

AMRUT 2.0
7th STATE LEVEL TECHNICAL COMMITTEE (SLTC)

AGENDA NOTE



Date: 16.02.2023 at 03:30 PM

VENUE: MEETING THROUGH VIDEO CONFERENCING



Local Self Government Department, Government of Kerala

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Agenda item No.1: APPROVAL OF MINUTES OF THE 6th MEETING OF SLTC

The minutes of the 6th SLTC meeting of AMRUT 2.0 held on 20th & 24th of December 2022 and the 4th SHPSC held on 23rd January 2023 are enclosed as Annexures – 1 & 2.

Decision to be Taken:

The Committee may take note of the minutes and approve the Minutes of the 6th SLTC and 4th SHPSC of AMRUT 2.0.

Agenda Item No.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 6th SLTC and 4th SHPSC

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
Agenda No. 2.1: Sewerage & Septage Sector – Implementation of Faecal Sludge Treatment Plant Projects – Engagement of Accredited Agencies for Preliminary Report Preparation	The Committee directed to expedite the process of issuance of the GO.		The Govt. Order was issued vide G.O.(Rt) No.3221/ 2022/ LSGD dated 27.12.2022.
Agenda No. 2.2: Approval for Procurement of Smart Application and Vehicles for the Collection of Septage in AMRUT Cities for Managing Septage Collection Activities:	The Committee directed to expedite the process of issuance of the GO.		The Govt. Order was issued vide G.O.(Rt)No.3213/2022/ LSGD dated 27.12.2022. The development of an app for this purpose has been taken up by the Suchitwa Mission. Secretary, Trivandrum Corporation submitted a detailed report on the fee system for septage desludging.
Agenda No.2.3: Approval of Restructuring proposal of SMMU & CMMUs for AMRUT 2.0.	The Committee directed to expedite the process of issuance of the GO.		The Govt. Order was issued vide G.O.(Ms)No.11/2023/L SGD dated 13.01.2023
Agenda Item No.3: Progress of AMRUT 2.0	<ul style="list-style-type: none"> ❖ The Mission Director AMRUT presented the Status of proposed SEW/septage projects under AMRUT 2.0. The SLTC reviewed the land availability for the STPs in each city. The Chair also wanted ULBs to find out at least 50 cents of land for developing FSTPs in the urban-rural periphery. The Mission Director agreed to finalize the action plan within a week. ❖ Further, the chair stated that one of the NGT observations either Trivandrum or Kochi is to be taken up and completed 	<ul style="list-style-type: none"> ❖ The Chair directed the Managing Director of KWA to take all efforts and award all the approved projects during the forthcoming months. ❖ The Committee accorded sanction to engage CDD for conducting the feasibility study in Kollam Corporation, Palakkad, and Guruvayur Municipalities at no cost (only accommodation & vehicle for site visits to be provided) since IRTC has not made any progress in the above matter. ❖ The Committee decided that 	<ul style="list-style-type: none"> ❖ Progress of AMRUT 2.0 is included as an Agenda. ❖ CDD has started the site visits. ❖ A meeting was held on 03.02.2023 with the ULB officials and empanelled agencies by the Mission Director and directions were given to expedite the process of developing DPRs for Micro Scheme WS projects..

<i>Agenda Item</i>	<i>6th SLTC Decisions</i>	<i>4th SHPSC Decision</i>	<i>Action Taken</i>
	<p>by way of best practices in liquid waste management. The MD KWA and the Director of Urban affairs were directed to finalize the action plan for complete coverage in liquid waste management. MD KWA assured that by March 2023, project proposals can be developed for complete coverage in TVM city.</p>	<p>Consultants/ Empanelled Agencies at the State level be selected to avoid huge delays in developing Water supply/ Micro WS projects that are being directly implemented by ULBs.</p>	
<p>Agenda Item No.4: Operation & Maintenance (O&M) cost of STP/FSTP Projects.</p>	<p>After discussions, the Committee directed KWA, TVM ULB & AMRUT to prepare 2 or 3 business models for long-term O&M sustainability for all the cities based on the financial situations of cities, prevailing Tariff, and user-cost recovery (financial) strategy.</p>		<p>The TVM Corporation Secretary has provided a detailed report on the current strategy and fee structure being adopted by TVM ULB. A meeting with the KWA and AMRUT team was held on 31.12.2022. Business models were sought from KWA based on this.</p>
<p>Agenda Item No.5: Cancellation of Water Supply Projects in the 1st Tanche of SWAP</p>	<ul style="list-style-type: none"> ❖ The Committee expressed displeasure over the cancellation of projects at the conception stage itself. The Committee directed all to ensure proper groundwork before submitting project proposals. ❖ MD KWA mentioned that the subject work in Thrissur cannot be completed within the time frame of AMRUT 1.0. Hence, the Committee decided not to cancel the project and to take up the project in phase 2 of AMRUT itself. ❖ The Committee approved the cancellation of two Micro Water supply schemes in Kothamangalam Municipality Namely- 1) Ward-11- Valiyapara Colony Drinking Water Project for Rs. 1.2 Cr. and 2) Ward-18: Kollikkad Drinking Water Project for Rs. 1.155 Cr. and approved the replacement project - UWSS to Kothamangalam – Providing FHTCs to Urban Households in Kothamangalam Municipality for Rs.2.451 Cr. 	<p><u>Thrissur Corporation:</u></p> <ul style="list-style-type: none"> ➢ Based on the confirmation of the Hon'ble Mayor, Thrissur Corporation, that ULB will complete the project under AMRUT 1.0 in its time frame, the Committee decided to cancel the below said water supply project in Thrissur under AMRUT 2.0 and to take up under AMRUT Phase-1- ❖ <i>AMRUT-2.0 - Thrissur Corporation-Supply and Laying of 800 mm DI K9 Pipeline (Additional CWGM - 18.70 km) from Peechi WTP to GLSRs at Thekkinkadu-Pipeline Work for CAPEX Rs. 58 Cr.</i> <p><u>Kothamangalam Municipality</u></p> <ul style="list-style-type: none"> ➢ The Committee approved <ul style="list-style-type: none"> ❖ <i>the cancellation of two Micro Water supply schemes Namely- 1) Ward-11- Valiyapara Colony Drinking Water Project for Rs. 1.2 Cr. and 2) Ward-18: Kollikkad Drinking Water Project for Rs.</i> 	<ul style="list-style-type: none"> ❖ The TS Committee meeting for the WS work of Thrissur Corporation was held on 10.02.2023.

