the Pond at Puzhakulangara in Taliparamba Municipality, Kannur District, which is not feasible due to the need for consent from the Church authorities. Later, the proposal was canceled by the 9th SHPSC.
- The development of parks near the Alisserry Temple Pond in Alisserry Ward, Alappuzha Municipality, is contingent upon permitting access to the general public. Temple authorities have now granted consent for public access. Therefore, the project is being presented to the committee for the issuance of Administrative Sanction.

The details are as follows.

#### A. List of Waterbody Rejuvenation Projects for Administrative Sanction Consideration.

Sl. No.	ULB	Project Title	Amount as per DPR			Major Components
			Estimated Project Cost (₹ Cr.)	Estimated Capex Cost (₹ Cr.)	Estimated O&M Cost (₹ Cr.)	
<b>TRANCHE 2</b>						
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 (9.61m <sup>3</sup> ), steps, Aerators, Water treatment Mechanisms, Wetlands etc, *Latitude-10.9814 *Longitude-76.0358 *Area-7 cents
3	SREEKANDAPURAM	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-12.0468 *Longitude-75.5582 *Area-53.6 cent
4	KOYILANDY	Rejuvenation of Vadakkumpattillam pond	0.33	0.3	0.03	Desilting (501.84cum), Rubble Masonry (372.88 cum), Reinforced

		(KL-KOYILANDY-17293) *SWAP TOTAL:0.33 *SWAP CAPEX:0.3 *SWAP O&M:0.03				Cement Concrete (19.22cum), Aerators, Embankments, Floating Wetlands *Latitude-11.4764 *Longitude-75.7177 *Area-5 cent
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	THIRUVANAN THAPURAM	Beautification and Rejuvenation of Pinakottukonam Pond in Chempazhanthy Ward (KL- THIRUVANANTHAPURAM- 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-8.56613 *Longitude-76.896547 *Area-99.83 cent
7	THIRUVANAN THAPURAM	Beautification and rejuvenation of Charachira Pond in Nanthancode Ward (KL- THIRUVANANTHAPURAM- 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-8.51609 *Longitude-76.9492 *Area-184.85 cent
<b>Total (Tranche II)</b>			<b>6.050</b>	<b>5.805</b>	<b>0.245</b>	
<b>TRANCHE 3</b>						
8	MAVELIKKAR A	AMRUT 2.0 Rejuvenation of Theruvikulam 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-9.2428 *Longitude-76.546 *Area-119.85 cent
9	KAYAMKULA M	AMRUT 2.0 Rejuvenation of Iratkulam 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 (5.20m <sup>3</sup> ), GI fencing, Footpath (124 sqm), concrete (10.680cum), Hand rail etc. *Latitude-9.159354 *Longitude-76.506198 *Area-21.25 cent
10	KAYAMKULA M (M)	AMRUT 2.0 Rejuvenation of Othanakulam Ward 1 of	0.04	0.037	0.003	Desilting(191.1cum) Footpath (43sqm), Handrail, GI chain link

		Kayamkulam Municipality (KL-KAYAMKULAM-14945) *SWAP TOTAL:0.041 *SWAP CAPEX:0.038 *SWAP O&M:0.003				fencing etc. *Latitude-9.18641 *Longitude-76.482516 *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 m <sup>3</sup> ), Water treatment Mechanism, handrail etc. *Latitude-9.18433 *Longitude-76.529023 *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-9.159354 *Longitude-76.506198 *Area-35.581 cent
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-10.4659 *Longitude-75.5524 *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-154.4M <sup>3</sup> , Foot path-138 M <sup>2</sup> ; Hand Rail-322 Kg of SS (North- East side) *Latitude-10.3451 *Longitude-76.0051 *Area-49 cent
15	KUNNAMKULAM (M)	Rejuvenation of Meembikulam in Kunnankulam 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-10.658925 *Longitude-76.083787 *Area-22.49 cent
16	KUNNAMKULAM	Rejuvenation of Cheruvathurkulam in Kunnankulam 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-10.6497 *Longitude-76.066118 *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 (226.500cum), Water Quality Monitoring, plantation etc. *Latitude-10.658181 *Longitude-76.030352 *Area-24.96 cent
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-10.3835 *Longitude-76.0319 *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-10.3744 *Longitude-76.03 *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-10.3743 *Longitude-76.035 *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-10.9727 *Longitude-76.224222 *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 works with Rubble Masonry(313.20cum), Concrete(44.55cum), Handrails, Water Treatment Mechanism *Latitude-10.974093 *Longitude-76.221405 *Area-6.42 cent
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 works with Rubble Masonry(477.64cum) Concrete(8.525cum) Handrails, Water Quality Monitoring, Plantation etc *Latitude-10.9880356 *Longitude-75.8938716 *Area-22 cent
24	TANUR	AMRUT 2.0 Water Body Rejuvenation /Irattakulam Pond Rejuvenation at Div 03 in Tanur Municipality	0.294	0.269	0.025	Cleaning, Desilting(278.8cum), Protection works with Rubble Masonry (578.31cum), Handrails, Plantation, Constructed Wetlands/

		(KL-TANUR-15210) *SWAP TOTAL:0.271 *SWAP CAPEX:0.246 *SWAP O&M:0.025				Floating Wetland, Aerators *Latitude-11.0115182 *Longitude-75.8745391 *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 works with Rubble Masonry (DR= 539.482 cum), Concrete (39.78m <sup>3</sup> ), Water Treatment Mechanism, Plantation etc. *Latitude-10.926638 *Longitude-75.932726 *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-10.889495 *Longitude-76.077103 *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-10.880046 *Longitude-76.078086 *Area-33 cent
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-10.8879302 *Longitude-76.0493783 *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 m <sup>3</sup> ), Water Treatment Mechanism, Floating Wetland, Handrail etc. *Latitude-10.886947 *Longitude-76.066357 *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-10.9011174 *Longitude-76.0615716 *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-10.8788883 *Longitude-76.0569765

						*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 m <sup>3</sup> ); Handrails *Latitude-10.3644 *Longitude-76.01146 *Area-9.9 cent
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-10.61238 *Longitude-76.020629 *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-10.569819 *Longitude-76.047447 *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-10.60439 *Longitude-76.042561 *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 m <sup>3</sup> ), Laterite walls (723.0 M <sup>3</sup> ); Concrete (102.56m <sup>3</sup> ); Handrails, Water treatment Mechanisms, Footpath(212.300sqm) etc. *Latitude-11.94488 *Longitude-75.57799 *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-9.0038 *Longitude-76.7747 *Area-18.534 cent
38	KOTTARAKKARA	Kottarakara Municipality -Water Body Rejuvenation -Avanoor Pond (KL-KOTTARAKKARA-15057) *SWAP TOTAL:0.105 *SWAP CAPEX:0.1	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.

