

**13<sup>th</sup> STATE LEVEL TECHNICAL COMMITTEE (SLTC)**  
**ATAL MISSION FOR REJUVENATION & URBAN TRANSFORMATION**  
**(AMRUT 2.0)**

**AGENDA**



**Date: 07.01.2025; 02:30 PM**

**VENUE: SOUTH CONFERENCE HALL, SECRETARIAT**



**LOCAL SELF GOVERNMENT DEPARTMENT**

**GOVERNMENT OF KERALA**

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**Agenda Item No.13.1: APPROVAL OF MINUTES OF THE 12<sup>th</sup> MEETING OF SLTC:**

The minutes of the 12<sup>th</sup> SLTC meeting of AMRUT 2.0 held on 11.07.2024 is enclosed as **Annexure –1**.

**Decision to be Taken:**

**The Committee may approve 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:**

**12<sup>th</sup> SLTC Decision:**

*SWAP-3 - Valanchery Micro Water Supply Scheme:*

*The Mission Director has conveyed that on satisfactory provision of various technical details asked for in a comprehensive and precise manner with Revised DPR and actual costing details/ cost estimates of proposed activities, the aforesaid project may be considered*

**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.

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

*12<sup>th</sup> SLTC Decision:*

❖ *The committee directed the Joint Managing Director, KWA to submit an O & M strategy workable for both KWA and ULBs, before the upcoming SHPSC.*

**Action Taken:**

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

**Agenda Item No.11.3: PROGRESS OF AMRUT 2.0:**

**12<sup>th</sup> SLTC Decision:**

*Micro Water supply scheme:*

❖ *The already Administrative (AS) sanctioned projects viz. 4 MWS PROJECT of Panoor ULB, “NEDINGA SWARNA DHARA” of Sreekandapuram ULB, “PEROLE” of Neeleswaram ULB has been requested to submit their DPR in PRICE software at the earliest by the concerned ULB’s for further technical sanctions and implementation of the proposed projects. As far as the remaining 14 number pending MWSS projects, the project progress needs to be elaborated by the concerned ULB’s (viz Sreekandapuram 3 projects). Kanhangad (1 project), Panoor (1No) Neeleswaram (6 Projects) Wadakkanchery (3 Projects). The Mission Director has conveyed that the unviable projects should be canceled by the ULB with proper written intimation to this office.*

❖ *In accordance with the above, the Nileswaram ULB vide letter No: 10676/21 has canceled The Kizhakkera and Kadinhikuzhi project, Idichudi Project, Neelayi project and Palayi projects through council resolution and has intimated this office about the cancellation of above four projects.*

*Kasargod Development Package:*

❖ *KWA informed that a comprehensive scheme for Kasargod district including a mini dam worth Rs. 600 Cr. has been submitted to the Government for JICA funding.*

❖ *Due to the limitation of the AMRUT fund, the Committee decided to recommend the SHPSC to drop the Kasargod Package from AMRUT.*

*Appointment of Administrative Officer & Accounts Officer:*

❖ *The above-said post is canceled due to insufficient administrative and office expenses funds.*

Setting up of PMU for KWA:

- ❖ KWA informed that a proposal for 416 KWA volunteers for the whole Kerala AMRUT 2.0 works with a monthly financial commitment of Rs. 98 lakhs is ready for submission.
- ❖ Due to the limitations of the Administrative & Other Expenses (A&OE) fund, the Committee has recommended revising the proposal to reflect the distribution of work based on the respective divisions and circles.

**9<sup>th</sup> SHPSC Decision: (9<sup>th</sup> SHPSC Minutes – Annexure -2)**

Kasargod Development Package:

- ❖ KWA informed that a comprehensive scheme for Kasargod district including Neeleswaram and Kanjangad ULBs with a mini dam worth ₹ 600 Cr. has been submitted to the Government for JICA funding. As such, due to the limitation of the AMRUT fund, the Committee decided to drop the proposal for Kasargod water supply project from AMRUT.

Appointment of Administrative Officer & Accounts Officer-

- ❖ The Committee decided not to fill the positions of Administrative Officer & Accounts officer due to the additional financial burden.

Setting up of PMU for KWA:

- ❖ KWA informed that a revised proposal for KWA volunteers for AMRUT 2.0 works has been resubmitted.
- ❖ The Committee instructed the Mission Director AMRUT to examine the same and finalize.

**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

**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:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The committee noted that the reform incentive received from MoHUA must be utilized within 6 months, as of now, no viable proposals have been received.
- ❖ KWA informed that they have prepared proposals for NRW reduction in certain areas of the city. The Committee observed that the approved reforms incentive funds are specifically allocated for the Thiruvananthapuram Corporation.
- ❖ The committee instructed the KWA, the Secretary of Thiruvananthapuram Corporation, and AMRUT to prepare a viable proposal jointly.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The Committee suggested a separate meeting by the Principal Secretary LSGD with the Principal Secretary, Water Resources department, MD KWA, MD AMRUT and Secretary Thiruvananthapuram Corporation to finalize a viable proposal.

**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 (**Annexure- 3**)

**Agenda Item No. 11.27: AMRUT REFORM INCENTIVES - DISTRIBUTION TO ULBs:**

**12<sup>th</sup> SLTC Decision:**

The Mission Director reported that the Utilization Certificate has been timely submitted to the MoHUA. The committee took note of the action taken.

**9<sup>th</sup> SHPSC Decision:**

As decided in the 8th SHPSC, the Committee directed MD, KWA to submit the proposal for an amount of Rs.50 Lakhs for procuring machinery and software as part of NRW reduction at the earliest

**Action Taken:** Detailed proposal is awaited from KWA

**Agenda Item No.11.30: AMRUT 2.0 - TAKING UP OF ALTERNATIVE PROJECTS UNDER SWAP 1&2 FOR THE PROJECTS SHIFTED TO AMRUT 1.0:**

**12<sup>th</sup> SLTC Decision:**

- ❖ *The Committee recommended to the SHPSC to cancel the decision taken vide Decision No. 8.16 in the 8th SHPSC to substitute the WS projects.*

**9<sup>th</sup> SHPSC Decision:**

- ❖ *The Committee authorized the Mission Director to submit the cancellation request of 41 AMRUT 2.0 projects in SWAP 1 worth ₹ 193.569 crore to the APEX Committee of MoHUA*
- ❖ *The Committee decided to cancel the list of projects to substitute with the canceled projects approved by the 8th SHPSC.*

**Action Taken:**

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

**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:**

**12<sup>th</sup> SLTC Decision:**

*The Mission Director detailed the status of UIDF and informed that the following three projects were sanctioned by NHB:*

- ❖ *Sewerage Management Proposal for Thiruvananthapuram Corporation Area in Cluster-1, Zone 1&2- Attukal (Part), Kalady (Part) & Ambalathara (Part) for a loan amount of Rs.66.63 Cr. (Project Outlay – Rs.91.0 Cr)*
- ❖ *Sewerage Management Proposal for Thiruvananthapuram Corporation Area in Cluster-1, Zone 3&4- Attukal part & Kalady part for a loan amount of Rs.47.62 Cr (Project outlay – Rs.66.50 Cr)*
- ❖ *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 for a loan amount of Rs.4.50 Cr. (Project Outlay is Rs.5 Cr)*

*The committee took note of the status and directed the Mission Director to check the possibility of including the UIDF loan for the State share of ongoing AMRUT 2.0 projects amounting to Rs.483.85 Cr for the FY 2023-2024 as a one-time dispensation.*

**Action Taken:**

Detailed Agenda on the UIDF scheme has been included in this meeting.

**Agenda Item No.8.15: PROJECT MANAGEMENT SOFTWARE FOR AMRUT PROJECT MONITORING:**

**12<sup>th</sup> SHPSC Decision:**

- ❖ *Mission Director AMRUT informed that the development of the PMS is almost completed. Training on the same is planned for this week. Data updation is expected to be started by the 22nd of this month.*
- ❖ *The committee took note of the action taken.*

**Action Taken:**

**PMS development and data updation have been completed.**

**General Decisions of 11<sup>th</sup> SLTC:**

- ❖ *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.*

**12<sup>th</sup> SLTC Decision:**

- ❖ *Reconciliation documents submitted by KWA is under scrutiny by the ULB.*

**Action Taken:**

Palakkad ULB may present the status before the Committee.

**Agenda Item No.12.3: PROGRESS OF AMRUT 2.0:**

**12<sup>th</sup> SLTC Decision:**

- ❖ *The Committee instructed the Mission Director, AMRUT to incorporate an overview of AMRUT 2.0, including the total outlay, in the progress. The progress of AMRUT 2.0 was reviewed in detail by the Committee. KWA and ULBs were directed to expedite their efforts and ensure timely expenditure. KWA committed to issuing all the remaining TS by the end of August 2024.*
- ❖ *All the ULB Secretaries were instructed to ensure to make corresponding ULB share against expenditure timely.*

**9<sup>th</sup> SHPSC Decision:**

- ❖ *The progress of AMRUT 2.0 was reviewed in detail by the Committee. KWA and ULBs were directed to expedite their efforts and ensure timely expenditure. KWA committed to issuing all the remaining TS by the end of August 2024. ULBs*

were directed to issue all pending Technical Sanctions (TS) and expedite the KWA committed to issuing all the remaining TS by the end of August 2024. progress. It was emphasized that any further delays in the commencement of AS-issued projects would lead to the cancellation of the projects from the AMRUT scheme.

- ❖ All the ULB Secretaries were instructed to ensure to make corresponding ULB share against expenditure timely.
- ❖ The finance department was instructed to take urgent steps to issue relevant Government Orders 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 considering the importance of a centrally sponsored scheme for the timely completion. The Chair instructed the Mission Director AMRUT and the Joint Managing Director KWA to follow up with the PWD and Finance departments.
- ❖ The Principal Secretary of LSGD has informed that on July 22, 2024, a meeting was held with the Secretary of MoHUA and MoRTH at Delhi to address issues regarding road-cutting NOCs from the Ministry of Road Transport and Highways (MoRTH) and the NHAI. The Chair has instructed the Mission Director of AMRUT to prepare a detailed note for submission to the MoRTH.
- ❖ KWA has agreed to take over and implement the water supply projects under the AMRUT scheme for Pattambi Municipality.
- ❖ The Secretaries of Kottarakkara and Guruvayur Municipalities were instructed to resolve the issues in the land acquisition at the earliest. It was emphasized that any further delays would lead to the cancellation of the projects from the AMRUT scheme.
- ❖ The Committee noted the Capacity Building initiative and accorded sanction to the Mission Director to conduct the Capacity Building Programme to the CMMU and SMMU Officials through CMD, Thiruvananthapuram.

**Action Taken:**

Government Orders are still pending permitting the indemnity bond instead of a Bank Guarantee, where the KWA would undertake road restoration directly and also the GO to permit road cutting during the Defect Liability Period

**Land Issues:**

- 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 Dewaswom provided the permissive sanction based on the condition that Guruvayur Dewaswom should get water from KWA for free of cost.

**Capacity Building Programme:**

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.

**Agenda Item No.12.4: AMRUT 2.0 - WATER SUPPLY PROJECTS:**

**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:**

**12th SLTC Decision:**

- ❖ The committee recommended to the SHPSC the issuance of Administrative Sanction for AMRUT 2.0 - WSS to Erattupetta Municipality- Zone1; Phase- 1 for an amount of Rs. 20.60 Cr. (CAPEX- Rs. 20 Cr. & O&M- Rs. 0.60 Cr.). The excess fund can be met from the canceled water supply projects of Iritty and Mattannur (Rs. 24.73 Cr.).
- ❖ The TS shall be issued by the concerned only after meeting the following conditions:
  - The necessary clearances from the relevant authorities are obtained.
  - The project includes a 5-year Operation & Maintenance plan and only admissible components as per AMRUT guidelines.
- ❖ The Central Assistance for urban development projects should not cover the costs of Operation & Maintenance, Supervision charges, or the Value of land/ structures required for the project development. These costs should be borne by the State/ ULB /KWA fund if they are unavoidable.
- ❖ Kerala Water Authority and ULBs shall take necessary action to fund O&M through an appropriate cost recovery mechanism and expedite the Technical Sanction and tender procedures of the work before the end of August 2024.