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
	<ul style="list-style-type: none"> ❖ The Committee noted that the approved project of Karunagappally needs cancellation as the same was submitted without any proper groundwork by the officials. The technical Member KWA and Deputy Chief Engineer (works) submitted before the meeting that the new project is developed after a detailed study and also confirmed that the substituted project is technically viable. ❖ Based on the confirmation of KWA, the Committee approved the cancellation of the water supply project in Karunagappally Municipality – Providing FHTC to households in Karunagappally Municipality for CAPEX Rs. 13.614 Cr. & approved the replacement project - Supplying & Laying 500 mm DI K9 Clear Water Pumping Main – 7500 m from Kolathumukku in Panmana Panchayat to Thachayilmukku in Karunagappally Municipality for Rs. 14.964 Cr. 	<ul style="list-style-type: none"> 1.155 Cr. & , ❖ the replacement project - UWSS to Kothamangalam – Providing FHTCs to Urban Households in Kothamangalam Municipality for Rs.2.451 Cr. ➢ The Committee expressed displeasure over the officials of ULB, who proposed non-viable projects without doing the proper groundwork. The committee directed the Mission Director to seek an explanation from the responsible officers. <p><u>Karunagappally Municipality</u></p>	
Agenda Item No.6: Administrative Sanction of 75 Water Supply Projects Approved under 1 st	<ul style="list-style-type: none"> ❖ The Committee reviewed all the projects proposed by the ULBs and noted that the cost per household varies from Rs. 	<ul style="list-style-type: none"> ❖ The Committee accorded Administrative sanction to 74 projects amounting to Rs.659.763 Cr. (CAPEX - 	The Request letter for issuing AS was sent on 14.02.2023.

<i>Agenda Item</i>	<i>6th SLTC Decisions</i>	<i>4th SHPSC Decision</i>	<i>Action Taken</i>
Tranche of SWAP	<p>4000/- to Rs. 48,000/-. Hence KWA and AMRUT were directed to re-examine the estimates with the cost per household of more than 40,000/- and to explore alternative options like micro tunneling for the projects with higher road restoration charges as well.</p> <ul style="list-style-type: none"> ❖ The Committee decided to submit the proposals of the 75 projects amounting to Rs.774.092 Cr. (CAPEX - Rs.741.031 Cr. & OPEX - Rs.33.061 Cr.) for Administrative sanction to the SHPSC after joint scrutiny by KWA and SMMU. ❖ KWA shall ensure technical viability, adequate source of water, justified provisions & rates, and necessary clearances, and only admissible components are included as per AMRUT guidelines before issuing the technical sanction. ❖ KWA shall ensure that Operation & Maintenance costs, Supervision charges, and Value of land/ structures required for the project development should not be booked under Central Assistance. If the said components are inevitable, the cost for the same may be met from the State/ ULB/KWA fund. 	<p>Rs. 629.701 Cr. & OPEX – Rs.30.061 Cr.)</p> <ul style="list-style-type: none"> ❖ The Committee decided to include the Name and designation of the Responsible officer of KWA and the completion date in the Government order while issuing the AS. Action should be taken against the officer if the timelines are not complied with. ❖ MD, KWA was asked to take serious efforts to commence all the approved works at the earliest and ensure good progress to achieve the target set forth. ❖ The Committee also directed MD KWA to ensure the completion of pipe-laying works and road restoration in a time-bound manner to avoid any inconvenience to the public. ❖ KWA shall ensure technical viability, adequate source of water, justified provisions & rates, necessary clearances, 5-year Operation & Maintenance, and only admissible components are included as per AMRUT guidelines before issuing the technical sanction. ❖ KWA shall ensure that Operations & Maintenance costs and Value of land/ structures required for the project development should not be booked under Central Assistance of AMRUT 2.0. If the said components are inevitable, the cost for the same may be met from other sources. 	
Agenda Item No.7: Administrative Sanction of Sewerage Projects Approved under 1 st Tranche of SWAP	<ul style="list-style-type: none"> ❖ The Committee noted that the cost per household for three sewerage projects goes more than 1.2 lakhs. KWA clarified that deep rock excavation in narrow roads and shoring for full depth would be required 	<ul style="list-style-type: none"> ❖ The Committee accorded administrative sanction to 23 Sewerage projects proposed in Thiruvananthapuram ULB amounting to Rs. 109.86Cr. (CAPEX – Rs 104.63 Cr. & 	The Request letter for issuing AS was sent on 14.02.2023.

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
	<p>in these areas, hence the higher cost.</p> <ul style="list-style-type: none"> ❖ The Committee reviewed 23 Sewerage projects amounting to Rs. 109.86Cr. (CAPEX – Rs 104.63 Cr. & OPEX- Rs. 5.23 Cr.) proposed in Thiruvananthapuram and recommended for Administrative sanction to the SHPSC. ❖ KWA shall ensure technical viability, adequate source of water, justified provisions & rates, and necessary clearances, and only admissible components are included as per AMRUT guidelines before issuing the technical sanction. ❖ KWA shall ensure that Operations & Maintenance costs, Supervision charges, and Value of land/ structures required for the project development should not be booked under Central Assistance. If the said components are inevitable, the cost for the same may be met from the State/ ULB/KWA fund. ❖ The Operation & Maintenance costs for the sewerage networks and Pumping stations shall be borne by the KWA. 	<p>OPEX- Rs. 5.23 Cr.).</p> <ul style="list-style-type: none"> ❖ The Committee decided to include the Name and designation of the Responsible officer of KWA and the completion date in the Government order while issuing the AS. Action should be taken against the officer if the timelines are not complied with. ❖ MD, KWA was asked to take serious efforts to commence all the approved works at the earliest and ensure good progress to achieve the target set forth. ❖ The Committee directed MD KWA to ensure the completion of pipe-laying works and road restoration in a time-bound manner to avoid any inconvenience to the public. ❖ KWA shall ensure technical viability, justified provisions & rates, necessary clearances, 5-year Operation & Maintenance, and only admissible components are included as per AMRUT guidelines before issuing the technical sanction. ❖ KWA shall ensure that the non-inclusion of Operation & Maintenance costs and Value of land/ structures required for the project development under Central Assistance AMRUT 2.0. If the said components are inevitable, the cost for the same may be met from the other sources. ❖ The Operation & Maintenance costs for the sewerage networks and Pumping stations shall be borne by the KWA. 	

