

Minutes of the 3rd State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation-2.0 (AMRUT-2.0) held on 27th October 2022 at 04:30 PM through Video Conference by the Chief Secretary, Government of Kerala.

The meeting of the 3rd State Level High Powered Steering Committee (SHPSC) of AMRUT 2.0, chaired by Dr. V.P. Joy IAS, Chief Secretary, Government of Kerala commenced at 04.30 PM. (*List of participants attached as Annexure 1*)

Smt. Saradha Muraleedharan, ACS, LSGD, and Sri. Arun.K.Vijayan IAS, Mission Director, AMRUT presented the points in the agenda note.

Agenda Item No.1: APPROVAL OF MINUTES OF THE 2nd SHPSC

The minutes of the 2nd SHPSC meeting of AMRUT 2.0 held on 5th July 2022.

Decision Taken: The Committee approved the minutes of the 2nd SHPSC meeting held on 5th July 2022.

Agenda Item No.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 4th SLTC & 2nd SHPSC

2.1: ACTION TAKEN REPORT ON THE DECISIONS OF THE 1st SHPSC

Agenda Item No.3: Finalization of the percentage of fund allotment by State & ULB:

SLTC Decision

Committee decided to recommend the financing option as follows;

- For Municipalities; the balance project cost, after deducting Central Assistance may be shared with State bearing 75% and ULB bearing 25%.
- For Municipal Corporations: The balance project cost, after deducting Central Assistance may be shared with State bearing 50% and ULB bearing 50%.

1st SHPSC Decision:

The Committee accepted the recommendations of SLTC and decided as follows:

- For Municipalities, the balance project cost, after deducting Central Assistance shall be shared with State bearing 75% and ULB bearing 25%.
- For Municipal Corporations, the balance project cost, after deducting Central Assistance shall be shared with State bearing 50% and ULB bearing 50%.

Action Taken: Government Order issued vide G.O.(Rt)No.2364/2022/LSGD Dated, 28-09-2022.

Agenda Item No.5: State Mission Management Unit & City Mission Management Units

SLTC Decision

The Committee took note of the action taken and recommended the same for SHPSC approval.

1st SHPSC Decision:

The Committee approved the continuation of SMMU & CMMUs for AMRUT-2.0 subject to the recommendation of the Additional Chief Secretary, LSGD.

Action Taken: The restructuring proposal is included as an Agenda.

2.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 3rd SLTC & 2nd SHPSC***Agenda Item No.1: Approval of State Water Action Plans*****SLTC Decision**

The Committee decided to recommend the following to the SHPSC for approval:

- a) The Water Supply Sector projects submitted by the ULBs that are having a cost per household benefitted less than or equal to Rs.50000 and coverage achieved greater than 75% are selected for submission to MoHUA.
- b) The Sewerage Sector projects submitted by Thiruvananthapuram except the FSTP project are selected for submission to MoHUA.

SHPSC Decision

The Committee approved the following criteria fixed by the SLTC for the selection of Water Supply projects in the State Water Action Plan:

The Water Supply Sector projects that are having a cost per household benefitted less than or equal to Rs.50000 and coverage achieved greater than 75% will be selected for submission to MoHUA.

- 1) The Committee approved the 1st Tranche of the State Water Action Plan comprising of the following for submission to MoHUA:
 - a) 199 Water Supply Sector projects worth Rs.1738.026 Cr. submitted by 81 ULBs.
 - b) 23 Sewerage Sector projects worth Rs.104.632 Cr. submitted by Thiruvananthapuram Corporation.
- 2) All AMRUT cities shall prepare the City Water Action Plans for Sewerage / Septage projects at the earliest.
- 3) The Managing Director, KWA shall submit a note clarifying the project costs of AMRUT-2.0 projects as per Price-3.

Only those projects that meet the conditions set by the SLTC shall be considered for AS in the 1st Tranche.

Action taken:

199 projects proposed under the Water Supply sector and 23 projects under the Sewerage and Septage sector based on the criteria stipulated in the 2nd SHPSC that Cost per household benefitted less than or equal to Rs.50000/- and coverage achieved greater than 75%. Costing Rs.1938.52 Cr. were selected and submitted to the MoHUA. MoHUA approved the same in the 4th Apex committee meeting held on 12.8.2022

MD KWA submitted the clarification note on 8.7.2022.

Agenda Item No.2: Operation and Maintenance (O&M) Cost of Projects**SLTC Decision**

The Committee decided to recommend the following to the SHPSC for approval:

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

SHPSC Decision

The Committee approved the following recommendations of the SLTC:

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

Action taken:

MD KWA informed vide letter No. KWA/JB/P3/58/2017 dated 12.10.2022 that the O&M charges for water supply projects and sewerage network only can be borne by KWA, but not the O&M expenditure of STPs. For STPs, O&M costs would have to be met by ULB to avoid a financial burden on KWA.

Agenda Item No.3: Approval of Annual Capacity Building Plan

SLTC Decision

The Committee decided to recommend the Capacity Building Plan to the SHPSC.

SHPSC Decision

The Committee decided to approve the Capacity Building Plan and its submission to MoHUA.

Action taken: Capacity Building Plan submitted to MoHUA.

Agenda Item No.4: Approval of Action Plan for Administrative & Other Expenses (A&OE)

SLTC Decision

The Committee decided to recommend the A & OE Action Plan to the SHPSC.

SHPSC Decision

The Committee decided to approve the A & OE Action Plan and its submission to MoHUA.

Action taken: A & OE Action Plan submitted to MoHUA.

General Discussions

The Director, of MoHUA, informed that the State has to urgently submit the State Water Action Plans to MoHUA for approval.

Action taken:

199 projects proposed under the Water Supply sector and 23 projects under the Sewerage and Septage sector based on the criteria stipulated in the 2nd SHPSC that Cost per household benefitted less than or equal to Rs.50000/- and coverage achieved greater than 75% costing Rs.1938.52 Cr. were selected and submitted to the MoHUA. MoHUA approved the same in the 4th Apex committee meeting held on 12.8.2022.

SLTC Recommendation:

- ❖ Committee took note of the action taken on the decisions of the Committee. Regarding decision No. 2 the MD KWA was asked to submit a detailed proposal on Operation & Maintenance for further review by the Committee.

Decision Taken:

The SHPSC took note of the action taken on the decisions of the Committee.

Agenda Item No.3: Progress of AMRUT 2.0

The 4th Apex committee meeting under the Atal Mission for Rejuvenation and Urban Transformation 2.0 (AMRUT 2.0) held on 12.08.2022, has approved tranche 1 of the **State Water Action Plan (SWAP-1)** comprises 199 water supply projects for 81/93 Urban Local Bodies and 23 SEW projects for one ULB based on the criteria stipulated in the 2nd SHPSC that Cost per household benefitted less than or equal to Rs.50000/- and coverage achieved greater than 75% for an amount of Rs.1938.52 Cr.

The Apex Committee opined that projects should focus on the major objective of providing water tap connections to all urban households. Apex Committee also desired that the State should submit a strategy to achieve saturation in water tap connections through AMRUT 2.0. The committee opined that as per the terrain and topography of Kerala, for used water treatment and disposal, **FSTP is a more feasible option in comparison to sewage treatment plants**. The state should, therefore, make efforts for planning **large-scale FSTPs**. The committee desired that State may submit the steps taken for providing FSTPs in urban areas.

Subsequently, the requisite clarification and Strategy Plan for achieving Universal coverage of tap water supply and for provisioning FSTPs was submitted as follows;

- As the fund under AMRUT Phase 2 is insufficient for universal coverage in Kerala, the matter has been taken up with the State, and action is being taken to utilize funds from other sources viz. **CFC grant, Urban Agglomeration grant, State plan fund, Annual plan fund of local bodies, MP LADs, MLA asset development fund, Kerala Water Authority plan fund, etc.** for the universal coverage. Moreover, most of the households in Kerala rely on wells and ponds for drinking water. Hence action has been initiated for taking up micro water schemes in many ULBs. 32 micro scheme projects of 9 ULBs have been included in the 1st tranche of SWAP.
- The strategy for fund distribution for SEW projects in 9 AMRUT cities is based on the Need-Based Gap: 30% STP & Networks in core areas and 70% FSTP coverage in other areas. Workshops are being conducted in 9 AMRUT Cities to create awareness of the necessity of STPs and FSTPs in each ULB. The proposal of FSTPs would be placed in the 3rd tranche.

Based on the clarification submitted, SWAP-1 has been approved by the Apex Committee.

Current Progress& Way Forward

- Detailed Project reports of proposals under the 1st tranche of SWAP are being prepared by Kerala Water Authority.

ACTION PLAN FOR IMPLEMENTING AMRUT 2.0 PROJECTS								
Sl. No.	Action	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1	Approval of SWAP-1 by Apex committee							
2	Preparation of Detailed Project Reports							
3	Meeting with Stakeholders (PWD/NH/NHAI/Railways/others)							

4	Technical Appraisal by SLTC							
5	Issuance of AS by the SHPSC							
6	Issuance of TS							
7	Tender floating and award of contract							
8	Handing over of site							

- Tranche 2 of the State Water Action Plan (SWAP-2) for Water supply and Sewerage Projects is prepared and placed before this Committee.
- The special tranche of SWAP- Rejuvenation of waterbodies for 67 ULBs has been formulated and placed as an Agenda in this Meeting.
- Ministry launched the India Water Pitch-Pilot-Scale Start-up challenge for identifying and promoting innovative, proven, and potential environment-friendly technologies as a solution to urban water problems. 222 start-ups have participated and 76 startups were selected for the award of the first tranche. Three Start-ups have been selected for Kerala.
- As per AMRUT guidelines, projects on 24x7 water supply with drink from tap facility need to be taken up in AMRUT cities. These projects should cover at least one ward or DMA with at least 2,000 households in the contiguous manner. Projects costing up to 20% of the project fund allocation for water supply projects in AMRUT cities may be taken up for 24x7 water supply. National Level Task Force on 24x7 Water Supply systems has been constituted by MoHUA. Vide G.O.(Rt)No.1627/2022/LSGD dated 7.7.2022, a State Level Task Force has been constituted and vide G.O.(Rt)No.2056/2022/LSGD dated 23.8.2022 City Level Task Force has been constituted by the Government.
- As part of the implementation of AMRUT 2.0 Projects, State level, District level and ULB level workshops for Water supply, Micro Water supply and Sew- Septage sectors are being conducted for Mayors, Chair persons, Standing Committee Chairpersons, Councilors and officials of ULB & Parastatal agency. An FAQ on AMRUT 2.0 has been developed and distributed to 93 ULBs

Way forward -Sewerage &Septage Projects in 9 AMRUT Cities

As part of the efforts to implement Faecal Sludge Treatment Plant (FSTP) Projects under AMRUT & AMRUT-2.0, a few accredited agencies were contacted by the State Mission Management Unit (SMMU) and meetings were conducted with them for the preparation of preliminary reports on the implementation of FSTPs within a short timeframe of 2 months.