<p>❖ The Committee recommended to request the MoHUA for the cancellation of the original SWAP 2 proposal for the Micro Water Supply Scheme with bore wells as sources worth Rs. 9.32 Cr. (CAPEX-Rs.8.88 Cr. &amp; O&amp;M-Rs.0.44 Cr) and replacement with the project- AMRUT 2.0 - WSS to Erattupetta Municipality- Zone1; Phase- 1 for an amount of Rs. 20.80 Cr. (CAPEX- Rs. 20.20 Cr. &amp; O&amp;M- Rs. 0.60 Cr.) (Including the AS for the topographic survey and soil investigation works for Erattupetta for an amount of Rs. 19.183 lakhs issued vide G.O.(Rt)No.1901/2023/LSGD dated 26.09.2023). The excess fund can be met from the canceled water supply projects of Iritty and Mattannur. (Rs. 24.73 Cr.)</p>
<p><b>9<sup>th</sup> SHPSC Decision:</b></p> <p>❖ The committee accorded Administrative Sanction for AMRUT 2.0 - WSS to Erattupetta Municipality- Zone1; Phase- 1 for an amount of ₹ 20.60 Cr. (CAPEX- ₹ 20 Cr. &amp; O&amp;M- ₹ 0.60 Cr.).</p> <p>❖ The TS shall be issued by the concerned only after meeting the following conditions:</p> <ul style="list-style-type: none"> <li>● The necessary clearances from the relevant authorities are obtained.</li> <li>● The project includes a 5-year Operation &amp; Maintenance plan and only admissible components as per AMRUT guidelines.</li> </ul> <p>❖ The Central Assistance for urban development projects should not cover the costs of Operation &amp; Maintenance, Supervision charges, or the Value of land/ structures required for the project development. These costs should be borne by the State/ ULB /KWA fund if they are unavoidable.</p> <p>❖ Kerala Water Authority and ULBs shall take necessary action to fund O&amp;M through an appropriate cost recovery mechanism and expedite the Technical Sanction and tender procedures of the work before the end of September 2024.</p> <p>❖ The Committee authorized the Mission Director AMRUT to request the MoHUA for the cancellation of the original SWAP 2 proposal for the Micro Water Supply Scheme with bore wells as sources worth ₹ 9.32 Cr. (CAPEX-₹ 8.88 Cr. &amp; O&amp;M- ₹ 0.44 Cr) and replacement with the project- AMRUT 2.0 - WSS to Erattupetta Municipality- Zone1; Phase- 1 for an amount of ₹ 20.80 Cr. (CAPEX- ₹ 20.20 Cr. &amp; O&amp;M- ₹ 0.60 Cr.) (Including the AS for the topographic survey and soil investigation works for Erattupetta for an amount of ₹ 19.183 lakhs issued vide G.O.(Rt)No.1901/2023/LSGD dated 26.09.2023).</p> <p>❖ The excess fund can be met from the canceled water supply projects of Iritty and Mattannur. (₹ 24.73 Cr.)</p>
<p><b>Action Taken:</b></p> <p>Government Order has been issued on 23.10.2024. Technical Sanction is to be issued by the KWA.</p>
<p><b>Agenda Item No.12.4.2: CANCELLATION &amp; REPLACEMENT OF WATER SUPPLY PROJECTS UNDER SWAP 1&amp;2 OF THE THRISSUR CORPORATION:</b></p>
<p><b>12<sup>th</sup> SLTC Decision:</b></p> <p>❖ The committee decided to recommend the cancellation of two water supply projects of Thrissur Corporation:</p> <ul style="list-style-type: none"> <li>● AMRUT 2.0-Watersupply schemes from Kadavaram Pond - Construction of pump house- providing treatment facilities by pressure filters, laying distribution network, and providing 1000 FHTC for Thrissur Corporation- for an amount of Rs. 5.50 Cr. (CAPEX- Rs. 5 Cr. &amp; O&amp;M- Rs. 0.50 Cr.).</li> <li>● AMRUT 2.0 - Renovation of 14.5 MLD WTP augmented to 20 MLD at Peechi and providing 3550 FHTCs in Thrissur Corporation - for an amount of Rs. 9.35 Cr. (CAPEX- Rs. 8.5 Cr. &amp; O&amp;M- Rs. 0.85 Cr.).</li> </ul> <p>❖ The committee decided to accord in principle sanction for the replacement with one water supply project of Thrissur Corporation subject to the feasibility approval from KWA HQ:</p> <ul style="list-style-type: none"> <li>● AMRUT 2.0 - THRISSUR WATER SUPPLY SCHEME-Design, Construction and Commissioning of 20 MLD Water Treatment Plant by demolishing the existing 14.50MLD Water Treatment Plant at Peechi- for an amount of Rs. 16.50 Cr. (CAPEX- Rs. 14.5401 Cr. &amp; O&amp;M- Rs. 1.9598 Cr.).</li> </ul> <p>❖ The Committee has decided to defer the approval of the project titled - “Water Supply Network Improvement to Thrissur Corporation-Providing Control Valves, Scour Valves, and Air Valves in the Distribution Network and conducting a Hydraulic Study of the Water Supply System” from the Thrissur ULB, citing current constraints in funding.</p> <p>❖ The committee has also decided to recommend the SHPSC to request the APEX Committee for cancellation and replacement of projects subject to the feasibility approval of MD KWA.</p> <ul style="list-style-type: none"> <li>● KWA was instructed to submit the justification for demolition of the existing WTP and the necessity of a new WTP before the upcoming SHPSC meeting.</li> </ul>
<p><b>9<sup>th</sup> SHPSC Decision:</b></p> <p>❖ The committee decided to cancel the following two water supply projects of Thrissur Corporation:</p> <ul style="list-style-type: none"> <li>● AMRUT 2.0-Watersupply schemes from Kadavaram Pond - Construction of pump house- providing treatment facilities by pressure filters, laying distribution network, and providing 1000 FHTC for Thrissur Corporation- for an amount of ₹ 5.50 Cr. (CAPEX- ₹ 5 Cr. &amp; O&amp;M- ₹ 0.50 Cr.).</li> </ul>

- AMRUT 2.0 - Renovation of 14.5 MLD WTP augmented to 20 MLD at Peechi and providing 3550 FHTCs in Thrissur Corporation - for an amount of ₹ 9.35 Cr. (CAPEX- ₹ 8.5 Cr. & O&M- ₹ 0.85 Cr.).
- ❖ The Joint Managing Director, KWA stated that the existing plant, commissioned in 1962, is very old and requires demolition. A new 20 MLD Water Treatment Plant (WTP) with updated technology is needed to replace it.
- ❖ Based on the recommendation of the KWA, the committee accorded Administrative Sanction for the replacement water supply project of the Thrissur Corporation subject to the approval of the APEX Committee:
  - AMRUT 2.0 - THRISSUR WATER SUPPLY SCHEME-Design, Construction and Commissioning of 20 MLD Water Treatment Plant by demolishing the existing 14.50MLD Water Treatment Plant at Peechi- for an amount of ₹ 16.50 Cr. (CAPEX- ₹ 14.5401 Cr. & O&M- ₹ 1.9598 Cr.).
- ❖ The committee has authorized the Mission Director AMRUT to submit the cancellation & replacement request to the APEX Committee of MoHUA.

**Action Taken:**

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.**

**Agenda Item No.12.4.3: AMRUT 2.0- -WATER SUPPLY SECTOR – REVISION OF ADMINISTRATIVE SANCTION FOR 6 PROJECTS:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The Committee accorded in principle sanction for the revision of the Administrative Sanction for the following water supply projects and recommended to the SHPSC subject to the recommendation of the Managing Director, KWA, and on condition that 50% of the amount due to tender excess may be met by the ULB, and the balance 50 % to be met by the State.
  - AMRUT-2.0- Augmentation of UWSS to Mannarkkad Municipality - Providing FHTCs and pipeline extension to Rs.8.018 Cr (CAPEX-7.018, OPEX -1), due to 5.06% tender excess.
  - AMRUT2.0-Chittur Thattamangalam Municipality - Construction of 5 LL OHSR, Supply, and erection of motor pump sets, pumping main, distribution main, pipe line extensions and providing FHTCs to Rs.11.19319 Cr, (CAPEX – 10.4119, OPEX -0.7812) due to road restoration charges and 8.11 % tender excess.
  - AMRUT - 2.0- City Water Action Plan -Strengthening of 'Water Supply Scheme- Laying Raw Water & Clear Water Pumping Main, Construction of 10 MLD WTP, Supply and installation of pump sets, transformer) of Pathanamthitta Municipality to Rs.14.9485 Cr,(CAPEX -14.8685 and OPEX -0.08 ), due to 9.20% tender excess.
  - AMRUT 2.0 -WSS to Thripunithura Municipality - Providing FHTC, by augmenting or retrofitting the existing Water Supply Scheme and laying a new rider line to Rs.12.79 Cr (CAPEX – 12.59 AND OPEX – 0.2), due to road restoration charges and tender excess.
  - AMRUTH 2.0 - Koothattukulam Municipality - Renovation of existing Water Supply Scheme UWSS to Koothattukulam to Rs. 6.43377Cr, (CAPEX – 6.348 and OPEX – 0.08537), due to 8.74% tender excess and increase in road restoration charges.
  - "AMRUT 2.0 – SWAP-I-Replacing 400mm PREMO Transmission main using 400mm DI pipe in Mavelikkara Municipality to Rs.0.2375 Cr, (CAPEX -0.22, OPEX –0.0175) due to change in estimate and increase in road restoration.
  - KWA was instructed to submit the recommendations before the upcoming SHPSC meeting.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The Committee accorded sanction for the revision of the Administrative Sanction for the following six water supply projects on condition that 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 details of tender excess approved so far is attached as **Annexure – 23**)
  - AMRUT-2.0- Augmentation of UWSS to Mannarkkad Municipality - Providing FHTCs and pipeline extension to ₹ 8.018 Cr (CAPEX-7.018, OPEX -1), due to 5.06% tender excess.
  - AMRUT2.0-Chittur Thattamangalam Municipality - Construction of 5 LL OHSR, Supply, and erection of motor pump sets, pumping main, distribution main, pipe line extensions and providing FHTCs to ₹ 11.19319 Cr, (CAPEX – 10.4119, OPEX -0.7812) due to road restoration charges and 8.11 % tender excess.
  - AMRUT - 2.0- City Water Action Plan -Strengthening of 'Water Supply Scheme- Laying Raw Water & Clear Water Pumping Main, Construction of 10 MLD WTP, Supply and installation of pump sets, transformer) of Pathanamthitta Municipality to ₹ 14.9485 Cr. (CAPEX -14.8685 and OPEX -0.08), due to 9.20% tender excess.
  - AMRUT 2.0 -WSS to Thripunithura Municipality - Providing FHTC, by augmenting or retrofitting the existing Water Supply Scheme and laying a new rider line to ₹ 12.79 Cr (CAPEX – 12.59 AND OPEX – 0.2), due to road restoration charges and tender excess.
  - "AMRUT 2.0 – SWAP-I-Replacing 400MM PREMO Transmission main using 400MM DI pipe in Mavelikkara



Municipality to ₹ 0.2375 Cr, (CAPEX -0.22, OPEX -0.0175) due to change in estimate and increase in road restoration.

- "AMRUT 2.0 - Koothattukulam Municipality - Renovation of existing Water Supply Scheme UWSS to Koothattukulam" to ₹ 5.8333 Cr, (CAPEX – 5.748 and OPEX – 0.08537), due to 8.74% tender excess subject to the approval of the Municipal Council.
- ❖ The Committee deferred the request of Koothattukulam Municipality for additional funds for PWD road restoration, as a Government Order accepting an indemnity bond in place of a bank guarantee for PWD works is awaited.
- ❖ The Joint Managing Director of KWA agreed that the recommendations for the requirement of revision of AS for the above proposals will be submitted before 6<sup>th</sup> August 2024.

**Action Taken:**

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

**Agenda Item No.12.4.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III-SWAP-3 WATER SUPPLY PROPOSALS:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The Committee decided to prepare a buffer list with the shelf of projects without funds, to seek funding possibilities from the MoHUA, the Urban Infrastructure Development Fund (UIDF), and other sources. The sanction for individual works in the buffer list will be accorded based on fund availability and priority.
- ❖ The Committee approved the list of SWAP-3 proposals for 72 water supply projects for an amount of Rs. 552.478 Cr.
- ❖ The Committee also accorded, in principle, sanction for issuing administrative sanctions for the approved SWAP 3 proposals with available land and feasibility from the MD KWA and Council, excluding the 24x7 proposals and Micro Water Supply Scheme, subject to approval by the APEX Committee of MoHUA.
- ❖ The Committee capped the funding for Alappuzha 24X7 at ₹10 crore, similar to other 24X7 WS projects against the requested fund of ₹22.3 crore. The remaining funds (Rs. 12.318 Cr.) shall be allocated to cover the excess requirements for the 24x7 water supply projects in Guruvayur (Rs. 7.990 Cr.) and Palakkad. Additional funding of Rs. 4.997 Cr. needed for Kochi can be sourced from the savings of SWAP 1 and 2 of Kochi itself.
- ❖ The Committee noted that Thiruvananthapuram & Kollam submitted proposals for excess funds. (Rs.12.573 Cr. & Rs.44.420 respectively). The proposal from Kollam is for constructing a weir at Njankadavu across the Kallada River (initially part of AMRUT 1.0 but shifted to AMRUT 2.0). No source of funding has been identified for these proposals. Hence, these proposals will be part of the shelf of projects in the buffer list.
- ❖ The Committee provisionally approved the list of shelves of projects in the buffer list of 37 projects amounting to Rs. 275.144 Cr. The sanction for individual works will be accorded based on fund availability and priority.
- ❖ The Committee directed the Valanchery Municipality to rework and resubmit the project report with all the technical details and estimates for the Micro Water supply schemes for Valanchery- "Kalyana Urava Check Dam & 6 also the Micro Drinking Water Supply Scheme proposed. Based on the Technical and financial viability of the project, the same can be considered accordingly.
- ❖ The Committee directed the KWA to submit the feasibility reports of all the proposals before the upcoming SHPSC.
- ❖ The Committee decided to cancel the 10th SLTC decision vide 10.4 approving the SWAP 3 WS proposals and decision vide 10.11 approving the additional allocation, as shifting of projects from AMRUT 2.0 to AMRUT 1.0 has resulted in increased savings.

**9<sup>th</sup> SHPSC Decision:**

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

- ❖ Out of the total 109 SWAP-3 proposals for Rs. 827.623 Cr was received, the Committee approved 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. as per the available allocated Central Assistance and based on the importance of the project.
- ❖ The Committee decided to keep the 37 remaining projects amounting to Rs. 275.144 Cr. (CAPEX) as a buffer list due to the limitation of allocated CA in light of potential project cancellations or the possibility of securing additional funds from MoHUA or alternative sources, such as the Urban Infrastructure Development Fund (UIDF), etc. The sanction for individual projects will be granted based on fund availability and priority. The State Mission Director was authorized to request additional funds from MoHUA for the projects listed in the buffer list.
- ❖ The Committee accorded, in principle, sanction for issuing administrative approvals for the approved SWAP 3 proposals that have available land and feasibility confirmed by the Managing Director of KWA and with Council approvals. This excludes the 24x7 proposals and the Micro Water Supply Scheme. All approvals are subject to the consent of the APEX Committee of MoHUA.