Agenda Item	6th SLTC Decisions	4th SHPSC Decision	Action Taken
Agenda Item No.8: Approval of State Action Plan under the Sub Scheme of Formulation of GIS Based Master Plan of Class-II Towns under AMRUT 2.0	<ul style="list-style-type: none"> ❖ The Chief Town Planner briefly explained the State Action plan of the sub-scheme of 'Formulation of GIS-based Master Plans for Class II towns under AMRUT 2.0'. ❖ The SLTC reviews the State Action Plan under the sub-scheme of 'Formulation of GIS-based Master Plans for Class II towns under AMRUT 2.0' and recommended the same to the SHPSC for approval. 	<ul style="list-style-type: none"> ❖ The Committee approved the SAP of the sub-scheme with modifications to the effect that the date of conveying the area of mapping to TCPO/ NRSC/ Sol will be 31st January 2022 and the date of constituting CERC will be 28th February 2022 and decided to recommend to GoI for release of the first instalment of funds. ❖ The Committee directed the Chief Town Planner to ensure the implementation of the same in the ULBs and also to submit a proposal to the Government. 	CTP has submitted the SAP in the online portal developed by Ministry of Housing and Urban Affairs, GoI along with necessary documents/ enclosures on 13.02.2023.
Agenda Item No.9: Providing Support of State Nodal Agency under AMRUT 2.0	The Committee directed the Mission director AMRUT to work out the financial outlay for the proposed new office space of the State Mission Management Unit (SMMU) and to submit it before the next Committee after evaluating the same by the Chief Engineer LSGD.		The CE, LSGD's evaluation report is awaited.
Agenda Item No.10: Opening of Separate Bank Account for SNA & Implementing Agencies under the Scheme	<p>The SLTC decided to approve the opening of the bank accounts in the Indian Bank where the current SNA account of AMRUT is operational, after working out the modalities with the State PFMS as follows;</p> <ul style="list-style-type: none"> ❖ Separate Savings bank account & current bank account(holding account) for the Single Nodal Agency [Director AMRUT Mission], ❖ Separate Zero balance subsidiary savings bank accounts & current bank accounts(holding account) for the State Nodal Agency in the name of Nodal Officer [Chief Town Planner (Planning)] and for Implementing Agencies (District Offices of LSGD(Planning) concerned to the cities selected for the scheme by Government of India based on the Approved State Action Plan) 	<ul style="list-style-type: none"> ❖ The SHPSC decided to approve the opening of the bank accounts in the Indian Bank where the current SNA account of AMRUT is operational, after working out the modalities with the State PFMS as follows; ❖ Separate Savings bank account & current bank account (holding account) for the Single Nodal Agency [Mission Director AMRUT 2.0- GIS based master plan], ❖ Separate Zero balance subsidiary savings bank accounts & current bank accounts(holding account) for the State Nodal Agency in the name of Nodal Officer [Chief Town Planner (Planning)] and for Implementing Agencies (District Offices of LSGD(Planning) concerned to the cities selected for the scheme 	Request to be given to LSGD for the Govt. Order in this regard.

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
<u>Agenda Item No.11: Constitution of Consultancy Evaluation & Review Committee (CERC) for Monitoring GIS-Based Master Plan</u>	<p>The SLTC approved the constitution of the CERC with the following members and recommended the same to the SHPSC;</p> <ol style="list-style-type: none"> 1. The Principal Secretary, LSGD - Chairman 2. Mission Director, AMRUTState Mission Directorate- Co-Chairman 3. Chief Town Planner (Planning)- Member &Convener 4. Director of Urban Affairs - Member 5. Representative of Disaster Management Authority - Member 6. Representative of Director Survey & Land Records- Member 7. Executive Director, IKM- Member 8. Representative of MoHUA/ TCPO -Member 9. Chief Engineer, LSGD- Member 10. Senior Town Planner / Town Planner of District concerned- Member 11. Secretary of AMRUT Town concerned -Special Invitee 12. Municipal Engineer of AMRUT Town concerned - Special Invitee 	<p>The SHPSC approved the constitution of the CERC with the following members suggested by the SLTC.</p> <ol style="list-style-type: none"> 1. The Principal Secretary, LSGD - Chairman 2. Mission Director, AMRUTState Mission Directorate- Co-Chairman 3. Chief Town Planner (Planning)- Member &Convener 4. Director of Urban Affairs - Member 5. Representative of Disaster Management Authority - Member 6. Representative of Director Survey & Land Records- Member 7. Executive Director, IKM- Member 8. Representative of MoHUA/ TCPO -Member 9. Chief Engineer, LSGD- Member 10. Senior Town Planner / Town Planner of District concerned- Member 11. Secretary of AMRUT Town concerned -Special Invitee 12. Municipal Engineer of AMRUT Town concerned - Special Invitee 	<p>Request to be given to LSGD for the Govt. Order for constitution of the CERC.</p>
<u>Agenda Item No.12: AMRUT 2.0-TOOL KIT for URBAN REFORMS.</u>	<p>The SLTC deliberated on the reform activities to be implemented under AMRUT 2.0. and directed AMRUT to prepare the Road map for implementing the same within the stipulated time frame.</p>	<ul style="list-style-type: none"> ❖ The SHPSC reviewed the Mandatory Reforms and incentive-based reforms to be implemented under AMRUT 2.0. MD KWA was directed to take necessary steps to reduce the Non-Revenue Water to below 20%. ❖ The Committee directed the Mission Director to prepare an action plan and to ensure monthly review of the same under the Chairmanship of Principal Secretary, LSGD. 	<p>Action plan is being prepared.</p>
<u>Agenda Item No.13: Proposal for the IEC CAMPAIGN among School Students - 'JALAM JEEVITHAM' a</u>	<p>The SLTC reviewed the proposal 'Jalam Jeevitham' and decided to request the Director of Education Department to present the detailed proposal before the</p>	<ul style="list-style-type: none"> ❖ Project Officer NSS, Education Department informed that 'Jalam Jeevitham' – a Campus-to- 	<p>Request to be given to LSGD for the Govt. Order in this regard.</p>