Subsequently, M/s. CDD informed their willingness to take up the preliminary report preparation activities in Thiruvananthapuram Corporation, Alappuzha Municipality, Kochi Corporation, Thrissur Corporation, Kozhikode Corporation, and Kannur Corporation without any fee (only accommodation & vehicle for site visits to be provided). Accordingly, they have been engaged and they have commenced the ULB visits for the preparation of preliminary reports on 12.10.2022.

M/s. IRTC has confirmed their willingness to take up the preliminary report preparation in Kollam Corporation, Guruvayur Municipality, and Palakkad Municipality.

A detailed Agenda in this regard is placed in this Committee.

SLTC Recommendation:

- ❖ The 4TH SLTC deliberated on the progress and strategy plan of AMRUT 2.0. The committee directed to prepare a detailed plan for setting up FSTPs in 9 AMRUT cities and ensure the

availability of land proposed for FSTPs in 9 AMRUT cities. The land issues shall be sorted out with respective District Collectors.

- ❖ The Committee directed MD KWA and Secretaries of Urban Local Bodies to prepare the City Water Action Plans for Water supply and Sewerage / Septage projects under tranche 2 urgently and suggested holding an SLTC in the 2nd week of October for the technical appraisal of SWAP-2nd tranche and DPRs of approved SWAP-1st tranche.

Decision Taken:

- ❖ The chair strictly directed to complete the preparation of DPRs under SWAP 1st tranche and also to complete the balance City Water Action Plans for Water supply and Sewerage / Septage projects urgently.
- ❖ The Committee noted the strategy plan of SEW/ Septage projects to be implemented in 9 AMRUT 1.0 cities.

Agenda Item No.4: Procedure for Issuing Administrative Sanction for Projects:

The existing system for issuing Administrative Sanction for AMRUT 1 .0 projects is as follows;

- Following the DPR preparation, the SLTC will review the DPRs and recommend the same to the SHPSC.
- The Administrative sanction for AMRUT 1.0 projects is being issued by the SHPSC as officials of Finance and planning are members of the Committee.

It is suggested to adopt the same procedure in AMRUT Phase 2 for issuing AS, as officials of Finance and planning are members of the Committee.

SLTC Recommendation:

- ❖ The SLTC approved the same procedure of AMRUT Phase-1 for issuing AS for Projects in AMRUT Phase 2 projects. The Committee suggested appraising the DPRs to SLTC following technical vetting by the SMMU / PDMC.

Decision Taken:

- ❖ The SHPSC approved the same procedure of AMRUT Phase-1 for issuing AS for Projects in AMRUT Phase 2 projects following technical vetting by the SMMU / PDMC.

Agenda Item 5: Procedure for Issuing Technical Sanction for Projects:

The existing system for issuing Technical Sanction for AMRUT 1 .0 projects is as follows;

Water Supply Projects- SHPSC authorized Kerala Water Authority to accord technical sanction for all projects under Water supply.

Sewerage Projects: For project reports prepared by KWA, KWA itself can accord the TS while for projects for which the DPRs are prepared by external consultants-TS issued by the Technical Expert Committee under AMRUT.

Storm Water Drainage: TS accorded by LSGD Engineering wing itself as per the prevailing norms.

Following the Sectorial review of projects, the SLTC will appraise and approve the projects, which is mandatory as per the AMRUT Guidelines.

SLTC Recommendation:

The SLTC approved the procedure for issuing TS for AMRUT 2.0 projects as follows;

- ❖ Water Supply Projects & Sewerage Projects -For project reports prepared by KWA SHPSC may authorize Kerala Water Authority to accord technical sanction.
- ❖ Rejuvenation of Water bodies projects- TS to be accorded by the LSGD Engineering wing itself as per the prevailing norms.
- ❖ Water Supply Projects, Sewerage/ Septage Projects and Micro Water Supply Schemes –For which the DPRs are prepared by other agencies, the Committee decided to constitute the technical expert committee for issuing the TS with following composition;

1	Chief Engineer, Local Self Government Department (LSGD)	Chairman
2	Executive Director, Suchitwa Mission	Member
3	Chief Engineer, Irrigation and Administration	Member
4	Chief Engineer, (Projects), Kerala Water Authority (KWA)	Member
5	Chief Engineer, (PPD & WASCON), Kerala Water Authority (KWA)	Member
6	Superintending Engineer, Ground Water Department	Member
7	GIS Expert/Hydraulic Expert, Centre for Water Member Resources and Management (CWRDM), Kozhikode	Member
8	Deputy Mission Director AMRUT	Member
9	Superintending Engineer, ULB Kozhikode Corporation (For North Zone)	Convener
10	Superintending Engineer, ULB, Kochi Corporation (For Central Zone)	Convener
11	Superintending Engineer, ULB Trivandrum Corporation (For South Zone)	Convener

Decision Taken:

The SHPSC approved the procedure for issuing TS for AMRUT 2.0 projects as follows;

- ❖ Water Supply Projects & Sewerage Projects -For project reports prepared by KWA, Kerala Water Authority to accord technical sanction.
- ❖ Rejuvenation of Water bodies projects- TS to be accorded by the LSGD Engineering wing itself as per the prevailing norms.
- ❖ Water Supply Projects, Sewerage/ Septage Projects, and Micro Water Supply Schemes –For which the DPRs are prepared by other agencies, the Committee decided to

constitute the technical expert committee for issuing the TS with the following composition;

1	Chief Engineer, Local Self Government Department (LSGD)	Chairman
2	Director, Liquid waste Management, Suchitwa Mission	Member
3	Chief Engineer, Irrigation and Administration/ Representative	Member
4	Chief Engineer, (Projects), Kerala Water Authority (KWA)/ Representative	Member
5	Chief Engineer, (PPD & WASCON), Kerala Water Authority (KWA)/ Representative	Member
6	Superintending Engineer, Ground Water Department	Member
7	GIS Expert/Hydraulic Expert, Centre for Water Member Resources and Management (CWRDM), Kozhikode	Member
8	Deputy Mission Director AMRUT	Member
9	Superintending Engineer, ULB Kozhikode Corporation (For North Zone)	Convener
10	Superintending Engineer, ULB, Kochi Corporation (For Central Zone)	Convener
11	Superintending Engineer, ULB Trivandrum Corporation (For South Zone)	Convener

Agenda Item No.6: Development & Implementation of Micro Water Supply Projects

11/ 93 Urban Local Bodies have the plan to implement Micro Water supply projects directly by ULBs. 8 ULBs submitted City Water Action Plans in the 1st and 2nd tranches.

As per the TOR for Project Development & Management Consultant, It is under their scope to prepare DPRs for Micro scheme Water supply projects. Since PDMC may take at least 2 more months to be on board, the scope was reduced from the PDMC to avoid further delay in developing Micro Water supply projects.

It is suggested that the Urban Local Bodies may be given freedom for engaging Ground water dpt. / CWRDM/JalNidhi/ accredited Agencies/ Empanelled list of the Implementation Support Agencies (ISAs) to support the implementation of JalJeevan Mission (JJM) for DPR preparation or both design and execution of the Micro water supply schemes as per the prevailing Government norms.

The cost of engaging the Agencies may be met from the A&OE fund, which will be fully funded by the Government of India.

SLTC Recommendation:

- ❖ To accord permission to ULBs for developing Micro water supply schemes by availing the service of KWA/Groundwater dpt. / CWRDM/ Jal Nidhi/ accredited Agencies/ Empanelled list of the Implementation Support Agencies (ISAs) to support the implementation of Jal Jeevan Mission (JJM) as per the standard Government procedures.
- ❖ The cost incurred for the same will be reimbursed from AMRUT 2.0 A&OE fund, after ensuring the successful implementation of the Scheme.

Decision Taken:

- ❖ SHPSC accorded permission to ULBs for developing Micro water supply schemes by availing the service of KWA/Groundwater dpt. / CWRDM/ Jal Nidhi/ accredited Agencies/ Empanelled list of the Implementation Support Agencies (ISAs) to support the implementation of Jal Jeevan Mission (JJM) as per the standard Government procedures.

❖ The cost incurred for the same shall be reimbursed from AMRUT 2.0 A&OE fund, after ensuring the successful implementation of the Scheme.

Agenda Item No.7: Sewerage & Septage Sector – Implementation of Faecal Sludge Treatment Plant Projects – Engagement of Accredited Agencies for Preliminary Report Preparation:

Regarding the sewerage projects to be implemented in 9 AMRUT Cities, the City Water action plan for Thiruvananthapuram submitted by the Kerala Water Authority has been approved in the 1st tranche of SWAP. CWAP of Kollam, Kochi, and Kozhikode is now included in the 2nd tranche of SWAP. City Water Action Plans for sewerage projects for other AMRUT Cities and Septage projects are to be developed urgently for inclusion in the 3rd tranche of SWAP.

The 4th Apex Committee opined that as per the terrain and topography of Kerala, for used water treatment and disposal, FSTP is a more feasible option in comparison to sewage treatment plants. And therefore, requested to make efforts for the planning of large-scale FSTPs.

As the strategy adopted for fund distribution for SEW projects in 9 AMRUT cities is based on a Need-Based Gap: 30% STP & Networks in core areas and 70% FSTP coverage in other areas, an urgent decision on the strategies to be adopted for the development of FSTP Projects is required.

As KWA already has an established Sewerage wing, it was suggested in the 4th SLTC to authorize KWA or to select Consultants/ Agencies through the competitive bidding process for preparing the detailed project reports for both design and execution of Faecal Sludge treatment Plants (FSTPs) for all the 9 AMRUT Cities. In the 4th SLTC meeting, MD KWA explained that Sewage Treatment Plants (STPs) would be an ideal solution; even though the CAPEX is on the higher side, the OPEX is lesser. In the case of Faecal Sludge treatment Plants (FSTPs), it is vice versa. Hence MD KWA suggested that the sustainable solution would be STP with co-treatment, which provide a ready solution for managing fecal sludge and septage. **The Committee was also informed by MD KWA that KWA is currently not in a position to design FSTPs.**

The 5th SLTC further considered the following;

Considering the Govt. Orders dated 22.08.2022 [G.O (Rt) No. 2055/2022/LSGD] and 16.08.2022 [G.O (Rt) No. 1983/2022/LSGD], issued by the Local Self Government Department sanctioning accreditation, respectively, to M/s. Consortium for DEWATS Dissemination Society (CDD), Bangalore, and M/s. Integrated Rural Technology Centre (IRTC), Palakkad in the field of faecal sludge management, meetings were conducted with them for the preparation of preliminary reports on the implementation of FSTPs within a short timeframe of 2 months as part of the efforts to implement Faecal Sludge Treatment Plant (FSTP) Projects under AMRUT & AMRUT-2.0.

M/s. CDD informed their willingness to take up the preliminary report preparation activities in Thiruvananthapuram Corporation, Alappuzha Municipality, Kochi Corporation, Thrissur Corporation, Kozhikode Corporation, and Kannur Corporation without any fee (only accommodation & vehicle for a site visit to be provided). Accordingly, they have been engaged and they have commenced the ULB visits for the preparation of preliminary reports on 12.10.2022.

M/s. IRTC has confirmed its willingness to take up the preliminary report preparation in Kollam Corporation, Guruvayur Municipality, and Palakkad Municipality and they will charge Rs.2.5 Lakh (including all expenses) per project, for which work order has to be issued.