		*SWAP O&M:0.005				*Latitude-9.01133 *Longitude-76.76409 *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-9.61477 *Longitude-76.526522 *Area-12.60 cent
41	KOTTAYAM (M)	Side protection for Thrikkayyil 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-9.60572 *Longitude-76.521822 *Area-3 cent
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 (44.25m <sup>3</sup> ), Dry Rubble Masonry (207.25cum), concrete (38.75m <sup>3</sup> ); Handrail, footpath(24sqm), Water quality mechanisms. *Latitude-9.564402 *Longitude-76.5292 *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-11.176507 *Longitude-75.826367 *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), Solid Block (269cum), Protection work with Rubble Masonry (454cum), Footpath (740.43sqm), Plantation, Children Play Equipment etc. *Latitude-11.3282152 *Longitude-75.7483318 *Area-150 cent
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-11.5392061 *Longitude-75.6189867 *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-11.5250202 *Longitude-75.6376079 *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-11.3531 *Longitude-75.9012 *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-10.70169 *Longitude-76.73886 *Area-200 cent
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 m <sup>3</sup> ), Protection Work with Rubble Masonry (1015.0m <sup>3</sup> ), Concrete (95.22cum), Solid Block (16.8cum), Footpath(930.0sqm), Water treatment Mechanism, Fencing, Sign Board *Latitude-10.81055556 *Longitude-76.36944444 *Area-164.0 cent
50	OTTAPPALAM (M)	Renovation of Perumkulam in Ottapalam Municipality (KL-OTTAPPALAM-14638)	0.77	0.7	0.07	Cleaning, Deepening (1836.75m <sup>3</sup> ); Dry Rubble Masonry (471.0m <sup>3</sup> ), Concrete (66.0m <sup>3</sup> ), Footpath

		*SWAP TOTAL:0.77 *SWAP CAPEX:0.7 *SWAP O&M:0.07				(600.0sqm); Water Treatment Mechanism, Sign Board, fencing, etc. *Latitude-10.765 *Longitude-76.40916667 *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-10.770995 *Longitude-76.277877 *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 (13537.50m <sup>3</sup> ), 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-10.7852 *Longitude-76.27265 *Area-223.03 cent
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-10.76502 *Longitude-76.29178 *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-10.767122 *Longitude-76.299033 *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-10.77826 *Longitude-76.23035 *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-10.77614 *Longitude-76.25531 *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-10.76982 *Longitude-76.25714 *Area-8.1 cent
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-10.77387 *Longitude-76.26568 *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-10.195 *Longitude-76.19827 *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-10.18575 *Longitude-76.19539 *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, Chequerred precast CC tiles (90sqm) *Latitude-10.198 *Longitude-76.192312 *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	0.253	0.25	0.003	Cleaning, Footpath(720sqm), Handrail, Construction of Shelter for public recreation, Water management mechanism; Lighting, Seating etc. *Latitude-10.203137

		*SWAP O&M:0.003				*Longitude-76.193488 *Area-100 cent
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-10.20265 *Longitude-76.19913 *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-10.1921 *Longitude-76.1856 *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(1400m <sup>2</sup> ), Handrail, Footpath(133.8sqm), Name board, Painting etc. *Latitude-10.195006 *Longitude-76.193789 *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 Masonry (285 m <sup>3</sup> ), Concrete (48.07cum), hand rail, water treatment mechanisms etc. *Latitude-10.3726 *Longitude-76.2259 *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 Masonry (325 m <sup>3</sup> ), hand rail, water treatment mechanisms etc. *Latitude-10.3469 *Longitude-76.226 *Area-9.16 cent
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 (14m <sup>2</sup> ), Handrail, Installation of Aerators, Wetland Construction, Water Treatment Mechanism, etc. *Latitude-11.13242 *Longitude-75.99008 *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-11.143641 *Longitude-75.98177

						*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-75.990081 *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-11.141125 *Longitude-75.988716 *Area-30.89 cent
72	KONDOTTY	AMRUT 2.0 - Cherupadi 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-11.109999 *Longitude-75.989415 *Area-4.94 cent
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-11.122993 *Longitude-76.007137 *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-11.1244 *Longitude-75.966499 *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-11.14617 *Longitude-75.963565 *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-11.133963 *Longitude-75.97708 *Area-7.40 cent
77	KONDOTTY	AMRUT 2.0 - Koonayil Kulam Renovation	0.012	0.01	0.002	Cleaning, Protection work with Rubble Masonry (4.83cum),

		(KL-KONDOTTY-11248) *SWAP TOTAL:0.012 *SWAP CAPEX:0.01 *SWAP O&M:0.002				Handrails, *Latitude-11.160982 *Longitude-75.969174 *Area-4.94 cent
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-11.171 *Longitude-75.96841 *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-11.12032 *Longitude-76.177275 *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-10.525297 *Longitude-76.170806 *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(27m <sup>3</sup> ); Protection with rubble (388.705cum), concrete (82.43cum), Handrails, CC Footpath (237.50sqm) *Latitude-10.56166 *Longitude-76.214574 *Area-24.95cent
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-10.479472 *Longitude-76.202769 *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-10.529749 *Longitude-76.18326 *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-10.4954 *Longitude-76.2046 *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-10.488921 *Longitude-76.222948 *Area-50.16cent
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-10.5284 *Longitude-76.2539 *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-10.4966 *Longitude-76.2093 *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), Hand Rails, Compound Wall, Water treatment mechanism etc.. *Latitude-10.490559 *Longitude-76.209069 *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-76.239486 *Area-80.06 cent

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-10.51333 *Longitude-76.2328 *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), Hand Rail, Water Treatment Mechanism etc. *Latitude-10.509347 *Longitude-73.231626 *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-10.512 *Longitude-76.1764 *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, Hand Rail, Footpath (441.0sqm). *Latitude-10.483648 *Longitude-76.20228 *Area-74.14 cent
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), Hand Rail(3Tonne), Footpath (211.50sqm), Electrification, Water Treatment Mechanism, etc. *Latitude-10.520484 *Longitude-76.236015 *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-10.5097 *Longitude-76.2113 *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, Hand Rails, Padavu, Water Treatment Mechanism, Electrification etc. *Latitude-10.506287 *Longitude-76.213872 *Area-138.3872 cent
97	NEYYATTINKARA (M)	Thoppu kulam Rejuvenation in Kavalakulam Ward in Neyyattinkara Municipality (KL-NEYYATTINKARA-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-8.39120506 *Longitude-77.073732 *Area-80 cent
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-8.562652 *Longitude-76.946245 *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	0.4810	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-8.466885 *Longitude-76.982194 *Area-60 cent
101	THIRUVANANTHAPURAM	Rejuvenation of Aarivilantikonam Kulam in Estate Ward (KL-THIRUVANANTHAPURAM-15619) *SWAP TOTAL:0.94	0.94	0.9126 2	0.0273 8	Clearing, Excavation(281.25cum), Protection work with Rubble Masonry(956.25cum), Concrete(70cum), Water Quality Monitoring, Plantation, Stone Bench, Floating wetlands, Aerator,

		*SWAP CAPEX:0.91262 *SWAP O&M:0.02738				etc. *Latitude-8.474603 *Longitude-76.987614 *Area-50 cent
102	THIRUVANANTHAPURAM	Rejuvenation of Malapparikonam pond in Powdikonam ward (KL-THIRUVANANTHAPURAM-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-8.573167 *Longitude-76.934877 *Area-43 cent
103	THIRUVANANTHAPURAM	Rejuvenation of Irunkunnam kulam in Nettayam ward. (KL-THIRUVANANTHAPURAM-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-8.54278 *Longitude-76.98648 *Area-29.4 cent
104	THIRUVANANTHAPURAM	Rejuvenation of Ellavumoottukulam in Kodunganoor Ward. (KL-THIRUVANANTHAPURAM-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
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, Children's 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-8.497107 *Longitude-76.987857 *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-8.49982 *Longitude-76.90953 *Area-36 cent
108	THIRUVANANTHAPURAM	Renovation of Nambidikulam 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-8.58316341 *Longitude-76.90139745 *Area-51.89 cent
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	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-8.54853 *Longitude-76.93212 *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-8.5434639 *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
112	THIRUVANANTHAPURAM	Renovation of Valiyakulam Pond in Thaliyal in Kalady Ward (KL-	1	0.95	0.05	Clearing, Excavation (585.00cum), Protection work with Rubble Masonry(948.26cum), Concrete