- ❖ It was observed that the excess amount required for the approved SWAP-3 (72 Projects) could be adjusted by utilizing unspent funds from the water supply sector of Tranches 1 and 2. However, the Committee decided that the State would cover the additional costs over and above the allocated fund. The State Mission Director was authorized and empowered to submit Tranche 3 to the Apex Committee, MoHUA for approval.
- ❖ The Committee authorized the Mission Director to submit a request for the cancellation of 41 AMRUT 2.0 projects in SWAP 1 to the APEX Committee of MoHUA.
- ❖ Secretaries of Parappanangadi, Neyyattinkara & Nilambur Municipalities were asked to get the NOCs from the respective departments for land urgently. It was emphasized that further delays would lead to the cancellation of the projects.
- ❖ The Chairperson of Piravom Municipality informed that land has been identified and steps have already been taken for purchasing the land for the proposed OHSR. The Mission Director added that the said project is included in the buffer list.
- ❖ The Head Office, KWA, shall submit the feasibility report of all the proposals shortly.
- ❖ The Committee approved the cancellation of four SWAP 1 proposals of the Nileschwaram ULB worth ₹ 6.75 Cr.
  1. Drinking Water Supply Scheme in Kizhakkekara & Kadinhikuzhi Area in Nileschwaram Municipality- Capex ₹1.25 Cr.
  2. Drinking Water Supply Scheme in Idichudi Area in Nileschwaram Municipality- Capex ₹ 2.0 Cr.
  3. Drinking Water Supply Scheme in Neelayi Area in Nileschwaram Municipality- Capex ₹ 1.0 Cr.
  4. Drinking Water Supply Scheme in Palayi Area in Nileschwaram Municipality- Capex ₹ 2.5 Cr

#### **Action Taken:**

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

#### **Agenda Item No.12.5: SEWERAGE & SEPTAGE SECTOR-APPROVAL OF STATE WATER ACTION PLAN-TRANCHE III:**

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

Considering the urgency to comply with the NGT directives and in order to avoid further delay in the finalization and submission of the SWAP-3 proposals to MoHUA for approval, the committee decided to recommend the following proposals to the SHPSC:

- ❖ Approval of 10 SWAP-3 proposals worth Rs.503.28 Cr. (Capex: Rs.450.40 Cr. & Opex: Rs.52.87 Cr.)
  - Kannur Corporation – 1 no. – Rs.140.00 Cr. (Capex: Rs.124.00 Cr. & Opex: Rs.16.00 Cr.)
  - Guruvayur Municipality – 1 no. – Rs.25.15 Cr. (Capex: Rs.21.00 Cr. & Opex: Rs.4.15 Cr.)
  - Kollam Corporation – 3 nos. – Rs.99.92 Cr. (Capex: Rs.84.26 Cr. & Opex: Rs.15.66 Cr.)
  - Thrissur Corporation – 1 no. – Rs.70.20 Cr. (Capex: Rs.64.20 Cr. & Opex: Rs.6.00 Cr.)
  - Thiruvananthapuram Corporation – 2 nos. – Rs.24.09 Cr. (Capex: Rs.23.08 Cr. & Opex: Rs.1.00 Cr.)
  - Kozhikode Corporation – 1 no. – Rs.143.16 Cr. (Capex: Rs.133.16 Cr. & Opex: Rs.10.00 Cr.)
  - Alappuzha Municipality - 1 no. - Rs.0.76 Cr. (Capex: Rs.0.70 Cr. & Opex: Rs.0.06 Cr.)
- ❖ The committee noted that the Kozhikode Corporation has not finalized the SWAP-3 proposal and hence decided to restrict the fund for the SWAP-3 proposal to Rs.133.16 Cr. which is the balance fund available after considering all the other SWAP-3 proposals. The committee directed Kozhikode Corporation to finalize the SWAP-3 proposal, obtain approval from the Council, and submit CWAP of the SWAP-3 proposal before the next SHPSC is scheduled. If the ULB fails to do so, the available funds will be reallocated for alternative sewerage proposals planned by KWA within the ULB.
- ❖ The committee directed Thiruvananthapuram Corporation and Alappuzha Municipality to obtain the approval of the respective Councils for the new SWAP-3 proposals and submit the CWAP of the SWAP-3 proposals before the next SHPSC is scheduled.

- ❖ *The committee decided that the funds available with the ULBs shall be adjusted between the ULBs in such a way that full utilization of the available funds is ensured and the burden of excess funds does not fall on the State or ULBs. The SWAP and Capex amounts shall be adjusted to ensure the same.*
- ❖ *The committee directed KWA to submit the feasibility approval for all proposals before the upcoming SHPSC meeting.*

#### **9<sup>th</sup> SHPSC Decision:**

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

- ❖ *Approved the following proposals for inclusion in SWAP-3*
  - *Kannur Corporation – 1 no. – Rs.140.00 Cr. (Capex: Rs.124.00 Cr. & Opex: Rs.16.00 Cr.)*
  - *Guruvayur Municipality – 1 no. – Rs.25.15 Cr. (Capex: Rs.21.00 Cr. & Opex: Rs.4.15 Cr.)*
  - *Kollam Corporation – 3 nos. – Rs.99.92 Cr. (Capex: Rs.84.26 Cr. & Opex: Rs.15.66 Cr.)*
  - *Thrissur Corporation – 1 no. – Rs.70.20 Cr. (Capex: Rs.64.20 Cr. & Opex: Rs.6.00 Cr.)*
  - *Thiruvananthapuram Corporation – 2 nos. – Rs.24.09 Cr. (Capex: Rs.23.08 Cr. & Opex: Rs.1.00 Cr.)*
  - *Kozhikode Corporation – 1 no. – Rs.143.16 Cr. (Capex: Rs.133.16 Cr. & Opex: Rs.10.00 Cr.)*
  - *Alappuzha Municipality - 1 no. - Rs.0.76 Cr. (Capex: Rs.0.70 Cr. & Opex: Rs.0.06 Cr.)*
- ❖ *Approved the decision taken by the SLTC to restrict the fund for the SWAP-3 proposal of Kozhikode Corporation to Rs.133.16 Cr. which is the balance fund available after considering all the other SWAP-3 proposals.*
- ❖ *The funds available with the ULBs shall be adjusted between the ULBs in such a way that full utilization of the available funds is ensured and the burden of excess funds does not fall on the State or ULBs. The SWAP and Capex amounts shall be adjusted to ensure the same.*
- ❖ *The Head Office of KWA, shall submit the feasibility report of all the proposals related to KWA.*

#### **Action Taken:**

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

#### **Agenda Item No.12.6: REJUVENATION OF WATER BODIES AND DEVELOPING GREEN SPACES AND PARKS PROJECTS:**

#### **Agenda Item No.12.6.1: ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS UNDER SWAP-2:**

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

- ❖ *The Committee recommended to SHPSC the issuance of Administrative Sanction for the 16 projects under the Rejuvenation of Water Bodies under SWAP 2. The total sanctioned amount is Rs. 5.1096 crore, comprising CAPEX of Rs. 4.8326 crore and OPEX of Rs. 0.277 crore. This recommendation is subject to the condition that the ULB Secretaries provide an undertaking to the Mission Director, AMRUT regarding land ownership.*
- ❖ *For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access will not be denied.*

<p><b>9<sup>th</sup> SHPSC Decision:</b>  <i>The committee took note of the recommendations of the SLTC and decided as follows;</i></p> <ul style="list-style-type: none"> <li>❖ <i>The Committee accorded Administrative Sanction for the 16 projects listed above under the Rejuvenation of Water Bodies under SWAP 2. The total sanctioned amount is ₹ 5.1096 crore, comprising CAPEX of ₹ 4.8326 crore and OPEX of ₹ 0.277 crore. The approval is subject to the condition that</i> <ul style="list-style-type: none"> <li>● <i>The ULB Secretaries provide an undertaking to the Mission Director, AMRUT regarding land ownership.</i></li> <li>● <i>For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access will not be denied.</i></li> </ul> </li> </ul>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The Administrative sanction has been issued vide G.O (Rt) No. 2041/2024/LSGD dated 26/10/24.</i></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>12<sup>th</sup> SLTC Decision:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The Chair expressed the concern regarding the recent cancellation of approved projects and emphasized the importance of thorough planning and due diligence, stating, “Canceling projects after approval disrupts workflow, wastes resources, and undermines trust in the approval process. Moving forward, all proposed projects must secure all mandatory permissions before being considered.”</i></li> <li>❖ <i>The SLTC recommended canceling 9 water body rejuvenation projects amounting to Rs. 2.2787crore (Capex: Rs. 2.096 crore, O &amp; M: Rs. 0.1827 crore) and substituting them with four new projects amounting to Rs. 1.6052crore (Capex: Rs.1.4752 crore, O &amp; M: Rs.0.13 crore) to the SHPSC. This recommendation is subject to the condition that the ULB Secretaries provide an undertaking to the M.D. of AMRUT regarding land ownership.</i></li> <li>❖ <i>For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access is not denied.</i></li> </ul>
<p><b>9<sup>th</sup> SHPSC Decision:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The committee took note of the recommendations of the SLTC and decided as follows;</i></li> <li>❖ <i>The Committee approved the cancellation of Nine water body rejuvenation projects amounting to ₹2.2787 crore (Capex: ₹2.096 crore, O &amp; M: ₹ 0.1827 crore) and authorized the substitution with four new projects amounting to ₹ 1.6052crore (Capex: ₹ 1.4752 crore, O &amp; M: ₹ 0.13 crore).</i></li> <li>❖ <i>This approval is subject to the condition that</i> <ul style="list-style-type: none"> <li>● <i>The ULB Secretaries provide an undertaking to the Mission Director of AMRUT regarding land ownership for the substituted projects.</i></li> <li>● <i>For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access is not denied.</i></li> </ul> </li> </ul>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The Govt. Order has been issued vide. G.O.(Rt)No.2038/2024/LSGD dated 26-10-2024.</i></li> </ul>
<p><b>Agenda Item No.12.6.3: AMRUT 2.0- REVISION OF ADMINISTRATIVE SANCTION FOR TWELVE PROJECTS:</b></p>
<p><b>12<sup>th</sup> SLTC Decision:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The SLTC recommended the revision of the Administrative Sanction for the above twelve waterbody rejuvenation projects to the SHPSC under the following conditions:</i> <ul style="list-style-type: none"> <li>[a] 50% of the tender excess shall be funded by the ULB, with the remaining 50% funded by the State.</li> <li>[b] Any additional costs due to extra works shall be covered from savings within the water body rejuvenation sectors of SWAP-1 &amp; 2.</li> </ul> </li> </ul>
<p><b>9<sup>th</sup> SHPSC Decision:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The committee took note of the recommendations of the SLTC and decided as follows;</i></li> <li>❖ <i>The Committee accorded the revision of the Administrative Sanction for the above twelve waterbody rejuvenation projects under the following conditions:</i> <ul style="list-style-type: none"> <li>[a] 50% of the tender excess shall be funded by the ULB, with the remaining 50% funded by the State. (The details of tender excess approved so far is attached as <b>Annexure – 23</b>)</li> <li>[b] Any additional costs due to estimated revision shall be covered from savings within the water body rejuvenation sectors of SWAP-1 &amp; 2.</li> </ul> </li> </ul>
<p><b>Action Taken:</b></p> <ul style="list-style-type: none"> <li>❖ <i>The Govt. Order has been issued vide G.O (Rt) No. 2046/2024/LSGD dated 28/10/24.</i></li> </ul>

**Agenda Item No.12.6.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III- SWAP-3 PROPOSALS:****12<sup>th</sup> SLTC Decision:**

- ❖ The proposal for the rejuvenation of Water Bodies costs Rs. 9.17crore (Capex Rs. 8.62; O & M Rs. 0.55), and the project for developing Green Spaces and Parks costs Rs. 2.227 crore (Capex Rs. 2.027 crore; O & M Rs. 0.20 crore). These proposals are recommended to the SHPSC for onward transmission to the Apex Committee. Any additional fund required will be sourced from savings within the same sector.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The committee took note of the recommendations of the SLTC and decided as follows;
  - The Committee approved the 11 SWAP 3 proposals for the Rejuvenation of Water Bodies amounting ₹ 8.96 crore (Capex ₹ 8.42; O & M ₹ 0.54), and the 4 proposals for developing Green Spaces and Parks amounting ₹ 2.227 crore (Capex ₹ 2.027 crore; O & M ₹ 0.20 crore).
- ❖ The total approved SWAP 3 proposals for Tranche 3 (Decision vide 7<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> SHPSC) are as follows:
  - Water Body Rejuvenation Projects (123 No): The total cost - Rs. 62.1354 crore (Capex: Rs. 59.32841 crore; O&M: Rs. 2.80699 crore; Central Assistance: Rs. 23.996 crore).
  - Green Spaces and Parks Projects (73 No): The total cost - Rs. 40.72 crore (Capex: Rs.36.39693 crore; O&M: Rs. 4.32507 crore; Central Assistance: Rs. 16.4916 crore).
- ❖ It was observed that the excess amount could be adjusted by utilizing unspent funds from the water body sector of Tranche 2. However, the Committee decided that the State would cover the additional costs over and above the allocated fund. The State Mission Director was authorized and empowered to submit Tranche 3 to the Apex Committee, MoHUA for approval.

**Action Taken:**

The APEX Committee of MoHUA in its 11th meeting held on 23.09.2024 approved the SWAP 3 of AMRUT for Rejuvenation of Water bodies and Parks.

**Agenda Item No.12.7.1: AMRUT MITRA:****12<sup>th</sup> SLTC Decision:**

- ❖ The Mission Director AMRUT updated the Committee on the progress of the AMRUT MITRA initiative and reported that AMRUT has committed to MoHUA that all work orders will be issued by the 15th of July, and all remaining works will commence before the end of July.
- ❖ The Committee noted that only ₹4.84 lakhs has been spent so far. Consequently, the Committee directed the Secretaries of ULBs of Kollam, Kochi, Kottayam, Palakkad, Alappuzha, Cherthala, Guruvayur, Punalur, and Suthan Bathery to ensure that all MITRA projects are initiated before the end of July 2024 and to expedite the expenditure.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The Committee directed the Secretaries of ULBs to expedite progress on MITRA projects and ensure timely expenditure. Additionally, KWA and ULBs were instructed to submit new projects in accordance with AMRUT MITRA guidelines within one week, as project selection by MoHUA will be on a first-come, first-served basis.
- ❖ It was also added that the allocated work should be carried out exclusively by the identified SHGs.

**Action Taken:**

A detailed Agenda on AMRUT MITRA progress is included in this meeting.