It is also suggested that the expertise of Dr. Akshay Shende, Scientist, Environmental Technology Division, CSIR National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram may also be utilized for the implementation of FSTPs.

Fund available in the A & OE fund of AMRUT can be utilized for this purpose.

4th SLTC Recommendation:

- ❖ The Committee considered and decided to recommend the SHPSC for facilitating all 9 AMRUT Cities to select Consultants/ Agencies through a competitive bidding process for developing DPRs for Faecal Sludge treatment Plants (FSTPs).
- ❖ The Committee directed CE LS GD to submit a concept note to Government to improve the in-house expertise of LS GD in Septage/ sewage management.

5th SLTC Recommendation :

The Committee decided to recommend the following to the SHPSC:

- ❖ Ratification of the action taken in engaging, M/s. Consortium for DEWATS Dissemination Society (CDD), Bangalore in Thiruvananthapuram Corporation, Alappuzha Municipality, Kochi Corporation, Thrissur Corporation, Kozhikode Corporation & Kannur Corporation for the preparation of preliminary report for the implementation of FSTPs in AMRUT & AMRUT-2.0.
- ❖ Permission for engaging, M/s. Integrated Rural Technology Centre (IRTC) in Kollam Corporation, Guruvayur Municipality & Palakkad Municipality for the implementation of FSTPs in AMRUT & AMRUT-2.0 subject to the approval of a detailed TOR and time frames.
- ❖ Permission for engaging, Dr.Akshay Shende, Scientist, Environmental Technology Division, CSIR National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram for the implementation of FSTPs in AMRUT & AMRUT-2.0.
- ❖ Permission for utilizing the A & OE fund of AMRUT for these purposes.

Decision Taken:

- ❖ The SHPSC accorded permission for engaging the following agencies for the preparation of a preliminary report for FSTPs to be developed under AMRUT-1.0 & AMRUT-2.0 and for utilizing the A & OE fund of AMRUT for these purposes;
 - M/s. Consortium for DEWATS Dissemination Society (CDD), Bangalore in Thiruvananthapuram Corporation, Alappuzha Municipality, Kochi Corporation, Thrissur Corporation, Kozhikode Corporation & Kannur Corporation
 - M/s. Integrated Rural Technology Centre (IRTC) in Kollam Corporation, Guruvayur Municipality & Palakkad Municipality.
 - Dr.Akshay Shende, Scientist, Environmental Technology Division, CSIR National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram.
- ❖ The SHPSC suggested that since M/s CDD has taken up the work at no cost (only accommodation & vehicle for a site visit to be provided) for the preparation of DPR, the decision on the fee claimed by IRTC that Rs. 2.5 lakh/ project, may be taken at SLTC level after verifying the quality of the same based on the Terms of Reference agreed upon.

Agenda Item No.8: Approval of IEC Action Plan (Information, Education And Communication)

To ensure extensive outreach of AMRUT 2.0 Mission and its objectives; Information, Education, and Communication (IEC) will be undertaken. As per the AMRUT 2.0 guidelines, Information Education Communication (IEC) including Behavior Change Communication is envisaged as a key strategy for spreading awareness on the conservation of water and enhancing water use efficiency, municipal services, creation of markets for treated used water, encouraging potential investors to invest in PPP projects in the water sector, etc among the masses. IEC will envisage converting the campaign into a movement- Jan Aandolan by people and stakeholders. The guideline also states that MoHUA will devise strategies for IEC activities at the National, State, and ULB levels. The States shall leverage creative strategy and localize the content at the State, district, and ULB levels and facilitate its information dissemination. IEC tools specified in the AMRUT 2.0 guidelines are Mass Media campaigns, Social Media Campaign, Targeted Marketing through collaterals, Outdoor Publicity, Activations, Community Engagement, and Exhibition/Melas of success stories. 1% of the central assistance is earmarked for IEC activities. As per the guidelines, an annual IEC action plan is required to be submitted to MoHUA along with SWAPs..

MoHUA will receive 1/3rd of annual IEC funds, and the remaining funds will be disbursed to States. State share will be worked out giving weightage to urban population and area of States in a ratio of 90:10. Annual IEC allocation to State will be released in two installments. The first installment will be released on receipt of the IEC action plan. The second installment will be released on receipt of online claims and UC worth at least 75% of central assistance already released. In subsequent years installments will be released on receipt of the action plan and UC worth 75% of all the IEC funds released in previous years.

SLTC Recommendation:

- ❖ The SLTC approved the IEC action Plan for Rs.13.72 Cr. and recommended the same to SHPSC.

Decision Taken:

- ❖ The Committee decided to include the school-based Information Education and Communication (IEC) campaign in the IEC Action Plan.
- ❖ The IEC campaign on water conservation & Sanitation is to be done at schools through various activities like, forming science clubs, doing projects on water conservation in Schools and Houses, water quality auditing, making competitions, and thereby spreading awareness to the Public through the students.
- ❖ The Committee has suggested giving a note to the Education department for including the IEC on water conservation & Sanitation in the Science curriculum.

Agenda Item No.9: Appointment of State Nodal Agency and Nodal Officer under the sub-scheme of Formulation of GIS-based Master Plans for Cities under AMRUT 2.0

Formulation of Geographical Information System (GIS) based Mater Plan for AMRUT cities is one of the sub-schemes under AMRUT Mission. It is an important milestone under the reform “Urban Planning and City Level Plans”. The third State Level High Powered Steering Committee (SHPSC) of AMRUT phase 1, Kerala held on 04.07.2016 has approved to take up the preparation of GIS-based Master plans of all 9 AMRUT cities during the financial year 2016-17.

In Kerala, the Government has designated the department of Town and Country Planning as the Nodal agency for the implementation of the sub-scheme for the preparation of a GIS-based master plan in all 9 Mission cities. The draft Master Plan for 9 Mission cities has been prepared and submitted to MoHUA.

AMRUT 2.0 guidelines also specify the formulation of a GIS-based master plan in cities with a population of more than 50,000 but less than 1 lakh. As per Letter No. K-14011/39/2021 — AMRUT - II A dated 25.8.22, Additional Secretary to Government, MoHUA, GoI have directed to initiate action for;

- (1) Identification of State Nodal Agency preferably State Town Planning Dept
- (2) Identification of a Nodal Officer preferably from the State Town Planning Department.
- (3) Constitution of Consultancy Evaluation and Review Committee (CERC)/ Monitoring and Review Committee (MRC) if not constituted under AMRUT.
- (4) Identification of planning Area/ Mapping Area of towns in the State, covered under sub-scheme.

As per G.O (Rt), No. 90/2017/LSGD dated 11.1.2017, the Department of Town and Country Planning was designated as the State Nodal Agency and the Chief Town Planner (Planning) as the Nodal Officer for the sub-scheme on Formulation of GIS-based Master Plans for AMRUT Cities under AMRUT. Hence, the Local Self Government Department (Planning) and Chief Town Planner (Planning) may be continued as Nodal Agency and Nodal Officer respectively, for the scheme of formulation of GIS-based Master Plans for cities under AMRUT 2.0.

SLTC Recommendation:

- ❖ Committee has decided to designate the Local Self Government Department (Planning) as the State Nodal Agency and the Chief Town Planner (Planning) as the Nodal Officer for the sub-scheme of formulation of GIS-based Master Plans under AMRUT 2.0.

Decision Taken:

- ❖ **The SHPSC has decided to designate the Local Self Government Department (Planning) as the State Nodal Agency and the Chief Town Planner (Planning) as the Nodal Officer for the sub-scheme of formulation of GIS-based Master Plans under AMRUT 2.0.**

Agenda Item No.10: Approval for Procurement of Smart Application and Vehicles for the Collection of Septage in AMRUT Cities for Managing Septage Collection Activities:

Trivandrum Corporation started the application - Smart Trivandrum App so that the public can book licensed vehicles for desludging septic tanks. A call center functions in the ULB to manage online orders. The facility also allows online monitoring of the orders. All the collection vehicles are fitted with GPS and are monitored throughout the trip till the completion of the order. People can report any attempted illegal disposal of sewerage waste through Smart Trivandrum App. This has helped in preventing the illegal disposal of liquid waste into water bodies.

Under AMRUT, STPs with co-treatment is under construction, and under AMRUT-2.0, STPs with co-treatment & FSTPs are planned. Hence similar or better app may be procured for other AMRUT cities as per requirement. Septage desludging vehicles (big & small) may also be procured.

Funds available in the Sewerage & Septage Sector of AMRUT & AMRUT-2.0 can be utilized for this purpose.

SLTC Recommendation:

The Committee decided to recommend the following to the SHPSC:

- ❖ Permission for the procurement of septage vehicles (big & small) for the collection of septage in AMRUT cities as and when required through the GeM Portal or as per Govt. norms
- ❖ Permission for the procurement of apps like Smart app or better app for management of septage collection in AMRUT cities as and when required.
- ❖ Permission for utilizing the funds available in the Sewerage & Septage Sector of AMRUT & AMRUT-2.0 for these purposes.

Decision Taken:

- ❖ The SHPSC accorded permission for the procurement of septage vehicles (big & small) for the collection of septage in AMRUT cities as and when required through the GeM Portal or as per Govt. norms
- ❖ The SHPSC suggested exploring the possibility to use the Smart Trivandrum App for the whole State for the management of septage desludging services. The Committee directed the Secretary, Trivandrum Corporation to provide a detailed report on the business model including the fee levied from consumers for septage desludging, and also to ensure that the desludging services are affordable for the public. Secretary shall report compliance of the same.
- ❖ Alternatively, the Chair asked AMRUT Mission to explore the development of an App for this purpose for use at the State level. It was also directed to ensure that the software should be taken over by the State/ ULBs after development.
- ❖ Permission was also accorded for utilizing the funds available in the Sewerage & Septage Sector of AMRUT & AMRUT-2.0 for these purposes.

Agenda Item No.11: Approval of 2nd Tranche of State Water Action Plan (SWAP):

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is Rs.3495 Cr. with Central Assistance of Rs.1372 Cr. The 4th Apex committee meeting had approved the 1st Tranche of the State Water Action Plan (SWAP-1) comprising 199 water supply projects for 81/93 Urban Local Bodies and 23 SEW projects for an amount of Rs.1938.52 Cr. (CAPEX - Rs.1842.658 Cr. & OPEX - Rs.95.86 Cr.) GoI has released the 1st installment against Central Assistance of SWAP amounting to Rs.148 Cr. to the State.

WATER SUPPLY SECTOR:

- Rs.1713.40 Cr. (CA - Rs.736.10 Cr.) is allocated for Water Supply projects for all 93 ULBs.
- Rs.100 Cr. (CA - Rs.50 Cr.) is allocated as a Floating Incentive Fund for Non-AMRUT ULBs (84 ULBs) from Sewerage & Septage Sector.
- Rs.636.16 Cr. (CA - Rs.212.39 Cr.) is allocated as a Floating Incentive Fund for AMRUT ULBs (9 ULBs) from Sewerage & Septage Sector which can be utilized for Water Supply Sector to achieve universal coverage. Once this is achieved balance amount if any can be used in Sewerage & Septage Sector.
- GoI had approved the 1st tranche of Water supply projects amounting to Rs.1828.65 Cr. (CAPEX - Rs. 1738.02 Cr. & OPEX - Rs. 90.63 Cr.)