		THIRUVANANTHAPURAM-14257) *SWAP TOTAL:1 *SWAP CAPEX:0.95 *SWAP O&M:0.05				protection wall (180.45cum), Aerators, Water Treatment Mechanism, Floating Wetland, Handrail, Stone Benches, Electrification, Drains etc. *Latitude-8.469111 *Longitude-76.967264 *Area-111 cent
113	THIRUVANANTHAPURAM	Maintenance of Thamarabhagom Pond in Medical College Ward (KL-THIRUVANANTHAPURAM-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-8.51618333 *Longitude-76.93057816 *Area-34 cent
114	THIRUVANANTHAPURAM	Renovation of Perumkarikinchira Pond in Kazhakkuttam ward (KL-THIRUVANANTHAPURAM-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-8.564151 *Longitude-76.870366 *Area-99.98 cent
115	THIRUVANANTHAPURAM	Rejuvenation of Kavukonamchira in Attipra ward (KL-THIRUVANANTHAPURAM-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-8.552522 *Longitude-76.887219 *Area-63 cent
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-8.529457 *Longitude-76.9864675 *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-8.526856 *Longitude-76.914068 *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, Children's Park (swing set, slides, Merry go round and Seesaw) etc *Latitude-8.38132 *Longitude-77.00248 *Area-34.99 cent
120	THIRUVANANTHAPURAM	Renovation of Keezhetikavu (Puthukulam) pond at Cheuvaikal ward (KL-THIRUVANANTHAPURAM-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-8.538165 *Longitude-76.916786 *Area-49.42 cent
121	THIRUVANANTHAPURAM	Renovation of Paraykkottukonam Kulam in Edavakkode Ward (KL-THIRUVANANTHAPURAM-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-8.554058 *Longitude-76.92192 *Area-30.89 cent
122	THIRUVANANTHAPURAM	Construction Of Cherukarakonam Kulam Work In Pattom Ward (KL-THIRUVANANTHAPURAM-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-THIRUVANANTHAPURAM-15613) *SWAP TOTAL:0.0429 *SWAP CAPEX:0.04184	0.0429	0.04184	0.00106	Clearing, Deepening(157.5cum), Conveyance of desilted Earth, Plantation, Aerators, Water Quality Monitoring, etc. *Latitude-8.534092 *Longitude-76.926364 *Area-43.24 cent

		*SWAP O&M:0.00106				
124	THIRUVANANTHAPURAM	Maintenance of Kuzhikkattukonam 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-8.595397 *Longitude-76.881317 *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-8.3644 *Longitude-76.5932 *Area-5 cent
126	NEDUMANGAD (M)	Rejuvenation of Punnavelikonam 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-8.597674 *Longitude-77.009999 *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-8.617246 *Longitude-77.008938 *Area-15 cent
128	NEDUMANGAD (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-8.613875 *Longitude-77.015034 *Area-29.65 cent
		Total (Tranche III)	59.602	56.855	2.747	
		<b>Total (Tranche II &amp; III)</b>	<b>65.652</b>	<b>62.66</b>	<b>2.992</b>	

**B. List of Parks & Green Spaces Projects for Administrative Sanction Consideration.**

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
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.O- 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	THRIKKAKAR A(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
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	MUVATTUPUZHA (M)	Dream Land Park Renovation and Beautification (KL-MUVATTUPUZHA-14827)	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,



		*SWAP TOTAL:0.54 *SWAP CAPEX:0.5 *SWAP O&M:0.04				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	PERUMBAVOOR (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
15	THODUPUZHA (M)	Construction of M. Jinadevan Park,Nadakulam of Thodupuzha Municipality (KL-THODUPUZHA-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
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 Kothamagalam (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), Open stage, Toilet Blocks, Water Table, Electrification, CCTV, Open Gym, Play 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
26	PARAPPANANGADI	Keeranallur New cut Garden Space Development (KL-PARAPPANANGADI-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	VALANCHERRY	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
32	WADAKKANCHERI	Community Park at Minalur (KL-WADAKKANCHERI-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	0.43705 41	0.41705 41	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	CHANGANASSERY (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	CHANGANASSERY (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 m <sup>2</sup> ), Tree Guard *Latitude-9.44251 *Longitude-76.6342

						*Area-11.62 cent
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, Seeswa, Circular swing); Benches; Plantation; Electrification and Lighting, Waste Bin *Latitude-9.593545 *Longitude-76.6342 *Area-5.44 cent
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
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	KOZHIIKODE	Renovation of the Kozhikode Corporation Lion's Park (KL-KOZHIIKODE-13708) *SWAP TOTAL:2.6	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

		*SWAP CAPEX:2.25 *SWAP O&M:0.35				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	RAMANATTU KARA	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 Earth work (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
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), Children's park & Play area(Spiral Slide, Metal outdoor chair marry go round, swing ,slide, multi play station), 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	1.757	1.607	0.15	Landscaping, Pathway, Parking Area, playing equipment, Solar lighting system, Lighting System, Entrance gate, sitting

		(KL-KASARAGOD-17366) *SWAP TOTAL:1.757 *SWAP CAPEX:1.607 *SWAP O&M:0.15				benches, Food Court, Snack Bar, blocks, Waste Bins, Signage's, Se. Corners, Ticket Counter, Security Cabi., 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 Nechikuttu-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 [166.0m <sup>3</sup> ]; 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
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 - Choottakkadavu 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	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

		*SWAP O&M:0.05				*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
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 Mahathma 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



61	MANJERI (M)	Construction of hill view park at Vettekkode 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	NEDUMANGA D (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), Paver Block Tiles Footpath (408.0sqm), Plantation, Water Fountain, Landscape, Steel Chair, Electrification etc. *Latitude-8.603402 *Longitude-76.6342 *Area-49.9184 cent
<b>TOTAL</b>			<b>34.942</b>	<b>31.56</b>	<b>3.382</b>	

**Decisions:**

❖ **The committee recommend the following to the SHPSC:**

- 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). 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 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).*

- *The upkeep of parks is essential for enhancing the quality of urban life and promoting environmental sustainability. Therefore, it is imperative to allocate sufficient funds to ensure their proper maintenance, development, and long-term preservation.*
- *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.*

**Agenda Item No.13.7: 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.

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.
<b>Total (WBR)</b>			<b>0.25</b>	<b>0.05</b>	<b>0.30</b>	
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.
<b>Total (Parks and Green Spaces)</b>			<b>1.149</b>	<b>0.088</b>	<b>1.237</b>	

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

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	<b>Area:</b> 35 cent; Lat :10.99007 Long:75.9952 <b>Components:</b> Deepening [1816m <sup>3</sup> ], side protection wall [223m <sup>3</sup> ], Concrete [27.83m <sup>3</sup> ], handrail, fencing, pathway, lighting, etc.
<b>Total (WBR)</b>			<b>0.4454</b>	<b>0.03</b>	<b>0.4754</b>	
2	Mattannur	AMRUT 2.0 - Green Space Park at Karithoor Parambu in Mattannur Municipality.	0.56	0.04	0.60	<b>Area:</b> 50cent. Lat:11.932850"N, Long:75.5 718 61'E <b>Components:</b> 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	<b>Area:</b> 60 cent; Lat:&Long:9.743,76.392;9.7674, 76.3926;9.7454,76.4059;9.7520, 76.38869. <b>Components.</b> Jogging track/ walkway Open mini gym, Gardens and green space, Children play area, foot path, Landscape, Ambient lighting etc.
<b>Total (Parks and Green Spaces)</b>			<b>1.149</b>	<b>0.088</b>	<b>1.237</b>	

### Observation of SMMU

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 present proposal is well within 10% of Tranche 2 (Rs. 683.07 Cr.). 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 Kottasherri Public Pond in Ward 17 of Kottakkal Municipality" [Sl.No.2, Agenda 13.6].

### Decision:

#### ❖ The SLTC recommended to the SHPSC the following:

1. 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.
2. 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. 0.60Cr. [CAPEX- 0.56Cr.;O&M- 0.04 Cr.].
3. 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.).

4. Accord the Administrative Sanctions for replacement projects subject to

- Approval by the APEX Committee of MoHUA.
- The project must serve the public good and secure all necessary regulatory clearances before commencement.