**Agenda Item No.12.7.2: 24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF THE STATE-LEVEL TASK FORCE:****12<sup>th</sup> SLTC Decision:**

The committee decided to recommend to the SHPSC the reconstitution of the State Level Task Force (STF) on DFT as follows:

#	STF	Designation
1	Chairperson	State Mission Director -AMRUT
2	Co-Chairperson	Technical Member KWA
3	Member	Chief Engineer, LSGD
4	Member	Chief Engineer, Projects & Operations, Kerala Water Authority
5	Member	Head of the Department (Civil), CET
6	Member	Chief Engineer, Irrigation & Administration
7	Member	GIS Expert/Hydraulic Expert, CWRDM, Kozhikode
8	Member	Chief Engineer PWD (KRFB)
9	Member	Executive Engineer (Operations), Jalabhavan KWA

10	Member Secretary	Executive Engineer Project Implementation Unit-2, Jalabhavan, KWA
11	Member	Deputy Mission Director, AMRUT
12	Member	Chief Engineer, WASCON, Kerala Water Authority

**9<sup>th</sup> SHPSC Decision:**

The committee took note of the SLTC recommendations and decided to reconstitute the State Level Task Force (STF) on DFT as follows:

#	STF	Designation
1	Chairperson	State Mission Director -AMRUT
2	Co-Chairperson	Technical Member KWA
3	Member	Chief Engineer, LSGD
4	Member	Chief Engineer, Projects & Operations, Kerala Water Authority
5	Member	Head of the Department (Civil), CET
6	Member	Chief Engineer, Irrigation & Administration
7	Member	GIS Expert/Hydraulic Expert, CWRDM, Kozhikode
8	Member	Chief Engineer PWD (KRFB)
9	Member	Executive Engineer (Operations), Jalabhavan KWA
10	Member Secretary	Executive Engineer Project Implementation Unit-2, Jalabhavan, KWA
11	Member	Deputy Mission Director, AMRUT
12	Member	Chief Engineer, WASCON, Kerala Water Authority

**Action Taken:**

The State Level Task Force (STF) on DFT has been reconstituted vide G.O.(Rt)No.1901/2024/LSGD dated 14.10.2024.

**Agenda Item No.12.7.3: SELECTION OF THE PROJECT DEVELOPMENT MANAGEMENT CONSULTANCY:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The Committee observed that the majority of activities under the scope of the Project Development and Management Consultant (PDMC) were either initiated or completed. The remaining activities include:
  1. KWA-related activities (Activities 1, 2, & 3)
  2. Development of the Urban/City Aquifer Management Plan (Activity 4)
  3. Information, Education, and Communication (IEC) activities supporting the AMRUT 1.0 ULBs (Activity 5)
- ❖ The Committee decided to recommend to the State High Powered Steering Committee (SHPSC) the cancellation of the current PDMC tender.
- ❖ The Committee decided to recommend the SHPSC to unbundle the activities under its scope as follows:
  - Preparation of the Urban Aquifer Management Plan for AMRUT 1.0 cities through the Central Groundwater Board or by bidding for an accredited agency of CGWB to conduct the same.
  - IEC activities to be arranged separately.
  - KWA to arrange Activities 1, 2, & 3 through design and build type contracts/ through WASCON / through consultants as per requirement only.
- ❖ Additionally, the Committee directed the Mission Director AMRUT to allocate necessary funds from the Administrative & Other Expenses (A&OE) fund for these purposes.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The Committee decided that due to reduced project scope, PDMC services are no longer necessary. However, limited activities remained can be executed through alternate methods as follows:
  - Preparation of the Urban Aquifer Management Plan for AMRUT 1.0 cities by inviting bid from accredited agencies of Central Ground Water Authority (CGWA).
  - IEC activities to be arranged separately through consultants.
  - KWA to arrange Activities 1, 2, & 3 through design and build type contracts/ through WASCON / through consultants as per requirement only.
- ❖ The Committee decided to cancel the current PDMC tender.
- ❖ The Committee directed the Mission Director AMRUT to allocate necessary funds from the Administrative & Other Expenses (A&OE) fund for these purposes.
- ❖ The Committee authorized the Mission Director AMRUT to invite bids for the selection of consultants for the IEC activities and also towards the preparation of the Urban Aquifer Management Plan in AMRUT 1.0 cities.
- ❖ The Committee instructed the Mission Director to include the best practice documentation of AMRUT 1.0 under the scope of works of IEC.

**Action Taken:**

- ❖ Government order issued vide G.O.(Rt)No.2036/2024/LSGD dated 26.10.2024 canceling the PDMC services for AMRUT 2.0 as they are no longer necessary due to reduced project scope.

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

- ❖ 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.

**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:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The Committee noted the Government of India fully funds (100% central assistance) the Capacity Building Programme under AMRUT 2.0
- ❖ The Committee noted that MoHUA and other agencies frequently organize programs and meetings on short notice, which hampers the timely issuance of Government Orders for air travel permissions for AMRUT officials. This has resulted in missed opportunities for Kerala's participation.
- ❖ The Committee approved and recommended to SHPSC to authorize the Mission Director to approve air travel arrangements for AMRUT Mission Team outside Kerala for attending AMRUT related programs after assessing the requirement, but to keep Government informed.

**9<sup>th</sup> SHPSC Decision:**

- ❖ The Committee authorized the Mission Director to approve air travel arrangements for the AMRUT Mission Team outside Kerala, excluding foreign tours, to attend AMRUT-related programs, provided that the requirement is assessed and the Government is kept informed.
- ❖ The required funds need to be met from the central assistance allocated for the Capacity Building Programme under AMRUT 2.0.

**Action Taken:**

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

**Agenda Item No.12.7.5: SETTING UP OF ADDITIONAL OFFICE SPACE FOR SMMU: REVISION OF ADMINISTRATIVE SANCTION:**

**12<sup>th</sup> SLTC Decision:**

- ❖ The Committee recommended ratifying the actions taken in this regard to the SHPSC and approving the revision of the Administrative Sanction to Rs. 36,71,370 (Rupees Thirty-Six Lakh Seventy-One Thousand Three Hundred and Seventy

<i>only), up from Rs. 31,46,944 (Rupees Thirty-One Lakh Forty-Six Thousand Nine Hundred and Forty-Four only).</i>
<b>9th SHPSC Decision:</b>
❖ <i>The Committee ratified the actions taken by the Mission Director in carrying out additional workstations and approved the revision of the Administrative Sanction to ₹ 36,71,370 (Rupees Thirty-Six Lakh Seventy-One Thousand Three Hundred and Seventy only), up from ₹ 31,46,944 (Rupees Thirty-One Lakh Forty-Six Thousand Nine Hundred and Forty-Four only)</i>
<b>Action Taken:</b>
❖ <i>The Government Order has been issued vide G.O (Rt) No. 2048//2024/LSGD dated 28/10/24.</i>
<b>Agenda Item No.12.8: SUB SCHEME - FORMULATION OF GIS MASTER PLAN FOR CLASS II TOWNS UNDER AMRUT 2.0:</b>
<b>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:</b>
<b>12<sup>th</sup> SLTC Decision:</b>
❖ <i>The Committee noted that the RFP document has been prepared by the Chief Town Planner (Planning) for engaging consultants to prepare GIS-based Master Plans for 49 cities.</i>
❖ <i>As it has been recommended vide decision No.12.8.2 to appoint Sri Prasant H, retired Chief Town Planner (Planning), as Planner Consultant and the two Planner Associates for the formulation of GIS-based Master Plans for AMRUT 2.0 towns on a contract basis for two years, the Committee decided to manage the remaining processes related to consultant selection through the Planner Consultant and the two Planner Associates by Town Planning Department themselves</i>
<b>Action Taken:</b>
❖ <i>Government Order for the selection of Planner Consultant &amp; Planner Associates is awaited.</i>
<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>12<sup>th</sup> SLTC Decision:</b>
❖ <i>The Committee approved and recommended to SHPSC to appoint Sri Prasant H, retired Chief Town Planner (Planning), as Planner Consultant for the formulation of GIS-based Master Plans for AMRUT 2.0 towns on a contract basis for two years. His consolidated pay will be Rs 51,600 per month, and he shall attend office for a minimum of 12 days per month.</i>
❖ <i>The Committee approved and recommended to SHPSC to appoint two Planner Associates with a Postgraduate Degree in Town and Country Planning or equivalent, under the 'Young Professionals Programme'. Their consolidated pay will be Rs 35,000 per month. They will assist the State Level Nodal Agency (SLNA) and AMRUT in all tasks related to the Scheme of Formulation of GIS-based Master Plans for AMRUT 2.0 towns.</i>
❖ <i>The Committee approved and recommended to SHPSC that the salaries of the Planner Consultant and Planner Associates be funded from the Administrative and Other Expenses (A&amp;OE) funds of AMRUT 2.0.</i>
<b>9<sup>th</sup> SHPSC Decision:</b>
❖ <i>The Committee approved the appointment of Sri Prasant H, a retired Chief Town Planner (Planning), as a Planner Consultant for the preparation of GIS-based Master Plans for AMRUT 2.0 towns. This appointment will be on a contract basis for one year and will be extended based on the performance of the incumbent and requirement of the Mission. The consolidated monthly salary shall be Rs. 51,600/- as per GO(Rt) No.384/2017/LSGD dated 10.02.2017.</i>
❖ <i>The Committee approved the engagement of two Planner Associates with a Postgraduate Degree in Town and Country Planning or a related field under the 'Young Professionals Programme.' The consolidated monthly salary shall be Rs. 35,000. This appointment will be on a contract basis for one year and will be extended based on the performance of the incumbents and requirement of the Mission. These Planner Associates will assist the State Level Nodal Agency (SLNA) and AMRUT with tasks related to the formulation of GIS-based Master Plans for AMRUT 2.0 towns.</i>
❖ <i>The Committee agreed with the decision of the 12th SLTC (Decision No. 12.8.1) to reject the CTP's request to engage CMD for the selection of consultants for the sub-scheme. Instead, the remaining processes related to consultant selection such as preparing and finalizing RFP documents, preparing the Bid Evaluation Report, conducting a three-stage evaluation of applicants based on the notified criteria, negotiating with the selected bidder, verifying documents, and awarding the contract shall be managed by the Planner Consultant and the two Planner Associates and CTP office, under the supervision of MD (AMRUT).</i>
❖ <i>Furthermore, the Committee decided that the remuneration for the Planner Consultant and Planner Associates shall be covered by the funds allocated under the State Plan Scheme "Support Scheme for Formulation of GIS-based Master Plans for AMRUT 2.0 towns." Any excess requirement shall be met from the A&amp;OE fund of AMRUT 2.0.</i>



**Action Taken:**

❖ Government Order is awaited.

**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)	Excess CA (Cr)	% SWAP
Water Supply	251	2413.650	2291.248	122.310	971.776	852.158	586.377	3.363	19.860	69.43%
Sewerage	45	1143.980	1049.953	94.010	353.454	361.883	428.634	0.000	-0.030	25.25%
Water body	371	145.080	136.580	8.500	58.013	50.267	36.633	0.145	3.133	4.14%
Park	73	40.720	36.400	4.330	16.492	13.859	10.340	0.032	2.772	1.18%
<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>*25.735</b>	<b>100.0%</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	Nos	Nos	Amount (₹ Cr)		Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)			
WS	154	154	154	1680.52	276	249	1423.82	246	1283.32	219	908.82	46	303.92	18.08
SEW	14	14	14	457.81	38	38	95.92	35	85.81	31	85.59	12	10.49	2.29
WBR	248	239	239	68.44	250	221	60.24	220	55.55	202	67.58	56	12.61	18.43
Micro WS	25	16	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>423</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 as Annexure-4)**

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)	<b>456</b>	<b>417</b>	<b>553</b>	<b>490</b>	<b>466</b>	<b>381</b>	<b>16</b>	<b>228.53</b>	<b>10.33</b>
As on 03.01.2025	441*	423	587	521	514	459	114	327.77	14.65
Progress	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.						+ 98	+ 99.24	+ 4.32

**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.

## 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 & 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:

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- *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, (**Annexure--5**) 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 to be Taken:**

**The Committee may take a suitable decision on the O & M strategy to be adopted for the STPs planned to be implemented under AMRUT-2.0 through 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	1.480	0.044	1.524	❖ Sewer Network: 347 m ❖ Manhole Work: 15 nos. ❖ Road Restoration	100	152440

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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.)			
		SW pipes and construction of new manholes from Mudavanmugal Junction (near RC Church) to Decent Mukku Junction ❖ SWAP Capex: ₹1.480 Cr. ❖ SWAP O&M: ₹0.044 Cr. ❖ SWAP Total: ₹1.524 Cr. ❖ Agency: KWA						
3	Thiruvananthapuram	Urgent rectification of sewerage network by replacement of damaged 150 mm SW pipes with 200 mm SW Pipe and 250 mm SW pipe & construction of new manholes from Kunnu Bungalow to Mudavanmugal Junction ❖ SWAP Capex: ₹2.150 Cr. ❖ SWAP O&M: ₹0.065 Cr. ❖ SWAP Total: ₹2.215 Cr. ❖ Agency: KWA	2.150	0.065	2.215	❖ Sewer Network: 450 m ❖ Manhole Work: 25 nos. ❖ Road Restoration	600	36908
4	Thiruvananthapuram	Replacement of existing damaged sewerage main from NC Hospital Junction to Kannettumukku Junction with 300 mm SW pipe (under Sewerage Section Kuriathy) ❖ SWAP Capex: ₹1.900 Cr. ❖ SWAP O&M: ₹0.057 Cr. ❖ SWAP Total: ₹1.957 Cr. ❖ Agency: KWA	1.900	0.057	1.957	❖ Sewer Network: 566 m ❖ Manhole Work: 29 nos. ❖ Road Restoration	63	313120
5	Thiruvananthapuram	Reconstruction of old dilapidated brick manholes, construction of new sewerage manholes, raising of manhole covers & supplying CI manhole covers in Pottakuzhy - Mulavana road stretch ❖ SWAP Capex: ₹0.750 Cr. ❖ SWAP O&M: ₹0.023 Cr. ❖ SWAP Total: ₹0.773 Cr. ❖ Agency: KWA	0.750	0.023	0.773	❖ Sewer Network: 187 m ❖ Manhole Work: 50 nos. ❖ Road Restoration	50	154600
6	Thiruvananthapuram	Supply, erection & commissioning of various pump sets & other necessary equipment for 107 MLD Sewage Treatment Plant at	2.865	0.143	3.009	❖ Non-clog pump set (75 hp) for RAS: 6 nos. ❖ Non-clog pump set (3 hp) for WAS: 1 no.	50479	596

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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.)			
		Muttathara ❖ SWAP Capex: ₹2.865 Cr. ❖ SWAP O&M: ₹0.143 Cr. ❖ SWAP Total: ₹3.009 Cr. ❖ Agency: KWA				❖ Dewatering pump (5 hp) for RAS: 1 no. ❖ Pump set (15 hp) for Chlorine Contact Tank: 1 no. ❖ Motorized Chain Pulley Block (2t) for Inlet Well: 1 no. ❖ Soft Starter for MCC unit: 16 nos. ❖ Pumping line from Septage Receiving Station to Inlet Chamber: 500 m ❖ CCTV Camera Unit: 1 no. ❖ AC units (1.5/2 t) for Admin Building: 9 nos.		
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 Koottamvila 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	1.386	0.069	1.455	❖ Sewer Network: 728 m ❖ Manhole Work: 32 nos.	125	116408

