

**Minutes of the 9<sup>th</sup> State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT 2.0) held on 02<sup>nd</sup> August 2024 at 03:30 PM by the Chief Secretary, Government of Kerala in his Committee Room.**

The meeting of the 9<sup>th</sup> State Level High Powered Steering Committee (SHPSC) of AMRUT 2.0, chaired by Dr. V. Venu IAS, Chief Secretary, Government of Kerala commenced at 03:30 PM. (List of participants is attached as Annexure-1).

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

**Agenda Item No.9.1: APPROVAL OF MINUTES OF THE 8<sup>th</sup> MEETING OF SHPSC:**

The minutes of the 8<sup>th</sup> SHPSC meeting of AMRUT 2.0 held on 06<sup>th</sup> February 2024.

**Decision Taken:** The Committee approved the minutes of the 8<sup>th</sup> SHPSC meeting.

**Agenda Item No.9.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 8<sup>th</sup> SHPSC MEETING OF AMRUT 2.0**

Agenda Item	Action Taken	Decision Taken
Agenda Item No.8.3: PROGRESS OF AMRUT 2.0	<p>In the 12th State Level Technical Committee (SLTC) meeting, the actions taken were reviewed and decided as follows:</p> <p><b>Micro Water Supply Scheme:</b></p> <ul style="list-style-type: none"><li>◆ 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) Wadakkancherry (3 Projects). The Mission Director has conveyed that the unviable projects should be cancelled by the ULB with</li></ul>	<p><b>Micro Water Supply Scheme:</b></p> <ul style="list-style-type: none"><li>◆ Noted</li></ul> <p><b>Kasargod Development Package:</b></p> <ul style="list-style-type: none"><li>◆ KWA informed that a comprehensive scheme for Kasargod district including Neeleswaram and Kanhangad 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 Kasaragod water supply project from AMRUT.</li></ul> <p><b>Appointment of Administrative Officer &amp; Accounts Officer-</b></p> <ul style="list-style-type: none"><li>◆ The Committee decided not to fill the positions of</li></ul>

Agenda Item	Action Taken	Decision Taken
	<p>proper written intimation to AMRUT Mission.</p> <ul style="list-style-type: none"> <li>❖ In accordance with the above, the Nileswaram ULB vide letter No: 10676/21 has cancelled The Kizhakkera and Kadinhikuzhi project, Idichudi Project, Neelai project and Palayi projects through council resolution and has intimated this office about the cancellation of above four projects.</li> </ul> <p><b>Kasargod Development Package:</b></p> <ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Due to the limitation of the AMRUT fund, the Committee decided to recommend the SHPSC to drop, the proposal for Kasaragod package from AMRUT.</li> </ul> <p><b>Appointment of Administrative Officer &amp; Accounts Officer</b></p> <ul style="list-style-type: none"> <li>❖ The above-said post is canceled due to insufficient administrative and office expenses funds.</li> </ul> <p><b>Setting up of PMU for KWA:</b></p> <ul style="list-style-type: none"> <li>❖ KWA informed that a proposal for 416 KWA volunteers for the whole Kerala AMRUT 2.0 works with a monthly financial commitment of ₹ 98 lakhs is ready for submission.</li> <li>❖ Due to the limitations of the Administrative &amp; Other Expenses (A&amp;OE) fund, the Committee has recommended revising the proposal to reflect the distribution of work based on the respective divisions and circles.</li> </ul>	<p>Administrative Officer &amp; Accounts officer due to the additional financial burden.</p> <p><b>Setting up of PMU for KWA:</b></p> <ul style="list-style-type: none"> <li>❖ KWA informed that a revised proposal for KWA volunteers for AMRUT 2.0 works has been resubmitted.</li> <li>❖ <b>The Committee instructed the Mission Director AMRUT to examine the same and finalize.</b></li> </ul>
Agenda Item No.8.4: APPROVAL OF SWAP-3 PROPOSALS – SEWERAGE & SEPTAGE SECTOR - PALAKKAD MUNICIPALITY	The approved SWAP-3 sewerage proposals will be submitted to the MoHUA after finalizing the entire SWAP-3 proposals. Balance SWAP-3 proposals are placed in this committee for approval.	Noted
Agenda Item No.8.5: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III- SWAP-3 PROPOSALS - REJUVENATION OF WATER BODIES AND DEVELOPING GREEN	SWAP-3 proposals will be submitted to the MoHUA after finalizing the total SWAP3. New proposals for SWAP 3 have been placed before the Committee for approval.	Noted

Agenda Item	Action Taken	Decision Taken
SPACES AND PARKS PROJECTS		
Agenda Item No.8.6: ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2	❖ GO was issued vide GO (Rt) No. 486/2024/LSGD dated 01.03.2024. Tender process has started.	Noted
Agenda Item No.8.7: CANCELLATION OF WATERBODY REJUVENATION PROJECTS APPROVED UNDER THE 2nd TRANCHE OF SWAP AND REPLACEMENT WITH NEW PROJECTS	❖ Cancellation and replacement proposals have been submitted to MoHUA. Administration Sanction proposals for 16 projects have been placed in this SHPSC. Necessary changes have been done on the portal by the MoHUA.	Noted
Agenda Item No.8.8: AMRUT 2.0 - WATER SUPPLY SECTOR - REVISION OF ADMINISTRATIVE SANCTION FOR 16 PROJECTS	❖ The revised administrative sanction for 14 water supply projects was accorded vide GO(Rt) No.559/2024/LSGD dated 07.03.2024.	Noted
Agenda Item No. 8.9: AMRUT 2.0 - SANCTION FOR THE RELEASE OF ₹ 10 Cr. UNDER THE REFORM INCENTIVE COMPONENT OF THIRUVANANTHAPURA M CORPORATION	<p>In the 12th State Level Technical Committee (SLTC) meeting, the actions taken were reviewed and decided as follows:</p> <p>❖ 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.</p> <p>❖ KWA informed that they have prepared proposals for NRW reduction in certain city areas. The Committee observed that the approved reforms incentive funds are specifically allocated for the Thiruvananthapuram Corporation.</p> <p>❖ The committee instructed the KWA, the Secretary of Thiruvananthapuram Corporation, and AMRUT to prepare a viable proposal jointly.</p> <p>❖ After the SLTC decision, a proposal for “Drainage Planning &amp; Water Conservation Measures, Including Flood Mitigation,” for Thiruvananthapuram city has been submitted by the Secretary of the Thiruvananthapuram</p>	<p><b>The Committee suggested for 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.</b></p>

Agenda Item	Action Taken	Decision Taken
	<p>Corporation. The total amount requested for the flood mitigation initiative is ₹10 crore.</p> <p><b>SMMU OBSERVATION:</b></p> <ul style="list-style-type: none"> <li>❖ The Ministry of Housing and Urban Affairs (MoHUA) sanctioned Rs. 10 crore as reform incentives for Thiruvananthapuram Corporation and directed that the incentive be used exclusively for the following purposes: <ul style="list-style-type: none"> <li>• Property Tax Mapping through Drone Based Survey or other latest technologies.</li> <li>• Drainage Planning and Water Conservation measures, including urban flood prevention.</li> <li>• Reduction in Non-Revenue Water (Introduction of Smart Elements).</li> <li>• Mechanized Sewage/Septage cleaning.</li> <li>• Installation of drinking water outlets in public areas.</li> </ul> </li> <li>❖ The 8th State High Powered Steering Committee (SHPSC) directed the Secretary of Thiruvananthapuram Corporation and the Managing Director of Kerala Water Authority (KWA) to submit proposals for: <ul style="list-style-type: none"> <li>• Property Tax Mapping through Drone Based Survey or other latest technologies.</li> <li>• Reduction in Non-Revenue Water (Introduction of Smart Elements).</li> <li>• Acquisition of mechanized sewage/septage cleaning equipment.</li> </ul> </li> <li>❖ The proposal for "Drainage Planning &amp; Water Conservation measures including flood mitigation" in Thiruvananthapuram city has been submitted by the Secretary of Thiruvananthapuram Corporation, with a total budget of Rs. 10 crore for flood mitigation.</li> <li>❖ The proposal aims to prevent floods in Vettukadu, Karikkakam, and Medical College through the construction of stormwater drainage systems. These areas are currently prone to flooding, and Thiruvananthapuram Corporation faces significant annual expenditures on flood relief packages. The proposal underscores both immediate and long-term benefits of investing in urban flood prevention measures.</li> </ul>	

Agenda Item	Action Taken	Decision Taken
	<ul style="list-style-type: none"> <li>❖ The State Mission Management Unit (SMMU) remarks that "Drainage Planning &amp; Water Conservation measures including flood mitigation" is an admissible activity specified by MoHUA. Therefore, the proposal submitted by Thiruvananthapuram Corporation merits consideration.</li> </ul>	
Agenda Item No. 8.10: FORMULATION OF GIS BASED MASTER PLAN UNDER AMRUT 2.0 - RELEASE OF THE 1st INSTALLMENT (20% OF THE APPROVED COST)	<p>The Chief Town Planner (Planning) has submitted the action plan for the implementation of GIS-based Master Plan for the 49 selected cities to SMMU and a detailed presentation has been done.</p>	<b>Noted</b>
Agenda Item No. 8.11: AMRUT REFORM INCENTIVES - DISTRIBUTION TO ULBs	<p>The approved funds have been released to Guruvayur (₹ 1.66 Cr), Palakkad (0.73 Cr), Kannur (1.78 Cr), and Alappuzha (0.75 Cr) for the ULB share.</p>	<p><b>The Committee noted the action taken.</b></p> <p><b>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.</b></p>
Agenda Item No. 8.12: PERMISSION FOR UTILIZING THE REFORM INCENTIVE FUNDS UNDER AMRUT FOR IMPLEMENTING LOCAL AREA PLANS (LAP) IN FIVE CITIES AND OPENING OF SEPARATE BANK ACCOUNT AT STATE LEVEL & IMPLEMENTING AGENCIES LEVEL	<ul style="list-style-type: none"> <li>❖ A separate Savings Bank Account in the name of the Chief Town Planner (Planning) has been opened for the preparation of a Local Area Plan for 5 cities.</li> <li>❖ The approved funds (158 lakhs) have been released to the Savings Bank Account of the Chief Town Planner (Planning).</li> <li>❖ The Plan of Action for the implementation of the Local Area Plan of Kollam, Ernakulam, Palakkad, Thrissur, and Kozhikode has been submitted by the Chief Town Planner (Planning).</li> </ul>	<b>Noted</b>
Agenda Item No. 8.13: KERALA URBAN POLICY COMMISSION - APPROVAL TO MEET THE EXPENSES FROM AMRUT REFORMS INCENTIVES	<ul style="list-style-type: none"> <li>❖ Earmarked an amount of ₹ 4 Cr from the reforms incentives funds of AMRUT for the activities for the preparation of Urban Policy Commission.</li> <li>❖ The Government Order-G.O.(Rt)No.511/2024/LSGD Dated, 02-03-2024 accorded sanction to meet the expenditure for the first Urban Policy Commission meeting conducted on 4-7</li> </ul>	<p><b>The Principal Secretary informed that the second Urban Policy Commission meeting is scheduled from 4<sup>th</sup> to 7<sup>th</sup> September 2024</b></p>

Agenda Item	Action Taken	Decision Taken
	<p>March 2024, from the AMRUT Reforms incentive fund by SMMU, AMRUT and directed to release the balance amount after deducting this expense from the 4 Cr to the separate bank account for Urban Policy Commission opened by the Principal Director.</p> <ul style="list-style-type: none"> <li>❖ Based on the Government order SMMU had met the expenses of the 1st physical meeting of the members of the Urban Policy Commission and the balance amount of ₹ 3,79,20977/- has been transferred to the Bank account opened by the Principal Director.</li> </ul>	
<p>Agenda Item No. 8.14: UTILIZATION OF URBAN INFRASTRUCTURE DEVELOPMENT FUND (UIDF) FOR STATE SHARE OF AMRUT 2.0</p>	<p>In the 12th State Level Technical Committee (SLTC) meeting, the actions taken were reviewed and decided as follows:</p> <ul style="list-style-type: none"> <li>❖ A detailed project proposal amounting to Rs.483.85 Cr for the FY 2023-2024 as a one-time dispensation for availing the UIDF loan for the State share of ongoing AMRUT 2.0 projects is submitted and awaiting onward submission to the NHB portal.</li> <li>❖ The normative allocated amount for the State of Kerala under the UIDF scheme is Rs.388.05 Cr. and 17 proposals from 13 ULBs were submitted in the UIDF NHB portal by the Finance Department amounting s.390.12 Cr. Out of these 9 proposals were accepted by the NHB for an amount of Rs.233.67 Cr. A loan amount of Rs.118.75 Cr for 3 proposals with a project cost of Rs.162.5 Cr is sanctioned by NHB. The details are given below and balance 6 proposals are under processing.</li> </ul> <p>The following three projects were sanctioned by NHB:</p> <ul style="list-style-type: none"> <li>❖ Sewerage Management Proposal for Thiruvananthapuram Corporation Area in Cluster-1, Zone 1&amp;2- Attukal (Part), Kalady (Part) &amp; Ambalathara (Part) for a loan amount of ₹ 66.63 Cr. (Project Outlay – ₹ 91.0 Cr)</li> <li>❖ Sewerage Management Proposal for Thiruvananthapuram Corporation Area in Cluster-1, Zone 3&amp;4- Attukal part &amp; Kalady part for a loan amount of ₹ 47.62 Cr (Project outlay – ₹ 66.50 Cr)</li> <li>❖ Solid Waste Disposal Plan - Construction of MCFs and Installation of Fully Automatic</li> </ul>	<p><b>Noted</b></p>

Agenda Item	Action Taken	Decision Taken
	<p>Organic Waste Composting Machine of 5000 Kg Capacity at 3 locations using OWC Machines and MCF at 3 locations for a loan amount of ₹ 4.50 Cr. (Project Outlay is ₹ 5 Cr)</p> <p>The committee took note of the status and directed the Mission Director to follow up with the Finance Department for the State share of ongoing AMRUT 2.0 projects amounting to ₹ 483.85 Cr for the FY 2023-2024 as a one-time dispensation.</p>	
Agenda Item No. 8.15: PROJECT MANAGEMENT SOFTWARE FOR AMRUT PROJECT MONITORING	<ul style="list-style-type: none"> <li>❖ The development of the PMS is almost completed. Training on the same was held on 24.07.2024. Data up-dation has been started.</li> </ul>	Noted
Agenda Item No.8.16: AMRUT 2.0 - TAKING UP OF ALTERNATIVE PROJECTS UNDER SWAP 1&2 FOR THE PROJECTS SHIFTED TO AMRUT 1.0	<p>In the 12<sup>th</sup> State Level Technical Committee (SLTC) meeting, the actions taken were reviewed and decided as follows:</p> <ul style="list-style-type: none"> <li>❖ Based on the 11th SLTC Decision No. 11.30, the 8th SHPSC Decision No. 8.16 approved a list of SWAP-1 substituted water supply projects totaling ₹ 185.409 crore (CAPEX: ₹ 175.067 crore &amp; OPEX: ₹ 10.342 crore). This was due to the shift of 41 works (29 WS and 12 SEW) worth ₹ 193.569 crore in 9 AMRUT cities from AMRUT 2.0 to AMRUT 1.0. As the majority of the projects have been revised, the decision to substitute the WS projects need to be canceled.</li> <li>❖ The SLTC recommended to the SHPSC to cancel the decision to substitute the WS projects.</li> <li>❖ The request for Cancellation will be submitted to the APEX Committee of MoHUA by the Mission Director AMRUT shortly.</li> </ul> <p><b>The SHPSC may take a suitable decision on the recommendations of the SLTC Meeting.</b></p>	<ul style="list-style-type: none"> <li>❖ 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</li> <li>❖ The Committee decided to cancel the list of projects to substitute with the cancelled projects approved by the 8th SHPSC.</li> </ul>

### Agenda Item No.9.3: 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 4<sup>th</sup> Apex committee meeting had approved the 1<sup>st</sup> Tranche of the State Water Action Plan (SWAP-1) -229 projects for an amount of ₹1940.92 Cr. (CAPEX - ₹1846.19 Cr. & OPEX - ₹ 94.73 Cr.). The 6<sup>th</sup> Apex committee held on 04.01.2023 approved the 2<sup>nd</sup> Tranche of the State Water Action Plan (SWAP -2)-264 projects for an amount of ₹ 685.455 Cr. (CAPEX – ₹ 635.405 Cr. & OPEX – ₹ 50.06 Cr., inclusive of Special Tranche for Water Body Rejuvenation).

The total SWAP approved under tranche 1&2 amounting to ₹ 2,626.375Cr. (CAPEX - ₹ 2,481.595 Cr. & OPEX - ₹144.79 Cr.) for 493 projects. Central Assistance- ₹ 980.6225 Cr., State share- ₹ 886.2196 Cr., ULB Share- ₹742.162 Cr. & 15 FC grant- ₹ 16.302 Cr.

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. Hence the approved SWAP size has now been reduced.

### **9.3.1. AMRUT 2.0 - OVERVIEW**

#	Sector	Allocated Fund (Cr.)	Floating Incentive Fund from SEW	Total Outlay (Cr.)	Central Allocation (Cr.)	Approved Tranche 1 & 2 (Cr.)	Projects Shifted to AMRUT 1.0 (Cr.)	Final Tranche 1&2 (Cr.)	Available Fund for Tranche 3 (Cr.)
1	Water Supply Projects	1713.40	588.38	2301.78	951.916	1912.95	158.50	1754.45	547.33
2	Sewerage & Septage	889.77	160.18	1049.95	353.48	492.88	35.07	457.81	592.15
3	Water bodies and parks	143.34		143.34	68.60	75.768		75.81	67.572
<b>Total</b>		<b>2746.51</b>	<b>748.56</b>	<b>3495.07</b>	<b>1374.00</b>	<b>2481.64</b>	<b>193.57</b>	<b>2288.024</b>	<b>1207.046</b>

### **9.3.2. PROJECT PROGRESS-SECTOR-WISE AS ON 31.07.2024 (Tranches 1&2)**

Sector	Main Projects		AS Issued		Sub Projec ts (Nos)	TS Issued		NIT Issued		Awarded		Complet ed (Nos)	Expenditu re (₹ Cr)	Expend iture %
	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)		Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)	Nos	Amount (₹ Cr)			
Water Supply	156	1759.927	155	1652.51	269	240	1,364.64	231	1055.63	189	780.78	8	225.54	13.65
Sewerage	14	483.707	14	457.81	32	31	269.97	29	224.71	24	73.51	1	9.27	2.02
Water Body Rejuvenation	251	79.944	230	65.15	230	214	56.60	210	54.04	178	44.76	8	5.88	9.02
Micro Water Supply	31	63.198	17	37.6	17	10	26.35	10	25.57	1	0.94	0	0	0
<b>Total</b>	<b>452</b>	<b>2386.775</b>	<b>416</b>	<b>2213.06</b>	<b>548</b>	<b>495</b>	<b>1717.55</b>	<b>480</b>	<b>1359.95</b>	<b>392</b>	<b>899.99</b>	<b>17</b>	<b>240.68</b>	<b>10.88</b>

### **9.3.3. PROGRESS ACHIEVED SINCE 8<sup>th</sup> SHPSC (As on 06.02.2024)**

Progress	Total Projects (No.)	AS Issued (No.)	Sub Projects (No.)	TS Issued (No.)	NIT Issued (No.)	Awarded (No.)	Completed (No.)	Expenditure (₹ Cr.)	Expenditure %
Last SHPSC (06.02.2024)	490	448	579	497	476	348	0	78.94	3.57
As on 31.07.2024	452*	416	548	495	480	392	17	240.68	10.88
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. Hence the approved SWAP size has been reduced.								+ 7.31

\* 41 projects have been transferred to AMRUT1.0

### **9.3.4. FINANCIAL PROGRESS**

Category	Central	State	ULB	Total
Released Amount (₹ Cr.)	148.74	132.64	103.31	<b>384.69</b>
Expenditure (₹ Cr.)	101.35	85.36	41.82	<b>228.53</b>
Balance Amount in SNA (₹ Cr.)	47.38	47.28	61.49	<b>156.16</b>

### **9.3.5. ISSUES HINDERING THE PROGRESS**

- Pattambi ULB-Technical Sanction of SWAP1 project has been pending for a long time. The implementing agency is ULB itself, The Decision is to be taken for transfer of the work from ULB to KWA.
- Road-cutting permission from Road Authorities: The Secretary, PWD convened a meeting for these issues on 25.03.2024 and 08.07.2024
  - NHAI – Kollam (NH 66 bypass), Karunagappally (NH 66),
  - Trippunithura and Kondotty ULBs.
  - NH MORTH – Kottayam Municipality (KK Road)
  - KSTP – Mukkomb & Piravom.
  - KRFB – Kumarapuram to Kunjuveedu line
  - PWD & NH road-cutting permissions - few road-cutting permissions are pending
- PWD -Dispute on security deposit – Government orders for the substitution of the Bank Guarantee (BG) with an indemnity bond for AMRUT projects, where the KWA will undertake road restoration directly, and the permissions for road cutting under the Defect Liability Period (DLP) for AMRUT works are pending with the Finance Department.
- Land transfer for OHSR is pending for Kottarakkara and Guruvayur Municipalities.