❖ **ULBs should implement measures to ensure that water bodies remain consistently clean and well-maintained.**

### **Agenda Item No.13.8: 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.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.
- 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 <b>AS:</b> Rs.10.0 Lakh (Capex: Rs.8.1 Lakh; O&M: Rs.1.9 Lakh.) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. <b>Revised AS Required:</b> Rs.10.383Lakh. [Capex-Rs.8.483lakh.; O&M: Rs.1.9 lakh]. <b>Area:</b> 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 <b>AS:</b> 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. <b>Revised AS Required:</b> Rs.31.533Lakh.[Capex-Rs.28.883 lakh;O&M :Rs.2.65 Lakh] <b>Area:</b> 49 cent	Tender Excess - 9.0%	29.15	31.533	2.383	1.192	1.192

Palakkad	AMRUT2.0- Rejuvenation of Moothanthara Kshetra kulam(Temple Pond) Palakkad Municipality. <b>AS:</b> 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. <b>Revised AS Required:</b> Rs 14.144 Lakh. [Capex-Rs.12.944Lakh;O&M :Rs. 1.2 lakh] <b>Area:</b> 119.1 cent	Tender Excess 8.64 %	13.2	14.144	0.944	0.236	0.708
Palakkad	AMRUT 2.0-Rejuvenation of Parakkulam Pond in Ward 34 Palakkad Municipality. <b>AS:</b> 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. <b>Revised AS Required:</b> Rs.23.122Lakh.[Capex-Rs.21.122Lakh;O&M :Rs. 2.0 lakh] <b>Area:</b> 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. <b>AS:</b> 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. <b>Revised AS Required:</b> Rs.34.503Lakh.[Capex-Rs.31.503Lakh;O&M :Rs. 3.0 lakh] <b>Area:</b> 103.8cent	Tender Excess 5.08%	33.0	34.503	1.503	0.376	1.127
Palakkad	AMRUT2.0-Rejuvenation of Karnakiyamman Valiyangadi pond in Ward 42 in Palakkad Municipality. <b>AS:</b> Rs.39.4Lakh (Capex:35.82 Rs Lakh; O&M: Rs.3.58 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. <b>Revised AS required.</b> Rs.45.286Lakh (Capex:Rs 41.71 Lakh; O&M: Rs.3.58 Lakh). <b>Area:</b> 67.7cent	Tender Excess 6.04%- 2.306 Lakh Additional works-3.58 Lakh. Total Excess-Rs.5.886 Lakh	39.4	45.286	5.886	1.471	4.415
Palakkad	AMRUT 2.0-Rejuvenation of Ardhanareesh pond in Ward 36 in Palakkad Municipality. <b>AS:</b> 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. <b>Revised AS required.</b> Rs.37.433Lakh (Capex: Rs.34.123Lakh; O&M: Rs.3.31 Lakh). <b>Area:</b> 63.5 cent	Tender Excess 3.13%	36.4	37.433	1.033	0.258	0.775
Palakkad	AMRUT 2.0-Rejuvenation of Varithodu pond in ward 01 in Palakkad Municipality. <b>AS:</b> 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.	Tender Excess 6.18%	13.8	14.512	0.712	0.178	0.534

	<b>Revised AS required.</b> Rs.14.512Lakh (Capex: Rs13.262Lakh; O&M: Rs.1.25 Lakh). <b>Area:</b> 26.2 cent						
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**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 <b>AS:</b> 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 <b>Revised AS Required:</b> Rs.206.5 Lakh (Capex: Rs.205.0 Lakh; O&M: Rs.1.5 Lakh) <b>Area:</b> 250 cent	Additional works, including the footpath, handrail, electrification, and floating wetland, have been proposed. <b>The excess amount required for these works can be covered using the tender savings of Rs.32.37 lakh. (No additional financial commitment)</b>	176.5	206.5	30.00
Karunagappally	Rejuvenation of Nagari Pond in Div. 19 of Karunagappally Municipality <b>AS:</b> 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. <b>Revised AS Required:</b> Rs.14.042 Lakh (Capex: Rs.12.842 Lakh; O&M: Rs.1.2 Lakh) <b>Area:</b> 15 cent	The amount earmarked for O&M has also been tendered and utilized for the work, therefore, an AS revision is required. <b>The excess amount required for these will be covered by the ULB's own funds.</b>	13.2	14.042	0.842
Thrissur	Rejuvenation of Thrikkumarakudam Kulam in Division No.51 of Thrissur Corporation. <b>SWAP:</b> Rs.185 Lakh (Capex: Rs.175 Lakh; O&M: 10 Lakh). <b>AS:</b> Rs.110 Lakh (Capex: Rs.100 Lakh; O&M: Rs.10 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD, 26/09/2023. <b>Revised AS Required:</b> Rs.185 Lakh (Capex: Rs.175 Lakh; O&M: Rs.10 Lakh) <b>Area:</b> 222 cent	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 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. <b>Since MoHUA has already sanctioned Rs. 185 Lakh for the project, there is no additional financial commitment required.</b>	110.0	185.0	75.0

**Decision Taken:**

- ❖ **The Committee recommended to the SHPSC the revision of Administrative Sanction for the projects.**
  - *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. 14.0415 Lakh (Capex: Rs. 12.8415 Lakh; O&M: Rs.1.2Lakh) due to additional work.*
  - *AMRUT 2.0- Rejuvenation of Thrikkumarakudam Kulam in Division No.51 of Thrissur Corporation, from Rs. 110.0 Lakh (Capex- 100.0 Lakh; O&M- 10.0 Lakh) to Rs.185.0 Lakh (Capex: Rs.175.0 Lakh; O&M: Rs.10.0 Lakh) 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:**
  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 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.**

**Agenda Item No.13.9: 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.

- **Pattambi ULB & Kottarakkara ULB- AS revision due to estimate revision** -The source of funds for the additional amount required by the WS projects of Pattambi and Kottarakkara ULBs is currently unavailable. The same may be managed from the savings anticipated in other projects.
- **Taliparamba ULB & Vadakara Municipalities - AS revision due to tender excess.**

The tender excesses of water supply projects of Taliparamba and Vadakara Municipalities have been accepted by the ULB and KWA 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 lowest of the LMR, quoted amount or the prevailing DSR + 10% excess. The works have been awarded and are in progress.

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.
- **Nedumangad ULB- AS revision and ratification in issuing the TS for an amount exceeding the AS Amount by the KWA-** KWA has issued technical sanction for the water supply project in the Nedumangad ULB (5 sub works) for Rs. 11.166 Cr., exceeding the AS amount issued for Rs. 10.289

Cr. There is no additional financial commitment due to this as the excess amount can be met from the tender savings in the sub projects.