<i>Agenda Item</i>	<i>6th SLTC Decisions</i>	<i>4th SHPSC Decision</i>	<i>Action Taken</i>
Campus-to-Campus Campaign on Sanitation and Protection of Water Resources	SHPSC.	<p>Campus Campaign on the Protection and Sanitation of Water Resources will cover 372 selected schools (4 schools from each ULB) in the 93 Urban Local Bodies.</p> <ul style="list-style-type: none"> ❖ The Committee approved the proposal by the Education department for 'JalamJeevitham' – a Campus-to-Campus Campaign for an estimated cost of Rs. 39,22,800/- and directed the Education department to ensure that the campaign should benefit the students and spread awareness to the Public. 	
Agenda Item No.14: Request to take up the Project Sewerage System to Kozhikode Corporation – Zone B1- Part 1 under DBOT Directly by ULB.	The Committee noted that ULB could not progress STPs in Avikkalathodu and Kothi under AMRUT 1.0. Hence it was decided to discuss and finalize the matter in the upcoming SHPSC.	<ul style="list-style-type: none"> ❖ MD, KWA assured that KWA will not demand centage charges or supervision charges from the ULB for AMRUT projects. ❖ The Committee observed that the works of STPs in Avikkalathodu and Kothi under AMRUT 1.0. being undertaken by ULB could not be proceeded due to public protest and the Committee also expressed displeasure over ULB for not addressing the issues on time. ❖ Considering the insignificant progress of ongoing Sewerage projects and also since the proposed STP is to be constructed on KWA's land, the Committee decided to entrust Kerala Water Authority to execute the work of the Sewerage System to Kozhikode Corporation -Zone B1- Part 1 for Rs. 160 Cr. Secretary, Kozhikode Corporation was directed to place the matter in the Corporation Council for consent. 	The Core Committee held on 20.01.2023 decided to implement the sewerage project through KWA. The matter is to be placed in the Council for approval.

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
Agenda Item No.15: Selection of PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC) – Approval of Technical Bid Evaluation Report	<ul style="list-style-type: none"> ❖ The Committee noted that the NGO associated with the bidder M/s. WAPCOS Limited has not secured any marks in the Technical Evaluation. Hence the Committee suggested re-examining the eligibility of the NGO if M/s. WAPCOS Limited is the lowest evaluated bidder. ❖ The Committee approved the Technical Evaluation report of PDMC and sanction was given for the opening and evaluation of the financial bid of four eligible bidders. 	The Committee after a detailed discussion agreed with the suggestions made and suggested to take a relook of the decision for appointing a Project Development and Management Consultant (PDMC) for AMRUT 2.0 since a substantial quantum of work has been completed and also considering the high quotes of the bidders.	Agenda included in this committee.
Agenda Item No.16: Request to hire additional space for SMMU, AMRUT	The Committee directed the Mission director AMRUT to work out the financial outlay for the proposed new office space of the State Mission Management Unit (SMMU) and to submit it before the next Committee after evaluating the same by the Chief Engineer LSGD.		The CE, LSGD's evaluation report is awaited.
Additional Agenda Item No.01: Request of Hon' Mayor Kozhikode; <ol style="list-style-type: none"> 1) to drop two ongoing Sewerage projects of AMRUT 1.0 and take them up in AMRUT 2.0:& 2) permission to have the approved AMRUT 2.0 		<ul style="list-style-type: none"> ❖ The SHPSC decided to take up the two ongoing sewerage projects of AMRUT 1.0 namely 1) Sewerage system in Zone A - Package A (7MLD Sewage Treatment Plant at Avikkalthodu with 48km network) costs Rs. 71.57 Cr.) and 2) Sewerage system in Zone A - Package B (6MLD Sewage Treatment Plant at Kothi with 50km network) costs Rs.68.43 Cr. in AMRUT 2.0 ❖ Based on the confirmation of the Hon'ble Mayor, Kozhikode Corporation that KWA can complete at least 30% of the work under AMRUT 1.0 in its time frame, the SHPSC decided to cancel the water supply scheme project' Priority 1- WSS for Kozhikode corporation- Augmentation of 174 MLD WTP at Peruvannamuzhi to 210 MLD and associated works 	Request to be given to LSGD for the Govt. Order in this regard.

Agenda Item	6 th SLTC Decisions	4 th SHPSC Decision	Action Taken
		approved under SWAP-1 for Rs.111.33Cr" under AMRUT 2.0 and to take up under AMRUT 1.0.	

Agenda Item No.3: PROGRESS OF AMRUT 2.0

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) for an amount of Rs.1938.52 Cr. (CAPEX - Rs.1842.658 Cr. & OPEX - Rs.95.86 Cr.). The 6th Apex committee held on 04.01.2023 approved 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).

Out of the 222 projects (Rs. 1842.658 Cr.) approved in the 1st tranche, AS was approved for 77 projects (Rs. 588.62 Cr.) in the 3rd SHPSC AS was approved for 74 WS projects (Rs. 629.701 Cr. - CAPEX) and 23 SEW projects (Rs 104.63 Cr.) in the 4th SHPSC.

A proposal of 10 WS projects for Rs.119.585 Cr., 1 SEW project for Rs.45.436 Cr. and 82 Water Body Rejuvenation projects for Rs.18.259 Cr. are placed in this SLTC for Administrative sanction.