#### **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.
- The SLTC meeting has recommended that the KWA implement the water supply project for Pattambi. Moreover, as the work has been a long time pending one due to the delay in issuing the TS, The SLTC has instructed the KWA to take prompt action in due consultation with the concerned ULB.
- The Mission Director informed that meetings were conducted by the Secretary PWD to address the various road-cutting issues with NHAI, MoRTH, and PWD. While a few permissions have been received, the NOCs from MoRTH, NHAI, and a few from PWD are still pending. The Chair agreed to address the issues regarding the road cutting NOCs from the Ministry of Road Transport and Highways (MoRTH) and the NHAI with the MoHUA. The Mission Director was instructed to prepare and submit a detailed project-wise note.
- The Mission Director further reported that, where the KWA will undertake road restoration directly, KWA is required to deposit a security amount equivalent to 10% of the estimated cost

for road cutting to PWD. However, due to a lack of funds with KWA, in the meeting by the Secretary PWD on 25.3.2024, it was decided that instead of a Bank Guarantee (10% of estimate), an indemnity bond executed by the Executive Engineer concerned, KWA for 1 year may be considered. A relevant Government Order (G.O.) to this effect is awaited. The Chair instructed the Mission Director AMRUT and the Join Managing Director KWA to follow up with the PWD and Finance departments.

- Regarding the land acquisition for the proposed OHSR in Eyamkunnu Kottarakkara ULB, the ULB, and CMMU Kollam have been instructed to expedite the preparation and submission of the land sketch to the Joint Director without delay.
- The Secretary, Guruvayur Municipality informed that the proposed 10 LL OHSR is situated on Guruvayur Devaswam Land. Permissive sanction for the 10-cent land and the land required for laying pipes to the OHSR is necessary. Guruvayur Devaswam has granted permissive sanction under the condition that they receive water from KWA free of cost. However, the ULB and KWA did not agree to this condition. Currently, the ULB has decided to request the Administrator of Guruvayur Devaswam once again regarding this matter. The Municipal Secretary was instructed to follow up and report the outcome.

#### **Capacity Building:**

- The Mission Director informed that a three-day residential training program is being planned for officials working under AMRUT. The sessions will cover both outbound and technical aspects. Outbound sessions will be organized by CMD, while technical sessions will be arranged by SMMU. The training program is tentatively scheduled for August 2024 in KTDC Munnar. CMD Trivandrum will host the training, and the proposal is awaited from them.
- The Committee noted the Capacity Building initiative and the Proposal has been submitted to the Government.

#### **Action taken:**

- The Principal Secretary LSGD and the Urban Director met the Additional Secretary MoHUA in this regard and discussed the necessary steps to expedite the process of obtaining the required NOCs for road cutting from MoRTH and NHAI.
- Government orders for the substitution of the Bank Guarantee (BG) with an indemnity bond for AMRUT projects, where the KWA will undertake road restoration directly, and the permissions for road cutting under the Defect Liability Period (DLP) for AMRUT works are pending with the Finance Department.

#### **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 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.

## Agenda Item No. 9.4: WATER SUPPLY PROJECTS

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

The fund allocated for the Erattupetta Municipality for water supply projects originally was ₹ 8.88 Cr. Initially, the Municipality had submitted proposals for the Micro Water Supply Scheme with bore wells as sources. The 5th SHPSC meeting instructed the Erattupetta Municipality to revise the project proposal replacing the borewell sources with other surface water sources. The Committee also directed the WRD department to check the possibility of providing other surface water sources for Erattupetta Municipality.

The 8th SLTC Meeting instructed the KWA to explore the possibility of whether common components of the Malankara-based Neelur JJM scheme can be utilized for meeting the water requirements of Erattupetta Municipality, as there are no sustainable water resources in that area.

Accordingly, the Executive Engineer, KWA Kottayam has submitted an alternate proposal for the Erattupetta Municipality for ₹ 128 Cr. The proposal aims to utilize the already awarded production components of JJM Neeloor, Water Supply to Erattupetta, and WTP.

The 6<sup>th</sup> SHPSC reviewed the project proposals in detail and accorded sanction to an additional fund of ₹ 11.12 Cr. from the floating fund in addition to the allocated fund of ₹ 8.88 Cr. (Total- ₹ 20 Cr.) for the water supply scheme for Zone-1 Thevarupara making use of the already awarded production components of JJM (Neeloor Water Supply scheme). The Committee also accorded sanction to issue the Administrative Sanction for the topographic survey and soil investigation works for ₹ 19.183 lakhs.

Now, Kerala Water Authority has prepared a DPR for Thevarupara scheme - AMRUT 2.0 - WSS to Erattupetta Municipality- Zone1; Phase- 1 for an amount of ₹ 20.60 Cr. (CAPEX- ₹ 20 Cr. & O&M- ₹ 0.60 Cr.). which includes the construction of a 10 LL OHSR, Clear Water Gravity Main, Distribution network, and FHTCs. Municipal Council vide the resolution No. 5/1 dated 23.1.2024 has also approved the same. The major components included in the proposal are as follows;

- New House Connections: 3000
- Existing house Connections: 1500
- Total FHTC Benefitted: 4500
- 300mm Gravity Main to New OHSR -0.200km
- 300mm CWGM from new OHSR-5.5 km
- UPVC and GI pipeline distribution - 24.2 km
- 10LL OHSR at Thevarupara (Old dilapidated tank is to be dismantled)

The treated water will be from the 45 MLD Neelur plant-Malankara dam-based project under JJM. KWA HQ has evaluated the same and stated that the WSS to Erattupatta municipality is feasible from the JJM works of CWSS to 13 Panchayaths based on Malankara Reservoir.

- The Unit cost of the project falls below ₹ 50000/Households.
- Central Assistance- ₹ 10 Cr.
- State share- ₹ 7.5 Cr.
- ULB share- ₹ 3.1 Cr.

Sl No.	ULB (Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR	Land availability	Cost per HH Benefitted (₹) (CAPEX *10000000 /HH)	Increase in LPCD
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)				
1	ERATTUPETTA SWAP-2	AMRUT 2.0 WSS to Erattupetta Municipality- Zone1; Phase- 1	20	0.60	20.60	<ul style="list-style-type: none"> <li>• New House Connections: 3000</li> <li>• Existing house Connections: 1500</li> <li>• Total FHTC Benefitted: 4500</li> <li>• 300mm Gravity Main to New OHSR -0.200km</li> <li>• 300mm CWGM from new OHSR-5.5 km</li> <li>• UPVC and GI pipeline distribution - 24.2 km</li> <li>• 10LL OHSR at Thevarupara (5.5 cent land is available with KWA. Old dilapidated tank is to be dismantled)</li> </ul>	YES	44,444	110

#### SMMU Recommendations:

- ❖ The Committee may also approve 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. & O&M-₹ 0.44 Cr) and replacement with the above project. The funds from the canceled water supply projects of Iratty and Mattannur can be utilized. (Projects were canceled by the 6<sup>th</sup> SHPSC meeting since a comprehensive scheme was taken up under KIIFB in the said ULBs.).
- ❖ As per AMRUT 2.0 Guidelines Clause. 6.9.1, the SHPSC will be competent to approve the replacement of projects costing up to 10% of the respective tranche of SWAP in admissible project components of AMRUT 2.0. The present proposal is well within 10% of Tranche 2 (₹ 683.07 Cr.).
- ❖ Further based on the 6th SHPSC decision, vide G.O.(Rt)No.1901/2023/LSGD dated 26.09.2023, Administrative sanction for the topographic survey and soil investigation works for Erattupetta for an amount of ₹ 19.183 lakhs were issued.

#### 12<sup>th</sup> 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 ₹ 20.60 Cr. (CAPEX- ₹ 20 Cr. & O&M- ₹ 0.60 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.
- ❖ 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 ₹ 9.32 Cr. (CAPEX- ₹ 8.88 Cr. & O&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. & O&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).The excess fund can be met from the canceled water supply projects of Iratty and Mattannur. (₹ 24.73 Cr.)

**Decision:**

- ❖ 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. & O&M- ₹ 0.60 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 September 2024.
- ❖ 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. & O&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. & O&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).
- ❖ The excess fund can be met from the canceled water supply projects of Iratty and Mattannur. (₹ 24.73 Cr.)

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

The allocated fund for the Thrissur Corporation for the water supply project was ₹ 134.5 Cr. (WS- ₹ 84.99 Cr. and Floating incentive- ₹ 63.37 Cr.). Under the SWAP 1, 14 water supply projects worth ₹ 134.448 Cr. (CAPEX) were approved for the Thrissur Corporation.

The ULB has now requested for cancellation of two proposals for ₹ 13.5 Cr. (CAPEX) approved vide G.O (Rt). No.473/2023/ LSGD dated 23.02.2023 and their replacement with two proposals worth ₹ 21.4 Cr. (CAPEX).

Two replacement proposals include the Construction of the new 20 MLD Plant at Peechi for ₹ 14.5401 (CAPEX) and the project for Providing Control Valves, Scour Valves and Air Valves in the Distribution Network and conducting a Hydraulic Study of the Water Supply System for ₹ 4 Cr.

The 12<sup>th</sup> SLTC 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.

**The details of the projects to be canceled are as follows;**

S No.	Name of Project	Project Cost (Cr.)	CAPEX (Cr.)	O&M (Cr.)	AS Details	The rationale for the cancellation of the project
1	AMRUT 2.0-Watersupply schemes from Kadavaram Pond - Construction of pumphouse- providing treatment facilities by pressure filters, laying distribution network and providing 1000 FHTC for Thrissur Corporation	5.5	5	0.5	G.O (Rt). No.473/2023/ LSGD dtd 23.02.2023.	Upon conducting a Yield test at the source, the source was found to be inadequate.
2	AMRUT 2.0 - Renovation of 14.5 MLD WTP augmented to 20 MLD at Peechi and providing 3550 FHTCs in Thrissur Corporation	9.35	8.5	0.85	G.O (Rt). No.473/2023/ LSGD dtd 23.02.2023.	TS was issued and the work was tendered in 2 packages. The work was retendered several times as no offer was received. As no offers came despite several retenders, KWA decided to terminate the proposal of renovating the existing 14.50MLD WTP by augmenting it to a 20MLD WTP and decided to propose constructing a new 20MLD WTP by demolishing the existing 14.50MLD WTP.
	<b>TOTAL</b>	<b>14.85</b>	<b>13.5</b>	<b>1.35</b>		

The details of the replacement project are as follows;

S No.	Name of Project	Project Cost (Cr.)	CAPEX (Cr.)	O&M (Cr.)	Major Components
1	AMRUT 2.0 - THRISSUR WATER SUPPLY SCHEME-Design, Construction, and Commissioning of 20MLD Water Treatment Plant by demolishing the existing 14.50MLD Water Treatment Plant at Peechi	16.5	14.5401	1.959	1) Total HH Benefitted: 18000 2) Treatment Plant -20 MLD Plant 3) Smart elements-SCADA

#### SMMU Observations:

- ❖ As per the AMRUT guidelines clause 6.9, the SHPSC will be competent to approve the 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 respective tranche of SWAP, if approved by SHPSC shall be sent to the Apex committee with proper justification for consideration and approval. No expenditure shall be booked against any project proposed to be replaced.
- ❖ So far replacement of 15% of the SWAP-1<sup>st</sup> tranche has been approved by the APEX committee. Hence the replacement of the said project is required to be sent to the Apex committee with proper justification for consideration and approval.

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

The committee decided to recommend the cancellation of two water supply projects of Thrissur Corporation:

- AMRUT 2.0-Watersupply schemes from Kadavaram Pond - Construction of pumphouse-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. & O&M- ₹ 0.50 Cr.).
- 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 committee decided to accord in principle sanction for the replacement with one water supply project of Thrissur Corporation subject to the recommendation from KWA HQ:
  - AMRUT 2.0 - THRISSUR WATER SUPPLY SCHEME-Design, Construction and Commissioning of 20MLD 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- ₹ 1.959 Cr.).
- ❖ 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.
- ❖ The committee has also decided to recommend that the SHPSC request the APEX Committee to cancel and replace projects subject to the feasibility report of MD KWA.
- ❖ KWA was instructed to submit the justification for the demolition of the existing WTP and the necessity of a new WTP before the upcoming SHPSC meeting.

**Decision:**

- ❖ **The committee decided to cancel the following two water supply projects of Thrissur Corporation:**
  - AMRUT 2.0-Watersupply schemes from Kadavaram Pond - Construction of pumphouse-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. & O&M- ₹ 0.50 Cr.).
  - 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 of 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 20MLD 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.**

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

Six proposals from six Urban Local Bodies were received for revising the Administrative Sanction of Water Supply projects due to tender excess/ exclusion of road restoration charges from DER/requirement of additional MS pipe/increase in road restoration charges /estimate revision. The following is a summary of the same.

- Chittur-Thathamangalam, Thripunitura, and Mavelikara ULBs requested Revision of AS due to the exclusion of road restoration charges from actual DER/tender excess and Estimate revision (3 Nos.)
- Mannarkkad, Pathanamthitta, and Koothattukulam (3 Nos) ULBs requested for Revision of AS due to tender excess below 10%
- Council Approval is pending from Koothattukulam ULB.
- Proposals for which the Recommendation of MD KWA is awaited –6Nos (Chittur-Thathamangalam, Manarakad, Thripunitura, Koothattukulam, Pathanamthitta, and Mavelikara)
- The total tender excess amount including GST comes to ₹ 3.487 Cr. The State have to meet ₹ 1.743 Cr. and ULBs have to meet ₹ 1.743 Cr.
- Total additional amount required for the excess work is ₹2.726 Cr. The Central share is ₹1.363 Cr, the State have to meet ₹ 1.0225 Cr, and ULBs have to meet ₹ 0.3408 Cr.

The Central Government may not fund the tender excess amount if the contract awarded cost is more than the appraised cost. As such the tender excess amount may have to be borne by the State and respective ULB.

The SHPSC in its 8<sup>th</sup> meeting decided that 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.

ULB	Name of work	Reason	AS Amount (Cr)	Revised AS Amount (Cr.)	Total Additional Amount (Cr.)	Additional Work (Cr)	Tender Excess (Cr)	CA (Cr)	State (Cr.)	ULB (Cr.)
Mannarkkad	AMRUT-2.0- Augmentation of UWSS to Mannarkkad Municipality - Providing FHTCs and pipeline extension	<b>Due to Tender Excess - 5.06%.</b> o AS Amount- ₹ 7.68 Cr. o LMR – 9.41 % above o 2 bids were received on the first tender.	7.68	8.02	0.338	NIL	0.33		0.162	0.162
Chittur - Thatha mangalam	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	<b>Due to Tender excess - 8.11%</b> <b>Municipality road restoration: ₹1.57Cr.</b> <b>PWD Road Restoration: ₹0.57Cr.</b> o AS Amount - ₹ 8.59 Cr. o LMR – 8.11 % o Tendered 3 times. o Road Restoration charges were not included in the DER	8.59	11.19	2.599	1.98	0.62	0.989	1.0525	0.557
Pathanamthitta	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)	<b>Due to Tender Excess- 9.20 %.</b> o AS Amount - ₹ 14.42 Cr. o Tendered 3 times and bid extended to 5 times, received 2 nos of bids, approved in Council with L1. o LMR – 13.34%	14.42	14.95	0.53	NIL	1.25	-	0.624	0.624
Tripunithura	AMRUT-2.0-WSS to Thripunithura Municipality - Providing FHTC, by augmenting or retrofitting the existing Water Supply Scheme and laying new rider line.	Due to Sub Project-3- <b>Tender Excess 17.10% above.</b> <b>Tender excess sanctioned by Government vide G.O.(Ms)</b> <b>No.39/2024/WRD date: 28/11/2022</b> o Tendered 3 times and the single offer was received which is 20.87% above TPAC. KWA negotiated with the contractor and	12.29	12.79	0.50	NIL	0.84	-	0.42	0.42

ULB	Name of work	Reason	AS Amount (Cr)	Revised AS Amount (Cr.)	Total Additional Amount (Cr.)	Additional Work (Cr)	Tender Excess (Cr)	CA (Cr)	State (Cr.)	ULB (Cr.)
		<p>agreed to execute the work at ₹ 4,88,27,611/- which is 17.1% above the TPAC</p> <ul style="list-style-type: none"> <li>○ AS Amount -₹ 12.289 Cr.</li> <li>○ LMR – 10.81 % above</li> <li>○ Sub Project-1- 20.99% below</li> <li>○ Sub Project-2- 17.01% below</li> </ul>								
Koothatukulam	AMRUTH 2.0 - Koothattukulam Municipality - Renovation of existing Water Supply Scheme UWSS to Koothattukulam	<p><b>Due to Tender excess- 8.74% &amp; Escalation in Road Restoration charges</b></p> <ul style="list-style-type: none"> <li>○ AS Amount - ₹ 5.29 Cr.</li> <li>○ LMR – 8.74 % above</li> <li>○ Tendered 2 times, only one bid was received on the 2nd tender.</li> </ul>	5.298	5.748	0.45		0.45		0.225	0.225
Mavelikkara	"AMRUT 2.0 – SWAP-I-Replacing 400MM PREMO Transmission main using 400MM DI pipe in Mavelikkara Municipality	<p><b>Due to additional MS pipe requirements and an increase in road restoration charges</b></p> <ul style="list-style-type: none"> <li>○ AS Amount - ₹ 0.173 Cr.</li> <li>○ TS not issued</li> </ul>	0.173	0.237	0.0645	0.0645	-	0.0322	0.024	0.008
<b>TOTAL</b>			48.451	52.935	<b>4.4815</b>	<b>2.0445</b>	<b>3.49</b>	<b>1.0212</b>	<b>2.5075</b>	<b>1.996</b>

### **12th 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 ₹ 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 - 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 and increase in road restoration charges.
- ❖ "AMRUT 2.0 – SWAP-1-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.
- ❖ KWA was instructed to submit the recommendations before the upcoming SHPSC meeting.
- ❖ Recommendations for all six proposals and council approval for Koothattukulam have not yet been received.

**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.**

- ❖ *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-1-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.**

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

### STATE WATER ACTION PLAN- TRANCHE III

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is ₹ 3495 Cr. with Central Assistance of ₹ 1374 Cr. The total SWAP approved under tranche 1&2 amounting to ₹ 2,626.375Cr. (CAPEX - ₹ 2,481.595 Cr. & OPEX - ₹144.79 Cr.) for 493 projects. Central Assistance- ₹ 980.6225 Cr., State share- ₹ 886.2196 Cr., ULB Share- ₹742.162 Cr. & 15 FC grant- ₹ 16.302 Cr.

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. Hence the approved SWAP size has now been reduced.