**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><b>Name of the Work: AMRUT-2.0 SWAP Pattambi Municipality-Augmentation of drinking water supply scheme</b></p> <ul style="list-style-type: none"> <li>AS Amount: Rs. 7.74 (CAPEX-7.04, OPEX-0.7) [GO(Rt)No.1906/2023/LSGD date:26.09.2023]</li> <li>Revised AS Amount Required: Rs. 9.75 (CAPEX:8.75, OPEX:1)</li> <li>Additional Amount Required over AS: Rs.1.71 Cr.</li> </ul> <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"> <li>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.</li> <li>Subsequently, a joint inspection conducted by KWA and ULB and identified the need to undertake essential renovation works at the existing Water Treatment Plant (WTP).</li> </ul>	7.04	9.75	1.71
Kottarakkara	<p><b>AMRUT 2.0-UWSS to Kottarakkara Municipality - Design and construction of 9LL OHSR at Eyyamkundu in Kottarakkara Municipality</b></p> <ul style="list-style-type: none"> <li>AS Amount: 2.02Cr (CAPEX-2.0Cr, OPEX-0.020Cr.) [G.O(Rt)No.677/2023/LSGD dt 21/03/2023]</li> <li>Revised AS Amount Required: Rs. 2.992 Cr. (CAPEX:2.965 Cr, OPEX:0.0274 Cr.)</li> <li>Additional Amount Required over AS: Rs.96.5 lakhs.</li> </ul> <p>Council Resolution: No.E2/11928/21 dated 12.6.2024.</p> <p>Source of fund: Savings anticipated from other projects</p>	<ul style="list-style-type: none"> <li>The project involves the construction of a 9-LL Overhead Service Reservoir (OHSR) at Eyyamkundu in Kottarakkara Municipality. However, the proposed site for the OHSR has been relocated to a lower altitude.</li> <li>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.</li> <li>The land registration has also been completed.</li> <li>Recommendation from the MD KWA is awaited.</li> </ul>	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	<p><b>Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline, and providing FHTCs in Taliparamba.</b></p> <p><b>AS Amount: 6.914 Cr (CAPEX-6.414 Cr, OPEX-0.5 Cr [G.O.(Rt)No.2906/2022/LSGD Dated:24-11-2022]</b></p> <p><b>The total excess amount required-17.125 Lakhs</b></p> <p><b>Package 1- Tender excess- Rs. 36,97,877.00</b>                      Package 2- Tender savings  <b>Revised AS Amount: Rs.7.08525 Cr. (CAPEX- 6.58525 Cr., OPEX- 0.50)</b></p> <p><b>Source of Fund:</b>                      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>	The work has been split to two. Package 1 was awarded with a tender excess of 8.70% and package 2 with tender savings. (6.6% below)	6.414	<b>6.585</b>	0.1713	0.185	0.185

Vatakar a	<p><b>AMRUT-2.0 -WSS to Vatakar Municipality: (Total 4 packages)</b>  <b>AS Amount: 15.777 (CAPEX-15.027, OPEX-0.75)</b>  [GO(Rt)No.473/2023/LSGD date:23.02.2023]</p> <p><b>Package 1</b></p> <ul style="list-style-type: none"> <li>• Tender excess – <b>Rs.46,83,027.06</b> /- (9.27% excess)</li> <li>• <b>Revised Amount required for Package 1: 5,52,12,631.88</b></li> </ul> <p><b>Package 2</b></p> <ul style="list-style-type: none"> <li>• Tender excess – <b>Rs.62,15,914.32</b> /- (7.56% excess)</li> <li>• <b>Revised Amount required for Package 2: Rs. 8,84,84,190.36</b></li> </ul> <p><b>Package 3</b></p> <ul style="list-style-type: none"> <li>• Tender excess – <b>Rs.1,11,342.44</b> /- (9.31% excess)</li> <li>• <b>Revised Amount required for Package 3: 27,56,730.16</b></li> </ul> <p><b>Package 4</b></p> <ul style="list-style-type: none"> <li>• Tender excess – <b>Rs.9,39,221.00</b> /- (9.95% excess)</li> <li>• Revised Amount required for Package 4: <b>Rs.1,11,85,454.82</b></li> </ul> <ul style="list-style-type: none"> <li>• Total Tender excess - <b>Rs.1,19,49,504.82</b></li> <li>• Water Connection Charges - <b>Rs.22,08,700.00</b></li> <li>• Electrification Charge - <b>Rs.4,05,000.00</b></li> <li>• Investigation Charge - <b>Rs.5,00,000.00</b></li> <li>• Total Revised AS Amount Required: <b>Rs. 16,07,52,707(CAPEX)</b></li> <li>• <b>Excess Amount required =Rs. 1.053 Cr</b></li> <li>• <b>Revised AS Amount: Rs.16.83 Cr. (CAPEX- 16.08 Cr., OPEX- 0.75)</b></li> </ul> <p><b>Source of Fund:</b></p> <ul style="list-style-type: none"> <li>• <b>Total fund:1,19,49,504.82</b></li> <li>• <b>State share:59,74,752.41</b></li> <li>• <b>ULB Share: 59,74,752.41</b></li> </ul> <p>MD KWA has recommended the revision of AS vide letter KWA-JB/106/2024-AE 10 dated 6.1.2025.  The council held on 19.08.2023 vide Resolution No 02 decided to request for AS revision.</p>	The work has been split to four Packages. All works have been awarded with tender excess and in progress.	15.027	16.08	1.053	0.60	0.60
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**C. Revision of the Administrative Sanction (AS) as the TS amount exceeded the AS Amount & Ratification:**

ULB	Name of work	Reason	AS Amount (Cr.)	Revised AS Amount (Cr.)	Excess Amount (Cr.)
Nedumangad	<p><b>Name of the Work: UWSS to Nedumangad Municipality- Replacing undersized and old dilapidated pipelines and providing FHTCs in Nedumangad.</b></p> <ul style="list-style-type: none"> <li>AS Amount: Rs. 10.80 Cr. (CAPEX: 10.289 Cr., OPEX: 0.515 Cr.[G.O.(Rt)No.473/2023/LSG Ddate:23.02.2023]</li> <li>Revised AS Amount Required: Rs. 11.681 (CAPEX:11.165 Cr., OPEX: Rs. 0.515 Cr.)</li> <li>Additional Amount Required over AS: NIL .(can be met from the tender savings of the sub-projects)</li> <li>Council Resolution: No.12 dated 30.11.2024 .</li> <li>MD KWA has recommended the revision of AS vide letter KWA-JB/3052/2023-AE 10 dated 6.1.2025</li> </ul> <p><b>Source of Fund:</b></p> <ul style="list-style-type: none"> <li>No additional financial commitment due to this. The excess amount can be met from the tender savings of the sub-projects</li> </ul>	<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	11.165	0

**Decision Taken:**

- ❖ **The Committee recommended the revision of the Administrative Sanction for the following water supply projects to the SHPSC;**
  - *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 Eyyamkunnu- to Rs. 2.992 Cr. (CAPEX:2.965 Cr, OPEX:0.0274 Cr.) subject to the recommendation of the Managing Director, KWA.*
- ❖ **The JMD, KWA was instructed to submit the recommendation of MD, KWA within a week.**
- ❖ **The Tender appraisal committee constituted vide decision No.13.8 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.**

**Agenda Item No.13.10: 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.**

ULB	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
Kothamangalam	<b>Puthuppadi drinking water scheme</b> AS Amount: 1.019 Cr. (Capex 0.97 Cr. + Opex- 0.049 Cr.)	Tender Excess – 6.714%.	0.97	1.034	0.064	0.0325	0.0325