PROJECT PROGRESS

Sector	Total out lay	SWAP-1		SWAP-2		Total SWAP submitted		SWAP-3	DPR prepared-Tranche (1 & 2)		AS accorded	CAPEX cost (Cr.)
		No of projects	SWAP Amount (CAPEX -Cr.)	No of projects	SWAP Amount (CAPEX- Cr.)	No of projects	SWAP Amount (CAPEX- Cr.)		No. of projects	CAPEX cost (Cr.)		
Water supply (Including floating in of 100 Cr.)	1813.400											
Floating Incentive Fund from SEW (Cr.) for AMRUT cities	636.160	199	1738.02	10	171.388	209	1909.408	540.152	161	1330.117	151	1218.321
Sewerage & Septage	902.160	23	104.63	3	385	26	489.63	412.530	24	143.674	23	104.632
Rejuvenation of Water bodies and development of green spaces and parks projects.	143.340	0	0	255	76.27	255	76.27	78.55	82	17.124	0	0
TOTAL	3495.060	222	1842.650	268	632.658	490	2475.308	1030.690	267	1490.915	174	1322.953

DPR Preparation Status of SWAP- Tranche -1&2

City Name	Water Supply		Sewerage/ Septage Management		Micro Water Supply		Water Body Rejuvenation		City Wise Total	
	Total	Prepared	Total	Prepared	Total	Prepared	Total	Prepared	Total	Prepared
AMRUT1.0 Cities										
Trivandrum	34	33	23	23			0	0	57	56
Kollam	10	10	1	1			20	19	31	30
Alappuzha	4	4	0	0			6	0	10	4
Kochi	26	23	0	0			0	0	26	23
Thrissur	7	2	0	0			8	0	15	2
Guruvayoor	1	0	0	0			1	1	2	1
Palakkad	1	1	0	0			12	0	13	1
Kozhikode	3	2	0	0			7	7	10	9
Kannur	1	0	0	0			4	0	5	0
AMRUT 2.0 Towns	92	85	0	0	29	1	197	55	318	141
Total	179	160	24	24	29	1	255	82	487	267

The Way Forward - Sewerage & Septage Projects in 9 AMRUT Cities

Thiruvananthapuram, Kollam, Kochi and Kozhikode submitted sewerage & septage project proposals amounting to Rs.489.63 Cr. and the same have been approved by MoHUA (Thiruvananthapuram – SWAP-I, Kollam, Kochi & Kozhikode – SWAP-2). The 4th SHPSC of AMRUT-2.0 held on 23.01.2023 approved the issuance of AS for the sewerage projects of Thiruvananthapuram. The sewerage project proposed in Kollam has been placed in this SLTC for approval of AS. The DPRs for the projects of Kochi and Kozhikode are being modified by KWA. The 32nd SHPSC of AMRUT 1.0 held on 23.01.2023 approved the taking up of the sewerage project of Kozhikode Corporation proposed in AMRUT-1.0 namely, “Decentralized sewage treatment plant and associated sewerage network for Zone-A (Package-A: 7 MLD STP at Avikkalthodu & 48 Km sewer network & Package-B: 6 MLD STP at Kothi & 50 Km sewer network), under AMRUT-2.0. The status of the remaining AMRUT cities is as follows:

Status of Septage Treatment Plants:

The CDD India had been entrusted to explore the need and feasibility for Faecal Sludge Management in AMRUT cities. The CDD made a rapid assessment of the existing sanitation situation in Thiruvananthapuram, Kochi, Thrissur, Kozhikode, Kannur Corporations, and Alapuzha Municipality and assessed the need for FSM. Pre-feasibility reports for the cities have been provided by the CDD and transmitted to the respective ULBs. Projects are in the conception stage.

The Palakkad Municipality has a plan to take up the 100 KLD Septage Treatment Plant proposed at Yakkara, under AMRUT 1.0, in AMRUT 2.0.

The 4th SHPSC of AMRUT 2.0 held on 23.01.2023 accorded sanction to engage CDD for conducting the feasibility study for Faecal Sludge Management in Kollam Corporation, Palakkad, and Guruvayur

Municipalities (at no cost, only accommodation & vehicle for site visits to be provided) since IRTC has not made any progress in this regard. CDD has started the site visits for this purpose.

Moreover, facility for co-treatment of septage is included in the STP proposals that are submitted/ being prepared by KWA under AMRUT-2.0.

Status of Sewage Treatment Plant:

Alappuzha:

Council approved the proposal for constructing 5 MLD STP (0.46 MLD septage co-treatment) in Allissery along with the associated sewer network of 10 Km (covering 2 wards). The DPR is being corrected by KWA.

Thrissur:

The DPR of the proposal for constructing a 5 MLD STP (0.5 MLD septage co-treatment) at Kottappuram along with the associated sewer network of 11 Km (covering 7 divisions partially) is to be submitted by KWA to the ULB.

The ULB's request to take up the project, Decentralized Sewerage Scheme (2.5 MLD STP at Kokkala & 27 Km network) for Thrissur Corporation (Rs.64.2 Cr.) proposed under AMRUT 1.0, under AMRUT 2.0 was approved by the 4th SHPSC of AMRUT 2.0 and 32nd SHPSC of AMRUT 1.0.

Kannur:

The approval of the Council is to be obtained for the proposal of KWA for constructing a 3 MLD STP (0.13 MLD septage co-treatment) at Maithanappally along with the associated sewer network of 36 Km (covering 2 divisions fully & 3 divisions partially).

Palakkad:

The proposal for constructing a 600 KLD STP at Kalpathy along with the associated sewer network of 4 Km (for Kalpathy Heritage Village) is to be finalized by the ULB. The land availability for the project is also to be confirmed by the ULB.

Guruvayur:

The approval of the Council is to be obtained for the proposal of KWA for augmenting the existing 3 MLD STP at Chakkamkandam to 5 MLD (0.7 MLD septage co-treatment) along with the associated network of 7 Km.

Decision to be Taken:

The Committee may take note of the progress of AMRUT 2.0.