**The summary of the State Water Action Plan is as under:**

#	Sector	Total Outlay (Cr.)	Central Allocation (Cr.)	Approved Tranche 1 & 2 (Cr.)	Projects Shifted to AMRUT 1.0 (Cr.)	Final Tranche 1&2	Available Fund for Tranche 3 (Cr.)	Available CA for Tranche 3 (Cr.)	SWAP3 Received - CAPEX (Cr.)	SWAP3 approved by SLTC - CAPEX (Cr.)	CA-SWAP3 approved by SLTC (Cr.)	Excess CA (Cr.)
1	WS	2301.78	951.916	1912.950	158.500	1754.450	547.327	221.675	827.623	552.48	248.995	*15.74
2	SEW	1049.95	353.48	492.875	35.069	457.806	592.147	200.883	592.15	592.15	200.883	0.000
3	WBR	114.672	54.880	75.768	0.000	75.768	38.904	21.566	59.328	59.33	23.996	2.430
4	PARK	28.668	13.720	0.000	0.000	0.000	28.668	13.720	36.397	36.400	16.500	2.780
<b>Total</b>		<b>3495.07</b>	<b>1374.00</b>	<b>2481.64</b>	<b>193.569</b>	<b>2288.024</b>	<b>1207.046</b>	<b>457.844</b>	<b>1515.498</b>	<b>1240.353</b>	<b>490.374</b>	<b>**20.95</b>

\*\*Total excess in CA- 32.53 Cr.

Water Supply- 27.320 Cr.

- AMRUT 1.0- Rs. 2.43 Cr. (Rs. 1.43 Cr from Kochi & remaining from SWAP 1&2 savings)

- AMRUT 2.0 – 15.74\* [Rs. 24.86 Cr -(9.125 savings from Tranche 1&2)]

<u>WATER SUPPLY SECTOR:</u>				
<u>Description</u>			<u>CAPEX Amount</u>	<u>Central Assistance</u>
Fund allocated for Water supply projects including floating fund & Sewerage fund (12.4 Cr.) taken for Kollam Corporation.			₹ 2301.78 Cr.	₹ 736.10 Cr.
Approved Tranche 1&2 (CAPEX)			₹ 1912.95 Cr.	₹ 783.030 Cr.
Amount of projects shifted to AMRUT 1.0 from SWAP 1			₹ 158.50 Cr.	₹ 52.789 Cr.
Final Tranche 1&2			₹ 1754.450 Cr.	₹730.241 Cr.
Available funds for SWAP 3			₹ 547.327 Cr.	₹221.675 Cr.
Total proposals received (109 Nos.)			₹ 827.623 Cr.	₹ 376.97 Cr.
Excess CA				₹ 155.295 Cr.
<b>Total SWAP 3 approved by the SLTC (72 Nos.)</b>			<b>₹ 552.478 Cr.</b>	<b>₹ 249.000 Cr.</b>
<b>Excess CA required</b>				<b>*₹ 15.74 Cr.</b>

<b>AMRUT 1.0 Cities</b>		
Available funds for AMRUT 1.0 cities	<b>₹ 161.45 Cr.</b>	<b>₹ 54.17 Cr.</b>
Proposals received from 8 AMRUT cities (24 Nos)	<b>₹ 233.4725 Cr.</b>	<b>₹ 79.49 Cr.</b>
Excess CA		<b>₹ 25.32 Cr.</b>
SWAP 3 approved by the SLTC (21 Nos.)	<b>₹ 164.82 Cr.</b>	<b>₹ 56.60 Cr.</b>
Excess CA required		<i>NIL. (SWAP1&amp;2 savings of AMRUT 1 Cities can be utilized for the excess amount.)</i>
Buffer list (TVM-2, Kollam-1)	<b>₹ 56.7605 Cr.</b>	
<b>AMRUT 2.0 Cities</b>		
Available funds for AMRUT 2.0 cities	<b>₹ 385.87 Cr.</b>	<b>₹ 167.53 Cr.</b>
Proposals received from 61 AMRUT 2.0 cities (85 Nos)	<b>₹ 606.45 Cr.</b>	<b>₹ 301.79 Cr.</b>
Excess CA		<b>₹ 134.26 Cr.</b>
SWAP 3 approved by the SLTC (51 Nos)	<b>₹ 387.66 Cr.</b>	<b>₹ 192.39 Cr.</b>
Excess CA required		<i>*₹ 15.74 Cr (after utilizing SWAP1 savings of Canceled projects of Irity &amp; Mattannur, Nileswaram )</i>

#### **Summary of AMRUT 1.0 City-wise fund allocation is as shown below**

##### **I. AMRUT 1.0 Cities**

- ❖ 24 proposals received for Rs. 233.4725 Cr.
- ❖ The 12<sup>th</sup> SLTC approved the list of SWAP 3 proposals for 21 water supply projects of 8 AMRUT 1.0 cities for an amount of CAPEX ₹ 164.8198 Cr. Due to insufficient fund.
- ❖ 24X7 WS proposals were received from 7 AMRUT 1.0 cities (KZD included in SWAP 1). Kochi is included in the proposed ADB project for water supply improvement, the Kochi Corporation was excluded from the list of 24x7 WS projects by KWA.
- ❖ Detailed project reports for all the proposals except the 24X7 WS proposals were received.
- ❖ Council approval is pending for 1 project from Palakkad.
- ❖ Unit cost for all the proposals falls below 50,000 /HH
- ❖ Land is available for all the proposals

##### **Major Components**

- ❖ New FHTCs – 22,769
- ❖ Number of Existing Beneficiaries- 94,201
- ❖ Storage Reservoirs- 2 Nos (Kollam & Kannur)
- ❖ Distribution network-New- 124.083 Km
- ❖ Distribution network-Replacement- 89.772 Km
- ❖ Transmission Mains -New- 37.884 Km

- ❖ Smart Components

**12<sup>th</sup> SLTC Meeting reviewed the proposals and recommended as following;**

- ❖ The Committee approved the list of SWAP 3 proposals for **21 water supply projects of 8 AMRUT 1.0 cities** for an amount of **CAPEX ₹ 164.8198 Cr.**
- ❖ 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 (₹ 12.318 Cr.) shall be allocated to cover the excess requirements for the 24x7 water supply projects in Guruvayur (₹7.990 Cr.) and Palakkad (₹3.940 Cr.). Additional funding of ₹ 4.997 Cr. needed for Kochi can be sourced from the savings of SWAP 1 and 2 of Kochi itself.
- ❖ Thiruvananthapuram & Kollam submitted proposals for excess funds. (₹ 12.573 Cr. & ₹ 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.**

**II. AMRUT 2.0 Cities**

- ❖ 88 proposals received for ₹ 662.8031 Cr.
- ❖ The 12<sup>th</sup> SLTC recommended approving the 51 SWAP 3 proposals including Micro WSS from Valancherry for ₹ 387.6590 Cr.
- ❖ The 12<sup>th</sup> SLTC decided to prepare a buffer list with the 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.
- ❖ Detailed project reports for all the proposals except the 24X7 WS proposal and Micro Water supply scheme for Valancherry were received.
- ❖ Council approvals for all the proposals were obtained.
- ❖ Unit cost for all the proposals falls below 50,000 /HH

**Major Components**

- ❖ 24x7 water supply proposals from Chittur Thathamangalam
- ❖ New FHTCs – 57,791Nos
- ❖ Number of Existing Beneficiaries- 1,22,742 Nos
- ❖ Source Improvement- Construction of intake well and weir in Neyyattinkara & weir in Mannarkkad.
- ❖ Treatment Plants-
  - Construction of New **15 MLD plant at Kunnamkulam**
  - Construction of New **1.5 MLD plant at Shornur.**
  - Renovation of WTPs in Kalpetta, Nedumangad, Punalur, Pala, Vaikom
  - Renovation of WTP in Nilambur
- ❖ Storage Reservoirs- New OHSRs in Manjeri, Nilambur, Kalpetta, Pathanamthitta, Parappanangadi, Taliparamba, Vaikom, Mukkam, Ponnani, & Shornur & Valanchery
- ❖ Distribution network-New- 391.581 KM
- ❖ Distribution network-Replacement- 168.075 Km
- ❖ Transmission Mains -New- 61.015 Km

- ❖ **Micro Water supply schemes for Valancherry- “Kalyana Urava Check Dam” & 6 Micro Drinking Water Supply Scheme: ₹ 13.27 Cr.**

**Kalyana Urava (Project Cost: ₹ 8.567 Cr)**

- Check dam Structure-19 metre in length and 6 metre in height
- Upstream Water Storage Collected Area: -120 metres in length and 8500 m<sup>3</sup> in Collection capacity
- Gravity Sedimentation Tank
- Sand Filter-Size: 5.72 x 4.5 m, Height:6 m
- Collection Well and Chlorination treatment: -7.3 m in diameter and 6 m in height
- Pumping Main to Over Head Tank -1.375 Km
- Over-head Water Tank: -1.358 LL
- Distribution Network-1.15 Km
- FHTC-1750 Nos
- Unit Cost: ₹ 48,954.28/-

**Additional Micro Projects - Project Cost: ₹ 3.862 Cr.**

- 4 new well and 1 Existing well
- Pumping Main to Over Head Tank -5.04 Km
- Over-head Water Tank: -0.06 LL
- Distribution Network-6.25 Km
- FHTC-982 Nos
- Unit Cost: ₹ 48,000/-

- ❖ The 12<sup>th</sup> SLTC directed the Valancherry Municipality to rework and resubmit the project report with all the technical details and estimates for the Micro Water supply schemes for Valancherry- “Kalyana Urava Check Dam & also the 6 Micro Drinking Water Supply Schemes proposed. Based on the Technical and financial viability of the project, the same can be considered accordingly.
- ❖ **The 12th SLTC provisionally approved 37 projects in the buffer list amounting to ₹ 275.144 Cr.** The sanction for individual works will be accorded based on fund availability and priority.

**Proposals in Buffer list- 37 proposals of ₹275.1411 crore (34 proposals of ₹218.791 crore from AMRUT 2 cities and 3 proposals of ₹56.3527 crore from AMRUT 1.0 cities)**

The total outlay of AMRUT 2.0 for 93 ULBs in Kerala is Rs. 3495 Cr. with CA Rs. 1374 Cr. The total Central Assistance allocated for Water Supply sector is Rs. 951.916 Cr of which the approved SWAP 1 & 2 is Rs. 730.241 Cr. The balance available CA for Water Supply sector is Rs. 221.675 Cr. For SWAP-3, 109 projects for Rs. 827.623 Cr was received and out of which 72 projects amounts to Rs. 552.48 Cr. for SWAP-3 was recommended based on the priority and available allocated CA. The remaining 37 projects with CAPEX Rs. 275.144 Cr. (with required Central Assistance of Rs. 128 Cr.) shall be kept as buffer list. This consideration was made 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.

- New FHTCs – 27,640 Nos.
- Number of Existing Beneficiaries- 1,41,824 Nos.
- Source Improvement- Construction of a weir in Njankadavu Kollam.
- Renovation of WTPs in Angamali & Perubavoor.
- Construction of New Storage Reservoirs in Tirurangadi, Karunagappally & Piravom.

- Distribution network-New- 171.338 Km.
- Distribution network-Replacement- 134.324 Km.
- Transmission Mains -New- 6.79 Km.

**AMRUT 2.0 City-wise fund allocation is as shown below:**

Sl No	ULB	Fund Allocation (₹ Cr.)	Tranche 1&2 (CAPEX Cost (₹ Cr.))	Available fund (₹ Cr.)	Tranche 3 (CAPEX (₹ Cr.))	Number of Projects (No.)	No. of Projects-Origin al Allocation	Original Allocation (₹ Cr.)	Priority list-Nos	Priority list-Amount (₹ Cr.)	Buffer list-Nos	Buffer list-Amount (₹ Cr.)	REMARKS
1	Panoor	18.02	2.681	15.339	15.40	1	1	15.400			0	0.000	Original allocation
2	Changana ssery	15.014	11.248	3.766	3.67	2	2	3.668			0	0.000	Original allocation
3	Chengann ur	5.013	3.200	1.813	1.79	1	1	1.787			0	0.000	Original allocation
4	Ettumano or	16.068	11.103	4.965	4.76	1	1	4.757			0	0.000	Original allocation
5	Kottayam	49.812	41.195	8.617	8.62	3	3	8.617			0	0.000	Original allocation
6	Nilambur	10.435	0.000	10.435	9.57	1	1	9.570			0	0.000	Original allocation
7	Valancher ry	13.274	0.000	13.274	13.27	1	1	13.274			0	0.000	Original allocation
8	Tirur	13.879	0.000	13.879	38.88	3	1	13.880	0	0.0000	2	25.000	Original allocation-1, 2 in buffer list
9	Kottarakk ara	10.529	3.000	7.529	21.21	3	2	6.594	1	14.620	0	0.000	Original allocation-2 Nos- OHSR & Distribution network Priority-1 - Distribution network
10	Neyyattin kara	18.665	13.890	4.775	14.77	2	1	9.997			1	4.770	Original allocation-1, Buffer-1
11	Kottakkal	14.989	0.000	14.989	23.24	3	1	15.739			2	7.500	Original allocation-1, Buffer-2 Nos.

Sl No	ULB	Fund Allocation (₹ Cr.)	Tranche 1&2 (CAPEX Cost (₹ Cr.))	Available fund (₹ Cr.)	Tranche 3 (CAPEX (₹ Cr.))	Number of Projects (No.)	No. of Projects-Original Allocation	Original Allocation (₹ Cr.)	Priority list-Nos	Priority list-Amount (₹ Cr.)	Buffer list-Nos	Buffer list-Amount (₹ Cr.)	REMARKS
12	Manjeri	23.218	0.000	23.218	28.21	2	1	23.207			1	5.000	Original allocation-1, Buffer-1
13	Kalpetta	5.238	5.229	0	18.20	1		0.000	1	18.200	0	0.000	Priority.
14	Mavelikkara	7.944	8.465	0	3.07	1		0.000	1	3.0656	0	0.000	Priority.
15	Parappanangadi	21.728	21.730	0	15.00	1		0.000	1	15.000	0	0.000	Priority.
16	Kasaragod	11.143	11.14	0	7.43	1		0.000	1	7.4260	0	0.000	Priority
17	Mukkam	12.444	12.444	0	6.03	1		0.000	1	6.0320	0	0.000	Priority
18	Anthoor	6.755	6.755	0	3.50	1		0.000	1	3.5000	0	0.000	Priority
19	Ottappalam	10.508	10.508	0	2.93	1		0.000	1	2.9300	0	0.000	Priority
20	Cherappulasserry	10.029	10.029	0	2.42	1		0.000	1	2.4183	0	0.000	Priority
21	Thrikkakkara	3.052	3.050	0	3.50	1		0.000	1	3.5000	0	0.000	Priority
22	Aluva	1.348	1.348	0	3.40	1		0.000	1	3.4000	0	0.000	Priority
23	Nedumanagad	10.318	10.290	0	15.00	1		0.000	1	15.000	0	0.000	Priority
24	Cherthala	9.257	9.500	0	3.99	1		0.000	1	3.9851	0	0.000	Priority
25	Pathanamtitta	12.378	18.590	0	8.50	1		0.000	1	8.5000	0	0.000	Priority
26	Payyoli	15.424	15.420	0	19.98	1		0.000	1	19.980	0	0.000	Priority
27	Vaikom	6.848	6.806	0	13.75	2		0.000	2	13.745	0	0.000	Priority
28	Ponnani	21.105	21.105	0	9.00	1		0.000	1	9.0000	0	0.000	Priority
29	Palai	4.961	4.960	0	1.03	1		0.000	1	1.0301	0	0.000	Priority
30	Pattambi	7.04	7.040	0	1.00	1		0.000	1	1.0000	0	0.000	Priority
31	Haripad	8.871	8.985	0	0.60	1		0.000	1	0.6000	0	0.000	Priority
32	Malappuram	7.607	7.600	0	5.62	1		0.000	1	5.6200	0	0.000	Priority
33	Thodupuzha	9.639	9.640	0	5.00	1		0.000	1	5.0000	0	0.000	Priority
34	Adoor	9.316	10.000	0	4.30	1		0.000	1	4.3010	0	0.000	Priority

Sl No	ULB	Fund Allocation (₹ Cr.)	Tranche 1&2 (CAPEX Cost (₹ Cr.))	Available fund (₹ Cr.)	Tranche 3 (CAPEX (₹ Cr.))	Number of Projects (No.)	No. of Projects-Original Allocation	Original Allocation (₹ Cr.)	Priority list-Nos	Priority list-Amount (₹ Cr.)	Buffer list-Nos	Buffer list-Amount (₹ Cr.)	REMARKS
35	Taliparamba	6.414	6.414	0	4.50	1		0.000	1	4.5000	0	0.000	Priority
36	Punalur	8.771	8.890	0	8.54	1		0.000	1	8.5400	0	0.000	Priority
37	Chittoor	6.731	9.382	0	8.94	1		0.000	1	8.9400	0	0.000	Priority
38	Koothuparamba	9.376	9.370	0	8.00	1	0	0.000	1	8.0000	0	0.000	Priority
39	Kunnamkulam	14.565	14.565	0	19.90	1		0.000	1	19.900	0	0.000	Priority
40	Kattappana	14.432	14.430	0	20.00	1		0.000	1	20.000	0	0.000	Priority
41	Mannarkkad	6.687	6.680	0	6.69	1		0.000	1	6.6870	0	0.000	Priority list
42	Attingal	7.805	7.801	0	1.69	1		0.000	1	1.6900	0	0.000	Priority list
43	Shornur	11.45	11.450	0	19.05	2		0.000	1	11.050	0	1	8.000
44	Perumbavoor	8.935	8.815	0	7.50	2		0.000	1	3.0000	1	4.500	Buffer list-1, Priority-1
45	Pandalam	11.05	11.740	0	5.30	2		0.000	1	1.0080	1	4.290	Buffer list-1, Priority-1
46	Irinjalakuda	13.058	13.058	0	19.05	8		0.000	0	0.0000	8	19.050	Buffer list
47	Kayamkulam	19.697	19.697	0	14.55	1		0.000	0	0.0000	1	14.554	Buffer list
48	Erattupetta	8.876	20.000	0	15.00	2		0.000	0	0.0000	2	15.000	Buffer list-2
49	Thalassery	24.646	24.646	0	7.00	1		0.000	0	0.0000	1	7.000	Buffer list
50	Kodungalloor	14.184	14.770	0	3.40	1		0.000	0	0.0000	1	3.400	Buffer list
51	Karunagappally	13.614	14.964	0	6.92	1		0.000	0	0.0000	1	6.920	Buffer list
52	Maradu	1.583	1.638	0	45.00	1		0.000	0	0.0000	1	45.000	Buffer list.
53	Piravom	4.331	4.468	0	8.02	1		0.000	0	0.0000	1	8.017	Buffer list
54	Thrippunithura	12.294	12.290	0	8.08	1		0.000	0	0.0000	1	8.075	Buffer list
55	Tirurangadi	14.562	14.560	0	8.00	2		0.000	0	0.0000	2	8.000	Buffer list
56	Kothamangalam	7.988	10.905	0	4.70	1		0.000	0	0.0000	1	4.700	Buffer list

Sl No	ULB	Fund Allocation (₹ Cr.)	Tranche 1&2 (CAPEX Cost (₹ Cr.))	Available fund (₹ Cr.)	Tranche 3 (CAPEX (₹ Cr.))	Number of Projects (No.)	No. of Projects-Original Allocation	Original Allocation (₹ Cr.)	Priority list-Nos	Priority list-Amount (₹ Cr.)	Buffer list-Nos	Buffer list-Amount (₹ Cr.)	REMARKS
57	Angamali	4.761	4.761	0	6.50	1		0.000	0	0.0000	1	6.500	Buffer list
58	Eloor	5.781	6.990	0	3.20	1		0.000	0	0.0000	1	3.200	Buffer list
59	Kalamassery	13.413	13.413	0	3.81	1		0.000	0	0.0000	1	3.815	Buffer list
60	Kondotty	16.696	16.696	0	3.50	1		0.000	0	0.0000	1	3.500	Buffer list
61	Chalakkudy	11.784	11.780	0	3.00	1		0.000	0	0.0000	1	3.000	Buffer list
<b>TOTAL</b>		<b>715.353</b>	<b>621.124</b>	<b>122.59</b>	<b>606.45</b>	<b>85</b>	<b>16</b>	<b>126.49</b>	<b>35</b>	<b>261.16</b>	<b>34</b>	<b>218.79</b>	

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

- ❖ The Committee approved the list of SWAP 3 proposals 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.
- ❖ 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 approvals, excluding the 24x7 proposals and Micro Water Supply Scheme, subject to approval by the APEX Committee of MoHUA.
- ❖ The Committee directed the KWA to submit the feasibility reports of all the proposals before the upcoming SHPSC.
- ❖ 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.