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.)			
		through NB Street and NSS Karayogam of Jawahar Nagar in Kowdiar Ward ❖ SWAP Capex: ₹1.386 Cr. ❖ SWAP O&M: ₹0.069 Cr. ❖ SWAP Total: ₹1.455 Cr. ❖ Agency: KWA				❖ Road Restoration		
11	Thiruvananthapuram	Replacing old and damaged sewer line in Kunnukuzhy RC Street ❖ SWAP Capex: ₹1.030 Cr. ❖ SWAP O&M: ₹0.052 Cr. ❖ SWAP Total: ₹1.082 Cr. ❖ Agency: KWA	1.030	0.052	1.082	❖ Sewer Network: 243 m ❖ Manhole Work: 18 nos. ❖ Road Restoration	100	108150
12	Thiruvananthapuram	Providing new sewer lines in Meleveedu Madan Kovil & Kukiliar Lane from House No. KLRA-80 to KLRA-125 in Jagathy Ward ❖ SWAP Capex: ₹0.348 Cr. ❖ SWAP O&M: ₹0.017 Cr. ❖ SWAP Total: ₹0.365 Cr. ❖ Agency: KWA	0.348	0.017	0.365	❖ Sewer Network: 210 m ❖ Manhole Work: 11 nos. ❖ Road Restoration	63	58464
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.	0.279	0.014	0.293	❖ Sewer Network: 177 m ❖ Manhole Work: 9 nos. ❖ Road Restoration	63	46800



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 Total: ₹0.293 Cr.</li> <li>❖ Agency: KWA</li> </ul>						
16	Thiruvananthapuram	Providing new sewer line in Housing Board Colony in Kuravankonam <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹0.644 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.032 Cr.</li> <li>❖ SWAP Total: ₹0.676 Cr.</li> <li>❖ Agency: KWA</li> </ul>	0.644	0.032	0.676	<ul style="list-style-type: none"> <li>❖ Sewer Network: 364 m</li> <li>❖ Manhole Work: 20 nos.</li> <li>❖ Road Restoration</li> </ul>	63	108160
17	Thiruvananthapuram	Providing new sewer line at Vinayaka Nagar towards Arappura area <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹2.309 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.115 Cr.</li> <li>❖ SWAP Total: ₹2.425 Cr.</li> <li>❖ Agency: KWA</li> </ul>	2.309	0.115	2.425	<ul style="list-style-type: none"> <li>❖ Sewer Network: 863 m</li> <li>❖ Manhole Work: 44 nos.</li> <li>❖ Road Restoration</li> </ul>	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 <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹0.925 Cr.</li> <li>❖ SWAP O&amp;M: ₹0.046 Cr.</li> <li>❖ SWAP Total: ₹0.971 Cr.</li> <li>❖ Agency: KWA</li> </ul>	0.925	0.046	0.971	<ul style="list-style-type: none"> <li>❖ Sewer Network: 380 m</li> <li>❖ Manhole Work: 20 nos.</li> <li>❖ Road Restoration</li> </ul>	63	155312
<b>Sub Total: Thiruvananthapuram</b> <ul style="list-style-type: none"> <li>❖ SWAP Capex: ₹23.084 Cr.</li> <li>❖ SWAP O&amp;M: ₹1.005 Cr.</li> <li>❖ SWAP Total: ₹24.089 Cr.</li> <li>❖ Agency: KWA – 18 nos.</li> </ul>			<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>

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.)			
19	Kollam	Rehabilitation of existing sewerage system and extension of sewerage system for Zone A1 Part II KLM SS-02 and commissioning of Asramom pumping station (balance works) ❖ SWAP Capex: ₹32.136 Cr. ❖ SWAP O&M: ₹5.244 Cr. ❖ SWAP Total: ₹37.380 Cr. ❖ Agency: KWA	32.318	5.062	37.380	❖ Sewer Network: 13408 m ❖ Pumping Main: 761 m ❖ Pumping Station: 1 no. ❖ Manhole Work: 500 nos. ❖ Sewer Connection: 2301 nos. ❖ Road Restoration	2301	162451
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) ❖ SWAP Capex: ₹24.756 Cr. ❖ SWAP O&M: ₹5.244 Cr. ❖ SWAP Total: ₹30.000 Cr. ❖ Agency: KWA	24.756	5.244	30.000	❖ Sewer Network: 5887 m ❖ Pumping Main: 660 m ❖ Pumping Station: 2 nos. ❖ Manhole Work: 98 nos. ❖ Sewer Connection: 3275 nos. ❖ Road Restoration	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) ❖ SWAP Capex: ₹27.369 Cr. ❖ SWAP O&M: ₹5.171 Cr. ❖ SWAP Total: ₹32.540 Cr. ❖ Agency: KWA	27.369	5.171	32.540	❖ Sewer Network: 4342 m ❖ Pumping Main: 2960 m ❖ Pumping Station: 1 no. ❖ Manhole Work: 98 nos. ❖ Sewer Connection: 3566 nos. ❖ Road Restoration	3566	91251
<b>Sub Total: Kollam</b> ❖ SWAP Capex: ₹84.261 Cr. ❖ SWAP O&M: ₹15.659 Cr. ❖ SWAP Total: ₹99.920 ❖ Agency: KWA – 3 nos.			<b>84.443</b>	<b>15.477</b>	<b>99.920</b>	❖ Sewer Network: 23637 m ❖ Pumping Main: 4381 m ❖ Pumping Station: 4 nos. ❖ Manhole Work: 696 nos. ❖ Sewer Connection: 9142 nos. ❖ Road Restoration	<b>9142</b>	<b>109298</b>
22	Alappuzha	5 MLD Sewerage scheme for Alappuzha Municipality with STP (Phase-1) ❖ SWAP Capex: ₹64.852 Cr. ❖ SWAP O&M: ₹3.148 Cr. ❖ SWAP Total: ₹68.000	64.852	3.148	68.000	❖ STP Capacity: 5 MLD ❖ Co-treatment Capacity: 13 KLD ❖ Sewer Network: 9790 m ❖ Pumping Main: 800 m	13148	51719

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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.)			
		❖ Agency: KWA				❖ Pumping Station: 1 no. ❖ Lifting Station: 3 nos. ❖ Manhole Work: 384 nos. ❖ Sewer Connection: 2048 nos. ❖ Co-treatment: 11100 nos. ❖ Road Restoration		
23	Thrissur	5 MLD Sewerage Scheme for Thrissur Corporation Poomkunnam - Kottapuram area ❖ SWAP Capex: ₹44.860 Cr. ❖ SWAP O&M: ₹3.820 Cr. ❖ SWAP Total: ₹48.680 Cr. ❖ Agency: KWA	44.860	3.820	48.680	❖ STP Capacity: 5 MLD ❖ Co-treatment Capacity: 22 KLD ❖ Sewer Network: 10103 m ❖ Pumping Main: 100 m ❖ Pumping Station: 1 no. ❖ Lifting Station: 2 nos. ❖ Manhole Work: 426 nos. ❖ Sewer Connection: 1016 nos. ❖ Co-treatment: 27160 nos. ❖ Road Restoration	28176	17277
24	Thrissur	Decentralized Sewerage Scheme for Thrissur Corporation ❖ SWAP Capex: ₹64.200 Cr. ❖ SWAP O&M: ₹6.000 Cr. ❖ SWAP Total: ₹70.200 Cr. ❖ Agency: ULB	64.200	6.000	70.200	❖ STP Capacity: 2.5 MLD ❖ Sewer Network: 26789 m ❖ Pumping Main: 1020 m ❖ Pumping Station: 1 no. ❖ Manhole Work: 1016 nos. ❖ Sewer Connection: 2708 nos. ❖ Road Restoration	2708	259232
<b>Sub Total: Thrissur</b> ❖ SWAP Capex: ₹109.060 Cr. ❖ SWAP O&M: ₹9.820 Cr. ❖ SWAP Total: ₹118.880 ❖ Agency: KWA – 1 no. ❖ Agency: ULB – 1 no.			109.060	9.820	118.880	❖ Number of STPs: 2 nos. ❖ STP Capacity: 7.5 MLD ❖ Co-treatment Capacity: 22 KLD ❖ Sewer Network: 36892 m ❖ Pumping Main: 1120 m ❖ Pumping Station: 2 nos. ❖ Lifting Station: 2 nos. ❖ Manhole Work: 1442 nos. ❖ Sewer Connection: 3724 nos. ❖ Cotreatment: 27160 nos. ❖ Road Restoration	30884	38492
<b>Grand Total – 24 Projects</b> ❖ SWAP Capex: ₹281.257 Cr. ❖ SWAP O&M: ₹29.632 Cr. ❖ SWAP Total: ₹310.889 ❖ Agency: KWA – 23 nos. ❖ Agency: ULB – 1 no.			281.439	29.448	310.888	❖ Number of STPs: 3 nos. ❖ STP Capacity: 12.5 MLD ❖ Co-treatment Capacity: 35 KLD ❖ Sewer Network: 76372 m ❖ Pumping Main: 6801 m ❖ Pumping Station: 7 nos. ❖ Lifting Station: 5 nos. ❖ Manhole Work: 3246 nos. ❖ Sewer Connection: 14914 nos. ❖ Co-treatment: 38260 nos.	106974	29062

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>❖ 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 to be Taken:**

**The committee may take suitable a decision on recommending 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.**
  - **The amount 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 DPR charges included in the DPR by KWA can't be accepted, and the amount set aside for the same shall be used for works.**

- In the case of the project of Kollam Corporation, where the Capex cost as per the DPR is ₹0.182 Cr. more than the Capex cost as per SWAP, the excess amount required shall be borne by the 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 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 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 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 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 (9.61m3), 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	0.805	0.8	0.005	Desilting(2473.39cum), Construction of Side walls (3.2m height), Handrails, Interlocked

		*SWAP CAPEX:0.15 *SWAP O&M:0.005				Pathway, Water treatment Mechanisms, Dry Rubble Masonry (722.714cum) *Latitude-12.0468 *Longitude-75.5582 *Area-53.6 cent
4	KOYILANDY	Rejuvenation of Vadakkumpattillam pond (KL-KOYILANDY-17293) *SWAP TOTAL:0.33 *SWAP CAPEX:0.3 *SWAP O&M:0.03	0.33	0.3	0.03	Desilting (501.84cum), Rubble Masonry (372.88 cum), Reinforced Cement Concrete (19.22cum), Aerators, Embankments, Floating Wetlands *Latitude-11.4764 *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	THIRUVANANTHAPURAM	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	THIRUVANANTHAPURAM	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
		Total (Tranche II)	6.050	5.805	0.245	
<b>TRANCHE 3</b>						
8	MAVELIKKARA	AMRUT 2.0 Rejuvenation of Theruvilkulam Mavelikkara Municipality	0.72	0.7	0.02	Cleaning, Deepening(7487.25cum), Sidewall Protection with Rubble Masonry

AMRUT KERALA 2.0 | Agenda Note for the 13<sup>th</sup> SLTC, Dated 07.01.2025

		(KL-MAVELIKKARA-15061) *SWAP TOTAL:0.72 *SWAP CAPEX:0.7 *SWAP O&M:0.02				(768.25cum), Fencing, Handrails, Water treatment Mechanism, etc. *Latitude-9.2428 *Longitude-76.546 *Area-119.85 cent
9	KAYAMKULAM	AMRUT 2.0 Rejuvenation of Irattakkulam Ward 35 of Kayamkulam Municipality (KL-KAYAMKULAM-14943) *SWAP TOTAL:0.104 *SWAP CAPEX:0.095 *SWAP O&M:0.009	0.104	0.095	0.009	Deepening, Dry Rubble Masonry (5.20m <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	KAYAMKULAM (M)	AMRUT 2.0 Rejuvenation of Othanakulam Ward 1 of Kayamkulam Municipality (KL-KAYAMKULAM-14945) *SWAP TOTAL:0.041 *SWAP CAPEX:0.038 *SWAP O&M:0.003	0.04	0.037	0.003	Desilting(191.1cum) Footpath (43sqm), Handrail, GI chain link fencing etc. *Latitude-9.18641 *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 Kunnamkulam Municipality (KL-KUNNAMKULAM-10240) *SWAP TOTAL:0.1 *SWAP CAPEX:0.08 *SWAP O&M:0.02	0.1	0.08	0.02	Excavation(18.50cum), Rubble Masonry(39.51cum), Concrete(17.03cum), Handrails, Footpath(319.2sqm), Water treatment Mechanisms, Footpath(319.20sqm) *Latitude-10.658925 *Longitude-76.083787 *Area-22.49 cent
16	KUNNAMKULAM	Rejuvenation of Cheruvathurkulam in Kunnamkulam Municipality (KL-KUNNAMKULAM-10242) *SWAP TOTAL:0.25 *SWAP CAPEX:0.2 *SWAP O&M:0.05	0.25	0.2	0.05	Cleaning, Desilting(267.3cum), Protection with rubble masonry (308.0cum), Concrete(30.37cum), Water Quality Monitoring, Plantation *Latitude-10.6497 *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	PERINTHALM ANNA	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	PERINTHALM ANNA (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 (KL-TANUR-15210) *SWAP TOTAL:0.271 *SWAP CAPEX:0.246 *SWAP O&M:0.025	0.294	0.269	0.025	Cleaning, Desilting(278.8cum), Protection works with Rubble Masonry (578.31cum), Handrails, Plantation, Constructed Wetlands/ 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	VALANCHER RY	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	VALANCHER RY	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 *SWAP O&M:0.005	0.105	0.1	0.005	Clearing, Solid Block (16.2cum), Concrete(15.65cum), Signboards, Gardens, Footpath(80sqm), Seating Areas, Lighting, Water treatment Mechanism etc *Latitude-9.01133 *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	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

		*SWAP O&M:0.01				*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 Thrikkayil Malloosery Sreekrishna Temple pond in ward no 11 (KL-KOTTAYAM-15202) *SWAP TOTAL:0.18 *SWAP CAPEX:0.17 *SWAP O&M:0.01	0.18	0.17	0.01	Excavation(179cum), Coconut Pile (480metre), Laterate masonry (63.785cum), Protection work with DR Packing (67.270cum), Concrete (5.42cum), Step, Water Quality Mechanism etc...  *Latitude-9.60572 *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	KOZHICODE	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-THATHAMAN GALAM (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-10.8105556 *Longitude-76.3694444

						*Area-164.0 cent
50	OTTAPPALAM (M)	Renovation of Perumkulam in Ottapalam Municipality (KL-OTTAPPALAM-14638) *SWAP TOTAL:0.77 *SWAP CAPEX:0.7 *SWAP O&M:0.07	0.77	0.7	0.07	Cleaning, Deepening (1836.75m <sup>3</sup> ); Dry Rubble Masonry (471.0m <sup>3</sup> ), Concrete (66.0m <sup>3</sup> ), Footpath (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, Chequered 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 *SWAP O&M:0.003	0.253	0.25	0.003	Cleaning, Footpath(720sqm), Handrail, Construction of Shelter for public recreation, Water management mechanism; Lighting, Seating etc. *Latitude-10.203137 *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	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.