Agenda Item No.4: ADMINISTRATIVE SANCTION FOR 10 WATER SUPPLY PROJECTS APPROVED UNDER 1ST AND 2ND TRANCHES OF SWAP:

The 4th Apex committee meeting approved the 1st Tranche of the State Water Action Plan (SWAP-1) for an amount of Rs.1938.52 Cr. (CAPEX - Rs.1842.658 Cr. & OPEX - Rs.95.86 Cr.). The 6th Apex

committee held on 04.01.2023 approved 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).

As of now, detailed project reports for 161/209 Water Supply projects were received from various ULBs under tranches-1 & 2. The administrative sanction for 77 WS projects amounting to Rs.616.829 Cr. (CAPEX - Rs.588.616 Cr. & OPEX - Rs.28.213 Cr.) was accorded by the 3rd SHPSC and a Government order was also issued for the same. The proposals of 74 WS projects for Rs. 629.701 Cr. (CAPEX) were also approved by the 4th SHPSC.

It is requested to issue the AS for 10 projects amounting to Rs.119.58 Cr. (CAPEX - Rs111.8 Cr. & OPEX – Rs.7.7845 Cr.).

SI No.	ULB	Name	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost	
1	Kottarakkara SWAPI Capex (Cr.) 2.00 O&M(Cr.) 0.02 Total cost 2.02	AMRUT 2.0 -SWAP-1-- WSS To Kottarakkara Municipality - Construction Of 9 LL Capacity At Eyamkunnu	2	0.0200	2.0200	1) Construction of 9 LL OHSR 2) Existing Connection benefitted -1400 3). Construction of valve chamber
2	MALAPPURAM SWAPI Capex (Cr.) 7.607 O&M(Cr.) 0.90 Total cost 8.507	AMRUT 2.0-SWAP-1- Improvements in MWSS to Malappuram Municipality-(Phase.I)-Construction of 7.50MLD Water Treatment Plant & 4.50LL-OHSR for Panakkad & Melmuri(Part) Villages	7.6	0.9007	8.5007	1) Construction of OH tank 4.5 LL at WTP Site near Inkel City 2) 7.5 MLD WTP -Rapid Gravity Sand Filter (Dual Media) Nr Inkel City 3) Existing connections served in-1644
3	KODUVALLY SWAP 2 Capex (Cr.) 14.38 O&M(Cr.) 0.8337 Total cost 15.2137 Cr	AMRUT-2.0-SWAP-2- WSS TO KODUVALLY MUNICIPALITY IN KOZHIKODE DISTRICT: - PROVIDING FUNCTIONAL HOUSEHOLD TAP CONNECTION	14.38	0.8338	15.2138	1) New FHTC=3000 2) Exting connections served in -1253 3) Transmition line - 3.5 KM (Taping point to Kandalamala sump) 4).Rider line - 3.5 KM (Taping point to Kandalamala sump) 5)Gravity line - 3.0 KM (Kandalamala sump to Kalaranthiri area) 6) Distribution line -10 km 7) Construction of 10LL GLSR 8)Road Restoration Charges- 2.84Cr
4	Kodungalloor SWAP 2 Capex (Cr.) 14.184 O&M(Cr.) 1.40 Total cost 15.584 Cr	AMRUT 2.0- SWAP-2- KMWSS to Kodungallur Municipality- Providing FHTC to Urban Householders including Source Improvement works and Pipe Laying Work	14.77	1.0300	15.8000	1) New FHTC-4000 Nos. 2) Replacement of old AC pipe at various wards-18 KM 3) Road restoration charges-3.34 Cr.

Sl No.	ULB	Name	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost	
5	Chavakkadu <i>SWAP 1</i> <i>Capex (Cr.) 11.071</i> <i>O&M(Cr.) 1</i> <i>Total cost 12.071Cr</i>	AMRUT 2.0- SWAP-1- Chavakkad Municipality- Supplying & laying of distribution network and providing FHTCs	10.89	1.1800	12.0700	1) New FHTCs- 5000 Nos. 2) New Distribution network 3) 3) Road restoration charges- 2.07 Cr.
6	Kattappana <i>SWAP 2</i> <i>Capex (Cr.) 14.4</i> <i>O&M(Cr.) 2</i> <i>Total cost 16.4Cr</i>	AMRUT 2.0- SWAP- 2- UWSS TO KATTAPPANA MUNICIPALITY - PROVIDING FUNCTIONAL HOUSEHOLD TAP CONNECTIONS TO HOUSEHOLDS	13.39	2.0000	15.3900	1) Pipe line extension, replace and repair of the distribution pipe lines- 24.07KM 2) New FHTCs -3270 3) Exting connections served in -287 4) Road restoration charges-1.93 Cr.
7	Kunnamkulam <i>SWAP 1</i> <i>Capex (Cr.) 14.565</i> <i>O&M(Cr.) 1.50</i> <i>Total cost 16.065Cr</i>	AMRUT 2.0- SWAP-1- Providing Storage, Distribution Network, Transmission network, other allied works including FHTCs in Kunnamkulam Municipality	14.565	0.1500	14.7150	1) Construction of 10 LL OHSR at Kurukkanpara. 2)Providing distribution network 3)New FHTCs- 3100 Nos.
8	Ponnani <i>SWAP 2</i> <i>Capex (Cr.) 21.105</i> <i>O&M(Cr.) 2.1</i> <i>Total cost 23.205Cr</i>	AMRUT-2.0- SWAP-2- Supplying -Laying-Testing and Commissioning of Distribution system and providing FHTCs in Ponnani Municipality Phase-I	21.105	1.0500	22.1550	1) New FHTCs- 5000 2) Exting connections served in -3500 3) Laying of new distribution lines of pipes of DI 250mm & PVC 90mm,160mm from the 32LL OHSR at Trikavu to costal areas - Apprx.34.5 KM
9	Wadakkancherry <i>SWAP 1</i> <i>Capex (Cr.) 4.0</i> <i>O&M(Cr.) 0.40</i> <i>Total cost 4.40Cr</i>	AMRUT 2.0-SWAP-1- WADAKKANCHERY MUNICIPALITY- AUGMENTATION OF EXISTING WSS- REPLACING 250MM,150MM,100MM,80 AC PIPES WITH 250MM DI, 160MM, 110MM, 90MM PVC PIPES	4.15	0.2500	4.4000	1) New FHTCs-440 2) Exting connections served in -1406 3) Replacing pipelines-6.610 KM
10	Erattupetta <i>SWAP 2</i> <i>Capex (Cr.) 8.88</i> <i>O&M(Cr.) 0.44</i> <i>Total cost 9.32 Cr</i>	AMRUT 2.0- SWAP 2- DRINKING WATER PROJECT IN ERATTUPATTA MUNICIPALITY (AMRUT 2.0)	8.95	0.3700	9.3200	1) BOREWELLS-71 Nos 2) SUBMERSIBLE MOTOR, 3)PUMP HOUSE, 4) 5000 L PVC TANK AND STRUCTURE
TOTAL			111.8	7.7845	119.5845	