#### **Action taken:**

- ❖ Recommendation of MD KWA is still pending for 14 out of 72 SWAP 3 proposals and 13 out of 37 proposals in the buffer list.
- ❖ Land confirmation is pending for 4 proposals from Piravom, Parappanangadi, Neyyattinkara & Nilambur Municipalities.
- ❖ Council approval is pending for 1 proposal from Palakkad ULB.

#### **Source of funds for excess CA:**

- ❖ 35 additional SWAP 3 proposals from AMRUT 2.0 Cities for ₹ 261.169 Cr. were shortlisted by the SLTC based on the total outlay, considering that there was an excess of only ₹1.79 Cr. from the available CAPEX.
- ❖ However, on further verification, an excess in Central assistance of ₹ 15.74 Cr. has been noticed. The identified excess of ₹15.74 Cr. in Central assistance can be covered by utilizing unspent funds from the water supply sector of Tranches 1 & 2.
- ❖ Despite approval for 28 micro water supply schemes worth ₹53.204 Cr., administrative sanctions (AS) could only be issued for 14 projects totaling ₹12.68 Cr.

- ❖ The 8th SHPSC decided to temporarily cancel micro water supply schemes in Sreekandapuram & Wadakkancherry ULBs, with a combined value of ₹24.885 Cr. ((₹8.81 Cr. & ₹16.075 Cr. respectively) due to long pending DPRs. It was also decided that, if any prospective DPR adhering to all statutory requirements is through at later stages can be considered based on its viability in terms of Quality and Quantity assessment (Yield testing)
- ❖ A proposal for a comprehensive water supply scheme in Kasaragod district, including the construction of a mini dam, has been submitted for JICA funding by KWA for an estimated cost of ₹600 Cr. As a result, funds initially earmarked for micro water supply schemes in Neeleswaram and Kanhangad ULBs, amounting to ₹11.66 Cr. and ₹5 Cr. respectively, are expected to be saved in the absence of receipt of DPRs
- ❖ Additionally, the Nileswaram ULB vide letter No: 10676/21 has cancelled the Kizhakkera and Kadinhikuzhi project, Idichudi Project, Neelaiy project and Palayi projects through council resolution and has intimated this office about the cancellation of the four projects worth ₹ 6.75 Cr.
- ❖ Based on experience in AMRUT 1.0, savings can be expected under AMRUT 2.0. Therefore, the Committee may consider approving the recommended 72 water supply projects under SWAP 3, amounting to ₹552.478 Cr., with anticipated savings from Tranches 1 & 2.

**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 approved SWAP 3 proposals and the buffer list are attached as Annexures – 2&3.
- ❖ 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 Nileswaram ULB worth ₹ 6.75 Cr.
  1. Drinking Water Supply Scheme in Kizhakkekara and Kadinhikuzhi Area in Nileswaram Municipality- CAPEX ₹ 1.25 Cr.
  2. Drinking Water Supply Scheme in Idichudi Area in Nileswaram Municipality-CAPEX ₹ 2.0 Cr.
  3. Drinking Water Supply Scheme in Neelayi Area in Nileswaram Municipality- CAPEX ₹ 1.0 Cr.
  4. Drinking Water Supply Scheme in Palayi Area in Nileswaram Municipality- CAPEX ₹ 2.5 Cr

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

Under AMRUT-2.0, Rs.902.17 Cr. was allocated for the Sewerage & Septage Sector of 9 AMRUT Cities, out of which Rs.12.4 Cr. was transferred to the Water Supply Sector and the available fund is Rs.889.77 Cr. In addition to this, the ULBs can also use the floating fund of Rs.636.16 Cr. allocated to them under AMRUT-2.0 for taking up projects in both Water Supply and Sewerage & Septage Sectors.

Projects worth Rs.492.87 Cr. (Capex), were approved under SWAP-1 (Rs.104.63 Cr. – Thiruvananthapuram Corporation) and SWAP-2 (Rs.388.24 Cr. – Kollam, Kochi & Kozhikode Corporations). Out of this, projects worth Rs.35.07 Cr. (Thiruvananthapuram Corporation) were transferred from SWAP-1 to AMRUT-1.0 as decided by the 35<sup>th</sup> SHPSC of AMRUT-1.0 in order to utilize the available funds. As a result, the SWAP-1 amount has been reduced to Rs.69.56 Cr. Hence the total amount of the projects approved under SWAP-1 & SWAP-2 has reduced to Rs.457.81 Cr.

SWAP-3 proposals worth Rs.141.75 Cr. (Capex) of Kochi and Thrissur Corporations and Alappuzha and Palakkad Municipalities have been approved so far. The SWAP-3 projects of Kollam, Thrissur, Kannur, Thiruvananthapuram and Kozhikode Corporations, and Guruvayur and Alappuzha Municipalities, worth totally Rs.450.40 Cr., are placed in this SHPSC for approval.

The proposal of Thrissur Corporation is placed in this SHPSC in anticipation that the clearance of the State Level Monitoring Committee (SLMC) for the proposed land will be obtained soon. Considering the urgency to comply with the NGT directives the above-mentioned proposal is included in this SHPSC to avoid further delay in the finalization and submission of the SWAP-3 proposals to MoHUA for approval. The funds available with the ULBs are proposed to 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.

**SWAP-3 Proposals – This SHPSC:**

Sl. No.	ULB	Name of Work	Amount as per CWAP			Major Components	HH Benefitted (No.)	Cost per HH Benefitted (₹ Cr.)
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)			
1	Kannur	5 MLD STP at Maithanapalli with 130 KLD septage co-treatment ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	124.00	16.00	140.00	1. STP - 5 MLD 2. Septage Co-treatment - 130 KLD 3. Sewer Network - 41 km 4. Pumping Main - 1 km 5. Pumping Station - 10 nos.	76814	16143
2	Guruvayur	Augmentation of existing 3 MLD STP at Chakkamkandam to 5 MLD with 20 KLD septage co-treatment and treatment of polluted water of Valiyathodu ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	21.00	4.15	25.15	1. Augmentation of 3 MLD STP to 5 MLD 2. Septage Co-treatment - 20 KLD 3. Interception & diversion work for the purification of canal 4. Sewer Network - 2.75 km	20744	10123
3	Kollam	Sewer network - Asramom package (for Kureepuzha STP) ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	32.14	5.24	37.38	1. Sewer Network - 8.10 km 2. Pumping Main - 0.76 km 3. Pumping Station - 1 no.	2301	139660
4	Kollam	Sewer network - Karumalil & Vaady package (for Kureepuzha STP) ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	24.76	5.24	30.00	1. Sewer Network - 2.22 km 2. Pumping Main - 0.64 km 3. Pumping Station - 2 nos.	3275	75590
5	Kollam	Sewer network - Iron Bridge package (for Kureepuzha STP) ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	27.37	5.17	32.54	1. Sewer Network - 4.40 km 2. Pumping Main - 2.95 km 3. Pumping Station - 1 no.	3566	76748
6	Thrissur	Decentralised Sewerage Scheme for Thrissur Corporation ❖ Land Availability: Yes (SLMC clearance is awaited) ❖ Council Approval: Yes ❖ Implementing Agency: ULB	64.20	6.00	70.20	1. STP - 2.5 MLD 2. Sewer Network - 25 km 3. Pumping Main - 2 km 4. Pumping Station - 1 no.	2700	237778
7	Thiruvananthapuram	Sewerage works (13 nos.) of Sewerage Division, KWA, Pattoor ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	15.52	0.78	16.30	1. Sewer Network (New) - 2.19 km 2. Sewer Network (Replacement) - 2.02 km 3. Manholes (New) - 152 nos. 4. Manholes (Rehabilitation) - 308 nos.	52669	2947
8	Thiruvananthapuram	Sewerage work (5 nos.) related to the action plan of Karamana River ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: KWA	7.56	0.23	7.79	1. Sewer Network (Replacement) - 1.70 km 2. Manholes (Rehabilitation) - 89 nos. 3. Manhole (New) - 31 nos.	2150	35167

Sl. No.	ULB	Name of Work	Amount as per CWAP			Major Components	HH Benefitted (No.)	Cost per HH Benefitted (₹ Cr.)
			Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)			
9	Kozhikode	Sewerage System for Zone-A ❖ Land Availability: Yes ❖ Council Approval: Yes ❖ Implementing Agency: ULB	133.16	10.00	143.16	1. STP - 13 MLD 2. Sewer Network - 70 km 4. Pumping Main - 1 km 5. Pumping Station - 5 nos.	8000	166450
10	Alappuzha	Decentralised Wastewater Treatment for Bhajanamadom settlement in Kidangamparambu Ward ❖ Land Availability: Yes ❖ Council Approval: Anticipatory approval given by the Chairperson ❖ Implementing Agency: ULB	0.70	0.06	0.76	1. STP - 12 KLD 2. Sewer Network - 0.5 km	33	212121

450.40 52.87503.28

#### Fund Allocation Inclusive of Proposals Placed in This SHPSC:

Sl. No.	ULB	Implementing Agency	Fund Allocation (₹ Cr.)	Floating Fund (₹ Cr.)	Tranche-1		Tranche-2		Tranche-3 (Approved)		Tranche-3 (This SHPSC)		TOTAL		
					AS - CAPEX Cost (₹ Cr.)	No. of Projects (No.)	AS - CAPEX Cost (₹ Cr.)	No. of Projects (No.)	CAPEX Cost (₹ Cr.)	No. of Projects (No.)	CAPEX Cost (₹ Cr.)	No. of Projects (No.)	CAPEX Cost (₹ Cr.)	No. of Projects (No.)	Balance Amount (₹ Cr.)
1	Thiruvananthapuram	KWA	111.39		69.56	11					23.08	2	92.65	13	18.74
2	Kollam	KWA	57.17				39.04	1			84.26	3	123.30	4	-66.13
3	Kochi	KWA	195.48	21.15			185.00	1	31.63	2			216.63	3	0.00
4	Kozhikode	KWA & ULB	163.54	139.03			164.20	1			133.16	1	297.36	2	5.21
5	Alappuzha	KWA	67.95						64.85	1	0.70	1	65.55	2	2.40
6	Kannur	KWA	124.93								124.00	1	124.00	1	0.93
7	Palakkad	ULB	40.97						0.40	1			0.40	1	40.57
8	Thrissur	KWA & ULB	103.19						44.86	1	64.20	1	109.06	2	-5.87
9	Guruvayoor	KWA	25.15								21.00	1	21.00	1	4.15
			889.77	160.18	69.56	11	388.24	3	141.75	5	450.40	10	1049.95	29	0.00

#### 12th 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.

**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.
- ❖ The list of approved SWAP -3 proposal (SEW or Septage) is attached as Annexure -4.

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

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

Rejuvenation of water bodies is a significant component of the mission, with 4% of central project funds allocated for this purpose, and 1% earmarked for the development of green spaces and parks. A special SWAP comprising 255 projects for water body rejuvenation, amounting to ₹ 82.354 crore (CA-₹ 34.02 crore), was submitted and approved during the 6th Apex Committee meeting held on January 4, 2023.

Currently, Administrative Sanctions have been accorded for 234 water body rejuvenation projects worth ₹ 71.129 crore (CAPEX ₹ 66.2504 crore and O&M ₹ 4.8786 crore). During its 8th meeting, the SHPSC sanctioned the cancellation of 22 projects totaling ₹ 10.914 crore (Capex: ₹ 10.34 crore, O&M: ₹ 0.574 crore), replacing them with 18 projects costing ₹ 9.834 crore (Capex: ₹ 9.404 crore, O&M: ₹ 0.430 crore).

Eight ULBs have submitted DPRs for 16 replaced water body rejuvenation projects, seeking issuance of Administrative Sanction and the details are as follows.

### **Proposal for Granting Administrative Sanction to Replacement Projects for Waterbody Rejuvenation Schemes Approved by the 8th SHPSC as Substitutes for Cancelled Projects**

Sl No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
1	Alappuzha (M)	Amrut 2.0-Alappuzha municipality-Rejuvenation of Alisserry Temple pond. [CA-₹ 0.083 Cr, State share-₹ 0.127 Cr, ULB share- Rs 0.05 Cr]	0.250	0.010	0.260	58.0m long, 2.5 deep side protection works with stone masonry, ghats, footpaths, handrails, floating wetlands, aerators, fish stocking, etc.	6.18 Lat- 9.485587 Long- 76.331632
2	Alappuzha (M)	AMRUT 2.0 -Alappuzha Municipality-Rejuvenation of Pathiyamkulangara Temple Pond in Ervakad ward. [CA-₹ 0.1083 Cr, State share-₹ 0.163 Cr, ULB share- Rs 0.079 Cr]	0.325	0.025	0.350	Deepening, 88.0m long and 2.5m deep side protection works with stone masonry, ghats, footpaths, handrails, floating wetlands, aerators, fish stocking, etc.	16.8 Lat- 9.46738 Long- 76.337456
3	Aluva (M)	AMRUT 2.0 - 2022-2023-Rejuvenation of Mettukadavu in Aluva Municipality. [CA-₹ 0.0604 Cr, State share-₹ 0.045 Cr, ULB share- Rs 0.0175 Cr]	0.121	0.002	0.123	Maintenance of DR walls, maintenance of steps, bench for sitting, fixing of handrails, paving of chequered tiles, and provisions for covering the stormwater drain crossing.	River Lat- 10.1241 Long- 76.34486
4	Kochi Corporation	Rejuvenation of wells in various divisions of Kochi Municipal Corporation [CA-₹ 0.3333 Cr, State share-₹ 0.333 Cr, ULB share- Rs 0.3383 Cr]	1.000	0.005	1.005	Desilting, sidewall protection, pathway around the wells, repairing the drains, providing storage tank, electrification, etc.	26 Wells Lat- 9.96416 Long- 76.25503
5	Kollam Corporation	Rejuvenation Of Munnani Kulam and Development of a Park Adjacent to the Pond. [CA-₹ 0.133 Cr, State share-Rs 0.133 Cr, ULB share- ₹ 0.1533 Cr]	0.400	0.020	0.420	Deepening, water purifying systems, GI chain links, footpaths, 28.0m long and 3.0m deep protection wall, parapet wall, drain, etc.	9.39 Lat- 8.8864 Long-76.625

Sl No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
6	Kollam Corporation	Rejuvenation of Thamarakulam in Div 46 Thamarakulam [CA-₹ 1.1913 Cr, State share-₹ 1.192 Cr, ULB share- ₹ 0.22003 Cr]	0.574	0.029	0.603	Side wall repairing, 191.0M drain construction, covering slab, foot path, chain link, fencing, beeches, floating wet land etc.	19.28 Lat- 8.88324 Long- 76.586899
7	Kollam Corporation	Rejuvenation of Chirayilkulam at Div 20 Mangad [CA-₹ 0.224 Cr, State share-Rs 0.224 Cr, ULB share- Rs 0.257 Cr]	0.6716	0.0335	0.705	Desilting, 64.0 M protection wall, fencing, foot path, benches, floating wet land etc.	61.02 Lat- 8.9125 Long-76.613
8	Kollam Corporation	Rejuvenation of Vilayilkulam at Div 03 Meenathuchery. [CA-₹ 0.039 Cr, State share-Rs 0.039 Cr, ULB share- Rs 0.045 Cr]	0.118	0.006	0.124	Desilting, 12.0 M protection wall, fencing, floating wetland etc.	5.14 Lat- 8.9274 Long-76.561
9	Kollam Corporation	Rejuvenation of Fathimakulam at Div 22 Chathinakulam. [CA-₹ 0.009 Cr, State share-₹ 0.009 Cr, ULB share- Rs 0.0107 Cr]	0.028	0.001	0.029	Desilting, fencing, foot path, floating wetland etc.	9.24 Lat- 8.9213 Long-76.628
10	Kollam Corporation	Rejuvenation of Ezhuthil Kulam at Ezhuthil Mukku in Div 02. [CA-₹ 0.016 Cr, State share-Rs 0.016 Cr, ULB share- Rs 0.01861 Cr]	0.049	0.002	0.051	Desilting, repairing damaged protection wall, foot path, floating wetland etc.	6.49 Lat- 8.9188 Long-76.553
11	Kothamangalam (M)	Rejuvenation of Karinga Chira Ward - 06 of Kothamagalam Municipality. [CA-₹ 0.15 Cr, State share-Rs 0.122 Cr, ULB share- Rs 0.0375 Cr]	0.300	0.05	0.35	Deepening, 78.0m long,3.8m deep stone masonry protection wall, 60 m long drain, provision for water purification, hand rail, etc.	44.93 Lat- 10.076362 Long- 76.64397
12	Kothamangalam (M)	Rejuvenation of Maalakha Chira Ward - 10 of Kothamagalam Municipality. [CA-₹ 0.15 Cr, State share-Rs 0.122 Cr, ULB share- Rs 0.0375 Cr]	0.300	0.05	0.35	Deepening,45.0m long,5.0m deep stone masonry protection wall, 27.0m long drain, provision for water purification, handrail, etc.	27.8 Lat- 10.076326 Long- 76.64397
13	Mananthavadi	Amrut 2.0 Water Body Rejuvenation -Kumaramala pond in, Mananthavady Municipality-. [CA-₹ 0.055 Cr, State share-Rs 0.041 Cr, ULB share- Rs 0.0247 Cr]	0.110	0.011	0.121	11.0m long,3.55m deep stone masonry protection wall, provision for water purification, parapet wall, etc.	4.94 Lat- 11.8277058 Long- 75.8411403
14	Mananthavadi	Amrut 2.0 Water Body Rejuvenation - Adivaram Pond in Mananthavady Municipality. [CA-₹ 0.13 Cr, State share-Rs 0.097 Cr, ULB share- Rs 0.0375 Cr]	0.260	0.005	0.265	68.5m long, 4.8m deep stone masonry protection wall, provision for water purification, parapet wall, etc.	15.32 Lat- 11.821524 Long- 76.006596
15	Maradu (M)	Rejuvenation of VHSC Mamgail pond in Maradu Municipality. [CA-₹ 0.125 Cr, State share-Rs 0.094 Cr, ULB share- Rs 0.0512 Cr]	0.250	0.020	0.270	Deepening, 69.4 m and 3.5m deep protection works, handrail, footpath, floating wetlands, aerators, etc.	9.89 Lat- 9.9369751 Long- 76.3287618
16	Erattupetta	Rejuvenation of Nadakkal Nadakedom Parmbukulam in Ward 7 of Erattupetta Municipality. [CA-₹ 0.038 Cr, State share-Rs 0.029 Cr, ULB share- Rs 0.017 Cr]	0.076	0.0075	0.0835	Deepening, access to the well, handrail, water purification system., 9.25m long stone protection wall, etc.	3.46 Lat- 9.69165 Long- 76.785113
<b>TOTAL</b>			<b>4.8326</b>	<b>0.277</b>	<b>5.1096</b>		

### **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 ₹ 5.1096 crore, comprising CAPEX of ₹ 4.8326 crore and OPEX of ₹ 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.

### **Decision:**

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

- ❖ 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
  - 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.