	<p>[G.O.(Rt)No.1909/2023/LSGD; Dated-26-09-2023]  <b>TS Amount:0.97 Cr</b>  <b>Tendered PAC (TPAC with GST): Rs. 82,14,588 /-</b>  <b>Local Market Rate (LMR) Amount: Rs. 93,28,799/-</b>  <b>Current DSR + 10%: Rs. 90,36,497 /-</b>  <b>Lowest Quoted Amount after negotiation: Rs.87,66,151</b>  <b>No. of times tendered-2 times</b>  <b>Accepted PAC + GST @ 18%: 1,03,44,058.2/-</b>  <b>Tender excess – Rs.6,50,844 /- (6.714% excess)</b>  <b>Excess Amount required- 6,44,058 from AS</b>  <b>Revised AS Amount: Rs.1,08,34,058.2 (Capex-1,03,44,058.2, Opex-4,90,000)</b>  Council decided to meet 50% of the tender excess vide Council Decision: No. 26 dated 30.10.2024.</p>						
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Kothamangalam	<p><b>Valiyapara drinking water scheme</b>  <b>AS Amount: 1.491 Cr. (Capex 1.42 Cr. Opex 0.071 Cr.)</b>  [G.O.(Rt)No.1909/2023/LSGD Dated-26-09-2023]  <b>TS Amount:1.42 Cr</b>  <b>Tendered PAC (TPAC with GST): Rs. 14166047.5 /-</b>  <b>Local Market Rate (LMR) Amount: Rs. 13516706.26/-</b>  <b>Current DSR + 10%: Rs. 13206229.67 /-</b>  <b>Lowest Quoted Amount after negotiation: Rs.1,31,24,133 (Least)</b>  <b>No. of times tendered-2 times</b>  <b>Accepted PAC + GST @ 18%: 15486476.9/-</b>  <b>Tender excess – Rs.1320429.4/-(9.32% excess)</b>  <b>Excess amount required: 12,86,476.9 from AS</b>  <b>Revised AS Amount: Rs.1, 61, 96, 476.9 (Capex -1, 54, 86, 476.9/- Opex – 7,10,000/)</b>  Council decided to meet 50% of the tender excess vide Council Decision: No. 19 dated 18.11.2024.</p>	Tender Excess - 9.32%	1.42	1.548	0.1286	0.066	0.066
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Kothamangalam	<p><b>Karingazha drinking water scheme</b>  <b>AS Amount: 1.748 Cr (Capex 1.665 Cr. + Opex- 0.083 Cr.)</b> [G.O.(Rt) No. 1909/2073 /LSGD Dated-26-09-2023]</p> <ul style="list-style-type: none"> <li>● <b>TS Amount:</b>1.665 Cr</li> <li>● <b>Tendered PAC (TPAC with GST):</b> Rs 16644613/-</li> <li>● <b>Local Market Rate (LMR) Amount:</b> Rs. 15855027.31/-</li> <li>● <b>Current DSR + 10%:</b> Rs. 15517193.77 /-</li> <li>● <b>Lowest Quoted Amount after negotiation:</b> Rs.1,54,40,231.44 (Least)</li> <li>● <b>No. of times tendered-2 times</b></li> <li>● <b>Tender excess</b> – Rs 15,74,860/- (9.46 %)</li> <li>● <b>Accepted PAC + GST @ 18%:</b> 1,82,19,473.09/-</li> <li>● <b>Excess amount required:</b> 15,69,473 from AS</li> </ul> <p><b>Revised AS Amount: Rs. 1,90,49,473/- (Capex-1,82,19,473, Opex—8,30,000 /-)</b>  Council decided to meet 50% of the tender excess vide Council Decision: No. 33 dated 23.12.2024.</p>	Tender Excess - 9.46 %	1.665	1.822	0.157	0.079	0.079
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**Decision Taken:**

- ❖ **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 for the following Micro water supply projects in Kothamangalam ULB to the SHPSC;**
  - *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.*

**Agenda Item No.13.11: 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	SWA P	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Reason
1	Panoor	Kakkayaprath Koovappadi water supply scheme	1	0.280	0.015	0.295	The Micro water supply project at Kakkayaprath Koovappadi water supply Scheme has been cancelled by the ULB due to low yield of the open well which could not cater to the drinking water requirements of the proposed water supply scheme. <b>Hence, another site selection process is happening from the Panoor ULB.</b>

**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- Nediyinga 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 need to be cancelled due to very low yields.

Sl. No.	ULB	Name of Project	SW AP	Capex in Cr.	O&M in Cr.	Project Cost in Cr.	Reason
1	Sreekandapuram	Nediyinga PHC DWSS ID-KL-SREEKANDAPURAM-8935	2	1.500	0.150	1.650	The proposed Micro water supply scheme at Nediyinga PHC 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 letter/file no: 1444702- 2024, dated 31/8/2014.
2	Sreekanadapuram	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 letter/file no: 1444702- 2024, dated 31/8/2014.

### **Decision Taken:**

❖ **The SLTC recommended to the SHPSC the cancellation of following Micro water supply projects:**

1. *Panoor Municipality- "Kakkayapprath 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- "Nediyenga PHC 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.**

### **Agenda Item No.13.12: SWAP 3: Valancherry- 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 14. 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 14.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:**

<b>SUMMARY OF THE PROPOSED PROJECT</b>								
<b>Project Name</b>	<b>Well Details</b>	<b>FHTC</b>	<b>Pumping Main to Overhead Tank</b>	<b>Overhead Tank Capacity</b>	<b>Distribution line</b>	<b>Feasibility from Ground water department</b>	<b>Project Cost in (crores)</b>	<b>Unit Cost</b>
Muchikkal	5m diameter, 8m depth	210	50mm 1120m	10,000 litres	75mm, 1200m	Obtained	1.05	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
<b>Total</b>		<b>970 Nos</b>	<b>4816 m</b>		<b>5820 m</b>		<b>4.92</b>	

**Decision Taken:**

- ❖ **The committee accepted to 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.)**

**Agenda Item No.13.13: 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	AMRUT2.0 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

**Decision Taken:**

- ❖ **The committee has accepted to strategies and modalities put forth and have recommended for the conditional approval of the following Micro water supply schemes in Wadakkanchery Municipality;**
  - *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 Project Cost of Rs. 6.600 Cr. (CAPEX - Rs. 6.000 Cr & O&M 0.600 Cr).*

## Agenda Item No.13.14: 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
<p><b>Setting-up Water Resource Recovery Cell (WRRC) at State level</b></p> <ul style="list-style-type: none"> <li>• Cell comprising of government representatives to oversee STPs, expedite their implementation, and operate them                             <ul style="list-style-type: none"> <li>○ Urban Development</li> <li>○ Irrigation/ Agriculture</li> <li>○ Power</li> <li>○ Public Health</li> <li>○ Industrial</li> <li>○ State Pollution Control Board</li> <li>○ ULBs officers</li> </ul> </li> <li>• <b>Creation of Escrow Account</b></li> </ul>	<ul style="list-style-type: none"> <li>• Operational efficiency improvement measures</li> <li>• Technology upgradation</li> <li>• Capital expenditures for reuse infrastructure</li> <li>• Setting up of Real Time Data Management System like OCEMS, SCADA</li> <li>• Capacity Building of Staff</li> <li>• Setting up of new &amp; renewable energy for running STPs</li> <li>• Management of biosolids</li> </ul>

### 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	Phase-1 Score
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
<b>Total</b>			<b>129.55</b>	<b>AMRUT-7 &amp; Non-AMRUT-12</b>	

The 2nd phase of field verification will be 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 will continue up to 09.01.2025. 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 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.

**Decision Taken:**

- ❖ **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 1<sup>st</sup> phase of field verification and take necessary actions to improve the scores before the 2<sup>nd</sup> phase of field verification commences.**

**Agenda Item No.13.15: 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.

**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.

23 works were started on-site. **8 works under Community based Water Testing, Institutional Water Testing (Kochi, 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 ₹ 50.59 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 23 works.

**Phase 4- MITRA:**

Under phase 4, 159 projects submitted by the 62 ULBs worth ₹ 15.05927 Cr. have been submitted to MoHUA for approval on 23.12.2024. The sanction of the same is pending.

**Decision Taken:**

- ❖ **The committee took note of the action taken and 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.**

**Agenda Item No. 13.16: 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 funding	More than 85% water supply coverage (cities with more than 5 lakh population)	Submitted the details of Thiruvananthapuram	An amount of Rs.10 Cr was 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 byelaws on <ul style="list-style-type: none"> <li>❖ <b>Dual piping.</b></li> <li>❖ <b>Electric Vehicle Charging Points.</b></li> <li>❖ <b>Wi-Fi Infrastructure.</b></li> </ul>	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"> <li>● <b>Payment of Property tax.</b></li> <li>● <b>Payment of User charges.</b></li> <li>● <b>Registration of Birth, Death and Marriage.</b></li> <li>● <b>Issuance of trade licenses.</b></li> <li>● <b>Public grievance redressal.</b></li> <li>● <b>Application &amp; payment for Advertisement.</b></li> <li>● <b>Building Permissions.</b></li> <li>● <b>Mutations.</b></li> <li>● <b>Pension.</b></li> <li>● <b>Application system for new water connection.</b></li> <li>● <b>Application system for new sewer connection.</b></li> <li>● <b>Other, if any.</b></li> </ul>	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"> <li>· ULB population between 1 lakh to below 10 lakh- 2 ponds.</li> <li>· ULBs with population less than 1 lakh- 1</li> </ul>	<ul style="list-style-type: none"> <li>· Water bodies having an area above 1 acre.</li> <li>· Projects undertaken under AMRUT 2.0 or through any other source after 1st Oct, 2021</li> <li>· Water body rejuvenated should not have been repaired/ rejuvenated in the last ten years before 1 Oct, 2021.</li> </ul>	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 completion certificate.
GIS BASED MAPPING OF PROPERTIES FOR COLLECTION OF PROPERTY TAX	<ul style="list-style-type: none"> <li>● <b>GIS based mapping of properties including residential and others in the city.</b></li> <li>● <b>Ground truthing of GIS map and property tax bill raised.</b></li> </ul>	Up to five cities per State will be incentivized.	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.