Proposals under 2nd Tranche of the State Water Action Plan - Water Supply Sector:

- Nine ULBs (Kochi, Kattappana, Kannur, Kasargode, Sreekandapuram, Erattupetta, Koduvally, Kodungallur, and Ponnani) submitted water supply proposals for **Rs.184.502 Cr.** (CAPEX - Rs.171.388 Cr. & OPEX – Rs.13.114 Cr.)
- Erattupetta and Sreekandapuram Municipalities submitted proposals for Micro Water Supply schemes for **Rs.16.009 Cr.** (CAPEX - Rs.15.109 Cr. & OPEX - Rs. 0.99 Cr.)
- All the projects satisfied the criteria stipulated in the 2nd SHPSC that the cost per household benefitted shall be less than or equal to Rs.50000/- and the coverage achieved shall be greater than or equal to 75%.

SEWERAGE & SEPTAGE:

- Rs.902.16 Cr. is earmarked for Sewerage & Septage Management Projects for 9 AMRUT 1.0 Cities.
- GoI had approved the 1st tranche of SEW projects for Thiruvananthapuram Corporation amounting to Rs.109.86 Cr. (CAPEX - Rs.104.63 Cr. & OPEX - Rs.5.23 Cr.)

Proposals under 2nd Tranche of the State Water Action Plan – Sewerage & Septage Sector:

- So far 3 Urban local bodies submitted Sewerage proposals for Rs.416.22 Cr. (CAPEX - Rs.385.00 Cr. & OPEX - Rs.31.22 Cr.)
- Kochi submitted the proposal for the construction of 5 MLD proposed STP, network, and allied components incorporating a co-treatment facility to treat septage - **Project Cost excluding O&M Charges - Rs.185.00 Cr.** against the allocated fund of Rs.189.86 Cr.
- Kollam submitted the proposal for the rehabilitation of the existing sewerage system and extension of the sewerage system for Zone-A1, Part-II and commissioning of Pallithottam and Thamarakulam pumping stations balance works - **Project Cost excluding O&M Charges - Rs.40 Cr.** against the allocated fund of Rs.69.57 Cr.
- Kozhikode submitted the proposal for designing and commissioning a comprehensive sewerage scheme for Zone-B1, Part-1 of Kozhikode Corporation. The project proposes a well-planned sewerage pipeline network for the core area of Zone-B1, Part-1 (area between the railway line to Cannoli Canal; Kallai River to KP Chandran road), pumping stations, and an STP with suitable technology of 27 MLD (for future expansion also) to ensure the quality of effluent as per KSPCB standards. A co-treatment plant is also proposed with a capacity of 250 KLD to treat septage of the non-networked area of the Kozhikode Corporation - **Project Cost excluding O&M Charges - Rs.160 Cr.** against the allocated fund of Rs.163.54 Cr.
- Respective Council resolutions are yet to be obtained.

WATERBODY REJUVENATION:

Rejuvenation of water bodies is a significant component under the Mission and 4% of central project funds are allocated for the purpose along with 1% of funds for the development of green spaces & parks amounting to <80.16Crore spread over 5 years period. Hon'ble Prime Minister has launched "Amrit Sorovor" to bring focus to rejuvenating water bodies and emphasized connecting citizens to local water bodies.

Vide the DO letter of the Additional Secretary, MoHUA, it has been requested to formulate & submit a proposal for the rejuvenation of the significant number of water bodies covering most of the cities including signature projects as a special tranche of SWAP.

As per the Guidelines of AMRUT 2.0, Admissible components under Rejuvenation of Water bodies include;

- Rejuvenation of wetlands, and water bodies by desilting, strengthening the embankments, and stone packing.
- Diverting the polluting drains to treatment plants.
- Harvesting the rainwater through storm water drains into the water body. (which is not receiving sewage/ effluent)
- Strengthening/ rejuvenation of the aquifers/ community wells.
- Creation/ strengthening of storm water drains around the water body.
- Provision of STP to treat inflow into the water body.
- Development of community green spaces linked to a clean water body.
- Funds for the projects of this sector shall not exceed 5% of the total project allocation (4% for the rejuvenation of water bodies and 1% for the development of green spaces & parks).
- 5% of the total fund is allocated for the Rejuvenation of Water Bodies and Developing Green Spaces and Parks projects. The total fund comes to Rs.143.34 Cr. (CA - Rs.68.6 Cr.)

- 67 ULBs submitted 374 projects under Rejuvenation of Water Bodies on the CWAP portal. 255 projects of 67 ULBs were selected based on area, cost, and priorities by the ULB.
- **The total cost of the 255 projects comes to Rs.82.36 Cr. (CAPEX - Rs.76.27 Cr. & OPEX - Rs.6.09 Cr.)**

2nd Tranche of the State Water Action Plan for all three sectors amounted to Rs.683.082 Cr. (CAPEX – Rs.632.658 Cr. & OPEX – Rs.50.424 Cr., inclusive of Special Tranche for Water Body Rejuvenation)

In the 5th SLTC Meeting, The Additional Chief Secretary, LSGD emphasized the issue of the low priority given to nature-based Faecal Sludge and Septage Management (FSSM) in Kerala and highlighted the FSSM in Bhubaneswar. All ULBs were asked to explore the possibility to develop FSTPs since they are viable, affordable, and could obviate the issues being faced in Kerala in liquid waste management in a very short span. It was also suggested to include projects for the rejuvenation of water sources like wells, that are used for potable water supply, in the Waterbody rejuvenation Sector.

SLTC Recommendation:

The Committee decided to recommend the 2nd Tranche of the State Water Action Plan for an amount of Rs.683.082 Cr. (CAPEX – Rs.632.658 Cr. & OPEX – Rs.50.424 Cr., inclusive of Special Tranche for Water Body Rejuvenation) to the SHPSC and submission to MoHUA:

- ❖ Water Supply Sector: 10 proposals for Rs.184.502 Cr. (CAPEX - Rs.171.388 Cr. & OPEX – Rs.13.114 Cr.)
- ❖ Sewerage & Septage Sector: 3 proposals for Rs.416.22 Cr. (CAPEX - Rs.385.00 Cr. & OPEX - Rs.31.22 Cr.)
- ❖ Water Body Rejuvenation (including the Special Tranche) - 255 proposals for Rs.82.36 Cr. (CAPEX - Rs.76.27 Cr. & OPEX - Rs.6.09 Cr.)

Decision taken:

- ❖ **The SHPSC decided to approve the 2nd Tranche of the State Water Action Plan for an amount of Rs.683.082 Cr. (CAPEX – Rs.632.658 Cr. & OPEX – Rs.50.424 Cr., inclusive of Special Tranche for Water Body Rejuvenation) and for the submission to MoHUA:**
 - **Water Supply Sector: 10 proposals for Rs.184.502 Cr. (CAPEX - Rs.171.388 Cr. & OPEX – Rs.13.114 Cr.)**
 - **Sewerage & Septage Sector: 3 proposals for Rs.416.22 Cr. (CAPEX - Rs.385.00 Cr. & OPEX - Rs.31.22 Cr.)**
 - **Water Body Rejuvenation (including the Special Tranche) - 255 proposals for Rs.82.36 Cr. (CAPEX - Rs.76.27 Cr. & OPEX - Rs.6.09 Cr.)**
 - **Council approval shall be obtained for all the projects.**
- ❖ **The Committee strongly directed expediting the DPR preparation of all the above-mentioned proposals urgently within a month.**

Agenda Item No.12: Approval of 24x7 Water Supply Projects in 9 AMRUT-1.0 Cities:

As per the AMRUT-2.0 guidelines, AMRUT cities are mandated to undertake reforms for water conservation including projects on 24x7 water supply with a drink-from-tap facility. These projects should cover at least one ward or DMA

with at least 2,000 households in a contiguous manner. Projects costing up to 20% of the project fund allocation for water supply projects in AMRUT cities may be taken up for 24x7 water supply. Additional funding for such projects will be admissible in form of reform incentives.

The Ministry of Housing & Urban Affairs has constituted a National Level Task Force and the Govt. of Kerala has constituted State & City Level Task Force, on 24X7 water supply systems for undertaking Capacity Building of States/ULBs to disseminate knowledge, best practices, guidelines on 24X7 water supply and to assist in the planning, design, and implementation of projects under AMRUT 2.0 on a long term basis.

Consequent to the workshop held in Puri, Orissa for 24X7 Water Supply projects, Kerala Water Authority has tentatively selected wards/ DMAs in each ULB suitable for such projects and submitted an action plan for implementing 24x7 Water Supply projects for Rs. 55.918 Cr. The same is under review by the Urban Local Bodies.

In the 5th SLTC meeting, the Additional Chief Secretary, LSGD gave an insight about the drink from tap mission in Puri, Orissa. Under this mission, Puri has developed a 24x7 water supply system by using the latest technologies like GIS & SCADA, SMART Water Management solutions, etc, for real-time data analysis and quality management. The Managing Director, of KWA agreed to pilot the same concept in Kannur Corporation

SLTC Recommendation:

- ❖ The SLTC noted the guidelines on 24x7 Water Supply schemes.
- ❖ It was decided to develop smart water management solutions in the selected wards of 9 AMRUT 1.0 cities.
- ❖ KWA and Secretaries of 9 AMRUT cities were instructed to develop 24x7 Water Supply projects with the aid of State and City level task forces and Orissa WATCO.

Decision taken:

- ❖ **The Committee directed KWA and Secretaries of 93 AMRUT cities to explore the possibilities to develop 24x7 Water Supply with Drink from Tap facility and smart water management solutions in the selected wards with the aid of National, State, City level task forces and Orissa WATCO.**
- ❖ **All AMRUT 1.0 cities shall execute the same mandatorily with the assistance of the above agencies.**
- ❖ **KWA was strongly directed to take steps parallelly to address the major issues to ensure the quality and quantity of water supplied.**

Agenda Item No.13: Progress - Selection of Project Development and Management Consultants (PDMC):

As per Clause-6.7 of AMRUT 2.0 guidelines, to ensure efficient implementation of projects, the State and ULBs should follow an approach wherein end-to-end support for project design, development, implementation, and management is provided to ULBs/ States/ UTs by external entities (PDMCs).

Vide G.O. (Rt) No. 565/ 2022/ LSGD dated 09.03.2022, Government has entrusted the Centre for Management Development (CMD) to invite RFPs for Project Development and Management Consultant (PDMC) for AMRUT 2.0. Bids were invited with a deadline of 14th April 2022. A pre-bid meeting was held on 31.03.2022, in which representatives of 13 bidders participated.

RFP was modified in line with the pre-bid queries, model RFP of MoHUA & RFPs of other states PDMC for AMRUT 2.0, and the Government has approved the same vide G.O. (Rt)No.1973/2022/LSGD dated 15.08.2022. The modified RFP was published on 23.08.2022 in the CMD portal. The due date for submission of the bid was 6th October 2022. 6 proposals were received from the following bidders;

1) Shah Technical Consultants 2) Tata Consulting Engineers Limited 3) WAPCOS Ltd. 4) URS Scott Wilson in JV with AECOM 5) Tata Consulting Engineers Limited & 6) Earnst & Young.