### **Agenda Item No.9.6.2: CANCELLATION OF WATERBODY REJUVENATION PROJECTS APPROVED UNDER THE 2nd TRANCHE OF SWAP AND REPLACEMENT WITH NEW PROJECTS:**

255 projects for the Rejuvenation of Waterbodies worth ₹ 82.354 Cr. (CA- ₹ 34.02 Cr.) were approved by the 6th Apex committee held on 04.01.2023. Five ULBs have placed their request for the cancellation of seven projects worth ₹ 1.9487 Cr. (Capex-1.786 Cr, O & M – 0.1627) which cannot be implemented due to various reasons.

A total of 111 project proposals, amounting to ₹ 52.635 crore (Capex: ₹ 50.429 crore, O & M: ₹ 2.206 crore, Central Assistance: ₹ 19.827 crore), under the Rejuvenation of Water Bodies were approved by the 7th SHPSC under Tranche 3 for onward transmission to MoHUA. Two ULBs have requested the cancellation of two projects worth ₹ 0.33Cr. (Capex ₹ 0.31 Cr.; O & M of ₹ 0.02 Cr.). As a result, the total cost of cancelled projects now amounts to ₹ 2.2787 crore (Capex: ₹ 2.096 crore, O & M: ₹ 0.1827 crore).

These projects can be replaced with 4 new Waterbody Rejuvenation proposals of **three** ULBs worth ₹ 1.6052Cr. (1.4752 Cr, O & M - 0.13 Cr).

<b>WATERBODY REJUVENATION- PROJECTS TO BE CANCELLED</b>										
S. No	Tranche No	Name of ULB	Name of the work	Project Cost Cr	Capex (Cr)	O & M (Cr)	ULB share Cr	State share Cr	Central share Cr	Reason for Cancellation
1	II	Palakkad	Rejuvenation of Nambiar pond	0.88	0.8	0.08	0.213	0.4004	0.266	NOC not obtained. Private pond
2	II	Palakkad	Rejuvenation of Manalancheri Pond	0.316	0.2873	0.0287	0.0765	0.1436	0.0956	NOC not obtained. Private pond

WATERBODY REJUVENATION- PROJECTS TO BE CANCELLED										
S. No	Tranche No	Name of ULB	Name of the work	Project Cost Cr	Capex (Cr)	O& M (Cr)	ULB share Cr	State share Cr	Central share Cr	Reason for Cancellation
3	II	Kottarakkara	Rejuvenation of Ganapathy Temple Pond Ward No 25	0.05	0.05	0.001	0.0071	0.0184	0.0245	Work will be arranged using another fund because the allotted AMRUT fund is insufficient.
4	II	Nilambur	Amrut 2.0- Fencing And Beautification Of Kaduvakkulam Nilambur Municipality in Ward-29	0.165	0.15	0.015	0.0337	0.0563	0.075	The land was not included in the Asset register
5	II	Pandalam	AMRUT 2.0 Rejuvenation of Cheruvallikuzhi Kulam	0.0510	0.050	0.001	0.00725	0.0191	0.025	NOC not obtained. Private pond
6	II	Pandalam	AMRUT 2.0 Rejuvenation of Amappuram Kulam in Ward 26	0.1020	0.100	0.002	0.015	0.037	0.05	Work arranged using Irrigation dept fund.
7	II	Malappuram	AMRUT 2.0 Rejuvenation of Mannoor Shivakshethra Temple Pond in Malappuram Municipality ward 18	0.385	0.350	0.035	0.0787	0.13125	0.175	There is a dispute between the temple committees over the ownership of the land, which is hampering the start of the work. Hence, the project has been canceled.
Total Savings in Tranche II				1.9487	1.786	0.1627	0.4313	0.806	0.7111	
8	III	Thiruvananthapuram	AMRUT 2.0 Maintenance of Kulavarambil Kulam in Muttada Ward	0.29	0.27	0.02	0.09	0.09	0.09	The rejuvenation work of the proposed pond has been undertaken under the ULB's plan fund, and the work is in progress.
9	III	Thaliparamba	Rejuvenation of pond at Puzhakulangara	0.04	0.04	0	0.005	0.015	0.02	The project was included and completed as part of the annual plan for 2023-24. Therefore, it has been canceled from the AMRUT project.
Total Savings in Tranche III				0.33	0.31	0.02	0.095	0.105	0.11	
Total Savings in Tranche II & III				2.2787	2.096	0.1827	0.5262	0.911	0.8211	

## LIST OF REPLACEMENT PROPOSALS

Sl No.	Name of ULB	Name of the work,	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	ULB share Cr.	State share Cr	Central Assistance Cr	Major Components as per DPR	Extent in cent. Latitude, Longitud e
1	Pandalam	AMRUT 2.0 Rejuvenation of Thalakkottuchira pond and development of park at Pandalam Municipality	0.3752	0.05	0.4252	0.0969	0.140	0.1876	Dredging and desilting, Repair of existing stone masonry, handrail, pathway, Landscaping and tree planting, Electrification, Installation of open gym equipment, Water sprinkling system, creation of a planted gravel wetland for inlet drainage.	Area :170 cent Lat:9.2162 89 Long:76.6 93189
2	Koyilandy	Rejuvenation of Vadakkumpatt illam pond	0.3	0.03	0.33	0.068	0.112	0.15	Dredging and desilting, Repair of existing stone masonry, handrail, pathway, Landscaping and tree planting,- Electrification,	Area: 4 cent Lat: 11.4764 Long: 75.7177
3	Thiruvanant -hapuram Corporation	AMRUT 2.0- Rejuvenation of Pinakkottukonam Pond in Chembazanthy Ward	0.3	0.02	0.32	0.119	0.101	0.10	Dredging and desilting, Repair of existing stone masonry, handrail, pathway, Supplying and Planting Floating wetland. Electrification	Area :100. cent Lat: 8.566128 Long: 76.896546
4	Thiruvanant hapuram Corporation	AMRUT 2.0- Rejuvenation of Charachira Pond in Nanthancode Ward	0.5	0.03	0.53	0.1966	0.167	0.1667	Desilting, Supplying and Planting Floating wetland, Installing Surface floating Aerator, Electrification.	Area: 184 cent Lat: 8.516086 Long: 76.9492
			<b>1.4752</b>	<b>0.13</b>	<b>1.6052</b>	<b>0.4805</b>	<b>0.52</b>	<b>0.6043</b>		

According to Clause 6.9.1 of the AMRUT 2.0 Guidelines, the SHPSC is authorized to approve the replacement of projects costing up to 10% of the respective tranche of SWAP within the eligible project components of AMRUT 2.0.

In its 8th meeting, the SHPSC sanctioned the cancellation of 22 projects amounting to ₹ 10.914 crore (Capex: ₹ 10.34 crore, O&M: ₹ 0.574 crore) and their replacement with 18 projects costing ₹ 9.834 crore (Capex: ₹ 9.404 crore, O&M: ₹ 0.430 crore). It is noteworthy that the current replacement proposal remains well within the 10% limit of Tranche 2 funds, totaling ₹ 683.07 crore.

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

- ❖ The SLTC recommended canceling 9 water body rejuvenation projects amounting to ₹ 2.2787crore (Capex: ₹ 2.096 crore, O & M: ₹ 0.1827 crore) and substituting them with four new projects amounting to ₹ 1.6052crore (Capex: ₹ 1.4752 crore, O & M: ₹ 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. For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access is not denied.

#### **Decision:**

- ❖ The committee took note of the recommendations of the SLTC and decided as follows;
- ❖ The Committee approved the cancellation of Nine water body rejuvenation projects amounting to ₹ 2.2787 crore (Capex: ₹ 2.096 crore, O & M: ₹ 0.1827 crore) and authorized the substitution with four new projects amounting to ₹ 1.6052crore (Capex: ₹ 1.4752 crore, O & M: ₹ 0.13 crore).
- ❖ This approval is subject to the condition that
  - The ULB Secretaries provide an undertaking to the Mission Director of AMRUT regarding land ownership for the substituted projects.
  - For ponds owned by religious authorities, an undertaking must be obtained from the relevant religious authority ensuring that public access is not denied.

### **Agenda Item No.9.6.3: AMRUT 2.0- REVISION OF ADMINISTRATIVE SANCTION FOR TWELVE PROJECTS:**

Twelve proposals from six Urban Local Bodies have been received for revising the Administrative Sanction of water body rejuvenation projects, citing tender excess, design changes, or estimate revisions.

The following is a summary of the same.

- The Municipalities of Eloor and Thrippunithura requested a revision of Administrative Sanction (AS) due to tender excess of 9.09% and 8.9335% respectively, above the tendered cost (PAC). The tender excess has been approved by the respective ULBs as per the prevailing Govt. Order [GO (P)No.16/2017/Fin. Dated 06/02/2017] of Finance Department maximum admissible contract PAC shall be limited to the LMR or prevailing DSR + 10% tolerance limit, whichever is lower.
- Pandalam, Mukkom, Perinthalmanna and Palakkad municipalities requested revision of the Administrative Sanction (AS) due to estimated revision.

The Central Government may not fund the tender excess amount if the awarded contract cost exceeds the appraised cost. Consequently, the tender excess amount may need to be borne by the State and the respective ULB. In its 8th meeting, the SHPSC decided that for AMRUT 1.0 cities, 75% of the amount due to tender excess may be covered by the ULB, with the remaining 25% covered by the State. For AMRUT 2.0 cities, 50% of the amount due to tender excess may be covered by the ULB, with the remaining 50% covered by the State.

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

ULB	Name of work	Reason	AS Amount (Cr.)	Revised AS Amount (Cr.)	Total Additional Amount (Cr.)	Tender excess State share (Cr.)	Tender excess ULB share (Cr.)
Eloor	Rejuvenation and Renovation of Edampadam Pond in Ward no: 24 of Eloor Municipality	Tender excess-9.09 %.	0.40	0.430039	0.030039	0.01502	0.01502
Thrippunit hura	Rejuvenation of Thammandi pond at Tripunithura Municipality	Tender excess- 8.9335%	0.50	0.555	0.055	0.0275	0.0275
	<b>TOTAL</b>		<b>0.90</b>	<b>0.985039</b>	<b>0.085039</b>	<b>0.04252</b>	<b>0.04252</b>

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

ULB	Name of work	Reason	AS Amount (Cr.)	Revised AS Amount (Cr.)	Excess Amount (Cr.)	Excess Central Share (Cr.)	Excess State share (Cr.)	Excess ULB share (Cr.)
Pandalam	Rejuvenation of Sastha Kshethra Kulam in Ward 33. [Area- 5.0 cents]	Depth of pond is more than anticipated. A Bathing Ghat is also required. Rubble masonry, foot paths, handrails, floating wetlands etc.	0.102	0.240	0.138	0.069	0.052	0.01725
Pandalam	Rejuvenation of Venkulathil Kulam in Ward 3. [ Area - 5.0 cents & drain]	Depth of the pond is more than anticipated. Connecting the drain has to be improved. Rubble masonry, foot paths, handrails, floating wetlands etc.	0.050	0.192	0.142	0.071	0.053	0.018
Palakkad	Rejuvenation of Vaidhyanathaswami Pond. [103 cents]	The recorded area in the village survey is 103 cents, significantly higher than the estimated area of 16 cents. To ensure the protection of the area in accordance with the records, additional funds will be required. Desilting, Rubble masonry [198m <sup>3</sup> ], foot paths, handrails, floating wetlands etc.	0.18	0.695	0.515	0.171	0.258	0.086
Mukkam	Amrut 2.0 - Rejuvenation of Aasarimakkal Pond in Division 27. [Area: 2Cent, Lat:11.34806 Long: 75.96417]	The initial estimate focused solely on basic repair works and was minimal. Therefore, additional provisions such as dredging and desilting, repairing existing stone masonry, handrails, pathways, and supplying and planting Floating Wetlands are now essential.	0.016	0.1023	0.0863	0.043	0.032	0.011

ULB	Name of work	Reason	AS Amount (Cr.)	Revised AS Amount (Cr.)	Excess Amount (Cr.)	Excess Central Share (Cr.)	Excess State share (Cr.)	Excess ULB share (Cr.)
Perinthalmanna	Nariyengal kulam Rejuvenation. [Area 4.0 cents; Lat-10.9838; Long-76.2318]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.10	0.20	0.10	0.05	0.0375	0.0125
Perinthalmanna	Cherukulam Rejuvenation: [Area-2 Cents; Lat-10.96312; Long-76.23721]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.04	0.135	0.095	0.0475	0.035	0.012
Perinthalmanna	Parakottukulam Rejuvenation; [Area-2.0 cents; Lat-10.9644; Long-76.2583]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.04	0.1771	0.1371	0.069	0.051	0.017
Perinthalmanna	Melecholakulam; [Area- 5.0 Cents; lat-10.961; Long-76.2568]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.10	0.1217	0.0217	0.01	0.008	0.002
Perinthalmanna	Aanakundmundathappalamkal; [Area-3.0 Cents; Lat -10.98857; Long-76.2262]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.04	0.16	0.12	0.06	0.045	0.015
Perinthalmanna	Chaliyamkulam; [Area- 5.0 Cents; Lat-0.9936; Long-76.23394]	The initial estimate concentrated solely on basic repair works and was minimal. More comprehensive protection is needed than initially anticipated.	0.08	0.12	0.04	0.02	0.015	0.005
<b>Total</b>			<b>0.748</b>	<b>2.143</b>	<b>1.395</b>	<b>0.611</b>	<b>0.587</b>	<b>0.197</b>

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

The SLTC recommended the revision of the Administrative Sanction for the above twelve waterbody rejuvenation projects to the SHPSC under the following conditions:

[a] 50% of the tender excess shall be funded by the ULB, with the remaining 50% funded by the State.

[b] Any additional costs due to extra works shall be covered from savings within the water body rejuvenation sectors of SWAP-1 & 2.

**Decision:**

- ❖ The committee took note of the recommendations of the SLTC and decided as follows;
- ❖ The Committee accorded the revision of the Administrative Sanction for the above twelve waterbody rejuvenation projects under the following conditions:
  - [a] 50% of the tender excess shall be funded by the ULB, with the remaining 50% funded by the State.
  - [b] Any additional costs due to estimate revision shall be covered from savings within the water body rejuvenation sectors of SWAP-1 & 2.

**Agenda Item No.9.6.4: APPROVAL OF STATE WATER ACTION PLAN- TRANCHE III-SWAP-3 PROPOSALS:**

Rejuvenation of Water Bodies is a significant component under the AMRUT 2.0 mission. Specifically, 4% of the central project funds are earmarked for this purpose, and 1% allocated for the development of Green Spaces and Parks.

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is ₹ 3495.0 Cr, with a Central Assistance of ₹ 1372.0 Cr. Out of the total fund, 4% (₹ 54.88 Cr.) is allocated for the Rejuvenation of Water Bodies, and 1% (₹ 13.72 Cr.) is allocated for Developing Green Spaces and Parks Projects.

**Waterbody Rejuvenation Projects:**

In Tranche 2, a total of 255 projects aimed at rejuvenating water bodies were initially submitted, totaling ₹ 82.354 crore (Capex: ₹ 76.27 Cr). Out of this, ₹ 34.02 crore was approved as Central Assistance. These projects received approval during the 6th Apex Committee meeting held on January 4, 2023. Subsequently, in its 8th meeting, the SHPSC approved the cancellation of 22 projects amounting to ₹ 10.914 crore (Capex: ₹ 10.34 crore, O&M: ₹ 0.574 crore) and their replacement with 18 projects costing ₹ 9.834 crore (Capex: ₹ 9.404 crore, O&M: ₹ 0.430 crore). As of now, the updated figures for Tranche 2 are: Project Cost: ₹ 81.491 crore; Capex: ₹ 75.768 crore; O& M; ₹ 5.723 crore; Central Assistance: ₹ 33.314 crore.

Under Tranche 3, the 7th and 8th SHPSC have approved 114 project proposals with a total cost of ₹ 53.175 crore and a capital expenditure (Capex) of ₹ 50.908 crore, which includes central assistance of ₹ 20.1693 crore. This includes two cancellation proposals. Additionally, new project proposals amounting to ₹ 8.96 crore are being submitted for this committee's approval, which includes a Capex of ₹ 8.42 crore and central assistance of ₹ 3.8267 crore. The updated figures for Tranche 3 are: Project Cost: ₹ 62.135 crore; Capex: ₹ 59.328 crore; O& M; ₹ 2.807 crore; Central Assistance: ₹ 23.996 crore. As of now, the Total Project Cost across all tranches stands at ₹ 143.6264; Capex: ₹ 135.096 crore; O& M: ₹ 8.53 Cr and Central Assistance: ₹ 57.31 crore. This exceeds the sanctioned central assistance of ₹ 54.88 crore by ₹ 2.43 crore. Any additional funds required will be sourced from savings within the same sector.

### Developing Green Spaces and Parks Projects:

Under Tranche 3, the 7<sup>th</sup> SHPSC approved 69 project proposals amounting to ₹ 38.495 crore under this sector. This includes ₹ 34.37 crore for Capex, ₹ 4.125 crore for O & M, and ₹ 15.478 crore as Central Assistance.

The Central Assistance approved for these projects totals ₹ 15.478 crore, which exceeds the sanctioned amount of ₹ 13.72 crore. As observed from past experiences, challenges have been faced in fully utilizing central assistance for various reasons. Therefore, an additional project proposal of ₹ 2.227 crore [Capex- ₹ 2.027; Central Assistance – ₹ 1.0135 Cr] is being submitted for the approval of this Committee.