#### Decision Taken

- ❖ **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**

**Agenda Item No. 13.17: 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 1 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 danglers in shops and malls. Trained NSS volunteers are disseminating messages and information on water conservation and sanitation to the public.

**Decision taken**

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

**Agenda Item No. 13.18: 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 MANAGEMENT	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 MANAGEMENT	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 Continues 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 MANAGEMENT	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 Private Limited	Fully Automatic Chlorination Plant with IIoT Controls	URBAN USED WATER MANAGEMENT	Project address the need for efficient water 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 MANAGEMENT	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.

### **Decision Taken**

- ❖ **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.

**Agenda Item No.13.19: 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.

**Eligible List of Activities**

**I. Water Supply and Sanitation**

- Water supply network (new/augmentation/rehabilitation)
- Construction and improvement of drains/storm water drains
- Sewerage network (new/augmentation/rehabilitation)
- Sewage Treatment Plants – secondary/tertiary treatment
- Comprehensive projects of pay and use toilets, operated, and managed by the private sector
- Solid Waste Processing Plants (new/augmentation)

**II. Urban Connectivity**

- Roads (excluding maintenance works), within area development projects with provision for all utilities to be taken through an underground conduit
- Over bridges, grade separators, underpasses

**III. Urban Area Development**

- Electric/gas crematorium
- Comprehensive Area Development Projects
  - Local Area Plan for de-congestion
  - Heritage conservation
  - Transit Oriented Development for creating dense, mixed-use developments near public transportation
  - Town Planning Schemes for greenfield development
  - Parks with open Gym not involving major construction work.
  - Comprehensive development of land reclaimed from legacy dumpsite remediation

**IV. Health & Educational Institutions**

**Eligible Loan Amount and State Share**

The eligible loan amount for financing under UIDF will be based on the size of the project. The percentage of loan amount under UIDF will be as below:

Size of the Project	Loan Amount	State/ULB share
5-10 crores	90%	10%
>10-50 crores	85%	15%
>50-100 crores	75%	25%

### Loan Terms

- Interest Rate = Bank Rate (as on date of deposit of funds by banks) – 1.5%
- Principal repayment in 5 annual installments within 7 years from the date of draw, including a moratorium period of 2 years.
- Quarterly interest repayment even during the moratorium period.
- Mobilization advance (for new projects only) capped at 20% of UIDF loan.

### 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.

Description	Amount (Cr.)	Loan Amount (Cr.)	Remarks
Allocated Loan Amount	388.05	388.05	
Proposals submitted-17 Nos.	399.58		
Proposals rejected- 8 Nos	156.36		
<b>Proposals under consideration by NHB</b>	<b>243.22</b>	<b>187.971</b>	<b>9 Proposals (Amount revised for two projects- original amount-Rs. 233.70 Cr.)</b>
Sanctioned Projects- 4/9 Nos (TVM-2, TSR-1, & Kondotty-1)	172.5	127.25	<b>AS issued for the three proposals</b> <ul style="list-style-type: none"><li>● TVM- TS issued</li><li>● TSR- No progress. Got info that ULB wants to cancel this as this proposal is no longer necessary if the CNG plant proposed is approved under T2 of UIDF. No official communication was received.</li><li>● Kondotty- AS need to be issued</li></ul>
Projects under review by NHB- 5/9 Nos	70.72	60.72	<ul style="list-style-type: none"><li>● Thrissur- 2 Nos</li><li>● Kalamasseri- Project cost revised</li><li>● Kochi-Project cost revised</li><li>● Palakkad</li></ul>
Revised proposals for State Share – 85 AMRUT projects.	547.238 Cr.		Submitted to Government on 01.01.2025.

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.

The status of the approved projects is as follows;

SLNO	ULB	PROJECT	TYPE	COST (in Cr)	SANCTIONED LOAN AMOUNT (in Cr)	STATE /ULB SHARE (in Cr)	CURRENT STATUS
<b>SANCTIONED PROJECTS</b>							
1	TVM	Sewerage Management Proposal for Thiruvananthapuram Corporation Area - Cluster 1 - Zone 1 (Ambalathara part, Attukal part) & zone 5 (Ambalathara part)	Liquid Waste Management	91	66.63	24.37	Technical Sanction (TS) has been issued and funds are awaited to proceed with the Notice Inviting Tender (NIT) by KWA
2	TVM	Sewerage Management Proposal for Thiruvananthapuram Corporation Area in Cluster-1, Zone 3&4-Attukal part & Kalady part	Liquid Waste Management	66.5	47.62	18.88	Technical Sanction (TS) has been issued and funds are awaited to proceed with the Notice Inviting Tender (NIT) by KWA
3	Thrissur	Solid Waste Disposal Plan - Construction of MCFs and Installation of Fully Automatic Organic Waste Composting Machine of 5000 Kg Capacity at 3 locations using OWC Machines and MCF at 3 locations	Solid Waste Management	5	4.5	0.5	AS has been issued, No progress. Got info that ULB wants to cancel this as this proposal is no longer necessary if the CNG plant proposed is approved under T2 of UIDF
4	Kondotty	Kondotty Town Beautification	Area Development	10	8.5	1.5	AS need to be issued
				<b>172.5</b>	<b>127.25</b>	<b>45.25</b>	
<b>UNDER REVIEW BY NHB</b>							
5	Thrissur	Decentralized Liquid Waste Treatment System - Small STPs and Biodigesters (7 Biodigesters and 8 Small STPs) using MBBR and Bio Digester technology	Liquid Waste Management	7	6.3	0.7	Revised DPR submitted to the NHB.
6	Thrissur	Drain - Restoration of Natural Rainwater resources by protecting natural drains - Side wall construction at Kotteppadam - Division 17	Storm Water Drainage	5.17	4.653	0.517	Revised DPR submitted to the NHB
7	Kalamassery	Construction of Integrated Solid Waste Management building at North Kalamassery, Ward 6 - legacy waste at basement floor and bio waste at the ground floor.	Solid Waste Management	23.86	20.281	3.579	Revised DPR submitted to NHB. Request for revision of loan amount from 12.75 Cr. to ₹19.41 crore sent to Govt. (Original estimate-Rs. 15 Cr.)

8	Kochi	Thevara market rejuvenation - Market reconstruction and revamping from existing dilapidated condition	Area Development	22.69	19.287	3.40	Revised DPR submitted to the NHB. Correction in project cost is required from 22 Cr to 22.69 Cr. Request for revision of loan amount from ₹18.70 Cr. to ₹19.29 crore sent to Govt.
9	Palakkad	Electric Crematorium/ Gas Crematorium at Mattumantha	Crematorium	12	10.2	1.8	Revised DPR submitted to the NHB.
		<b>TOTAL</b>		<b>70.72</b>	<b>60.721</b>	<b>9.9995</b>	
		<b>GRAND TOTAL</b>		<b>243.22</b>	<b>187.971</b>	<b>55.25</b>	

#### **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-24-25. 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.