Subsequently, technical bids were opened on 14th October 2022 in the presence of CSC members and representatives of bidders. Since Tata Consulting Engineers Limited has submitted two e-bids, the Committee has jointly recommended disqualifying the bids since RFP, Clause 7.1-Proposal stipulated that "**Consultants may only submit one proposal. If a Consultant submits or participates in more than one proposal, such proposals shall be disqualified**".

The technical proposals are being evaluated by the Consultant Selection Committee. The Technical Proposal Evaluation Report will be submitted to the SLTC for approval.

SLTC Recommendation:

- ❖ The Committee took note of the progress achieved and directed to expedite the technical evaluation and place it in the next SLTC.

Decision Taken:

- ❖ The SHPSC took note of the progress achieved.

Agenda Item No.14: Administrative Sanction of Projects Approved under 1st Tranche of SWAP:

As per the AMRUT 2.0 guidelines, SLTC will be primarily responsible for the technical appraisal of DPRs and tender documents. Before giving approval, SLTC shall ensure the availability of undisputed land for projects, the inclusion of O&M for at least five years, and the last stretch of tap/ sewerage connectivity to households.

The SLTC in its 4th meeting approved the same procedure of AMRUT Phase-1 for issuing AS for Projects in AMRUT Phase 2 projects. The Committee also suggested appraising the DPRs to SLTC following technical vetting by the SMMU / PDMC.

The 4th Apex committee meeting under the Atal Mission for Rejuvenation and Urban Transformation 2.0 (AMRUT 2.0) held on 12.08.2022 has approved tranche 1 of the State Water Action Plan (SWAP-1) comprises **199 WS projects** for 81/93 Urban Local Bodies and **23 SEW projects** for one ULB based on the criteria stipulated in the 2nd SHPSC that Cost per household benefitted less than or equal to Rs.50000/- and coverage achieved greater than 75% for an amount of Rs.1938.52 Cr.

As of now, detailed project reports for 89 Water Supply projects (CAPEX – Rs869.00 Cr.) were received from various ULBs. The projects evaluated by the office of MD KWA as feasible and partially feasible only were taken for verification (77 projects – amounted to Rs.616.829 Cr.). All the DPRs have been scrutinized by the State & City Mission Management Units of AMRUT. **Only feasible projects with undisputed land and with Operation & Maintenance for 5 years are recommended for approval. One project** - for proposed OHSRs at Pushapagiri & Puliparamba in Taliparamba Municipality, the Secretary assured vide Letter No. 14300/22 dated 14.10.2022 that land would be finalized within a month. Hence the same is recommended for approval.

Hence, it is recommended to issue AS for 77 projects amounting to Rs.616.829 Cr. (CAPEX - Rs.588.616 Cr. & OPEX - Rs.28.213 Cr.)

For a few projects, while preparing the detailed engineering reports by the Kerala Water Authority, cost overruns were warranted due to the adoption of PRICE 3 and due to the inclusion of road restoration charges. Major increases in CAPEX Costs were observed mainly in 2 project proposals from Kollam (Rs.2.51 Cr.), 3 proposals from Kochi (Rs.1.536 Cr.), one from Koothattukulam (Rs.50 Lakh), and 2 proposals from Kottayam (Rs.1.195Cr.), but within the

allotted fund for the ULB and hence no additional fund is necessary. Apart from this minor increases in CAPEX Costs were observed for Haripad, Maradu, Punalur&Piravom Municipalities.

For AMRUT 2.0 cities an amount of Rs.100 Cr. was earmarked as a floating fund for Water Supply Sector. So far, out of this, Rs.10.76 Cr. was allocated for 22 ULBs while approving the 1st Tranche of SWAP. The additional fund requirement for the 4 ULBs comes to Rs.36.7 lakhs and this can be met from the balance floating fund.

The recommended list of projects for issuing Administrative sanctions is as follows:

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
1	Paravoor (Kollam)	Amrut 2.0 - Providing house connections and distribution network in Paravoor Municipality	13.007 1	0.1509	13.158	1. House connection works 2. Laying additional Distribution including replacement of existing AC pipes, JICA gap closing works & new line extension 3. Valve chambers & other miscellaneous works 4. LSGD Road restoration works 5. JICA Pookulam 30LL OHSR Renovation 6. PWD Road Restoration 7. 5 year O & M
2	Kayamkulam	Amrut 2.0 - UWSS to Kayamkulam Municipality phase 1	19.697	0.19	19.887	1. Urgent civil repair works of existing 12MLD WTP at Pathiyoor, 2. Construction of 12LL OHSR at PH Section office compound, 3. Laying Distribution network of 10KM in and around the Municipal area, 4. Laying of Conveyance main for a length of 1200mm, 5. Providing 4400 nos. FHTCs in various wards of the Municipality
3	Shornur	Amrut 2.0 Shornur Municipality Pipeline replacement/ extension of various size pipes and providing 2290 FHTCs phase 1	11.45	0.7	12.15	1. Supply and laying of distribution network New / Replacement of old AC pipes with 160mm,140mm,110mm PVC pipes -24000m 2. Providing 2290 nos of FHTC'S to ShoranurMunicipality

Sl No.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
4	Cherpulassery	AMRUT 2.0-CHERPULASSERY MUNICIPALITY - Providing distribution Mains for a length of 12625 m and interlinking with existing network, Providing 2300 FHTCs.	10.029	0.6017	10.6307	1. Supplying and Laying of Distribution Network pipe size 450mm DIK9 (1445m), 350mm DIK9 (895m), 160mm PE PN8 pipe(7335m) and 160mm PE PN10 pipe (1920m), 160mm PE PN12.5 pipe (1030m) 2. Providing 2300 nos. FHTCs
5	Kollam	AMRUT 2-Providing 10000 FHTCs in various zones in Kollam Corporation Phase 3	22	0.22	22.22	1.) 10000 FHTCs 2.) Pipeline Extension 37km 3.) Replacement 4.) Augmentation
6	Kollam	AMRUT 2-AWSS to Kollam Corporation -Improvements to Water Supply in Chinnakkada Zone -Construction of 15.67 LL OHSR in Bishop Jerome Nagar	7.363	0.09	7.453	1. OHSR tank of 15.67 LL capacity 2. Distribution improvements by interconnecting the outlet with the existing distribution system.
7	Kollam	AMRUT2.0-AWSS to Kollam Corporation -Improvements to Water supply in Vasoorichira zone - Interconnecting 20 LL OHSR with Existing Distribution Network	0.5	0.09	0.59	1. Distribution System
8	Kollam	AMRUT 2.0-AWSS to Kollam Corporation - Improvements to Water Supply in Cantonment zone- INTERCONNECTING EXISTING DISTRIBUTION LINEM.S GRAVITY MAIN NEAR KWA BOTCO PUMP HOUSE AREAS, NANDAVALLESWARAM ZONE, MANICHITHODE	1.7883	0.5	2.2883	Interconnection works with distribution
9	Kollam	AMRUT2.0-AWSS to Kollam Corporation- Improvements of Water Supply in Thamarakkulam&Mundakkal Area- CONSTRUCTION OF 8 LLOHSR N MUNDAKKAL, 1 LL SUMP, PROVIDING 2 NOS 20 HP PUMPSETS,PROVIDING TRANSMISSION MAIN TO MUNDAKKAL FOR 1500M USING 250MM DI PIPE, INCLUDING ROAD RESTORATION CHARGES	8.531	0.5	9.031	1. 8 lakh litre OHSR 2. transmission network 3. Pumbsets(20 HP)

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
10	Chengannur	Amrut2.0-Pipe line extension and providing Household connections in Chengannur Municipality	3.2	0.15	3.35	1. Laying of new distribution lines and interconnection works 2. Providing new household water tap connections 3. Renovation of Kunnathumala WTP
11	Anthoor	AMRUT2.0-Anthoor Municipality-Amrut 2.0-2022-23-Laying distribution system and providing FHTCs	6.755	0.5	7.255	1. extension of distribution pipelines 2. Providing 3080 Nos. new FHTCs
12	Thaliparamba	Municipality- 2022-23-Construction of OHSRs at Pushpagiri and Pulimparamba, Laying distribution pipeline and providing FHTCs in Taliparamba	6.414	0.5	6.914	1)-Construction of OHSRs at Pushpagiri and Pulimparamba (2Num), 2)Laying distribution pipeline total length of 3200 m. 3)Provision to Provide 996 Nos. new FHTCs in Taliparamba
13	Chittur - Thathamangalam	AMRUT2.0-Chittur Tattamangalam Municipality - Construction of 5 LL OHSR, Supply and erection of motor pump sets, pumping main, distribution main, pipe line extensions and providing FHTCs	7.812	0.7812	8.5932	1. Clear Water Pumps 2. 5 LL OHSR at Thathamangalam 3. FHTCs -2600 nos. 4. Clear Water Distribution network and extension of existing distribution network.
14	Perumbavoor	AMRUT2.0-Perumbavoor Municipality-Augmentation of water supply scheme	8.815	0.83	9.645	1. Renovation of 10 MLD WTP at Kanjirakkad 2. Replacing old and damaged AC pipe lines. 3. Erecting a new boosting pump at kanjirakkad plant. 4. Laying boosting line of length 3.7 Km from Kanjirakkad plant to Pattal area. 5. Providing FHTCS - 1500 nos.
15	Muvattupuzha	AMRUTH 2.0-MUVATTUPUZHA MUNICIPALITY-RENOVATION OF EXISTING WATER SUPPLY SCHEME UWSS TO MUVATTUPUZHA & Providing FHTC to all Households	6.4	0.08479	6.4847895	1. Replacing and laying Distribution net work for a length of 18500 m, to meet the present demand. 2. Provisions for 1500 new water connections for the residents in the Municipality

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
16	Koothattukulam	AMRUTH 2.0 - Kuthattukulam Municipality - Renovation of Existing Water Supply Scheme UWSS to Koothattukulam	5.213	0.08537	5.2983702	1. Supplying and laying distribution lines 2. Providing functional house hold tap connections - 500, from the existing distribution lines with necessary extension and replacement with augmenting the system
17	PIRAVOM	Amruth 2.0 Improvement of waterline distribution , providing FHTC and SUPPLY ,AND FIXING OF NEW PUMP SET to Urban households of Piravommunicipality	4.468	0.062699	4.530699	1. Providing FHTCs - 2000 from the existing distribution system with essential pipeline extensions and replacement by augmenting the system 2. 20 HP submersible Motor Pumping to Kombanamala and 5HP motor pumping to 16 MLD OH tank
18	Thodupuzha	AUGMENTATION OF UWSS TO THODUPUZHA MUNICIPALITY- Providing Drinking water Connections to 2000 Households.	9.64	1	10.64	1. Extension of distribution lines to uncovered areas of Municipality 2. Construction of Boosting Pump House at Karoopara 3. Providing Clear Water Pump sets and Pumping Mains 4. Construction of 0.501L capacity GLSRs at Kallumary.andldikettipara. 5. Providing service connection facility to 2000nos Households
19	Angamaly	AMRUT 2.0-Providing Functional Household tap connections to AngamalyMunicipality,Replacement of damaged distribution lines ,providing rider lines and extensions and allied works	4.761	0.2	4.961	1. FHTCs- 1000 nos 2. Replacement of existing damaged main, distribution lines, 3. Street main extension 4. Providing rider lines for 8852 m.
20	Thrikakkara	AMRUT2.0-Construction of 10LL GL SUMP , PUMP HOUSE AND ALLIED WORKS in cochin university compound	3.05	0.3104	3.3604	1. 10 LLGL SUMP & PUMPHOUSE 2. PUMP SET- 2Nos 150 HP VT pumps 3. TRANSMISSION MAIN- 500mm DI k9 for a length of 80m to extend from existing transmission main to the proposed sump