**As of now, the Total Project cost stands at ₹ 40.722 crore; Capex ₹ 36.397 Crore; O& M: ₹ 4.325 crore; Central Assistance ₹ 16.4915 crore. The Central Assistance is exceeding the sanctioned amount of ₹ 13.72 crore by ₹ 2.7715 crore.**

#### [A] New Proposals for Waterbody Rejuvenation Projects

SI No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
1	VALANCHERRY [CA-0.235 State Share -0.176 ULB share-0.1287]	Rejuvenation of Anthimahakalan Kulam	0.47	0.07	0.54	Desilting, side protection, hand rails, foot path, floating wet lands, electrification etc.	14.08 Lat-10.88695 Long-76.06636
2	MANJERI (M) [CA0.75; State Share -0.6060 ULB share-0.1937]	AMRUT 2.0 – Rejuvenation of Nedugappara Quarry by Urban Green Belt and water conservation and beautification project.	1.5	0.05	1.55	Pond construction, drainage, site development, retaining wall for pond, aerators etc.	2594.6 [26 Acre] Lat-11.12032 Long-76.17728
3	SHORANUR (M) [CA-1.25 State Share – 0.981 ULB share-0.31875]	AMRUT 2.0 – Renovation of Eruppekulam at Kavalappara in Shoranur Municipality	2.50	0.05	2.55	Desilting, side protection, hand rails, foot path, floating wet lands, electrification etc.	111.21 Lat-10.76712 Long-76.29903
4	SHORANUR (M) [CA-0.375; State Share – 0.325; ULB share-0.10]	AMRUT 2.0 – Rejuvenation of Anthimahakalankulam in Ward 31 of Shoranur Municipality	0.75	0.05	0.80	Desilting, drain construction, side protection, hand rails, foot path, floating wet lands, electrification etc.	222.42 Lat-10.7852 Long-76.27265
5	SHORANUR (M) [CA-0.40; State Share -0.344 ULB share-0.1062]	AMRUT 2.0 – Rejuvenation of Kulancherikulam in Ward 13 of Shoranur Municipality	0.80	0.05	0.85	Desilting, side protection, hand rails, foot path, landscaping, floating wet lands, electrification etc.	98.6 Lat-10.771 Long-76.27788
6	THRISSUR [CA- 0.1667 Cr. State Share- 0.2 Cr. ULB Share-0.1833 Cr.]	AMRUT 2.0 - SWAP 3 - Rejuvenation works of Vettuvankulam (Div 32)	0.5	0.05	0.55	1) Cleaning 2) Side protection works 3) interlock paving 4) Gate & Handrail	50.166 Lat-10.488921 Long-76.222948

Sl No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
						5) Beautification works	
7	THRISSUR [CA- 0.2833 Cr. State Share- 0.3170 Cr. ULB Share-0.30 Cr.]	AMRUT 2.0 - SWAP 3 - Rejuvenation of Sree Dharamangalam Pond (Div 41)	0.85	0.05	0.9	1) Cleaning 2) DR Masonry works 3) interlock paving 4) Gate & Handrail 5) Beautification works	37.069 Lat-10.4954 Long-76.2046
8	THRISSUR [CA- 0.07 Cr. State Share- 0.097 Cr. ULB Share-0.0833Cr.]	AMRUT 2.0 - SWAP 3 - Renovation of Panniamkulangara Lakshmi Varahamoorthy Pond (Div 55)	0.21	0.04	0.25	1) Cleaning 2) DR masonry works 3) RR Masonry works 4) interlock paving 5) GI chain-link fencing works	50.1669 Lat-10.529749 Long-76.18326
9	THRISSUR [CA- 0.08 Cr. State Share- 0.1Cr. ULB Share-0.09 Cr.]	AMRUT 2.0 - SWAP 3 - Renovation works of Mambazhakkadkulam (Div 43)	0.24	0.03	0.27	1) Cleaning 2) DR masonry works 3) interlock paving	120.1042 Lat-10.479472 Long-76.202769
10	THRISSUR [CA- 0.1167 Cr. State Share- 0.133 Cr. ULB Share-0.09999 Cr.]	AMRUT 2.0 - SWAP 3 - Renovation of Koodamkulam Div 04)	0.3	0.05	0.35	1) Cleaning 2) DR masonry works 3) interlock paving	24.9597 Lat-10.56166 Long-76.214574
11	THRISSUR [CA- 0.1 Cr. State Share- 0.15Cr. ULB Share-0.09999Cr.]	AMRUT 2.0 - SWAP 3 - Rejuvenation of Anakkulam Well (Div 47)	0.3	0.05	0.35	1) Well 2) RCC water tank 3) Distribution lines 4) Entrance gateway	2.7184 Lat-10.525297 Long-76.170806
<b>TOTAL</b>			<b>8.42</b>	<b>0.54</b>	<b>8.96</b>		

**[B] New Proposals for Developing Green Spaces and parks Projects.**

Sl No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
1	GURUVAYOOR [CA-0.05 State Share - 0.0375 ULB share- 0.0225]	AMRUT 2.0- Happiness Park at Chamundeswary Temple Road.	0.1	0.01	0.11	Civil works, Childrens play equipment, Divyang friendly features and others (Electrification)	1.48 Lat-10.601 Long-76.04027

Sl No.	Name of ULB	Name of the work	Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	Major Components as per DPR	Extent in cent
2	GURUVAYOOR [CA- 0.05 State Share – 0.0375 ULB share – 0.0225]	AMRUT 2.0- Happiness Park at Karakkad.	0.1	0.01	0.11	Civil works, Childrens play equipment, Divyang friendly features and others (Electrification)	1.48 Lat-10.5898 Long-76.03942
3	CHANGANASSERY (M) [CA- 0.11 State Share – 0.0825 ULB share – 0.0575]	AMRUT 2.0 – Construction of park near Chithrakulam pond	0.22	0.03	0.25	Civil works, Open gym, Horticulture	11.61 Lat- 9.44251 Long-76.540537
4	KASARAGOD [CA- 0.8035 State Share – 0.6035 ULB share – 0.35]	AMRUT 2.0 - ENHANCEMENT OF NELLIKUNNU BEACH AT KASARAGOD MUNICIPLAITY	1.60 7	0.15	1.757	Civil works, Childrens play equipment, others (Lighting system)	36.82 Lat- 12.505272 Long-74.972531
<b>TOTAL</b>			<b>2.027</b>	<b>0.20</b>	<b>2.227</b>		

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

The Chair asked about plans for funds beyond the total outlay. In response, the Mission Director of AMRUT clarified that any extra funds needed would come from savings within the same sector. Furthermore, when compared with the total central allocation of ₹ 1372, the additional funds required for waterbody rejuvenation works are minimal.

- ❖ The proposal for the rejuvenation of Water Bodies costs ₹ 8.96 crore (Capex ₹ 8.42; O & M ₹ 0.54), and the project for developing Green Spaces and Parks costs ₹ 2.227 crore (Capex ₹ 2.027 crore; O & M ₹ 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.

#### **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.

## **Agenda Item No. 9.7: GENERAL AGENDA**

### **Agenda Item No. 9.7.1: 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.

31 projects from 13 ULBs in Kerala, worth ₹ 298.35 lakh, have been selected and approved by the MoHUA. These include:

- 8 projects for water sample collection and testing (KWA)
- 10 projects for water bill reading (KWA)
- 13 projects for O&M of parks and playgrounds

Work orders were issued for 18 works (11 parks, 2 quality tests & 5 Water meter readings) and 29 SHGs were onboarded with 118 SHG members. 11 works were started on-site.

The MoHUA has released 1st instalment of ₹ 74.5875 lakhs in March 2024. Expenditure incurred so far is ₹ 4.84 lakhs.

#### **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.

**Action taken:** Work orders were issued for 21 works. 10 pending are expected by 10<sup>th</sup> of August 2023.

#### **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.

**Agenda Item No.9.7.2: 24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF THE STATE-LEVEL TASK FORCE.**

The Government vide GO(Rt) No.1627/2022/LSGD dated 07.07.2022. had constituted the State Level Task Force (STF) on Drink from Tap (DFT) under the chairmanship of Technical Member, Kerala Water Authority and reconstituted vide G.O.(Rt)No.1891/2023/LSGD dated 25.09.2023.

The Additional Secretary and National Mission Director (AMRUT), Ministry of Housing and Urban Affairs vide DO No. Q-12011/8/2021-CPHEEO, dated 9th April 2024, has now informed that the Ministry has re-constituted the National Task Force (NTF) on Drink from Tap Water Supply under the Chairperson of Additional Secretary & National Mission Director (AMRUT). Therefore, it has been asked to re-constitute the State Level Task Force (STF) on DFT **under the chairmanship of the Principal Secretary (PHED/UD) or State Mission Directors (AMRUT)** to continuously interact with the NTF for planning, design, and implementation of Drink from Tap 24x7 water supply projects. The new tentative composition as per the DO letter and approved composition by the SLTC are as follows;

		<b>Tentative Composition as per DO letter</b>	<b>STF Reconstituted by 12<sup>th</sup> SLTC</b>
1	Chairperson	Principal Secretary (PHED/UD)/State Mission Director -AMRUT	State Mission Director -AMRUT
2	Co-Chairperson	State Level Technical Head in Water Supply Department/Agency, i.e., Chief Engineer/ Engineer-in-Chief/Engineering Director etc.	Technical Member KWA
3	Member	Chief Engineer/ Superintending Engineer from Director of Municipal Administration of the State	Chief Engineer, LSGD
4	Member	Hydraulic Engineer	Chief Engineer, Projects & Operations, Kerala Water Authority
5	Member	Professor of Environmental Engineering from IIT/NITs/ reputed Engineering Colleges	Head of the Department (Civil), CET
6	Member	Expert on Water Resource Management	Chief Engineer, Irrigation& Administration
7	Member	GIS Expert/Hydraulic Modelling Expert	GIS Expert/Hydraulic Expert, Centre for Water Resources Development and Management (CWRDM), Kozhikode
8	Member	PPP Expert at State level	Chief Engineer PWD (KRFB)
9	Member	SCADA/Automation/ IOT Expert	Executive Engineer (Operations), Jalabhavan KWA
10	Member Secretary	Executive Engineer at STF Co-Chairperson's Office	Executive Engineer Project Implementation Unit-2, Jalabhavan, KWA
11	Member		Deputy Mission Director, AMRUT
12	Member		Chief Engineer, WASCON, Kerala Water Authority

**The major changes proposed in the composition are;**

- **Chairman**- Principal Secretary (PHED/UD) or State Mission Directors (AMRUT)
- **PPP Expert at State level** – CE PWD (KRFB) instead of Additional Director (General), Industrial Department.
- NGO Member has been excluded from the new tentative composition.

**Terms of reference of State level Taskforce are as under;**

1. Assess the number of AMRUT cities in their respective States/UTs and monitor the cities which will be implementing 24X7 water supply projects and regularly interact with the National Task Force.
2. Support cities in establishing a city level Task Force (CTF) on 24 X7 water supply system and extend handholding support.
3. Organize State/region wise meeting inviting all the City Engineers for AMRUT cities for handholding and dissemination of knowledge on 24 X7 water supply.
4. Emphasize on the immediate goals and need for implementation of 24 X7 Water Supply in AMRUT Cities, in at least one ward or one DMA or District Metering Areas with about 2000 households as envisaged under AMRUT 2.0.
5. Organize the capacity building program and training to all the respective engineers/staff working in the cities regarding 24 X7 water supply.
6. Ensure that all the cities have sustainable and 95% reliable water source. To ensure this, members of STF shall take up site visits as and when required.
7. Disseminate various components for implementation on 24 X7 water supply brought out in the "Guidelines for Planning, Design and Implementation of 24 X7 Water Supply Systems" and revised Manual on Water Supply and Treatment, to be published by the Ministry
8. Identify and study the national and international best practices of 24 X7 water supply from the viewpoint of effectiveness, efficiency, sustainability, impact and share the success and failure experiences. The service delivery models, O&M, community engagement, institutional setup, adopted technology and lessons applicable/learnt to Indian cities will be identified and shared with the cities in the states.
9. Extend handholding support to cities in preparing City Water Balance Plan, Detailed Project Reports (DPR)s, and reduction in Non-Revenue Water (NRW).
10. Advise cities in setting up Non-Revenue Water (NRW) cells in all AMRUT Cities in the State.
11. Standardize the rate for works relating to surveying and hydraulic modelling, SCADA implementation etc. and DPR preparation and request cities to maintain uniform rate of charge across the State/UT
12. Advise cities to undertake the initiatives of capacity building, institutional strengthening of utilities, and facilitating the twinning program for Cities / ULBS within and outside the Country.
13. Monitor, the city's 24 X7 water supply projects on the Web Portal which will be developed by CPHEEO to maintain data on digital mode and also monitor MIS on 24 X7 Water Supply Systems.
14. The duration of the STF shall be initially for 3 years (2022-2024) and will be extended till completion of AMRUT 2.0.

**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:**

	<b>STF</b>	<b>Designation</b>
1	Chairperson	State Mission Director -AMRUT
2	Co-Chairperson	Technical Member KWA

#	STF	Designation
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, Centre for Water Resources Development and Management (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

**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, Centre for Water Resources Development and Management (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

**Agenda Item No.9.7.3: SELECTION OF THE PROJECT DEVELOPMENT MANAGEMENT CONSULTANCY**

The Government has approved the modified RFP for the PDMC services as per G.O.(Rt)No.1276/2023/LSGD dated 19.6.2023 and it was published on the CMD Portal on 20.6.2023. The deadline for online bid submission was 10.08.2023 and the deadline for submitting hard copies of bids was on 19.08.2023.

Four bidders had submitted their bids online and in hard copies: 1) Shah Technical Consultants Pvt. Ltd., 2) Voyants Solution Pvt. Ltd. 3) WAPCOS Ltd. 4) Meinhardt Singapore Pe Ltd.

The details of the financial bids received and financial scores assigned are as follows:

Sl. No.	Name of Bidder	Amount quoted in INR	Financial Score Assigned (out of 100)
1	Shah Technical Consultants Pvt. Ltd. In JV with Centre for Environment and Development	8,33,81,000.00	100.00
2	WAPCOS Ltd. In JV with Socio-Economic Unit Foundation	8,81,40,116.00	94.60
3	Voyants Solution Pvt. Ltd. In JV with Mythri Sarva Seva Samithi	12,22,00,000.00	68.23

#### **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 “Central Ground water Authority” 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.

#### **Action taken:**

- Tender documents are being prepared for the selection of Consultants for the IEC Activities under AMRUT 2.0.
- Urban/City Aquifer Management Plan – A draft Urban aquifer management guideline has been published by MOHUA and the same shall be taken as a controlling/Guiding factor for the development of the proposed Urban aquifer management plan for AMRUT 1.0 cities. RFP with defined scope of work will be invited from the accredited agencies of Central Ground Water Authority (CGWA) and the selection will be on QCBS selection processes.
- The Committee may take note of the action by the Mission Director AMRUT and may entrust 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.

#### **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:

**B2**

*(B1 in page 45)*

- 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.

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

Capacity Building and Information, Education, and Communication (IEC) are integral components of AMRUT 2.0. The Capacity Building Programme includes organizing various trainings, workshops, meetings, and discussions by the Ministry of Housing and Urban Affairs (MoHUA) and designated agencies on relevant mission topics. One challenge is the short notice at which MoHUA and other agencies often arrange programmes and meetings, affecting the timely issuance of Government Orders required for air travel permissions. This has resulted in missing certain opportunities for Kerala's participation.

It is important to note that the Government of India fully funds (100% central assistance) the Capacity Building Programme under AMRUT 2.0 (from the funds of Capacity Building under the head A&OE), relieving the State of any financial burden. To streamline Kerala's participation in these vital programmes, it is proposed that the Mission Director of AMRUT be authorized to approve the air travel arrangements outside Kerala for attending the AMRUT-related programmes.

**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.

**Decision:**

**C**

- ❖ 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.

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

The 6th SHPSC, dated 15/07/23, approved modification works for the newly acquired office space amounting to ₹ 31,46,944/- . The Government Order (G.O.) was issued vide G.O.(Rt) No. 1905/2023/LSGD dated 26/09/23 for the same amount. Kerala State Nirmithi Kendra was appointed as the Project Management Consultant (PMC), and through E-tendering, M/s Sabarmathy Associates, the lowest bidder, was awarded the contract at a rate 11.757% below the estimate.

Following a meeting on 05.09.2023 with the Additional Chief Secretary, LSGD and the WASH Institute, it was decided to allocate space within AMRUT for the technical support unit of WASH Institute based in Thiruvananthapuram. The institute plays a pivotal role in the Local Self Government Department (L.S.G.D.) by leading scaling efforts in Faecal Sludge and Septage Management (FSSM) and wastewater management, alongside focusing on knowledge creation, management, and capacity-building interventions.

In compliance with the 6th SHPSC Meeting for AMRUT 2.0, a dedicated workspace was allocated for the GIS-based master plan preparation team.

Upon request, Kerala State Nirmithi Kendra prepared a revised estimate accommodating the additional requirement for 18 modular workstations. The revised estimate totals ₹ 36,71,370/- (Rupees Thirty-Six Lakh Seventy-One Thousand Three Hundred and Seventy only), inclusive of 18% GST. Urgency forced Nirmithi to proceed with the revised proposal, and they successfully completed the work. This funding was provided from the Administrative and Other Expenses (A&OE) funds of AMRUT 2.0.

**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 ₹ 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).

**Decision:**

- ❖ 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)

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

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

Under the Scheme of ‘Formulation of GIS based Master Plans for Class II towns under AMRUT 2.0’, Master Plans of 49 towns in the State are being prepared through outsourcing as salary & wage components, furniture & fixtures, hardware & software, recurring expenses etc. are not permissible.

Hence, to support Local Self Government Department Planning in functioning as the State Nodal Agency, a new State Plan Scheme was introduced in the State Budget 2023-24 as “Support Scheme for Formulation of GIS based Master Plans for AMRUT 2.0 towns” and Rs 30 lakhs was allocated as budget outlay during 2023-24. This included payment of fees for Centre for Management Development in assisting SLNA in tendering and selection of Consultants, Expenses in connection with setting up of a Scheme Implementation Unit by engaging professionals like Planner Consultant, Planner Associate, Planning Assistant and a Clerk cum Accountant, expenses in connection with convening CERC meetings, other review meetings, purchase of Computers, peripherals etc, fees for consultants on ‘on-call’ basis, expenses of district offices, stationaries, site visits etc. As there was problem in cross matching CCO under the Scheme, the fund allotted for the year 2023-24 could not be utilized. The Budget Outlay for the Scheme for 2024-25 is only Rs 8 lakhs.

As per the decision in the 9th meeting of the SLTC and the 6th meeting of SHPSC, approval to hire additional space for SMMU AMRUT was permitted, which included space for the Scheme Implementation Unit under the sub-scheme. As the funds under the State Plan Scheme of “Support Scheme for Formulation of GIS-based Master Plans for AMRUT 2.0 towns” are insufficient to hire professionals on a contract basis, the Chief Town Planner (Planning) has requested the following:

- i. One Planner Consultant with consolidated Pay of Rs 51600/- per month, as per G.O(Rt) No. 384/2017/LSGD dated 10.2.2017, may be appointed for a period of two years utilizing any of the funds available with AMRUT Mission Director, to assist SLNA in Co-ordination and Monitoring works under AMRUT 2.0 sub-scheme. The works shall include finalization of cluster-wise RFPs, co-ordination with CMD, Survey of India, TCPO, Consultants, ULBs concerned and State Government, preparation of guidelines for selected sectors for Master Plan preparation, if any, review of survey questionnaires, co-ordinating capacity building programs, periodic monitoring of the progress of work by Consultants, stage wise vetting of draft reports etc.
- ii. As per G.O (Rt) No. 2766/2009/LSGD dated 24.10.2009 and G.O (Rt) No. 2767/2009/LSGD dated 24.10.2009, a Planner Consultant shall have a Postgraduate degree in Town and Country Planning with 10 years’ experience in the field. His service shall be for a minimum of 12 days per month and he shall assist SLNA in Co-ordination and Monitoring works under AMRUT 2.0 sub-scheme including finalization of cluster-wise RFPs, co-ordination with CMD, Survey of India, TCPO, Consultants, ULBs concerned and State Government, preparation of guidelines for selected sectors for Master Plan preparation, if any, review of survey questionnaires, co-ordinating capacity building programs, periodic monitoring of the progress of work by Consultants, guidance in stage wise vetting of draft reports and any other works as specified by the Chief Town Planner (Planning).
- iii. Sri. Prasanth H, retired Chief Town Planner (Planning), who was to Nodal Officer of the Sub Schemes under AMRUT 2.0 and has expertise in the preparation of Master Plans as well as actively involved in the preparation of RFP under AMRUT 2.0 sub-scheme is willing to offer his service in the role of Planner Consultant.
- iv. Two Planner Associates with Post Graduate Degrees in Town and Country Planning or equivalent with consolidated Pay of Rs 35000/- per month, as per G.O (Rt) No. 384/2017/LSGD dated 10.2.2017, may be appointed under ‘Young Professionals Programme’ to assist SLNA in all works under the Scheme of Formulation of GIS-based Master Plans for AMRUT 2.0 towns.

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

- ❖ 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.
- The Committee approved and recommended appointing two Planner Associates with a Post Graduate 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.
- The 12TH SLTC vide decision No.12.8.1 rejected the request of CTP to engage CMD for the selection consultants for the sub-scheme and decided to manage the remaining processes related to consultant selection viz- the preparation and finalization of RFP documents, Preparation of Bid Evaluation Report, Conduct 3-Stage evaluation of the applicants w.r.t. the notified evaluation criteria, negotiations with the Selected Bidder and assist in verification of Documents and Award of Contract etc. through the Planner Consultant and the two Planner Associates to be appointed.

#### **SMMU Observations:**

- The 12TH SLTC vide decision No.12.8.1 rejected the request of CTP to engage CMD for the selection consultants for the sub-scheme and decided to manage the remaining processes related to consultant selection by the Planner Consultant and Planner Associate to be recruited. Hence the funds for the remuneration shall be met from the funds under the State Plan Scheme "Support Scheme for Formulation of GIS-based Master Plans for AMRUT 2.0 towns". Any excess over and above the budget outlay may be met from the A&OE fund of AMRUT 2.0.

#### **Deliberations:**

CTP (Planning) (i/c) informed that since the bids include 49 towns which are grouped into 12 clusters, the bidding process becomes complex, and hence, technical support is required in all activities related to e-tendering including vetting of RFP, e-tendering, preparation of bid evaluation report and selection of consultants.