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		*SWAP O&M:0.005				*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 (KL-KONDOTTY-11248) *SWAP TOTAL:0.012 *SWAP CAPEX:0.01 *SWAP O&M:0.002	0.012	0.01	0.002	Cleaning, Protection work with Rubble Masonry (4.83cum), Handrails, *Latitude-11.160982 *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.

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						*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

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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 -	0.404	0.4	0.004	Clearing, Dismantling Rubble Masonry, Deepening (1750.0cum),

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		Paduthalakulam Div 34 (KL-THRISSUR-15076) *SWAP TOTAL:0.404 *SWAP CAPEX:0.4 *SWAP O&M:0.004				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	NEYATTINKARA (M)	Thoppu kulam Rejuvenation in Kavalakulam Ward in Neyyattinkara Municipality (KL-NEYATTINKARA-9970) *SWAP TOTAL:0.412 *SWAP CAPEX:0.4 *SWAP O&M:0.012	0.412	0.4	0.012	Clearing, Deepening(1596.1cum), Protection work with Rubble Masonry (300.57cum), Concrete(82.86cum), Handrail, Footpath (625.0sqm), Landscaping, Electrification, Water Treatment Mechanism, etc. *Latitude-8.39120506 *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	THIRUVANAN THAPURAM	Rejuvenation of Aarivilantikonom Kulam in Estate Ward (KL- THIRUVANANTHAPURAM- 15619) *SWAP TOTAL:0.94 *SWAP CAPEX:0.91262 *SWAP O&M:0.02738	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, etc. *Latitude-8.474603 *Longitude-76.987614 *Area-50 cent
102	THIRUVANAN THAPURAM	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	0.4950 5	0.0148 5	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	THIRUVANAN THAPURAM	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	THIRUVANAN THAPURAM	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	THIRUVANAN THAPURAM	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 Kallaramadam 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 Nambidikomam 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)	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

		*SWAP TOTAL:0.6 *SWAP CAPEX:0.58 *SWAP O&M:0.02				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-THIRUVANANTHAPURAM-14257) *SWAP TOTAL:1 *SWAP CAPEX:0.95 *SWAP O&M:0.05	1	0.95	0.05	Clearing, Excavation (585.00cum), Protection work with Rubble Masonry(948.26cum), Concrete protection wall (180.45cum), Aerators, Water Treatment Mechanism, Floating Wetland, Handrail, Stone Benches, Electrification, Drains etc.. *Latitude-8.469111 *Longitude-76.967264 *Area-111 cent
113	THIRUVANANTHAPURAM	Maintenance of Thamarabhogom 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 Perumkarikkinchira 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	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

		*SWAP CAPEX:0.78 *SWAP O&M:0.02				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	0.8450	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, Childrens 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)	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

		*SWAP TOTAL:0.5448 *SWAP CAPEX:0.531 *SWAP O&M:0.0138				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 *SWAP O&M:0.00106	0.0429	0.04184	0.00106	Clearing, Deepening(157.5cum), Conveyance of desilted Earth, Plantation, Aerators, Water Quality Monitoring, etc. *Latitude-8.534092 *Longitude-76.926364 *Area-43.24 cent
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 Punnavelilkonam pond (KL-NEDUMANGAD-15632)	0.1443	0.1401	0.0042	Cleaning, Deepening(247.5cum), Excavation (46.20cum), Protection work with Rubble

		*SWAP TOTAL:0.1443 *SWAP CAPEX:0.1401 *SWAP O&M:0.0042				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-2.0- Construction of Ommen Chandy Park on the sides of Kettezhathukadavu road in div 23 in Maradu municipality (KL-MARADU(M)-15045) *SWAP TOTAL:0.75 *SWAP CAPEX:0.7 *SWAP O&M:0.05	0.75	0.7	0.05	Clearing, Footpath (1572.0sqm), Parking area, Handrail, Benches, Development of existing Road side drains, EV Station space, Children's Play Equipment (Two Seater See-saw, Standing twister single, Pendulum double), Gym Equipment (Step Trainer, Leg extension etc), Plantation of trees and Shrubs, Electrification etc. *Latitude-9.55 *Longitude-76.6342 *Area-70 cent

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7	PIRAVOM	Renovation Works to Pazhoor Attutheeram Park , Piravom Municipality. (KL-PIRAVOM-15047) *SWAP TOTAL:0.35 *SWAP CAPEX:0.3 *SWAP O&M:0.05	0.35	0.3	0.05	Footpath (132.0sqm), Parking area, Handrail, Solid Block(53.7cum), Electrification, Plants, food court, security cabin, Seating etc. *Latitude-9.863528 *Longitude-76.6342 *Area-128.25 cent
8	THRIKKAKARA(M)	Renovation of Thrikkakara Municipal Park (KL-THRIKKAKARA(M)-14939) *SWAP TOTAL:0.8 *SWAP CAPEX:0.75 *SWAP O&M:0.05	0.8	0.75	0.05	Footpath(2286.0sqm), renovation of existing pavilion, Handrail, Plantation, Seating, Outdoor GYM and play equipment, Grass Turf, Compound Wall, Electrification *Latitude-10.017627 *Longitude-76.6342 *Area-125.0 cent
9	THRIPPUNITHURA (M)	AMRUT 2.0 Renovation of Thannerchal Park, Tripunithura (KL-THRIPPUNITHURA-15054) *SWAP TOTAL:0.79 *SWAP CAPEX:0.75 *SWAP O&M:0.04	0.79	0.75	0.04	Renovation of existing pavilion, Footpath(1698.0sqm), Handrail, Plantation, Landscape, Seating, Outdoor GYM and play equipment, Electrification, Open stage *Latitude-9.95826 *Longitude-76.6342 *Area-200 cent
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) *SWAP TOTAL:0.54 *SWAP CAPEX:0.5 *SWAP O&M:0.04	0.54	0.5	0.04	Solid block (164.09cum), Footpath (756.0sqm), Toilet construction, coffee shop, seating area around trees, Children's playground, Miniature pearl grass, walkways, Leisure Area, Handrails, Electrification works, Water supply arrangements, landscaping. *Latitude-9.5846 *Longitude-76.6342 *Area-350 cent
13	PARAVUR (M)	Renovation of Dr. Ambedkar Park in North Paravur Municipality (KL-PARAVUR-15055) *SWAP TOTAL:0.54	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,

		*SWAP CAPEX:0.5 *SWAP O&M:0.04				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, ElectrificationSolid 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

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						*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), Openstage, Toilet Blocks, Water Table, Electrification, CCTV, Open Gym, Playe equipments, Bouncy Castle, Hand Pedal Boats, Traffic Park, Mobile for kiosks, Gardening *Latitude-10.03 *Longitude-76.6342 *Area-148.27 cent
23	PONNANI (M)	Development of Park and Greenspace at Biyyam Kayal (KL-PONNANI-12421) *SWAP TOTAL:1.1 *SWAP CAPEX:1 *SWAP O&M:0.1	1.1	1	0.1	Rejuvenation of the event space as a multi-functional pavilion, Footpath(1782.20sqm), Compound wall, Development of the landscape to provide children play areas, seating, hard and softscaping, Security Cabin and Cafeteria, Tree planting, Water Supply Arrangement. etc., *Latitude-10.774854

						*Longitude-76.6342 *Area-89 cent
24	KODUNGALLUR (M)	V K Rajan Municipal Park (KL-KODUNGALLUR-15044) *SWAP TOTAL:0.52 *SWAP CAPEX:0.5 *SWAP O&M:0.02	0.52	0.5	0.02	Masonry protection wall, Artificial grass mat landscaping, Handrail, Footpath(48sqm), Electrification, Rubble Masonry (494.29cum) *Latitude-10.225886 *Longitude-76.6342 *Area-40 cent
25	KUNNAMKULAM (M)	Kunnamkulam Municipality Childrens Park (KL-KUNNAMKULAM-15457) *SWAP TOTAL:0.3 *SWAP CAPEX:0.25 *SWAP O&M:0.05	0.3	0.25	0.05	Compound Wall, Fencing, Seating Benches around Trees, Toilet, Cleaning the well, Chequered Tile Footpaths(150sqm), Electrification, Water fountains, Automated irrigation systems, Playground equipments, Fencing etc *Latitude-10.648243 *Longitude-76.6342 *Area-45 cent
26	PARAPPANANGADI	Keeranallur Newcut 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, Furniture Footpath(2340.0sqm), *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	0.4370541	0.4170541	0.02	Landscape works, Compound Wall works, Washroom works,Security cabin, Children's Play Area, Gym equipment Spinkler, Garden lights, Sanitary & Water supply arrangements(LS), Entrance gate, Steel square portable ticket cabin, Electrical, Footpath(376.33sqm) *Latitude-11.8758 *Longitude-76.6342 *Area-24.96 cent
34	PANOOR	Panoor Municipality Children's Park at Peringathoor (KL-PANOOR-15053) *SWAP TOTAL:0.625 *SWAP CAPEX:0.6 *SWAP O&M:0.025	0.825	0.8	0.025	Landscape works, Compound Wall works, Security cabin, Children's play equipment Garden lights, Entrance gate, Electrification, Planting palette, Footpath(100.0sqm) *Latitude-11.71338889 *Longitude-76.6342 *Area-36.6 cent

35	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, Seesaw, 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)	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 &

		*SWAP TOTAL:0.086 *SWAP CAPEX:0.081 *SWAP O&M:0.005				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	KOZHICODE	Renovation of the Kozhikode Corporation Lion's park (KL-KOZHICODE-13708) *SWAP TOTAL:2.6 *SWAP CAPEX:2.25 *SWAP O&M:0.35	2.6	2.25	0.35	The proposal is to create a natural pond and beautify its surroundings, making it one of the major attractions of the children's park. The park is located at Kozhikode Beach, a popular destination within the city, frequented not only by local residents but also by visitors from surrounding districts and beyond. Elevated Walkway( Slides, Dangling Walk, Suspension Bridge with Hand Rope, Net Tunnel Bridge, Monkey Loops, Ladder Bridge with hand rope, Balancing Beam with Grip ropes, Three rope bridge, Tunnels, Tunnel Slides, Swings, Trampolines, Nepalese Rope Bridge, Parallel Ropes, Double pp rope) Play Kiosk(Playing House, Pairs, Ball Labyrinth, Four in a Row, Ball Wall) Children’s Toilet block STP *Latitude-11.26069926 *Longitude-76.6342 *Area-150 cent
44	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 Eathwork (3.92cum), Plantation, Footpath(144.0sqm), Public Amenities, Handrails, Bench etc *Latitude-11.178133 *Longitude-76.6342 *Area-26.69 cent
45	VADAKARA (M)	Cultural and Heritage park Near Old Bus stand (KL-VADAKARA-14725) *SWAP TOTAL:0.17	0.17	0.16	0.01	Open stage, Interlock Pavement, Gardens, Stone Benches, Waste Bin, Entrance, Handrail etc *Latitude-11.5969

		*SWAP CAPEX:0.16 *SWAP O&M:0.01				*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) ,Childrens park & Play area(Spiral Slide,Metal outdoor chair marry go round, swing ,slide, multi playstation ), benches, open gym, landscaping, toilet block, Compound wall ,Lawn, Parking area, Sculptures, landscape, Handrails , Entrance, Plantation *Latitude-12.320613 *Longitude-76.6342 *Area-30 cent
48	KASARAGOD	AMRUT 2.0 -Enhancement of Nellikunnu Beach at Kasaragod Municipality (KL-KASARAGOD-17366) *SWAP TOTAL:1.757 *SWAP CAPEX:1.607 *SWAP O&M:0.15	1.757	1.607	0.15	Landscaping, Pathway, Parking Area, Playing equipment, Solar lighting system, Lighting System, Entrance gate, Sitting benches, Food Court, Snack Bar, toilet blocks, Waste Bins, Signage's, Selfie Corners, Ticket Counter, Security Cabin,Bore Well, Fencing etc. *Latitude-12.505272 *Longitude-76.6342 *Area-36.82 cent
49	MUKKAM	Vrindavanam Park In Mukkam Municipality Division 14 (KL-MUKKAM-13797) *SWAP TOTAL:0.11 *SWAP CAPEX:0.1 *SWAP O&M:0.01	0.11	0.1	0.01	RCC Side wall, Concrete(50.74cum), walkways, benches, Landscaping, Seating arrangements, Footpath(225.0sqm), Waste Bin etc *Latitude-11.328639 *Longitude-76.6342 *Area-5.437 cent
50	MALAPPURAM (M)	AMRUT 2.0 -Green Park Development at Nechikutty-Malappuram Municipality (KL-MALAPPURAM-14900) *SWAP TOTAL:0.85 *SWAP CAPEX:0.75 *SWAP O&M:0.1	0.85	0.75	0.1	Landscaping, Footpath(1954.05sqm), Laterite masonry [166.0m <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 *SWAP O&M:0.05	0.45	0.4	0.05	Park Facilities [Earthwork(23.52cum), Rubble Masonry (RR= 3.18cum), Concrete (12.95cum), Solid Block (8.45cum)], Water Supply Arrangement, Footpath (611.0sqm), Landscaping, Toilet, Ticket Counter, Furniture, Electrification, etc *Latitude-10.67853 *Longitude-76.6342 *Area-37.81 cent
55	MANNARKKAD	Construction of Open gym and Children's Park at Mannarkkad municipality (KL-MANNARKKAD-14884) *SWAP TOTAL:0.26 *SWAP CAPEX:0.21 *SWAP O&M:0.05	0.26	0.21	0.05	Open Gym(Walker Single, Ski Trainer, ABB Trainer, Leg press cum standing twister, Chest press cum shoulder press), Children's Park(Spring Rider Elephant, Multi Seater See-saw, Swing, Merry Go Round), Gardening, landscaping, sitting area, street light. artworks, painting, waste bins, selfie spot, Eco Bench etc. *Latitude-10.988508 *Longitude-76.6342 *Area-10 cent
56	PALAKKAD (M)	Prasanth Nagar Park (KL-PALAKKAD-15140)	0.33	0.3	0.03	Clearing, Earthwork(70.29cum), Rubble Masonry(103.03cum),

		*SWAP TOTAL:0.33 *SWAP CAPEX:0.3 *SWAP O&M:0.03				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	NEDUMANGAD (M)	Construction of Elders Park near Kulavikonam pond (KL-NEDUMANGAD-15636) *SWAP TOTAL:0.114 *SWAP CAPEX:0.11068 *SWAP O&M:0.00332	0.114	0.11068	0.00332	Cleaning, Earthwork (87.5cum), 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>	

### **Decision to be Taken:**

The committee may recommend the following to the SHPSC:

- ❖ Issuance of Administrative Sanction for 128 Water Body Rejuvenation projects, totaling Rs.65.652Crore (CAPEX: Rs. 62.66 Crore; OPEX: Rs. 2.992Crore), and 65 Parks and Green Spaces Development projects, also totaling Rs.34.942 Crore (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, including religious pond rejuvenation, must serve the public interest and secure all

necessary regulatory clearances before commencement.