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
21	Eloor	AMRUT 2.0 - ELOOR MUNICIPALITY - CONSTRUCTION OF 15LL CAPACITY OHSR NEAR OLD AYURVEDHA HOSPITAL MANJUMMAL, LAYING 300MM DI(K9) PIPES AND ALLIED WORKS.	6.99	0.3504 5	7.3404 5	(1) Supply laying of 300 mm DI K9 pipe from CSIR junction to proposed tank site at Manjummel for a length of 2300 meter. (2) Construction of 15LL overhead tank at Municipal land to Manjummel and allied works. 3. Supply and laying 300 mm MS pipes for crossing the Manjummel regulator bridge. - 100 m
22	Maradu	AMRUT 2.0-WSS TO MARADU MUNICIPLITY - Phase 1- Providing FHTC's by arrgumenting or: retrofitting the existing Water Supply Scheme and pipe line extension	1.638	0.1	1.738	1. Pipe line extension in varoius wards. 2. Proposed FHTCs- 700
23	KALAM ASSERY	AMRUT 2.0 - KALAMASSERY MUNICIPALITY- CONSTRUCTION OF 20LL OHSR TANK NEAR CUSAT PUMP HOUSE AND ALLIED WORKS.	13.413	1	14.413	1. Construction of 20LL OHSR 2. Extension of distribution line. 3. 1000 Nos of new FHTCs 4. A pumb cum sump house.
24	Thalasse ry	"AMRUT 2.0-WSS to Thalassery Municipality- Extension/Replacement of Distribution net work& providing FHTCs in Thalassery Municipality"	24.646	1.848	26.494	1. FHTCs- 5250 2. Extension of pipe lines.
25	Haripad	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Laying distribution line	3	0.2	3.2	Laying of distribution lines. FHTCs- 900
26	Haripad	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Construction of 9 LL OHSR at Thrippakkudam	4.08	0.2	4.28	construction 7LL of OHSR at Thrippakkudam

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
27	Haripad	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Providing FHTCs in Harippad Municipality	1.23	0.0069 6	1.2369 6	Providing FHTCs- 900
28	Haripad	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Laying transmission main to newly proposed OHSR at Thrippakudam	0.675	0.01	0.685	supplying and laying of 400m transmission main
29	ALUVA	AMRUT 2.0 - Aluva Municipality- Providing new house connections ,replacing old damaged AC/GI pipes ,supplying and installing 2 Nos VT pump sets at WTP.	1.348	0.013	1.361	1. replacement of 620m of damaged AC/GI pipes with 110mm PVC pipe 2. 200m 90mm PVC pipe for interconnections 3. 2 numbers 120 HP VT pump sets to WTP 4. 500 numbers of FHTC.
30	Koothuparamba	AMRUT2.0 WSS TO KOOTHUPARAMBA MUNICIPALITY AND PATTIAM,KOTTAYAM PANCHAYATHS-LAYING DISTRIBUTION NETWORK AND PROVIDING FHTCS IN KOOTHUPARMABU MUNICIPALITY	9.37	0.7	10.07	1. Providing FHTCs- 3020 2. Extension of pipelines.
31	Palakkad	AMRUT2.0-PALAKKAD MUNICIPALITY-Providing new House Connections and carrying out works in Pipelines to improve water supply levels in the connections	18.24	0.6	18.84	1. Distribution lines 2. Providing FHTCs in AMRUTH- 1500 3. 2350 Nos. Shifting of Connections
32	Kochi	AMRUT 2.0- PRIORITY-3- Replacing old and damaged 100 AC PiPes and laYing of 160 mm PVC pipes in Perumbotta road and providing new FHTC in divisions 33'70' 7 1' and 72 of Kochi CorPoration.	1	0.005	1.005	1. Distribution system 2. FHTCS- 352
33	Kochi	AMRUT2.0-Priority-4 Water supply improvements to Pachalam zone - providing distribution mains from the Pachalam OHSR - PHASE 1	4	0.2	4.2	Distribution system

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
34	Kochi	AMRUT 2.0- Priority 06- Water supply improvements to Pachalam zone - providing distribution mains from the Pachalam OHSR- PHASE 2	15	0.75	15.75	Distribution system
35	Kochi	AMRUT 2.0-Priority 7-Water supply improvements to Kaloor zone- laying distribution mains from the OHSR at Kaloor	19	0.95	19.95	Distribution system
36	Kochi	AMRUT- 2.0 -Priority 9- Improving water supply to Mundamveli - feeder line from Karuvelippady PH to Mundamveli church - Manassery church and replacement of old and damaged pipes	7.18	0.416	7.596	1. Providing feeder lines 2. Replacement of old and damaged pipes.
37	Kochi	AMRUT 2.0 -Priority 10- Replacing old damaged primo pipe, laying rider line from shipyard quarters road to K.P. Vallon road and laying distribution pipe from Thevara market bridge	4.5134	0.5	5.0134	Replacement of old and damaged pipes.
38	Kochi	Amrut 2.0 - Priority13- Construction of 4 lakh litres GLSR at Thoppumpady- interconnecting the pumping main from Maradu plant with proposed GLSR and renovation of pump house	7.11	0.3026	7.4126	1. Construction of 4LL GLSR 2.Replacement fo existing distribution liens. 3. Renovation of pumb house.
39	Kochi	Amrut 2.0 -Priority 15- Improving the water supply to Ashoka road - replacing the old and damaged pipes	2	0.002	2.002	1. Replacement fo existing damaged pipelines 2. Providing FHTCs- 200
40	Kochi	Amrut 2.0 - Priority 17- Replacement of old AC pipe from Kathrikadavu over bridge (Kumaranassan junction) to Karshaka road	2.5	0.5	3	Supplying and laying of distribution lines from existing lines.
41	Kochi	Amrut 2.0 - Priority 18- Improving water supply at Perumpadappu and Edakochi area- providing feeder lines	4.076	0.192	4.268	Providing feeder lines.

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
42	Kochi	Amrut 2.0 - Priority 19- Replacement of old and damaged pipes at Vathuruthy colony in division 30	0.92	0.005	0.925	Laying of distribution lines.
43	Kochi	Amrut 2.0 -Priority 20- Improvement of WS to divisions no. 13 to 20 - replacement of old pipes and improvements in pumping system, renovation of pump house etc.	5.6978	0.0696 9	5.7674 9	1.Replacement of AC pipes 2. Supply and commissioning of 90HP DumD and motor 3. Renovation of PH 4. Supplying and fitting 500 KVA transformer and allied works
44	Kochi	Amrut 2.0 -Priority-22- Providing FHTC to the existing completed schemes in Kochi Corporation division no 1 to 28 (new)	11.078	0.4	11.478	1.Providing FHTCs- 7000 2.Street main extension
45	Kochi	Amrut 2.0 -Priority-24- Construction of GLSR-15LL & OHSR-15 LL capacity, Supply and Erection of 120HP (2Nos) & 75Hp (2Nos) pump sets and interconnection works at perumanoor pump house and replacement of old and damaged pipes in various roads in Division 39 (Old) of Kochi Corporation	17	0.005	17.005	1. Demolishing of existing sump and connected works 2. Construction of new GL tank and pump house 3. Construction of OH tank and other works 4. Erection of pump sets and other electrical works 5. Replacing old damaged pipe line in Manikkiri road and Bye lane of Ravipuram road.
46	Kochi	Amrut 2.0 -Priority 24 A- Improving water supply to Fort Kochi area - Supplying, laying, testing and commissioning of 600mm DI K9 pumping main for a length of 3300m from Beach road Jn. to Fort Kochi OHSR	11.078	0.4	11.478	Providing pumping main.
47	Cherthala	AMRUT 2.0 - CWSS to Cherthala Municipality- Providing household retrofittable/ extendable water connections phase 1 & 2	9.5	0.475	9.975	1. Providing FHTCs- 5180 2. Providing pipelines

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
48	Alappuzha	AMRUT 2.0 - WSS to Alappuzha municipality Providing Standby raw water and clear water pump sets, Flow Meter and General Maintenance works of WTP at Karumady	1.7755	0.6	2.3755	1. Providing 360 HP standby clear water pump set at Karumadi WTP 2. Providing 240HP standby raw water pump set at intake well 3. Supplying and erection of flow meter
49	Alappuzha	AMRUT 2.0 -Augmentation Of WSS For Alappuzha Municipality by Providing distribution network for 30 kms	8.493	1.2	9.693	Distribution network
50	Alappuzha	AMRUT 20 -WSS to Alappuzha municipality- Providing Water Kiosks at Nehru trophy ward & Nehru trophy finishing point in Alappuzha Municipality	0.2753	0.06	0.3353	Water kiosk
51	Alappuzha	AMRUT 20 - WSS to Alappuzha Municipality providing FHTCs in Alappuzha Municipality	28.445	0.02	28.465	1. FHTCs- 22000 2. Distribution network
52	Mannarkadu	AMRUT-2.0- Augmentation of UWSS to Mannarkkad Municipality - Providing FHTCs and pipe line extension	6.68	1	7.68	1. 8LL OHSR 2. SUPPLYING AND LAYING CLEAR WATER PUMPING MAIN 4. Distribution networks. providing FHTCs

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
53	Kochi	AMRUT2.0 -Priority1- Improving water supply at Palarivattom, Edappally , Vennala area- replacement of old pipes- laying distribution mains from Palarivattom to Vadathode- IMPROVING WATER SUPPLY TO KOCHI CORPORATION DIVISIONS 34,35,36,37 & 40(NEW) (old 32,49 & 50) BY LAYING 500 mm DI (K9) & 160 mm PVC (6Kg/cm2) PIPE LINE FROM EDAPPALLY TO VADATHODU AT PONEKKARA ROAD AND LAYING 160 mm PVC FROM THAMMANAM TO PALARIVATTOM AT VYLOPPIPPY ROAD	15.75	0.01	15.76	Replacement of existing distribution lines.
54	Kochi	AMRUT 2.0 - Priority 2- Improving Production capacity of 100 MLD WTP- Supply and fixing of VT pump sets at RWPH, Pazhoor and interconnection	4.25	0.4	4.65	supply, erection, testing, and commissioning of 3 pre- qualified VT pump sets with a minimum discharge of 2400 m3/hr
55	Kochi	Amrut 2.0 - Priority 16- Replacement of old and damaged AC/GI pipe and extension of distribution lines in division no 1 to 10 and 23 to 28	4	0.41	4.41	1. Laying of distribution lines. 2. Providing FHTCs- 3878
56	Kochi	Amrut 2.0 Priority 12- Improving the water supply at Kumaranasan road- laying distribution pipe from Kathrikadavu bridge to STP junction	1	0.005	1.005	Replacement of existing lines.
57	Kochi	Amrut 2.0 - Priority 14- Improving the water supply at Vinoba nagar- laying distribution pipe from K.P.Vallon road	0.5	0.005	0.505	1.. Replacement of existing distribution lines. 2. Shifting of 500 nos of existing connection.