#### **Major decisions taken in the meeting held by the Chief Secretary on 10.10.2024**

- The National Housing Bank officials shall provide detailed reasons for the rejection of projects submitted under Tranche 1 of the UIDF Scheme for the FY 2023-2024 to enable better calibration of the State's proposals. – ***NHB vide e-mail dated 20.11.2024 provided justification for rejecting the eight proposals from Kerala, citing that the proposals involve ineligible activities.***
- Possibilities of availing loan under the UIDF scheme for projects of KRFB, PWD, KWA, etc. shall be explored. The Finance Department shall take necessary action in this regard.
- A dedicated team shall be established at the Principal Director level to monitor the implementation of UIDF projects to ensure better utilization of the funds. It may be examined whether an existing unit, like the RKI PMU which has the required expertise, can be given the responsibility, instead of creating a new unit.
- Decided to constitute an apex committee, designating SLTC and SHPSC of AMRUT 2.0, for the scrutiny, prioritization, periodical review, and administrative approval of UIDF projects - ***Constituted***
- Whether any project proposals submitted under Navakerala Sadas are fit for availing assistance under UIDF is to be examined.

#### **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.

**Decision Taken:**

- ❖ The committee took note of the action taken and the current status of the UIDF scheme.
- ❖ 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.

**Agenda Item No.13.20: Thiruvananthapuram Corporation – Construction of Effluent Treatment Plant at the KSRTC Depot, Thampanoor:**

As per 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
<p><b>Name of Work:</b> Construction of Effluent Treatment Plant at the KSRTC Depot at Thampanoor</p> <ul style="list-style-type: none"> <li>• <b>Sector:</b> SEW</li> <li>• <b>Capex Cost:</b> ₹0.416 Cr.</li> <li>• <b>O&amp;M Cost:</b> to be borne by KSRTC</li> <li>• <b>Council Approval:</b> Prior</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• As per the proposal submitted by the Chairman, KSRTC, the estimated cost</li> </ul>	<p>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'.</p> <ul style="list-style-type: none"> <li>○ AS Amount (Capex): ₹2.37 Cr.</li> </ul>

approval given by the Hon'ble Mayor.	<p>of the project is ₹4163899.25.</p> <ul style="list-style-type: none"> <li>• The project is planned to be implemented through KSRTC in the deposit mode.</li> <li>• The ULB proposes that the ULB Share of ₹1387966.42 is to be borne by the KSRTC.</li> <li>• The ULB proposes to deposit the combined Central &amp; State share of ₹2775932.84 to the KSRTC.</li> </ul>	<ul style="list-style-type: none"> <li>○ TS Amount: ₹1.833 Cr.</li> <li>○ <b>Savings Available:</b> ₹0.537 Cr.</li> </ul>
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**Deliberations:**

The General Manager, KSRTC, informed the committee that the proposals put forward by the ULB are acceptable for the KSRTC.

**Decision Taken:**

- ❖ **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.*

*Shamulayoseph*  
18/1/25

**The Principal Secretary, LSGD  
Chairperson, SLTC**

*[Signature]*  
**Mission Director  
AMRUT**

**32<sup>nd</sup> SLTC meeting of AMRUT 1.0 and 13<sup>th</sup> SLTC of AMRUT 2.0 held on  
07.01.2025 at 03:00 PM in the South Conference Hall of Secretariat chaired  
by Principal Secretary, LSGD**

**List of Participants**

1. Smt. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department
2. Ashraf Ambalathingal, Chairman, Valanchery Municipality
3. Adv. E Krishnadas, Vice Chairman, Palakkad Municipality
4. Sri. Mohiudheen, Standing Committee Chairman Kondotty Municipality
5. Sri. Suraj Shaji IAS, Mission Director, AMRUT
6. Sri. Binu Francis IAS, Joint Managing Director, Kerala Water Authority, Trivandrum
7. Sri. Harshil R Meena IAS, DDC Kozhikode
8. Sri. Sameer Kishan IAS, DDC (i/c), Alappuzha
9. Sri. Akhil V Menon IAS, DDC Thrissur
10. Sri. Misal Sagar Bharat IAS, DDC Wayanad
11. Sri. Sandeep.K.G, Chief Engineer, LSGD
12. Smt. Sheeba Rani.Y, Chief Town Planner (Planning), Thiruvananthapuram
13. Sri. Manoj Kumar.P.N, Joint Secretary, Finance Department
14. Sri.Ramanath.G, Under Secretary, Power Department
15. Smt. Bindu. T.B, Technical Member, Kerala Water Authority, Trivandrum
16. Smt. Sheeba Abraham, Executive Engineer, O/o. the Chief Engineer, Irrigation & Administration
17. Sri. Praveen.K.S, Deputy Chief Engineer, Kerala Water Authority, Trivandrum
18. Sri. Sooraj, Superintending Engineer, PH Circle, KWA, Thiruvananthapuram
19. Sri. Surendran, Superintending Engineer, KWA, Palakkad
20. Sri. Pradeep P S, Superintending Engineer, KWA, Kochi
21. Sri. Hari Krishnan M, Superintending Engineer, KWA, Alappuzha
22. Smt. Beena A, Superintending Engineer, Kollam Corporation
23. Smt. Sreelatha P R, Superintending Engineer, Thrissur Corporation
24. Sri. Sajish Radhakrishnan, Superintending Engineer, Thiruvananthapuram Corporation
25. Sri. D Saju, Secretary, Kollam Corporation
26. Sri. Shibu V P, Secretary, Thrissur Corporation
27. Sri. Sandeep, Secretary, Karunagappally Municipality
28. Sri. Shibu P S, Secretary, Kochi Municipal Corporation
29. Sri. Abhilashkumar H, Secretary, Guruvayur Municipality
30. Sri. Akash M.S, Secretary, Chavakkad Municipality
31. Sri. Viswanathan. K.B, Secretary, Kunnankulam Municipality
32. Smt. Vrija N K, Secretary, Kodungallur Municipality
33. Sri. Sajiroon Sulaiman, Secretary, Ponnani Municipality
34. Smt. Seena H, Secretary, Valanchery Municipality



35. Sri. Santhosh Kumar, Secretary, Kottakkal Municipality
36. Sri. R Kumar, Secretary, Nedumangad Municipality
37. Sri. Ariff Muhammed Khan, Secretary, Mavelikkara Municipality
38. Sri. Ansal Isaac, Secretary, Palakkad Municipality
39. Sri. Girish.M.K, Secretary, Payyannur Municipality
40. Sri. Manoj.N, Secretary, Kanhangad Municipality
41. Sri. Abdul Jaleel, Secretary, Kasargod Municipality
42. Sri. Subhash.P.K, Secretary, Tripunithura Municipality
43. Sri. Nasim.E, Secretary, Maradu Municipality
44. Sri. Raju, Secretary, Adoor Municipality
45. Sri. Suresh A, Deputy Secretary (Secretary I/C) Alappuzha Municipality
46. Sri. Rajagopalan P Nair, Assistant Secretary, Pandalam Municipality
47. Sri.Unnikrishnan PK, Junior Superintendent, O/o Sub Collector, Thrissur
48. Sri. Arjith Sathya, RI Kattappana Municipality
49. Sri. Biju, Municipal Engineer, Karunagappally Municipality
50. Sri. Subash.M.K, Municipal Engineer, Chalakudy Municipality
51. Smt. Karthika, Executive Engineer, PH Division, KWA, Thiruvalla
52. Sri. Manoj.M, Executive Engineer, Head works Division, KWA, Aruvikkara,  
Thiruvananthapuram
53. Sri. Valson.P.P, Executive Engineer, Kannur Corporation
54. Smt. Sheeja.S.S, Executive Engineer, Thrissur Corporation
55. Sri. Shibu L Nalppatt, Executive Engineer, Alappuzha Municipality