It was also informed that the team dealing with AMRUT 2.0 in the office of the Chief Town Planner (Planning) held discussions with the Chief Engineer, LSGD, and the Chief Engineer, LSGD has agreed to handhold CTP (Planning) in all activities mentioned above, by constituting a team of technical officers from LID&EW Department.

#### **Decision:**

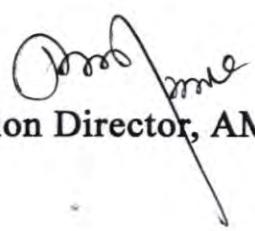
- ❖ The Committee approved the appointment of Sri Prasant H, a retired Chief Town Planner (Planning), as a Planner Consultant for the preparation of GIS-based Master Plans for AMRUT 2.0 towns. This appointment will be on a contract basis for one year and will be extended based on the performance of the 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.
- ❖ The Committee approved the engagement of two Planner Associates with a Post

Graduate 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.

- ❖ 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)*
- ❖ 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&OE fund of AMRUT 2.0.



Principal Secretary, LSGD  
(Convener of the SHPSC)

  
Mission Director, AMRUT  
Chief Secretary  
(Chairman, SHPSC)

**The 36<sup>th</sup> SHPSC of AMRUT 1.0 and 9<sup>th</sup> SHPSC of AMRUT 2.0 held on 02<sup>nd</sup> August 2024 at 03:30 PM by the Chief Secretary, Government of Kerala at his Committee Room.**

### **List of Participants**

1. Dr.V.Venu IAS, Chief Secretary, Government of Kerala
2. Dr. Sharmila Mary Joseph IAS, Principal Secretary, LSGD
3. Smt. Aleyamma Philip, Chairperson, Piravom Municipality
4. Sri. M.G. Rajamanickam IAS, Mission Director, AMRUT
5. Sri. Biju.K., Secretary, Public Works Department
6. Sri. Binu Francis, Joint Managing Director, Kerala Water Authority
7. Sri. U.V. Jose IAS (Rtd), Executive Director, Suchitwa Mission
8. Sri. Sandeep.K.G, Chief Engineer, LSGD
9. Smt. Asha Ajay Ghosh, Chief Town Planner (Planning i/c), Thiruvananthapuram
10. Sri. Krishna Kumar.V.S., Chief Engineer P&O) (i/c), KWA, Thiruvananthapuram
11. Sri. Praveen.K.S, Deputy Chief Engineer, PIU-2, KWA, Thiruvananthapuram
12. Smt. K.S. Bindu, Director (A/F), Kudumbashree
13. Smt. Krishnapriya.D, Additional Secretary, Finance Department
14. Smt. Umadevi.K.B, Under Secretary, Water Resources Department
15. Shri. Jahamgeer S, Secretary, Thiruvananthapuram Corporation
16. Sri. Binuji.G, Secretary, Nilambur Municipality
17. Sri. Prakash Kumar V, Secretary, Piravom Municipality
18. Sri. Luqman, Deputy Mission Director, AMRUT
19. Smt. Sheeja.A, Deputy Mission Director, AMRUT

**ANNEXURE 2: LIST OF SWAP 3 PROPOSALS- WATER SUPPLY APPROVED BY THE 9TH SHPSC**

S1 NO	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
<b>AMRUT 1 CITIES</b>					
1	THIRUVANANTHAPURAM	AMRUT 2.0 - Laying Rider mains in various routes like Pattom - Murinjapalam - Kumarapuram - Medical College	11.737	11.1781	0.5589
2	THIRUVANANTHAPURAM	AMRUT 2.0 - Repacing distribution networks by laying 160mm rider main on both sides of road from Thirumala Junction to Thrikkannapuram Bridge in connection with road widening - Pipe line work.	2.3226	2.2120	0.1106
3	THIRUVANANTHAPURAM	AMRUT 2.0 - Laying pipes, replacing old AC pipes, providing new connections and alteration of house connections at Vizhinjam , Harbour, Kottappuram, Mulloor and Venganoor wards in Thiruvananthapuram Municipal Corporation.	10.93	10.4100	0.52
4	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacement of AC/PVC pipes and laying with PVC/DI pipes in Pathirapally ward in Thiruvananthapuram Corporation under Peroorkada Section	7.1423	6.8022	0.3401
5	THIRUVANANTHAPURAM	AMRUT 2.0 - Rectifying the leakage and repacking the Filter bed medium of Bed No. 7 at 36 MLD WTP, Vellayambalam	0.525	0.5000	0.025
6	THIRUVANANTHAPURAM	AMRUT 2.0 - PHASE 2 - Proposal for full coverage in Punchakari, Thiruvallam, Vellar, Poonkulam and Harbour (Part) under Vandithadam Section in Thiruvananthapuram Corporation - Replacing Existing Lines, Extension of Existing Lines, Providing New Lines, Interconnections, Supplying Laying Pump Sets and providing FHTC under WW Section Vandithadam	17.5728	16.7360	0.8368
7	THIRUVANANTHAPURAM	AMRUT 2.0 - Proposal for 100% coverage in all wards under Thirumala Section of Thiruvananthapuram Municipal Corporation - Replacing old lines, laying new lines, alterations and providing new connections - PTP, Thirumala, Pangode, Vattiyoorkavu, Thrikkannapuram, Valiyavila, Vazhottukonam, Punnaykkamugal, Nettayam, Thuruthumoola, Kodunganoor, Kachani and Kanjirampara - Pipe line work.	4.69	4.4670	0.223
8	THIRUVANANTHAPURAM	AMRUT 2.0 - Proposal for 100% coverage in Kalady, Pappanamcode, Melamcode, Estate, Nemom, Ponnumangalam and Punnakamughal (Part) Wards under Karamana Section in Thiruvananthapuram Municipal Corporation -Pipe line work.	4.5675	4.3500	0.2175
9	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacing of existing frequent breaking PVC (JICA laid) line in Thirumala Vijayamohini mill - Punnakamughal road to 300mm dia DI line	1.3125	1.2500	0.0625
10	THIRUVANANTHAPURAM	AMRUT 2.0 Providing 24 X 7 Water supply at Arannoor ward- Thiruvananthapuram Municipal Corporation	8.6	8.0000	0.6
11	KOLLAM	AMRUT 2.0 - PROVIDING 24*7 WATER SUPPLY AND INTODUCING DRINK FROM TAP IN DIVISION 55, KANNIMEL CHERY OF KOLLAM CORPORATION	12.9	12.4000	0.5
12	KOCHI	AMRUT 2.0 - Replacing old and damaged CI and AC pipes with DI K9 and PVC pipes on both side along Deshabhimani road, Kochi Corporation.	5	4.9970	0.003
13	ALAPPUZHA (M)	AMRUT 2.0 .Alappuzha Municipality- Implementation of 24 x 7 Water supply System under Two DMAs in Six Wards of Alappuzha Municipality.	10.5	10.0000	0.5
14	ALAPPUZHA (M)	AMRUT 2.0 AUGMENTATION OF WSS FOR ALAPPUZHA MUNICIPALITY BY PROVIDING DISTRIBUTION NETWORK IN ALAPPUZHA MUNICIPALITY	5.57407	5.1000	0.47407
15	GURUVAYOOR (M)	AMRUT 2.0- 24x7 Water Supply System for Guruvayur Municipality.	10.5	10.0000	0.5

**ANNEXURE 2: LIST OF SWAP 3 PROPOSALS- WATER SUPPLY APPROVED BY THE 9TH SHPSC**

S1 NO	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
16	THRISSUR	AMRUT 2.0 - SWAP 3 - Implementing 24x7 water supply in Ollur zonal	10.75	10.0000	0.75
17	THRISSUR	AMRUT 2.0 - SWAP 3 - Providing 1600 FHTCs in Ollur Zonal Area - Pipeline work	3.91	3.8600	0.05
18	PALAKKAD (M)	AMRUT 2.0 - PROVIDING 24X7 WATER SUPPLY AT CHIRAKKAD IN PALAKKAD MUNICIPALITY	5.375	5.0000	0.375
19	PALAKKAD (M)	AMRUT 2.0 - Palakkad municipality - Supplying and laying new distribution lines and Providing new household connections, Replacing old GI/AC existing Pipelines and Road restoration works in various wards at Palakkad Municipality - Pipeline work	12.76	11.6000	1.16
20	KANNUR (M)	Pipeline Extension & providing water connections in various zones of Kannur Corporation, Construction of 5LL OHSR, supply & erection of pumpsets - Phase II	24.026	22.3500	1.676
21	KANNUR (M)	Providing 24 X 7 Water supply in District metered area of Kannur corporation	3.9	3.6075	0.2925
		<b>AMRUT 1.0 Cities- Sub Total</b>	<b>174.59477</b>	<b>164.8198</b>	<b>9.77497</b>

**AMRUT 2 CITIES**

1	VALANCHERRY	AMRUT 2.0- Kalayana Urava Water Supply Scheme for Valanchery Municipality.	13.414	13.2740	0.14
2	KOTTARAKKARA	AMRUT 2.O - WSS to KOTTARAKKARA MUNICIPALITY - LAYING DISTRIBUTION MAIN FROM NEWLY PROPOSED OHSRs UPTO EXISTING NETWORK INCLUDING PROVIDING 1000 FHTCs IN MUNCIAPL AREA	4.38615	4.3350	0.05115
3	KOTTARAKKARA	AMRUT 2.O - WATER SUPPLY SCHEME FOR KOTTARAKKARA MUNICIPALITY - Construction of 7.5 LL OHSR AT AMBALAPURAM	2.286	2.2593	0.02666
4	CHENGANNUR (M)	Pipe line extension and providing household connection and other works in chengannur municipality (Phase II ) under AMRUT 2.0	1.81	1.7870	0.023
5	PANOOR	AMRUT 2.0 Water Supply Scheme to Panoor Municipality -Laying Distribution systems and Providing FHTCs- Zone 1	16.555	15.4000	1.155
6	CHANGANASSERY (M)	AMRUT 2.0 - UWSS to Changannassery Municipality -Laying distribution network along Municipal Area (Phase III)	1.05	0.9920	0.058
7	CHANGANASSERY (M)	AMRUT 2.0-UWSS TO CHANGANASSERY MUNICIPALITY- LAYING DISTRIBUTION MAIN (PHASE 2) FROM PROPOSED 15 LL OHSR AT PERUNNA TO MARKET AREA	2.78	2.6760	0.104
8	ETTUMANOOR	AMRUT 2.0 -PROVIDING WATER CONNECTION AND PIPELINE EXTENSION IN ETTUMANOOR MUNICIPALITY PHASE II	4.83767	4.7570	0.08063
9	KOTTAYAM (M)	AMRUT 2.0 -Pipeline extension and providing FHTCS in Nattakom area (2nd Phase) of Kottayam Municipality	1.88	1.7900	0.09
10	KOTTAYAM (M)	AMRUT 2.0-Pipeline extension and providing FHTCS in Kumaranalloor area ( 2nd Phase ) of Kottayam Municipality	6.57	6.2600	0.31
11	KOTTAYAM (M)	AMRUT-2.0- WSS to Kumaranalloor- Pipeline extension and providing FHTC in Kumaranalloor area(3rd) in Kottayam Municipality- Pipe line Work	0.596	0.5670	0.029
12	TIRUR (M)	AMRUT 2.0-WSS to Tirur Municipality-Providing new distribution network, Household Tap Connections and Replacing old aged AC pipe with DI Pipe.	14.88	13.8800	1

**ANNEXURE 2: LIST OF SWAP 3 PROPOSALS- WATER SUPPLY APPROVED BY THE 9TH SHPSC**

Sl NO	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
13	KOTTAKKAL	AMRUT 2.0 - WSS to Kottakkal Municipality-Providing new distribution network, Household Tap Connections and Replacing old aged AC pipe with DI Pipe.	16.529	15.7390	0.79
14	MANJERI (M)	AMRUT 2.0 - Manjeri Municipality - Augmentation of UWSS to Manjeri - Construction of OHSR at unity college zone, laying of CWPM, erection of pumpset & allied works and providing distribution system for unity college zone in Manjeri Municipality - Phase 1-Pipeline work	26.10787	23.2070	2.90087
15	NILAMBUR	AMRUT -2.0 AUGMENTATION OF UWSS TO NILAMBUR PHASE 1	11.47	9.5700	1.9
16	NEYYATTINKARA (M)	Augmentation of WSS to Neyyattinkara Municipality - New Intake Structure and Weir across Neyyar	10.1	9.9970	0.103
17	CHITTUR-THATHAMANGALA M (M)	AMRUT 2.0- SWAP 3- IMPLEMENTATION OF 24*7 WATER SUPPLY IN WARD - 4 AT CHITTUR THATHAMANGALAM MUNICIPALITY	9.4764	8.9400	0.5364
18	KUNNAMKULAM (M)	AMRUT 2.0-WSS TO KUNNAMKULAM MUNICIPALITY- CONSTRUCTION OF 15 MLD WATER TREATMENT PLANT AND ALLIED WORKS AT KOOTANAD.	20.2	19.9000	0.3
19	KALPETTA (M)	AMRUT-2.0 - UESS to Kalpetta Municipality - Providing full coverage of functional house hold tap connections to Divisions 1 to 28 in Kalpetta Municipality	19.11	18.2000	0.91
20	MALAPPURAM (M)	AMRUT 2.0-Additional Proposal -MWSS to Panakkad and Melmuri Villages in Malappuram Municipality	6.87	5.6200	1.25
21	PATHANAMTHITTA (M)	AMRUT 2.0 -PROVIDING WATER SUPPLY TO ELEVATED AREAS IN PATHANAMTHITTA MUNICIPALITY - PARUVAPLACKAL, POOVANPURA AND VANCHIPPOYKA	8.7	8.5000	0.2
22	OTTAPPALAM (M)	AMRUT 2.0- SWAP 3- URBAN WATER SUPPLY SCHEME TO OTTAPALAM MUNICIPALITY	3.03	2.9300	0.1
23	NEDUMANGAD (M)	AMRUT 2.0 Augmentation of UWSS to Nedumangad Municipality - Upgradation of Existing 13.75 MLD Water Treatment Plant at Perumala and Providing 3000 FHTCs	15.45	15.0000	0.45
24	PARAPPANANANGA DI	AMRUT 2.0 - Construction of 15.00LL OHSP at Chappappadi , Clear Water Pumping Main and Functional House hold Connections.	15.5	15.0000	0.5
25	TALIPARAMBA (M)	AMRUT 2.0 -CONSTRUCTION OF 1.0 LL OHSP AT VATTAPPARA LAYING TRANSMISION MAIN,DISTRIBUTION NETWORK AND PROVIDING FHTCs IN TALIPARAMBA MUNICIPALITY	5	4.5000	0.5
26	CHERTHALA (M)	AMRUT 2.0-SWAP3-SUPPLYING AND LAYING OF 90MM PVC PIPE,PROVIDING BALANCE FHTC500no,AND REPLACING DAMAGED AC LINES AND ALLIED WORKS IN CHERTHALA MUNICIPALITYPHASE 3 PIPE L INE WORK	4	3.9851	0.0149
27	MAVELIKKARA (M)	AMRUT 2.0 - Augmentation of WSS to Mavelikkara Municipality - Replacing Old and Damaged AC Pipelines using 110mm PVC pipe- 5 KM & providing 500 FHTCs At Mavelikkara Municipality	3.0962	3.0656	0.0306
28	ALUVA	AMRUT 2.0 - Aluva Municipality- Providing new house connections in various wards of Aluva Municipality, replacing old damaged AC/CI/GI pipes and allied works, shifting of existing water connections to new lines, supply and fixing of valves at various locations etc.- Phase- II	3.57	3.4000	0.17
29	PATTAMBI	AMRUT 2.0 - SWAP 3 - Providing FHTCs in Pattambi Municipality	1.035	1.0000	0.035

**ANNEXURE 2: LIST OF SWAP 3 PROPOSALS- WATER SUPPLY APPROVED BY THE 9TH SHPSC**

S1 NO	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
30	HARIPAD	AMRUT- 2.0- Haripad Municipality-Drilling and commissioning of Tube well 2 numbers in Haripad Municipality	1	0.6000	0.4
31	PERUMBAVOOR (M)	AMRUT 2.0-Perumbavoor Municipality -UWSS to Perumbavoor Municipality - Replacing damaged 400 mm AC pumping main with 400 mm DI K9 pipe and providing FHTC.	3.3	3.0000	0.3
32	THRIKKAKARA(M)	AMRUT 2.O- Replacing old, damaged, under size distribution lines and sluice valves in Thrikkakara Municipality	3.675	3.5000	0.175
33	THODUPUZHA (M)	Amrut 2.0-Augmentation of UWSS to Thodupuzha Municipality for full coverages - Providing Drinking water Connections to 1000 Households.	5.5	5.0000	0.5
34	ANTHOOR	AMRUT 2.0 BALANCE WORK-LAYING DISTRIBUTION SYSTEM AND PROVIDING BALANCE FHTCS - PART 1	3.8	3.5000	0.3
35	KOOTHUPARAMBA (M)	AMRUT2.0-SWAP3- LAYING DISTRIBUTION NETWORK AND PROVIDING FHTCS IN KUTHUPARAMBA MUNICIPALITY BALANCE WORK	8.6	8.0000	0.6
36	KASARAGOD	AMRUT 2.0-Laying Distribution System and Providing FHTCs in Kasargod Municipality- ADDITIONAL PROJECT	7.526	7.4260	0.1
37	PUNALUR (M)	AMRUT 2.O- RENOVATION OF EXISTING UWSS TO PUNALUR MUNICIPALITY SCHEME BY REPLACEMENT OF AC PIPES WITH PVC AND RENOVATION OF 9 MLD WATER TREATMENT PLANT	8.967	8.5400	0.427
38	KOTTARAKKARA	AMRUT 2.O_WSS to KOTTARAKKARA MUNICIPALITY - SUPPLYING AND LAYING GRAVITY MAINS FROM 18 LL MASTER OHSR AT UGRANKUNNU TO NEWLY PROPOSED OHSRs AT AMBALAPPURAM & EYANKUNNU	14.7925	14.6200	0.1725
39	PALAI (M)	AMRUT 2.0 - Augmentation of UWSS to Pala- Replacing Filter media of WTP Pala and improving Distribution system	1.318	1.0302	0.28781
40	VAIKOM (M)	AMRUT 2.0 - VAIKOM MUNICIPALITY - IMPROVEMENT OF WATER SUPPLY TO ZONE - I OF VAIKOM MUNICIPALITY - CONSTRUCTION OF 7.00 LAKH LITRE CAPACITY OHSR AT KWA OFFICE COMPOUND, VAIKOM AND ALLIED WORKS	5.61	5.3600	0.25
41	VAIKOM (M)	AMRUT-2.0 -VAIKOM MUNICIPALITY-IMPROVING WATER SUPPLY BY SOURCE IMPROVEMENTS AT 45 MLD WTP AT MEVELLOOR AND ALLIED WORKS - PHASE II	8.85	8.3854	0.4646
42	SHORANUR (M)	AMRUT 2.0 - SWAP 3 - Shornur Municipality- Pipeline replacement / Extension of various size pipes and providing 1500 FHTCs, Construction of 2LL OHSR and Sump at Kulappully, 1.50MLD Water treatment system at Mundaya, Source improvement- PACKAGE III	11.55	11.0500	0.5
43	PANDALAM	Amrut 2.0-SWAP 3-Laying and Strengthening existing Distribution system in Pandalam Municipality	1.159	1.0080	0.151
44	MUKKAM	AMRUT 2.0- UWSS TO MUKKAM MUNICIPALITY- CONSTRUCTION, TESTING, COMMISSIONING,TRIAL RUNNING OF 18LL OHSR AND PROVIDING FHTC	6.265	6.0320	0.233
45	PAYYOLI	AMRUT-2.0 - UWSS To Payyoli Municipality-Phase 2 -Supplying, laying, testing and commissioning of Distribution system and providing functional household tap connection.- Pipeline Work	20	19.9800	0.02
46	PONNANI (M)	AMRUT-2.0-Supplying -Construction of 33 LL Capacity OHSR at Chammavattam Junction in Ponnani Municipality	9.45	9.0000	0.45
47	CHERPULASSERY	AMRUT 2.0 - SWAP 3 - Pipe line extension works in various wards in Cherpulassery municipality.	2.5183	2.4183	0.1