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
58	Kochi	Amrut 2.0 -Priority 8- Improving water supply at Chalikkavattomarea-Laying 200mm DI pipe and 160mm PVC pipe along NandanathKochacko road from Thammanam Junction and crossing NH by HDD method using 225mm PE pipe and 400mm MS pipe as casing for improving water supply at Chalikkavattom in Kochi Corporation Division 45 & 48(new) 31,32 &33(old)	2	0.005	2.005	Distribution main
59	Kochi	Amrut 2.0 -Priority 11- Improving water supply at Ponnurunni area in Kochi Corporation division no.53(new) and 31(old) by laying 160mm PVC pipe along PonnurunniKunjanBava road	0.5	0.005	0.505	Laying of distribution lines.
60	Kochi	Amrut 2.0 - Priority 21- Laying new 160mm PVC pipe at Chittoor road instead of old Cl pipe and Britoly pipe in Div 39,40 & 42 (old) of Kochi Corporation	1.21	0.005	1.215	Replacement of pipelines.
61	Ottappalam	AMRUT - 2.0 - UWSS Ottapalam -Augmentation of Urban Water Supply Scheme to Ottappalam Municipality- Supplying and Laying Distribution System,ProvidingFHTCs,Ren novation of Existing 13 MLD Water Treatment Plant,Renovation to OHSRs,GLSRs, Office building &Supply,Erection and Commissioning of Motor Pump Set at Clear Water Pump House	10.508	0.242	10.75	1. Renovation of Existing OHSRs, GLSRs Office Building 2. Renovation of Water Treatment Plant, Kayarampara 3. Providing FHTCs 4. Supply and Erection of Motor Pump Set 5. Supplying and laying distribution network
62	Changanacherry	AMRUT 2.0 CWAP-UWSS roChanganacherry	11.247 8213	0.1321 79	11.38	1. Laying of new distribution lines and interconnection works 2. Providing new house hold tapconnections

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
63	Palai	AMRUT 2.0, Augmentation of UWSS to Pala Municipality in Kottayam District	4.96	0.3	5.26	1. Laying gravity mains. 2. Laying Distribution lines and Providing FHTCs 3. Construction of New Sump cum pump house at Kannadiyurumbu
64	Pathanamthitta	AMRUT - 2.0- City Water Action Plan Strengthening of 'Water Supply Scheme- Laying Raw'Water&Clear'Water Pumping Main, Construction of 10 MLD W'TP, Supply and installation of pumpsets, transformer)	10.75	0.5	11.25	1) Laying 400 mm DI K9 pipes as Raw Water pumping main 2) construction of 10 MLD water Treatment plant at Farnpoorippara 3) Laying 400 mm DI K9 pipes as Clear Water PLRrnping Main to the existing OHSR. 4) Supply and installation of 20 HP VT pumpset at intake and 190 Hp CF pluxpset at WTP 5) Supply and Installation of 500 KVA, 11KV/433v indoor type transformer.
65	Pathanamthitta	AMRUT - 2.0- City Water Action Plan Strengthening of water supply-Distribution Network of Pathanamthitta Municipality (Part) Amrui2.0(Replacing, Extension Providing FHTCs & shifting connections)	3.5	0.5	4	1. Providing FHTCs- 200 2. Extension of line.
66	Pathanamthitta	AMRUT - 2.0 - City Water Action Plan Source Improvement Works at Kallarakkadavu	0.75	0.15	0.9	<ul style="list-style-type: none"> • Laying 3 Nos of leading pipes with 500 mm DI K9 pipes to collect raw water • Construction of a new Collection chamber of size 5M x 2 M size • Rectification renovation works at the existing 9 M dia Well cum pump house.
67	Thiruvalla	AMRUT 2.0 -UWSS to THIRUVALLA MUNICIPALITY- REPLACING PUMP SETS IN THIRUVALLA MUNICIPALITY"	1.34	0.0417	1.3817	Replacing pump set at Kallisheri plant.

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
68	Thiruvalla	AMRUT 2.0 UWSS to Thiruvalla municipality- Providing FHTCs and distribution line extension in Thiruvalla municipality	10.073 9	0.2109	10.284 8	1. FHTCs- 1400 2. Extension of 19 km line.
69	Thripunithura	AMRUT 2.0 -WSS TO TRIPUNITHURA MUNICIPALITY- Providing FHTC, by augmenting or retrofitting the existing Water Supply Scheme and laying new rider line	12.09	0.2	12.289 9999	1. Providing FHTCs- 1300 2. Street Main Extension 3. Rider line laying
70	Kottayam	AMRUT2.0-PROVIDING FHTCS IN KOTTAYAM MUNICIPALITY- AMRUT2.0- PROVIDING FHTCS IN KOTTAYAM M-PIPELINE WORK	17.018	1.165	18.183	1. Providing FHTCs- 2450, Replacing of connections- 1500 2. Augmentation and replacement of existing damaged pipes.
71	Kottayam	AMRUT 2.0-KSP-WSS To Nartakom - pipe line extension and providing FHTCS in Naltakorn area of Kottal, am municipali4.- Pipeline Work	14.667	0.733	15.4	1. Providing FHTCs- 1500, replacing 1500 connection 2. Distribution network
72	Kottayam	AMRUT 2.0-KSP-WSS to Kumaranalloor area- pipeline extension and providing FHTCs in Kumaranalloor area of Kottayam Municipality, Pipeline work.	9.51	0.475	9.985	1. Providing FHTCs- 1500, replacing 1500 connection 2. Distribution network
73	Punalur	AMRUT 2.0- Construction of Boosting Pump arrangement with OH tank in Kalayanadu area, FHTCs for water supply in various elevated ward in the east of Punalur Municipality-	2.52	0.02	2.54	1. A boosting pumping arrangement from the existing WTP scheme of Municipality by construction of sump cum pump house, 2. RCC OH tank of 60,000 ltr capacity, 3. 100mm dia DI pumping line - 700.00 m, 4. providing PVC line of various sizes 2500.00 m 5. providing water to 765 no households.

Sl N o.	ULB	Name of the Project	Project Cost			Major Components
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
74	Punalur	AMRUT 2.0 Replacement of old pipes with PVC pipes and providing water connections to Households at ManiyarBharanikavu and college wards in Punalur Municipality	3.03	0.03	3.06	1 Replacement of old pipes with PVC pipes in Maniyar, College and Bharanickavu ward in Punalur Municipality 2 Providing/shifting house hold water connections – 645no.
75	Punalur	AMRUT 2.0Construction of new OHSR for Thumpodu Scheme and replacement of existing pumpline, distribution line and providing new distribution lines, new connections and allied works	3.34	0.04	3.38	1. a boosting pumping arrangement from the existing clear water pump house in WTP of Municipality, 2. RCC OH tank of 1,00,000 ltr capacity, 3. 150mm dia DI pumping line - 2500.00 m, 4. providing PVC line of various sizes 9700.00 m 5. providing/ shifting water connection to 928 no households.
76	Tirurangadi	"AMRUT 2.0 - Water Supply Scheme to Tirurangadi Municipality (Phase-1)"	14.56	1	15.56	1. Raw water pumping main 2. clear water pumping main 3. Raw Water Pump sets 4. Transformers and Electrical installation 5.construction of a new 7.00 LL OHSR cum booster pump house at Kakkad 6. 6.80 Km feeder distribution lines 7. FHTCs- 1000
77	Kondotty	AMRUT 2.O- Providing FHTCs toKondotty municipality .(WSS to Cheekode and adjoining villages)	16.696	1	17.696	1. Providing FHTCs- 14000 2. Distribution line
		TOTAL	588.61 6121	28.212 54	616.82 86586	

SLTC Recommendation:

The Committee decided to recommend the issuance of Administrative Sanctions for the 77 projects amounting to Rs.616.829 Cr. (CAPEX - Rs.588.616 Cr. & OPEX - Rs.28.213 Cr.) subject to the following conditions:

- ❖ A detailed assessment is to be done on the households benefitted in each project either through the existing scheme or through the new connections proposed.
- ❖ The proposals should meet the criteria stipulated by the SHPSC that the cost per household benefitted shall be less than or equal to Rs.50000/- and coverage achieved shall be greater than or equal to 75%.

Decision taken:

- ❖ The SHPSC noted that all the proposals satisfied the criteria stipulated by the SHPSC that the cost per household benefitted shall be less than or equal to Rs.50000/- and coverage achieved shall be greater than or equal to 75%.
- ❖ The Committee accorded Administrative Sanctions for the 77 projects amounting to Rs.616.829 Cr. (CAPEX - Rs.588.616 Cr. & OPEX - Rs.28.213 Cr.)
- ❖ The Committee directed KWA and ULBs to fund O&M through an appropriate cost recovery mechanism.
- ❖ The Committee directed expediting the TS and tender procedures of all the works before the end of November.

Agenda Item No.15: Reconstitution of the State-Level Technical Committee for AMRUT 2.0.

Vide G.O.(Rt)No.523/2022/LSGD dated 5/03/2022, Government has constituted a State Level Technical Committee for AMRUT 2.0 (SLTC) for performing the key functions specified in the guidelines issued by Ministry of Housing and Urban Affairs with following Officials for the effective technical scrutiny of projects proposed under AMRUT 2.0:

- 1) Additional Chief Secretary, LSGD- **Chairperson**
- 2) Secretary, Local Self Government Department (Urban)
- 3) Secretary(Expenditure), Finance Department
- 4) Managing Director, Kerala Water Authority
- 5) Mission Director, AMRUT - Member Secretary & Convenor
- 6) Technical Member, Kerala Water Authority
- 7) Member Secretary, Kerala Pollution Control Board
- 8) Chief Town Planner (Planning)
- 9) Director (Liquid Waste Management), Suchitwa Mission
- 10) Chief Engineer(Administration), Public Works Department
- 11) Chief Engineer, Local Self Government Department
- 12) Chief Engineer, Irrigation Department
- 13) Chief Engineer (Electrical), Public Works Department
- 14) Representative from CWRDM
- 15) Representative from State Public Health Lab

In the 5th Meeting of the State Level Technical Committee, the Principal Secretary, LSGD suggested the inclusion of the Executive Director, Suchitwa Mission as a member of the State Level Technical Committee of AMRUT 2.0 as synergy between Suchitwa Mission, SBM-2.0 & AMRUT is required in the case of implementation of liquid waste

management projects. The SLTC decided to recommend the SHPSC for the reconstitution of the State Level Technical Committee of AMRUT 2.0 with the inclusion of the Executive Director, Suchitwa Mission as below.