- Any costs exceeding the allocated SWAP amount must be funded by the respective Urban Local Bodies (ULBs).
- ULBs should implement measures to ensure that water bodies remain consistently clean and well-maintained.

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

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

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 Kottasher Public Pond in Ward 17 of Kottakkal Municipality” [Sl.No.2, Agenda 13.6].

### Decision to be Taken:

The SLTC may recommend 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 Rs0.637Cr. (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 (SHPS) decided that for AMRUT 1.0 cities, 75% of the tender excess amount should be borne by the ULB, with the remaining 25% covered by the State. For AMRUT 2.0 cities, 50% of the tender excess amount will be borne by the ULB, and the remaining 50% will be covered by the State.

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

ULB	Name of work	Reason	AS Amount (Lakh)	Revised AS Amount (Lakh)	Total Additional Amount (Lakh)	Tender Excess State Share (Lakh)	
						State	ULB
Eloor	AMRUT 2.0-Rejuvenation of Pattupurakkal pond in Eloor municipality AS: Rs.10.0 Lakh (Capex: Rs.8.1 Lakh;	Tender Excess - 4.35%.	10.00	10.383	0.383	0.192	0.191

	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						
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	Tender Excess	39.4	45.286	5.886	1.471	4.415

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	Ward 42 in Palakkad Municipality. AS: 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). Area: 67.7cent	6.04%- 2.306 Lakh Additional works-3.58 Lakh. Total Excess- Rs.5.886 Lakh					
Palakkad	AMRUT 2.0-Rejuvenation of Ardhanareesh pond in Ward 36 in Palakkad Municipality. AS: Rs.36.4Lakh (Capex: Rs.33.09 Lakh; O&M: Rs 3.31 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. <b>Revised AS required.</b> Rs.37.433Lakh(Capex:Rs.34.123Lakh; O&M: Rs.3.31 Lakh). Area: 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.AS: Rs.13.8Lakh (Capex: Rs.12.55 Lakh; O&M: Rs.1.25 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023. <b>Revised AS required.</b> Rs.14.512Lakh(Capex:Rs13.262Lakh; O&M: Rs.1.25 Lakh). Area: 26.2 cent	Tender Excess 6.18%	13.8	14.512	0.712	0.178	0.534

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

ULB	Name of work	Reason	AS Amount (Lakh)	Revised AS Amount (Lakh)	Excess Amount (Lakh)
Anthoor	Rejuvenation of Kunjukulam pond in Anthoor Municipality AS: Rs.176.5 Lakh (Capex: Rs.175.0 Lakh; O&M: Rs.1.5 Lakh) as per G.O (Rt) No. 1908/ 2023/ LSGD dated 26/09/2023 <b>Revised AS Required:</b> Rs.206.5 Lakh (Capex:Rs.205.0 Lakh; O&M: Rs.1.5 Lakh) Area: 250 cent	Additional works, including the footpath, handrail, electrification, and floating wetland, have been proposed. <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 AS: Rs.13.20 Lakh (Capex: Rs.12.0Lakh; O&M: Rs.1.2 Lakh) as	The amount earmarked for O&M has also been tendered and utilized for the work, therefore, an AS revision is required.	13.2	14.042	0.842

	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	<b>The excess amount required for these will be covered by the ULB's own funds.</b>			
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 A. S 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 to be Taken:**

**The Committee may recommend to the SHPSC the revision of Administrative Sanction for the projects, subject to the following conditions.**

- ❖ 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.**
- ❖ Allowing tender excess results in additional burdens on the Government, therefore, it would be prudent to assess each case on an individual basis.

**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 Nedumangadu 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.

**I. AMRUT-2.0 Pattambi Municipality-Augmentation of drinking water supply scheme:**

Details of Work	Reason
<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>● <b>AS Amount: Rs. 7.74 (CAPEX-7.04, OPEX-0.7)</b> [GO(Rt)No.1906/2023/LSGD date:26.09.2023]</li> <li>● <b>Revised AS Amount Required: Rs. 9.75 (CAPEX:8.75, OPEX:1)</b></li> <li>● <b>Additional Amount Required over AS: Rs.1.71 Cr.</b></li> </ul> <p><b>Council Resolution: No.02 dated 15.11.2024 (Annexure-6),</b> <b>Source of Fund:</b> 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> <li>❖ Revised estimate includes               <ul style="list-style-type: none"> <li>● Construction of 10.00 LL OHSR at Pattambi Municipality</li> <li>● Renovation of Existing Aerator, Flash Mixer Unit, and Water Channels</li> <li>● Renovation of Existing Clariflocculator, Filter Bed, Plant Building, Clear Water Pump House and Pumping Machinery, Pumping Main</li> <li>● 1000 House Connections</li> <li>● Design, and Construction of 1.35 LL RCC Sump and</li> </ul> </li> </ul>



	<p>Placing 1 MLD Plate Settler Plant Above the Sump</p> <ul style="list-style-type: none"> <li>• Design, Supply, Installation, Trial Running, and Commissioning of 1 MLD WTP Based on Flash Mixer, Lamella Clarifier, and Dual Media Filter at Pattambi Municipality.</li> </ul> <p>❖ MD KWA has recommended the revision of AS vide letter No.KWA-JB/254/2024-AE 10 dated 4.12.2024.(Annexure-6),</p>
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**II. AMRUT-2.0 -UWSS to Kottarakkara Municipality -Design and construction of 9LL OHSR at Eyyamkunnu in Kottarakkara Municipality:**

Details of Work	Reason
<p><b>Name of the Work: AMRUT 2.0-UWSS to Kottarakkara Municipality -Design and construction of 9LL OHSR at Eyyamkunnu 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 (Annexure-7). <b>Source of fund:</b> 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 Eyyamkunnu 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>

**III. AMRUT-2.0 -Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline and providing FHTCs in Taliparamba:**

Details of Work	Reason
<p><b>Name of the Work: Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline, and providing FHTCs in Taliparamba.</b></p> <p>AS Amount: 6.914 Cr (CAPEX-6.414 Cr, OPEX-0.5 Cr [G.O.(Rt)No.2906/2022/LSGD Dated:24-11-2022]</p> <p><b><u>Package 1: Construction of a 1 LL OHSR at Pulimparamba, including the supply and laying of the distribution network and the provision of FHTCs (General civil work)</u></b></p> <ul style="list-style-type: none"> <li>• TS Amount- Rs. 5.09 Cr.</li> <li>• Tendered PAC (TPAC with GST): Rs. 5,01,56,367.28 /-</li> </ul>	<ul style="list-style-type: none"> <li>❖ The work involves construction of a 1LL OHSR at Pushpagiri, 1 LL Pulimparamba, laying distribution pipeline and providing FHTCs.</li> <li>❖ 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)</li> <li>❖ Both works have been awarded and in progress.</li> <li>❖ The council held on 11.05.2023 vide Resolution No.3 (Annexure-8) decided to request for revising the AS and to meet 50% of the amount due to tender excess by the</li> </ul>

<ul style="list-style-type: none"> <li>• <b>Local Market Rate (LMR) Amount:</b> Rs. 4,62,21,267</li> <li>• <b>Current SoR + 10%:</b> Rs. 4,67,55,936 /-</li> <li>• <b>Lowest Quoted Amount after negotiation:</b> Rs. 4,62,03,273(8.70 % &gt; TPAC) (Least of the above 2)</li> <li>• <b>No. of times tendered-2 times</b></li> <li>• <b>Accepted PAC + GST @ 18%:</b> 5,45,19,862.14 /-</li> <li>• <b>Tender excess – Rs.36,97,877 /-</b></li> <li>• <b>Water connection charges - Rs. 6,73,696 /-</b></li> <li>• <b>Revised Amount required for Package 1:</b> 5,51, 93, 558.14 (A)</li> <li>• <b>Excess Amount required-</b> Rs 42.94 lakhs</li> </ul> <p><b><u>Package 2: Construction of a 1 LL OHSR at Pushpagiri, including the supply and laying of the distribution network and the provision of FHTCs (General civil work)</u></b></p> <ul style="list-style-type: none"> <li>• <b>TS Amount-</b> Rs. 1.14 Cr.</li> <li>• <b>Awarded Amount-</b> Rs. 1.0659 Cr.(B) (Tender savings)</li> </ul> <p>❖ <b>Revised AS Amount Required:</b> Rs. 6.58525 Cr. (CAPEX) A+B</p> <p>❖ <b>The total excess amount required-</b> 17.125 Lakhs</p> <p><b><u>Revised AS Amount:</u></b> Rs.7.08525 Cr. (CAPEX- 6.58525 Cr., OPEX- 0.50)</p> <p>❖ <b>Source of Fund:</b></p> <ul style="list-style-type: none"> <li>• <b>Tender excess:</b> Rs. 36,97,877.00</li> <li>• <b>State Share:</b> Rs.18,48,938.5</li> <li>• <b>ULB Share:</b> Rs.18,48,938.5</li> </ul>	<p>ULB.</p> <p>❖ Vide letter no. KWA-No: KWA-JB/3253/2023-AE10 dated 28.12.2024 (<b>Annexure-8</b>), the MD, KWA has recommended the revision of AS.</p>
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#### IV. AMRUT-2.0 -WSS to Vatakara Municipality

Details of Work	Reason
<p><b>Name of the Work:</b> AMRUT-2.0 -WSS to Vatakara Municipality: (Total 4 packages) <b>AS Amount:</b> 15.777 (CAPEX-15.027, OPEX-0.75) [GO(Rt)No.473/2023/LSGD date:23.02.2023]</p> <p><i><u>Package 1:AMRUT-2.0 -Design and Construction of 10 LL capacity OHSR at Veerancheri, Replacing Valves of Various Sizes in Distribution Line. Providing Online Boosting Arrangement for Paikkattumala, Replacing old and damaged AC pipes with PVC pipes of various sizes and Interconnection with branch lines</u></i></p> <ul style="list-style-type: none"> <li>• <b>TS Amount-</b> Rs. 5.06 Cr.</li> <li>• <b>Tendered PAC (TPAC with GST):</b> Rs. 5,05,29,604.82 /-</li> <li>• <b>Local Market Rate (LMR) Amount:</b> Rs. 5,65,08,242.32 /-</li> <li>• <b>Current SoR + 10%:</b> Rs. 4,71,03,869.38 /-</li> <li>• <b>Lowest Quoted Amount after negotiation:</b> Rs. 4,67,90366.00 /-</li> </ul>	<ul style="list-style-type: none"> <li>❖ The work involves construction of a 10 LL OHSR at Veerancheri, 20 LL Capacity OHSR at Puthiyappu, Renovation of Existing 13 MLD Water Treatment Plant at Kappumala, commissioning of 750 KVA Transformer at RWPH Koorangottukadavu, providing 3150 FHTCs, Replacement of damaged AC pipes</li> <li>❖ The work has been split to four Packages. All works have been awarded and in progress.</li> <li>❖ The council held on 19.08.2023 vide Resolution No 02 decided to</li> </ul>

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<p>(9.27 % &gt; TPAC) (Least)</p> <ul style="list-style-type: none"> <li>No. of times tendered-1 times</li> <li>Accepted PAC + GST @ 18%: <b>5,52,12,631.88/-</b></li> <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><u>Package 2: AMRUT-2.0 - WSS to Vadakara Municipality - Construction of 20 Lakh Litre Capacity OHSR at Puthiyappu, Rehabilitation of Existing Components, Extension of Pipelines and Providing FHTCs -General Civil Work.</u></b></p> <ul style="list-style-type: none"> <li>TS Amount- <b>Rs. 8.50 Cr.</b></li> <li>Tendered PAC (TPAC with GST): <b>Rs. 8,22,68,276.04</b> /-</li> <li>Local Market Rate (LMR) Amount: <b>Rs. 7,61,89,576.13</b> /-</li> <li>Current SoR + 10%: <b>Rs. 7,66,90,766.02/-</b></li> <li>Lowest Quoted Amount after negotiation: Rs. 7,49,86602.00(7.56 % &gt; TPAC) (Least)</li> <li>No. of times tendered-2 times</li> <li>Accepted PAC + GST @ 18%: <b>Rs. 8,84,84,190.36/-</b></li> <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><u>Package 3: AMRUT-2.0 - WSS to Vadakara Municipality -Supply erection testing commissioning of 750 KVA Transformer at RWPH Koorangottukadavu (Revised)-General Civil Work.</u></b></p> <ul style="list-style-type: none"> <li>TS Amount- <b>Rs. 2.90 Cr.</b></li> <li>Tendered PAC (TPAC with GST): <b>Rs. 26,45,387.72</b> /-</li> <li>Local Market Rate (LMR) Amount: <b>Rs. 23,36,244.25</b></li> <li>Current SoR + 10%: <b>Rs. 24,66,039.76/-</b></li> <li>Lowest Quoted Amount after negotiation: <b>Rs. 23,36,212.00</b> (4.20 % &gt; TPAC) (Least)</li> <li>No. of times tendered-3 times</li> <li>Accepted PAC + GST @ 18%: <b>27,56,730.16/-</b></li> <li>Tender excess – Rs.1,11,342.44 /-(9.31% excess)</li> <li><b>Revised Amount required for Package 3: 27,56,730.16</b></li> </ul> <p><b><u>Package 4: AMRUT-2.0 - WSS to Vadakara Municipality - Renovation of Existing 13 MLD Water Treatment Plant at Kappumala-General Civil Work</u></b></p> <ul style="list-style-type: none"> <li>TS Amount- <b>Rs. 1.10 Cr.</b></li> <li>Tendered PAC (TPAC with GST): <b>Rs. 1,02,46,233.82</b> /-</li> <li>Local Market Rate (LMR) Amount: <b>Rs. 94,79,282.50</b></li> <li>Current SoR + 10%: <b>Rs. 95,51,574.10/-</b></li> <li>Lowest Quoted Amount after negotiation: Rs. 94,79,199.00(9.16 % &gt; TPAC) (Least)</li> <li>No. of times tendered-2 times</li> <li>Accepted PAC + GST @ 18%: <b>Rs.1,11,85,454.82/-</b></li> <li>Tender excess – <b>Rs.9,39,221.00</b> /-(9.95% excess)</li> <li><b>Revised Amount required for Package 4: Rs.1,11,85,454.82</b></li> </ul>	<p>request for AS revision.(Annexure-9)</p> <ul style="list-style-type: none"> <li>❖ Recommendation of MD KWA is awaited.</li> </ul>
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<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: Rs. 16,07,52,707(CAPEX)</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>	
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**V. AMRUT-2.0 UWSS to Nedumangad Municipality- Replacing undersized and old dilapidated pipelines and providing FHTCs in Nedumangad:**