**ANNEXURE 2: LIST OF SWAP 3 PROPOSALS- WATER SUPPLY APPROVED BY THE 9TH SHPSC**

S1 NO	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
48	ADOOR (M)	AMRUT- 2.O - SWAP- 3 City action plan strengthening and extension of distribution networking system in Adoor Municipality	5.06	4.3010	0.759
49	MANNARKKAD	AMRUT 2.0 - SWAP 3 - Construction of Check Dam And Providing FHTCs in various wards of Mannarkkad Municipality	7	6.6870	0.313
50	KATTAPPANA	AMRUT 2.0 - SWAP- 3 -Phase II- Providing distribution network and FHTCs for Kattappana Municipality	20.6	20.0000	0.6
51	ATTINGAL (M)	AMRUT 2.0 - Attingal Municipality- Providing Pipe line Extension and Providing FHTCS in Attingal Municipality-Phase II Project	1.74	1.6900	0.05
		<b>AMRUT 2.0-Sub Total</b>	<b>408.57009</b>	<b>387.65897</b>	<b>20.91112</b>
		<b>GRAND TOTAL</b>	<b>583.16486</b>	<b>552.47877</b>	<b>30.68609</b>

**ANNEXURE 3- BUFFER LIST-AMRUT 2.0 WATER SUPPLY PROJECTS**

Priority No.	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
1	ANGAMALY (M)	AMRUT 2.0 - Angamaly Municipality- Augmentation of UWSS to Angamaly- Providing Functional Household Tap Connections to Angamaly Municipality, replacement of damaged distribution lines, providing rider lines, extensions, renovation of raw water pump house Kalady, WTP Angamaly and allied works- Phase II	6.75	6.5000	0.25
2	PERUMBAVOOR (M)	AMRUT 2.0 - Perumbavoor Municipality- CWSS to Perumbavoor Municipality-Renovation of pump house at Vallam and Kanjirakkad, Water Treatment Plant at Kanjirakkad, replacement of distribution lines.	4.95	4.5000	0.45
3	PANDALAM	AMRUT 2.0 -Providing 3000 FHTC in Pandalam Municipality	4.93	4.2900	0.64
4	TIRURANGADI	AMRUT- Tirurangadi Municipality- Construction of 5.5 LL OHSR at Venniyoor	3.3	3.0000	0.3
5	THALASSERY (M)	AMRUT 2.0 - WSS TO THALASSERY MUNICIPALITY EXTENSION / REPLACEMENT OF DISTRIBUTION NETWORK AND PROVIDING FHTCS IN THALASSERY MUNICIPALITY.	7.5	7.0000	0.5
6	KOTTAKKAL	AMRUT 2.0 - WSS to Kottakkal Municipality - Providing Distribution Network and Household Tap Connections-Phase II	5.25	5.0000	0.25
7	KOTTAKKAL	AMRUT -2.0-PROVIDING FUNCTIONAL HOUSE HOLD TAP CONNECTIONS FROM THE EXISTING SCHEME BY PROVIDING ADDITIONAL DISTRIBUTION LINES/REPLACEMENT OF OLD LINES IN KOTTAKKAL MUNICIPALITY, MALAPPURAM DISTRICT-Zone II-Pipeline Work	2.53	2.5000	0.03
8	MANJERI (M)	AMRUT 2.0 - Augmentation of UWSS to Manjeri - Laying of distribution networks & providing FHTCs in Manjeri Municipality - Pipeline work	5.5	5.0000	0.5
9	THRIPPUNITHURA (M)	AMRUT-2.O - Phase-2- Providing FHTCs & Pipe line extension/ replacing for improving water supply in Eroor, Thekkumbhagam & Town areas (36 wards) of Tripunithura Municipality	8.5	8.0750	0.425
10	TIRUR (M)	AMRUT 2.0- Tirur Municipality-Providing Distribution Network, Functional Household Tap Connection and Replacing old AC pipes -Phase II	10.1	10.0000	0.1
11	KODUNGALLUR (M)	AMRUT 2.0 KMWSS TO KODUNGALLUR MUNICIPALITY REPLACING OF EXISTING AC PIPE BY LAYING NEW PVC PIPE IN ALL WARDS OF MUNICIPALITY AND PROVIDING FUNCTIONAL HOUSE HOLD TAP CONNECTIONS.	4	3.4000	0.6
12	KAYAMKULAM (M)	AMRUT 2.0 UWSS to Kayamkulam municipality PHASE II -Supplying and laying of distribution main ,Providing FHTC and Renovation works at WTP including Supply and erection of Pump sets	14.7	14.5542	0.1458
13	ERATTUPETTA	AMRUT 2.0 -WSS to Erattupetta Municipality-Zone I, Phase II -(Extention of Distribution Network)	5.25	5.0000	0.25
14	ERATTUPETTA	AMRUT 2.0 -WSS TO ERATTUPETTA MUNICIPALITY- ZONE I, PHASE -III (Aruvithura Area)	10.5	10.0000	0.5
15	PIRAVOM	AMRUT 2.0 - WSS to Piravom Municipality- Construction of 5.3LL capacity OHSR at Kombanamala , Replacement of clear water pumping main , achieving full FHTCs and allied components	8.2674	8.0174	0.25
16	ELOOR	AMRUT 2.0- Pipe line Replacement of old 150 mm AC pipe with 200 mm DI pipes from Puthiya Road Signal to FACT junction-and providing FHTC-640	3.34	3.2000	0.14
17	KALAMASSERY (M)	AMRUT2.0- Pipe line replacement works and providing 900 FHTCs in various wards of Kalamassery Municipality	4.0148	3.8148	0.2
18	KONDOTTY	AMRUT 2.0 - WSS for Kondotty municipality- Providing Distribution Network and Road Restoration Work in Kondotty Municipality	3.8	3.5000	0.3
19	SHORANUR (M)	AMRUT 2.0 - SWAP 3 - SHORANUR MUNCIPALITY - PIPE LINE REPLACEMENT / EXTENSION OF VARIOUS SIZE PIPES AND PROVIDING 1200 FHTC'S - PACKAGE II	8.5	8.0000	0.5
20	KOTHAMANGALAM (M)	AMRUT 2.0-SWAP-3-PROVIDING 950 FHTCs TO URBAN HOUSE HOLDS with AUGMENTATION OF EXISTING SCHEMES IN KOTHAMANGALAM MUNICIPALITY-PHASE II	4.75	4.7000	0.05

**ANNEXURE 3- BUFFER LIST-AMRUT 2.0 WATER SUPPLY PROJECTS**

Priority No.	ULB	Project title	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)
21	TIRUR (M)	AMRUT 2.0- Tirur Municipality-Providing Distribution Network,Functional House hold Tap connection and Replacement of old AC pipes-Phase I	15.15	15.0000	0.15
22	TIRURANGADI	AMRUT 2.0 - Water Supply Scheme to Tirurangadi Municipality -SWAP3- Laying distribution network Venniyoor HL Zone-Pipeline work	5.1	5.0000	0.1
23	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda municipality -Pipe line strengthening at potta moonnupeedika road by replacing old AC pipes	6.825	6.5000	0.325
24	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality- Replacement of existing Distribution lines at PSY East Area-From WTP to SNDP (WTP Road, Pallikkad Road, Kattungachira Road) with 300mm DI Pipe and PVC Pipe as Rider Line	2.75	2.5000	0.25
25	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality- Replacement of existing Distribution lines at PSY East Area - From Panoli Bridge to Mapranam Block Jn (Civil Station Road) with 250mm DI Pipe and PVC Pipe as Rider Line	2	1.8000	0.2
26	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality - Replacement of the existing Distribution Lines at High Level Zone-From WTP to Christ Junction with 350 mm DI K9 and PVC pipe as Rider Line	3.3	3.0000	0.3
27	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality - Replacement of the existing Distribution Lines at High Level Zone-From Udaya Junction to Marina hospital with 300mm DI K9 and PVC pipe as Rider Line	1	0.9000	0.1
28	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality- Replacement of existing Distribution Lines at Low Level Zone-From WTP to Round About with 400mm DI Pipe and PVC Pipe as Rider Line	2.2	2.0000	0.2
29	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality- Replacement of existing Distribution Lines at Low Level Zone-From Round About to SBI ATM with 400mm DI Pipe and PVC Pipe as Rider Line	1	0.9000	0.1
30	IRINJALAKUDA (M)	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda Municipality- Replacement of existing Distribution Lines at Low Level Zone-From SBI ATM to PWD Rest House with 300mm DI Pipe and PVC Pipe as Rider Line	1.6	1.4500	0.15
31	KARUNAGAPALLY	AMRUT 2.0-SWAP 3- Construction of Sump and pump house ,erection of pumpset and replacement of existing damaged distribution line in Karunagappally Municipality	7	6.9200	0.08
32	NEYYATTINKARA (M)	AMRUT 2.0-PHASE 2-Replacement of AC pipes, pipe line extension and providing FHTCs in Neyyattinkara Municipality	4.89	4.7700	0.12
33	CHALAKUDY (M)	AMRUT 2.0 - SWAP 3 - Replacing of various sizes AC pipes in various wards of Chalakudy Municipality including road restoration	3.05	3.0000	0.05
34	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacing 225mm CI pipe and laying 160mm PVC on either side as rider main along Sreekaryam-Chekkalamukku-Kattayikonam road	11.2166	10.6825	0.5341
35	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacing of existing frequent breaking PVC (JICA laid) line in Nettayam-Manikanteswaram road to 300mm dia DI line	1.3125	1.2500	0.0625
36	KOLLAM	AMRUT 2.0 Comprehensive water supply scheme to Kollam Corporation- Construction of weir at Njankadavu across Kallada river	44.86	44.4202	0.4398
37	MARADU(M)	AMRUT 2.0 - IMPROVING PRODUCTION CAPACITY OF 100MLD WTP, MARADU- SUPPLY AND LAYING OF AN ADDITIONAL 1000MM HDPE RAW WATER LINE THROUGH RIVER FROM MALEKKADU TO MARADU AND PROVIDING FHTCS TO MARADU MUNICIPALITY	45.1	45.0000	0.1
		<b>TOTAL</b>	<b>284.7863</b>	<b>275.1441</b>	<b>9.6422</b>

## ANNEXURE-4

### **LIST OF SWAP-3 PROPOSALS – SEWERAGE & SEPTAGE SECTOR - APPROVED BY THE 9<sup>TH</sup> SHPSC**

<b>Sl. No.</b>	<b>ULB</b>	<b>Name of Work</b>	<b>Capex (₹ Cr.)</b>	<b>O&amp;M (₹ Cr.)</b>	<b>Total (₹ Cr.)</b>
1	Kannur	5 MLD STP at Maithanapalli with 130 KLD septage co-treatment <i>(Sewer Network - 41 km, Pumping Main - 1 km, Pumping Station - 10 nos. &amp; HH Benefitted – 76814 nos.)</i>	124.000	16.000	140.000
2	Guruvayur	Augmentation of existing 3 MLD STP at Chakkamkandam to 5 MLD with 20 KLD septage co-treatment and treatment of polluted water of Valiyathodu <i>(Interception &amp; diversion work for the purification of canal, Sewer Network - 2.75 km &amp; HH Benefitted – 20744 nos.)</i>	21.000	4.150	25.150
3	Kollam	Sewer network - Asramom package <i>(Sewer Network - 8.10 km, Pumping Main - 0.76 km, Pumping Station - 1 no. &amp; HH Benefitted – 2301 nos.)</i>	32.136	5.244	37.380
4	Kollam	Sewer network - Karumalil & Vaady package <i>(Sewer Network - 2.22 km, Pumping Main - 0.64 km, Pumping Station - 2 nos. &amp; HH Benefitted – 3275 nos.)</i>	24.756	5.244	30.000
5	Kollam	Sewer network - Iron Bridge package <i>(Sewer Network - 4.40 km, Pumping Main - 2.95 km, Pumping Station - 1 no. &amp; HH Benefitted – 3566 nos.)</i>	27.369	5.171	32.540
6	Thrissur	Decentralised Sewerage Scheme for Thrissur Corporation <i>(STP – 2.5 MLD, Sewer Network - 25 km, Pumping Main - 2 km, Pumping Station - 1 no., HH Benefitted – 2700 nos. &amp; SLMC clearance to be obtained for the proposed land for the STP)</i>	64.200	6.000	70.200
7A	Thiruvananthapuram	Supply, erection & commissioning of various pump sets & other necessary equipments for 107 MLD Sewerage Treatment Plant at Muttathara <i>(Supply, erection &amp; commissioning of pump sets and other equipment, laying of 300 mm DI K9 Pipe from septage receiving station to inlet chamber, installation of CCTV Camera &amp; HH Benefitted – 50479 nos.)</i>	2.865	0.143	3.009
7B	Thiruvananthapuram	Providing new sewer line and replacing and upgrading of old and damaged sewer line from Ambalamukku Vrindavan Gardens to Oolampara junction for rectifying Sewerage overflow in Ambalamukku Sreekrishna Temple <i>(Sewer Network New - 60 m, Sewer Network Replacement - 340 m, Manholes New - 20 nos., Manholes Rehabilitation - 10 nos., Road Restoration &amp; HH Benefitted – 63 nos.)</i>	0.925	0.046	0.971
7C	Thiruvananthapuram	Providing new sewer line at Vinayaka Nagar towards Arappura area	2.309	0.115	2.425

Sl. No.	ULB	Name of Work	Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)
		(Sewer Network New - 819 m, Manholes New - 44 nos., Road Restoration & HH Benefitted – 125 nos.)			
7D	Thiruvananthapuram	Providing new sewer line at Housing Board Colony in Kuravankonam (Sewer Network New - 362 m, Manholes New - 20 nos., Road Restoration & HH Benefitted – 63 nos.)	0.644	0.032	0.676
7E	Thiruvananthapuram	Providing new sewer line near Udarasiromani Jhanardhanan Pillai Road in Vazhuthacadu ward (Sewer Network New - 127 m, Sewer Network Replacement - 50 m, Manholes New - 7 nos., Manholes Rehabilitation - 2 nos., Road Restoration & HH Benefitted – 63 nos.)	0.279	0.014	0.293
7F	Thiruvananthapuram	Replacing old and damaged sewer line at Althara main street and street in front of Heera Blue Berry (Sewer Network Replacement - 374 m, Manholes New - 5 nos., Manholes Rehabilitation - 11 nos., Road Restoration & HH Benefitted – 63 nos.)	0.652	0.033	0.685
7G	Thiruvananthapuram	Providing new Sewer line in Idavakkadu line at Vikramapuram Hill and Kalathilpuzha line in Kanjirampara (Sewer Network New - 364 m, Manholes New - 20 nos., Road Restoration & HH Benefitted – 25 nos.)	0.606	0.030	0.637
7H	Thiruvananthapuram	Providing new sewer line in Meleveedu Madan Kovil & Kukiliar Lane fom House No. KLRA-80 to KLRA-125 in Jagathy ward (Sewer Network New - 75 m, Sewer Network Replacement - 125 m, Manholes New - 4 nos., Manholes Rehabilitation - 7 nos., Road Restoration & HH Benefitted – 63 nos.)	0.348	0.017	0.365
7I	Thiruvananthapuram	Replacing old and damaged sewer line in Kunnumkuzhi RC Street (Sewer Network Replacement - 243 m, Manholes New - 18 nos., Road Restoration & HH Benefitted – 100 nos.)	1.030	0.052	1.082
7J	Thiruvananthapuram	Replacing and upgrading of old and damaged sewer line through NB Street and NSS Karayogam of Jawaher Nagar in Kowdiar ward (Sewer Network New - 100 m, Sewer Network Replacement - 628 m, Manholes New - 5 nos., Manholes Rehabilitation - 25 nos., Road Restoration & HH Benefitted – 100 nos.)	1.386	0.069	1.455
7K	Thiruvananthapuram	Replacing and upgrading of old and damaged sewer line at Jagathy CS Road (Sewer Network New - 103 m, Sewer Network Replacement - 259 m, Manholes New - 5 nos., Manholes Rehabilitation - 9 nos., Road Restoration & HH Benefitted – 75 nos.)	0.448	0.024	0.472
7L	Thiruvananthapuram	Raising of manhole at Vivekanda Nagar, Sastha Nagar, Chadi Yara Poojappura area in connection with commissioning of Jagathy Koottamvila scheme and laying new sewer branch line towards Sastha Nagar SRA-144A to 144B	3.080	0.154	3.234

Sl. No.	ULB	Name of Work	Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)
		(Sewer Network New - 61 m, Manholes New - 4 nos., Manholes Rehabilitation - 214 nos., Road Restoration & HH Benefitted – 1200 nos.)			
7M	Thiruvananthapuram	Reconstruction of old dilapidated brick and RCC manholes with RCC and raising manhole covers in to road level and replacing RCC cover slab with CI cover under Sasthamangalam Section (Manholes Rehabilitation - 30 nos., Road Restoration & HH Benefitted – 250 nos.)	0.951	0.048	0.999
		Sub Total (7A to 7M)	15.522	0.778	16.300
8A	Thiruvananthapuram	Reconstruction of old dilapidated brick manholes, construction of new sewerage manholes, raising of man hole covers & supplying CI manhole covers in Pottakuzhy - Mulavana road stretch (Sewer Network Replacement - 120 m, Manholes Rehabilitation - 30 nos., Manhole New - 20 nos., Road Restoration & HH Benefitted – 600 nos.)	0.750	0.023	0.773
8B	Thiruvananthapuram	Replacement of existing damaged sewerage main from NC Hospital junction to Kannettumuuku junction with 300 mm SW pipe under Sewerage Section Kuriathy (Sewer Network Replacement - 566 m, Manholes Rehabilitation - 19 nos., Manhole New - 10 nos., Road Restoration & HH Benefitted – 250 nos.)	1.900	0.057	1.957
8C	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 Banglow to Mudavanmughal junction near RC Church (Sewer Network Replacement - 450 m, Manholes Rehabilitation - 25 nos., Road Restoration & HH Benefitted – 600 nos.)	2.150	0.065	2.215
8D	Thiruvananthapuram	Urgent Rectification of sewerage network by replacement of damaged 150 mm SW Pipes with 300 mm SW Pipe and construction of new manholes from Mudavanmughal junction (near RC Church) to Decent Mukku junction (Sewer Network Replacement - 347 m, Manholes Rehabilitation - 15 nos., Road Restoration & HH Benefitted – 400 nos.)	1.480	0.044	1.524
8E	Thiruvananthapuram	Supply, erection & commissioning of various pump sets & other necessary equipments for 107 MLD Sewerage Treatment Plant at Muttathara (Sewer Network Replacement - 338 m, Manholes New - 1 no., Road Restoration & HH Benefitted – 300 nos.)	1.281	0.038	1.319
		Sub Total (8A to 8E)	7.561	0.227	7.788
9	Kozhikode	Sewerage System for Zone-A	133.160	10.000	143.160

Sl. No.	ULB	Name of Work	Capex (₹ Cr.)	O&M (₹ Cr.)	Total (₹ Cr.)
		( <i>STP - 13 MLD, Sewer Network - 70 km, Pumping Main - 1 km, Pumping Station - 5 nos. &amp; HH Benefitted – 8000 nos.</i> )			
10	Alappuzha	Decentralised Wastewater Treatment for Bhajanamadom settlement in Kidangamparambu Ward ( <i>STP - 12 KLD, Sewer Network - 0.5 km &amp; HH Benefitted – 33 nos.</i> )	0.700	0.060	0.760
<b>Grand Total</b>			<b>450.404</b>	<b>52.874</b>	<b>503.278</b>