- 1) Additional Chief Secretary, LSGD- **Chairperson**
- 2) Secretary, Local Self Government Department (Urban)
- 3) Secretary(Expenditure), Finance Department
- 4) Managing Director, Kerala Water Authority
- 5) Mission Director, AMRUT - **Member Secretary & Convenor**
- 6) **The Executive Director, Suchitwa Mission**
- 7) Technical Member, Kerala Water Authority
- 8) Member Secretary, Kerala Pollution Control Board
- 9) Chief Town Planner (Planning)
- 10) Director (Liquid Waste Management), Suchitwa Mission
- 11) Chief Engineer(Administration), Public Works Department
- 12) Chief Engineer, Local Self Government Department
- 13) Chief Engineer, Irrigation Department
- 14) Chief Engineer (Electrical), Public Works Department
- 15) Representative from CWRDM
- 16) Representative from State Public Health Lab

Decision Taken:

❖ **The Committee approved the proposal for the reconstitution of the SLTC with the following members.**

1. **Additional Chief Secretary, LSGD- Chairperson**
2. **Secretary, Local Self Government Department (Urban)**
3. **Secretary (Expenditure), Finance Department**
4. **Managing Director, Kerala Water Authority**
5. **Mission Director, AMRUT - Member Secretary & Convenor**
6. **The Executive Director, Suchitwa Mission**
7. **Technical Member, Kerala Water Authority**
8. **Member Secretary, Kerala Pollution Control Board**
9. **Chief Town Planner (Planning)**
10. **Director (Liquid Waste Management), Suchitwa Mission**
11. **Chief Engineer (Administration), Public Works Department**
12. **Chief Engineer, Local Self Government Department**
13. **Chief Engineer, Irrigation Department**
14. **Chief Engineer (Electrical), Public Works Department**
15. **Representative from CWRDM**
16. **Representative from State Public Health Lab**

Agenda Item No.16: Approval of Restructuring proposal of SMMU & CMMUs for AMRUT 2.0.

In the 1st State High Powered Steering Committee meeting of AMRUT 2.0 held on 6th May 2022, Committee deliberated that since PDMC is being appointed in AMRUT-2.0, the SMMU & CMMUs may have to be restructured.

The Committee approved the continuation of SMMU & CMMUs for AMRUT-2.0 subject to the recommendation of the Additional Chief Secretary, LSGD.

The detailed proposals for strengthening SMMU and CMMUs and for new Remuneration commensurate with their experience, duties, and responsibilities were submitted to the ACS LSGD on 24.9.2022. Vide Govt. letter No.250/DC1/2022/LSGD dated 20.10.2020, it has been requested to submit the decision of the SHPSC regarding the continuation/restructuring of SMMU.

Based on the realignment Office Memorandum of MoHUA and Guidelines of AMRUT, State Mission Management Unit and City Mission Management Units were constituted (Order No. SRPMC/AMRUT/14/15 dated 25.08.2015) with required experts. AMRUT guidelines specify the constitution of the State Mission Management Unit (SMMU), City Mission Management Unit (CMMU) with a Mission Director and the recruitment of Project Development and Management Consultants for End –to- End support (planning, designing, support for implementation and closure procedures).

The recruitment of Project Development and Management Consultants (PDMC) for AMRUT 1.0 was unbundled based on the decision of the Government. The 1st phase of AMRUT is being implemented with the current Skelton staff structure of SMMU and CMMU without the support of PDMC.

The current Structure of the State Mission Management Unit comprises a Deputy Mission Director, Urban Infrastructure Expert, 2 Urban Planners, Environmental Engineer (Vacant), Municipal Finance Expert, Capacity Building & Institutional Strengthening Expert, and an IT cum Monitoring & Evaluation Expert.

Considering the wider mandate of AMRUT 2.0 to cover all the Urban Local Bodies of Kerala, additional posts of Deputy Mission Director (Water supply) and Deputy Mission Director (used water) are proposed. An additional post of Environmental Expert cum Hydro geologist is also proposed at SMMU. The existing posts of Urban Planner (2 Nos) and Urban Infrastructure Expert (1 No) may be re-designated as Urban Infrastructure cum Water Experts (UIWEs).

At present 9 CMMUs are manned by 1 Urban Planner and 1 Urban Infrastructure Expert (A total of 18 Nos.). AMRUT 2.0 will have Sewerage and Septage Sector for all 9 AMRUT 1.0 cities, while the Water Supply Sector and Water Body Rejuvenation Sector shall be covering all 93 ULBs. Hence, the current strength of 18 staff shall be modified in the revised structure and shall have 25 Urban Infrastructure cum Water Experts (UIWEs) if the proposal is approved.

The current salary package for the staff in SMMU and CMMU came into effect from the beginning of the Mission in 2015 based on the tool kit issued in 2013. As the salary is observed inadequate for qualified officials, the Director, MoHUA vide D.O letter No.14012/106/2016-AMRUT-1 dated 26th November 2021 informed that the SHPSC can decide about the Remuneration for officials based on the level of the city and prevailing wages/remuneration for similar work in the area. The salary of experts positioned in SMMU and CMMU is being met from the A&OE funds of AMRUT. The Ministry of Housing and Urban Affairs is providing 100% assistance for A&OE funds. The expenditure for the proposed staff structure with a hike in remuneration is forecasted in the A & OE plan and that is within the A& OE funds allotted for Kerala. An amount of Rs. 18.21 Cr. has been earmarked for the mission period (5 years) in the approved A&OE Plan.

Present & Proposed Staff Structure of AMRUT 2.0

Present Position		Present Remuneration	Proposed Position			Proposed Remuneration	Current	Proposed
SMMU	Deputy Mission Director	75000	Deputy (Water supply),	Mission Director	Deputy	1,00,000	1	2

			Mission Director (Used water)			
	Urban Infrastructure Expert	55000	Urban Infrastructure cum Water Expert	80,000	1	1
	Urban Planner	55000	Urban Infrastructure cum Water Expert	80,000	1	2
	Environmental Engineer	55000	Environmental Engineer		1	
			Environmental Expert cum Hydro Geologist	80,000		1
	Municipal Finance Expert	55000	Municipal Finance Expert	80,000	1	1
	Capacity Building & Institutional Strengthening Expert	55000	Capacity Building&Institutional Strengthening Expert	80,000	1	1
	IT cum Monitoring & Evaluation Expert	50000	IT cum Monitoring & Evaluation Expert	80,000	1	1
CMMU	Urban Infrastructure Expert	55000	Urban Infrastructure cum Water Expert	70,000	18	25
	Urban Planner	55000	Urban Infrastructure cum Water Expert	70,000		
TOTAL					25	34

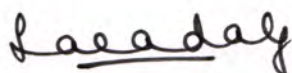
The majority of the incumbents positioned in SMMU and CMMUs are competent to implement the AMRUT 2.0 Mission professionally and hence they deserve consideration in the 2nd phase of the AMRUT 2.0 Mission as well. The incumbents have more than 15 years of experience with a strong background in project management and also have more than 6 years of experience in externally aided projects. They may be retained after a performance appraisal by a committee headed by the Principal Director (LSGD), Chief Engineer (LSGD), and Mission Director (AMRUT).

Decision Taken:


- ❖ **The Committee approved the continuation of SMMU & CMMUs for the 2nd phase of AMRUT-2.0.**
- ❖ **The Committee decided to retain the incumbents of SMMU and CMMUs after a performance appraisal by a committee headed by the Principal Director (LSGD), Chief Engineer (LSGD), and Mission Director (AMRUT).**
- ❖ **The Committee approved the re-designation of the existing posts of Urban Planner and Urban Infrastructure Expert as Urban Infrastructure cum Water Experts (UIWEs).**
- ❖ **The Committee approved the Proposed Staff Structure and Remuneration of the State Mission Management Unit and City Management Units as follows;**


- ❖ The salary of experts shall be met from the A&OE funds of AMRUT. (100% Central assistance)

Position	Present	Proposed Position	Proposed Remuneration	Current Staffs	Proposed Staffs
SMMU	Deputy Mission Director	Deputy Mission Director (Water supply), Deputy Mission Director (Used Water)	1,00,000	1	2
	Urban Infrastructure Expert	Urban Infrastructure cum Water Expert	80,000	1	1
	Urban Planner	Urban Infrastructure cum Water Expert	80,000	1	2
	Environmental Engineer	-		1	NIL
	-	Environmental Expert cum Hydro Geologist	80,000	NIL	1
	Municipal Finance Expert	Municipal Finance Expert	80,000	1	1
	Capacity Building & Institutional Strengthening Expert	Capacity Building & Institutional Strengthening Expert	80,000	1	1
	IT cum Monitoring & Evaluation Expert	IT cum Monitoring & Evaluation Expert	80,000	1	1
CMMU	Urban Infrastructure Expert	Urban Infrastructure cum Water Expert	70,000	18	25
	Urban Planner	Urban Infrastructure cum Water Expert	70,000		
		TOTAL		25	34



Additional Chief Secretary, LSGD


Mission Director


Chief Secretary, GoK
(Chairman, SHPSC)

**31st SHPSC of AMRUT-1.0 & 3rd SHPSC of AMRUT-2.0
HELD ON 27.10.2022**

List of Participants

- Sri.V.P.Joy IAS, Chief Secretary, Government of Kerala
- Dr. Beena Philip, Hon'ble Mayor, Kozhikode Corporation
- Sri. E Krishnadas, Vice Chairman, Palakkad Municipality
- Sri. Biswanath Sinha IAS, Additional Chief Secretary, Finance Department/ Planning & Economic Affairs Department
- Smt. Sarada Muraleedharan, Additional Chief Secretary, LSG Department
- Dr. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department
- Sri. Venkateshpathi S IAS, Managing Director, Kerala Water Authority
- Sri. Arun K. Vijayan IAS, Mission Director, AMRUT
- Sri. Mohan Das, Special Secretary, Public Works Department
- Sri. Santhosh, Additional Secretary, Water Resource Department
- Smt. Geetha Gopinath, Under Secretary, Environment Department
- Sri. Naushad A, The Deputy Chief Engineer-2, PIU, KWA
- Sri. Johnson, Chief Engineer, LSG Department.
- Sri. Prasanth H, Senior Town Planner, (Chief Town Planner (Planning i/c))
- Sri. Jahangeer, Programme Officer, Kudumbasree
- Sri. Binu Francis, Secretary, Thiruvananthapuram Corporation
- Sri. Sajeev.P.K., Secretary, Kollam Corporation
- Sri. Neethu Lal B, Secretary, Alappuzha Municipality
- Sri. Naisam.A.S., Secretary, Kochi Corporation
- Sri. R. Rahesh Kumar, Secretary, Thrissur Corporation
- Sri. Beena.S.Kumar, Secretary, Guruvayur Municipality
- Smt. Bini K U, Secretary, Kozhikode Corporation
- Sri. Vinu.C. Kujappan, Secretary, Kannur Corporation
- Smt. Prema.P, Secretary (i/c), Palakkad Municipality
- Smt. Resmi.P.S. LWM Expert, Suchitwa Mission
- Smt. Shaibi George, Superintending Engineer, Thrissur Corporation
- Sri.Surendran E N, Executive Engineer, Water Supply Division, KWA