Details of Work	Reason
<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>• <b>AS Amount: Rs. 10.80 Cr. (CAPEX: 10.289 Cr., OPEX: 0.515 Cr.[G.O.(Rt)No.473/2023/LSGDdate:23.02.2023]</b></li> <li>• <b>Revised AS Amount Required: Rs. 11.681 (CAPEX:11.165 Cr., OPEX: Rs. 0.515 Cr.)</b></li> <li>• <b>Additional Amount Required over AS: 87.65 lakhs.</b></li> <li>• <b>Council Resolution: No.12 dated 30.11.2024 (Annexure--10).</b></li> </ul> <p><b>Source of Fund:</b></p> <ul style="list-style-type: none"> <li>• <b>No additional financial commitment due to this. The excess amount can be met from the tender savings of the sub-projects</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ The work involves providing Functional Household Tap Connections (FHTCs), laying pipelines, and enhancing water supply in low-pressure areas using booster pumps.</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> <ul style="list-style-type: none"> <li>❖ 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</li> </ul>

	under Package 5 have been completed. The recommendation of the Managing Director, KWA, on this matter is awaited.
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**Decision to be Taken:**

The Committee may accord sanction for the revision of the Administrative Sanction for the following water supply projects and recommend 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.**
- ❖ **Taliparamba Municipality: *AMRUT-2.0 -Construction of OHSRs at Pushpagiri and Pulimparamba, laying distribution pipeline and providing FHTCs* to Rs.7.0853 Cr. (CAPEX-6.5853 Cr., OPEX- 0.50), due to tender excess of 8.7% above the TPAC on condition that 50% of the amount due to tender excess (Rs.36.979 lakhs) may be met by the ULB, and the balance 50 % to be met by the State.**
- ❖ **Vadakara Municipality: *AMRUT-2.0 -WSS to Vadakara Municipality* to Rs.16.83 Cr. (CAPEX- 16.08 Cr., OPEX- 0.75) due to tender excess and on condition that 50% of the amount due to tender excess (Rs.1.195 Cr.) may be met by the ULB, and the balance 50 % to be met by the State, subject to the recommendation of the Managing Director, KWA.**
- ❖ **Nedumangad Municipality: *UWSS to Nedumangad Municipality- Replacing undersized and old dilapidated pipelines and providing FHTCs in Nedumangad* to Rs. 11.681 (CAPEX:11.165 Cr., OPEX: Rs. 0.515 Cr.) without any additional financial commitment and the excess amount should be met from the tender savings in the sub-projects.**
- ❖ **Given that the overall project cost is within the sanctioned limit, it is recommended that this procedural lapse from the KWA in issuing a TS for an amount exceeding the AS amount be condoned and ratified.**

**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 CAPEX(Cr)	Revised AS Amount CAPEX (Cr)	Total Additional Amount (Cr)	Tender Excess State Share (Cr)	
						State	ULB
Kothamangalam	<p><b>Puthuppadi drinking water scheme</b></p> <p><b>AS Amount: 1.019 Cr. (Capex 0.97 Cr. + Opex- 0.049 Cr.)</b> [G.O.(Rt)No.1909/2023/LSGD; Dated-26-09-2023]</p> <ul style="list-style-type: none"> <li>• <b>TS Amount:0.97 Cr</b></li> <li>• <b>Tendered PAC (TPAC with GST): Rs. 82,14,588 /-</b></li> <li>• <b>Local Market Rate (LMR) Amount: Rs. 93,28,799/-</b></li> <li>• <b>Current DSR + 10%: Rs. 90,36,497 /-</b></li> <li>• <b>Lowest Quoted Amount after negotiation: Rs.87,66,151</b></li> <li>• <b>No. of times tendered-2 times</b></li> <li>• <b>Accepted PAC + GST @ 18%: 1,03,44,058.2/-</b></li> <li>• <b>Tender excess – Rs.6,50,844 /- (6.714% excess)</b></li> <li>• <b>Excess Amount required- 6,44,058 from AS</b></li> <li>• <b>Revised AS Amount: Rs.1,08,34,058.2 (Capex-1,03,44,058.2, Opex-4,90,000)</b></li> </ul> <p>Council decided to meet 50% of the tender excess vide Council Decision: No. 26 dated 30.10.2024. <b>(Annexure--11)</b></p>	Tender Excess – 6.714%.	0.97	1.034	0.064	0.0325	0.0325

Kothamangalam	<p><b>Valiyapara drinking water scheme</b></p> <p><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]</p> <ul style="list-style-type: none"> <li>• <b>TS Amount:</b>1.42 Cr</li> <li>• <b>Tendered PAC (TPAC with GST):</b> Rs. 14166047.5 /-</li> <li>• <b>Local Market Rate (LMR) Amount:</b> Rs. 13516706.26/-</li> <li>• <b>Current DSR + 10%:</b> Rs. 13206229.67 /-</li> <li>• <b>Lowest Quoted Amount after negotiation:</b> Rs.1,31,24,133 (Least)</li> <li>• <b>No. of times tendered-2 times</b></li> <li>• <b>Accepted PAC + GST @ 18%:</b> 15486476.9/-</li> <li>• <b>Tender excess – Rs.1320429.4/-(9.32% excess)</b></li> <li>• <b>Excess amount required:</b> 12,86,476.9 from AS</li> </ul> <p><b>Revised AS Amount: Rs.1, 61, 96, 476.9 (Capex -1, 54, 86, 476.9/- Opex – 7,10,000/)</b></p> <p>Council decided to meet 50% of the tender excess vide Council Decision: No. 19 dated 18.11.2024. <b>(Annexure--12)</b></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></p> <p><b>AS Amount: 1.748 Cr (Capex 1.665 Cr. + Opex- 0.083 Cr.) [G.O.(Rt) No. 1909/2073 /LSGD Dated-26-09-2023]</b></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 – Rs 15,74,860/- (9.46 %)</b></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. <b>(Annexure--13)</b></p>	Tender Excess - 9.46 %	1.665	1.822	0.157	0.079	0.079
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**Decision to be Taken:**

**The Committee may accord sanction for the revision of the Administrative Sanction for the following Micro water supply projects in Kothamangalam ULB and recommend 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	Kakkayapprath 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 Suvaradhara 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. <b>(Annexure-14)</b>

2	Sreekanadapuram	Payattuchal DWSS ID-KL- SREEKANDAPU RAM-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..(Annexure-14)
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**Decision to be Taken:**

The SLTC may recommend the cancellation of the following Micro water supply projects to the SHPSC:

- ❖ **Kakkayaprath Koovappadi water supply Scheme in Panoor Municipality under Tranche I - Rs. 0.295 Cr. [Capex; Rs.1.50 Cr; O&M Rs 1.650 Cr.]**
- ❖ **Nediyenga PHC DWSS in Sreekanadapuram Municipality under Tranche I - Rs. 1.650 Cr. [Capex; Rs.1.500 Cr; O&M Rs 0.150 Cr.]**
- ❖ **Payattuchal DWSS in Sreekanadapuram Municipality under Tranche I - Rs. 2.200 Cr. [Capex; Rs.2.000 Cr; O&M Rs 0.2 Cr.]**
- ❖ **For all the canceled micro - water supply projects, the replacement has to be placed within 3 months' time, or else, the funds will be diverted for other 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:(Annexure-15)

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

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

***Project Overview***

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

**1. Muchickal Drinking Water project:**

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

**2. Kottaram Drinking Water project**

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

**3. Karthala Drinking Water project: -**

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

**4. Nirappu Drinking Water project: -**

- 4m diameter well & at the depth of 8 m from ground level.
- FHTC-100 Nos
- PUMPING MAIN TO OVERHEAD TANK - 50MM – 775 metre
- OVERHEAD PVC WATER TANK Capacity of 10000 litre in steel structure-4. MOTOR - 10HP.
- DISTRIBUTION LINE - 75mm 450 m length
- Feasibility from Ground Water Authority Obtained
- Project cost-48 Lakhs

**5. Thazhathangady Drinking Water project: -**

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

## SUMMARY OF THE PROPOSED PROJECT:

<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>Distributi on 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 to be Taken:

**The SLTC may accord the Administrative Sanctions for the five Micro projects of Valancherry Municipality under SWAP3 amounting to a total Project Cost of Rs. 5.17 Cr.(CAPEX Cost- Rs. 4.92 Cr & O & M Cost 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. Prior approval of the Chairman, Wadakkanchery Municipality is attached as Annexure 16.

<b>Sl. No.</b>	<b>ULB</b>	<b>Name of Project</b>	<b>SWAP No.</b>	<b>Capex in Cr.</b>	<b>O&amp;M in Cr.</b>	<b>Project Cost in Cr.</b>
1	Wadakkanchery	AMRUT 2.0 Wadakkanchery Municipality Neeliara Drinking water scheme.	1	4.075	0.400	4.475

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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 to be Taken:**

**The SLTC may accord a conditional AS for the following three Micro water supply projects of Wadakkanacherry municipality. If the proposed construction of an open/dug well and its yield testing/analysis fail/are not satisfactory for the micro water supply scheme, Wadakkanchery Municipality should pay the amount/ cost involved from its own funds for the construction of open wells.**

- ❖ **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.

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- 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	Thirvananthapuram	Muttathara	107	Non-AMRUT	207.5
2	Thirvananthapuram	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 to be Taken:**

**The committee may approve the action taken and take note of the current status. The committee may approve the formation of a Water Resource Recovery Cell for the State as stipulated in the conditions of fund release under Jal Hi Amrit, comprising of 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.**

**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. The approved list of projects is attached as [Annexure-17](#).

**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. The list of projects is attached as [Annexure-18](#).

**Decision to be Taken:**

- ❖ **The Committee may take note of the Progress of AMRUT MITRA Phase 1.**
- ❖ **The Committee may direct the Secretaries and NULM to take necessary steps to expedite the progress of Phase 1 & 3-MITRA and also to issue the work orders for all the Phase 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

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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>Wifi 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 to be taken**

**The Committee may review the status of the implementation of AMRUT 2.0 reforms. The Committee may recommend to the SHPSC for approval to upload and submit the relevant details and supporting documents for the following reforms on the AMRUT 2.0 portal in order to claim eligible incentives.**

- ❖ **Online Grievance redressal and municipal service delivery.**
- ❖ **Waterbody Rejuvenation.**
- ❖ **GIS based mapping of properties for collection of property tax on AMRUT 2.0 collaboration portal.**

**Agenda Item No. 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 to be taken**

**The Committee may take note of the activities 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 Continuous effluent Monitoring System(OCEMS). The system is cloud-based which is able to configure, control and assist the infrastructure via an online interface flexibly and independently.
3	Ecodew Pure Water Solutions	Solving Existing Problems in MBBR systems	URBAN USED WATER 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.
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**Decision to be taken**

- ❖ **The Committee may take note of the 3rd Start Up Challenge.**
- ❖ **The Committee may recommend to SHPSC for the approval of the process of selection of Start Ups by the State Level Start Up Screening Committee.**

**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;

S.L.N O	ULB	PROJECT	TYPE	COST (in Cr)	SANCT IONED 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 ,	Liquid Waste Manageme nt	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

		Attukal part) & zone 5 (Ambalathara part)					
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, (**Annexure-19**) 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 (**Annexure-20**), **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, (**Annexure-21**) **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 to be taken:**

- ❖ The Committee may approve the action taken and also take note of the Progress of the UIDF tranche 1 & tranche 2.
- ❖ The Committee may designate a nodal office under the LSGD to look into all matter relate 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

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

As per letter no. E7/79579/2021 dated 04.01.2025 (Annexure-22) the Secretary, Thiruvananthapuram Corporation, requested to place the agenda for approval of the work, ‘Construction of Effluent Treatment Plant at the KSRTC Depot at 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 approval given by the Hon’ble Mayor.</li> </ul>	<ul style="list-style-type: none"> <li>• The project is proposed to be taken up for preventing 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 pe the proposal submitted by the Chairman, KSRTC, the estimated cost of the project is ₹4163899.25.</li> <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>	<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> <li>○ TS Amount: ₹1.833 Cr.</li> <li>○ <b>Savings Available:</b> ₹0.537 Cr.</li> </ul>

**Decision to be Taken:**

**The committee may take a suitable decision on recommending the following to the SHPSC:**

- ❖ **Approval of implementing the project, 'Construction of Effluent Treatment Plant at the KSRTC Depot at 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 of ₹0.1388 Cr. and O&M Cost shall be borne by the KSRTC**
- ❖ **Approval for depositing the amount (Central & State Share) of ₹0.2776 Cr. to the KSRTC.**

  
Mission Director, AMRUT