All the DPRs have been scrutinized by the KWA Headquarters, State & City Mission Management Units of AMRUT. **Only feasible projects with admissible components, undisputed land, and Operation & Maintenance for 5 years are recommended for approval.**

Major Components:

- Construction of a 7.5 MLD WTP in Malappuram.
- Construction of 5 New Storage tanks.
- Total New connections (FHTCs) – 26,338
- Existing Connections served in – 9,490
- Total households benefitted – 35,828

A minor excess in the allocated fund was observed in the Micro WS project proposal from Erattupetta (Rs.7.4 Lakhs). For AMRUT 2.0 towns, an amount of Rs.100 Cr. was earmarked as a floating fund for the Water Supply Sector. The additional fund requirement can be met from this fund.

The recommended list of projects for issuing administrative sanctions is as follows: (A detailed project list is attached as **Annexure-3**).

Decision to be taken:

The committee may recommend the following to the SHPSC:

- ❖ *Issuance of Administrative Sanction for 10 projects amounting to Rs.119.585Cr. (CAPEX - Rs.111.8 Cr. & OPEX – Rs.7.7845 Cr.)*
- ❖ *KWA may be directed to issue the TS after ensuring technical viability, adequate source of water, justified provisions & rates, necessary clearances, 5-year Operation & Maintenance and only admissible components are included as per AMRUT guidelines.*
- ❖ *KWA may be directed to ensure the non-inclusion of Operation & Maintenance costs, Supervision charges, and Value of land/ structures required for the project development under Central Assistance. If the said components are inevitable, the cost for the same may be met from the State/ ULB/KWA fund.*

Agenda Item No.5: ADMINISTRATIVE SANCTION FOR THE SEWERAGE PROJECT OF KOLLAM CORPORATION (SWAP-2):

The 6th Apex Committee meeting under the AMRUT 2.0 held on 04.01.2023 approved tranche 2 of the State Water Action Plan (SWAP-2) comprising of 10 Water Supply projects of 9 ULBs, 3 Sewerage projects of 3 ULBs (Kollam, Kochi and Kozhikode Corporations) and 255 Water Body Rejuvenation projects of 67 ULBs.

KWA had submitted the Detailed Project Report (DPR) for the project proposed in Kollam Corporation (**Annexure-4**) for an amount of Rs.45.436 Cr. (CAPEX – Rs.39.043 Cr. & OPEX – Rs.6.393 Cr.). The DPR has been scrutinized by the KWA Headquarters. Only feasible projects with undisputed land and with Operation & Maintenance for 5 years are recommended for approval.

Hence, it is requested to issue the AS for the Sewerage project of Kollam Corporation amounting to Rs.45.436 Cr. (CAPEX – Rs.39.043 Cr. & OPEX – Rs.6.393 Cr.). The details of the project are as follows:

Sl. No.	ULB	Name of the Project	PROJECT COST			Major Components
			CAPEX (Cr.) A	O&M (Cr.) B	Total Cost (Cr.)	
1	Kollam Approved SWAP: CAPEX – 40.00 Cr. O&M – 5.40 Cr. Total – 45.40 Cr.	Rehabilitation of existing sewerage system and extension of sewerage system for zone A1 Part II and commissioning of Pallithottam and Thamarakulam pumping stations balance works	39.043	6.393	45.436	<ul style="list-style-type: none"> • Sewer network works • Manholes • New Connections: 3329 • Balance works of 2 pumping stations • Road restoration works
	TOTAL		39.043	6.393	45.436	

Decision to be Taken:

The committee may recommend the following to the SHPSC:

- ❖ *Issuance of Administrative Sanction for the sewerage project proposed in Kollam Corporation, amounting to Rs.45.436 Cr. (CAPEX – Rs.39.043 Cr. & OPEX – Rs. 6.393 Cr.).*
- ❖ *The over and above the SAAP amount shall be borne by the ULBs*
- ❖ *KWA may be directed to issue the TS after ensuring technical viability, adequate source of water, justified provisions & rates, necessary clearances, 5-year Operation & Maintenance and only admissible components are included as per AMRUT guidelines.*
- ❖ *KWA may be directed to ensure the non-inclusion of Operation & Maintenance costs, Supervision charges, and Value of land/ structures required for the project development under Central Assistance. If the said components are inevitable, the cost for the same may be met from the State/ ULB/KWA fund.*

Agenda Item No.6: ADMINISTRATIVE SANCTION OF REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2:

The 4th Apex committee meeting had approved the 1st Tranche of the State Water Action Plan (SWAP-1) for an amount of Rs.1938.52 Cr. (CAPEX - Rs.1842.658 Cr. & OPEX - Rs.95.86 Cr.). The 6th Apex committee held on 04.01.2023 approved 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.). This is inclusive of 255 Water Body Rejuvenation projects worth Rs.82.354 Cr. (Annexure-5). The recommended list of projects for issuing Administrative Sanctions is as follows:

Sl. No.	ULB	Name	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost	
1	ADOOR Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT2.0 Rejuvenation of Ayyappan parakulam in Ward 23	0.3175	0.03	0.3475	1)Earth work in excavation by mechanical (Hydraulic excavator) 2)Dry rubble masonry with hard stone PVC WEEP HOLES- 3)DR PACKING FOR APRONS 4)Random rubble masonry with hard stone 5) Centering and shuttering including strutting 6)Handrail

						7)Interlocking pavement
2	<p>ADDOOR Approved SWAP</p> <p>Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33</p>	AMRUT2.0-Rejuvenation of Karuvatta pond in ward 27	0.320	0.03	0.35	1)Earth work in excavation by mechanical (Hydraulic excavator) 2)Dry rubble masonry with hard stone PVC WEEP HOLES- 3)DR PACKING FOR APRONS 4)Random rubble masonry with hard stone 5)Providing and fixing G.I. chain link fabric fencing Pointing on stone work with cement mortar 6)Cement concrete 1:2:4 for existing road maintenance 7)interlocking paver 8) Providing and fixing bio fencing and landscape of the park
3	<p>ADDOOR Approved SWAP</p> <p>Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33</p>	AMRUT2.0 Rejuvenation of Mulloorkulangara pond in ward 14	0.330	0.03	0.36	1)Removing pola payal 2)Excavation work by excavator)mechanical (Hydraulic/manual means in foundation trenches Dry rubble masonry 3)Random rubble masonry with hard stone 4)Providing and laying reinforced 5)Steel reinforcement for R.C.C work grade Fe- 6)Providing &fixing GI 5.5 mm wire gauze
4	<p>ADDOOR Approved SWAP</p> <p>Capex (Cr.)=0.1 O&M (Cr.)=0.01 Total Cost (Cr.)=0.11</p>	AMRUT2.0-Rejuvenation of Valiyakulam in ward 10	0.110	0.01	0.12	1)Removing pola payal from the Pond 2)Pumping or Bailing out water for foundation Earth work in excavation by mechanical means (Hydraulic excavator) 3)Dry rubble masonry with hard stone 4)- Providing weep holes in DR masonry 5)Providing and fixing hand rail
5	<p>ANGAMALY Approved SWAP</p> <p>Capex (Cr.)=0.877 O&M (Cr.)=0.05 Total Cost (Cr.)=0.927</p>	AMRUT 2.0-Rejuvenation of Ambalakkulam in ward 30 of Angamaly Municipality	0.877	0.05	0.927	1.Earthwork 2. Desilting, 3. Bailing out 4. DR masonry with intermediate concrete belt 5. Parapet wall with handrail 6.Paving the sides of pond and landscaping 7.Electrification
6	<p>GURUVAYUR Approved SWAP</p> <p>Capex (Cr.)=2.385 O&M (Cr.)=0.265 Total Cost (Cr.)=2.65</p>	AMRUT 2.0 Rejuvenation of Njaram Kulam of ward 32	2.385	0.265	2.65	1)Bailing out water Using 5HP Pump 2)Earth work in excavation by mechanical means 3)DRY RUBBLE MASONRY
7	<p>KOLLAM Approved SWAP</p> <p>Capex (Cr.)=0.082497 O&M (Cr.)=0.004125 Total Cost (Cr.)=0.086622</p>	AMRUT REJUVENATION OF KOCHU KULAM DIVISION in – 24 COLLEGE DIVISION"	2.0 0.0187	0.00093	0.0197	Bailing out, Step tiles.
8	<p>KOLLAM Approved SWAP</p> <p>Capex (Cr.)=0.309823 O&M (Cr.)=0.015491 Total Cost (Cr.)=0.325314</p>	AMRUT REJUVENATION OF MADATHIL KULAM – DIVISION – 24 COLLEGE DIVISION"	2.0 0.251	0.0125	0.2633	Bailing out, Excavation, Fencing pole concrete, Fencing, Step tiles.

9	KOLLAM Approved SWAP Capex (Cr.)=0.152289 O&M (Cr.)=0.007614 Total Cost (Cr.)=0.159903	AMRUT REJUVENATION MADATHIL KULAM – DIVISION – 06 KUREEPUZHA WEST"	2.0 OF 06	0.0922	0.00461	0.0968	Bailing out, Desilting, Providing and fixing GI pipe, Fencing, Step tiles.
10	KOLLAM Approved SWAP Capex (Cr.)=0.100229 O&M (Cr.)=0.005011 Total Cost (Cr.)=0.10524	"AMRUT REJUVENATION MOOLOTU KULAM – DIVISION – 31 PUNTHALATHAZHAM"	2.0 OF 31	0.0412	0.0021	0.0432	Bailing out, Fencing, Fencing pole painting.
11	KOLLAM Approved SWAP Capex (Cr.)=0.357882 O&M (Cr.)=0.017894 Total Cost (Cr.)=0.375776	AMRUT REJUVENATION PUTHUVETIL KULAM – DIVISION – 09 ANCHALUMMOODU"	2.0 OF 09	0.299	0.0149	0.314	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
12	KOLLAM Approved SWAP Capex (Cr.)=0.907952 O&M (Cr.)=0.045398 Total Cost (Cr.)=0.95335	AMRUT REJUVENATION KOTTARALULAM AT KACHERI JN IN DIV 49	2.0 OF AT	0.921	0.046	0.967	Bailing out, DISMANTLING DR, Excavation, DR packing PCC, ,rubble masonry, DR Departmental Stone, Chain link, Handrail, Backfilling, Precast slabs, Side wall raising.
13	KOLLAM Approved SWAP Capex (Cr.)=0.096301 O&M (Cr.)=0.004815 Total Cost (Cr.)=0.101116	AMRUT REJUVENATION PULLIYIL KULAM – DIVISION – 55 KANNIMEL"	2.0 OF 55	0.087	0.0043	0.0913	Bailing out, DISMANTLING DR, Excavation, DR packing PCC, ,rubble masonry, DR Departmental Stone, Chain link, Handrail, Backfilling, Precast slabs, Side wall raising.
14	KOLLAM Approved SWAP Capex (Cr.)=0.08291 O&M (Cr.)=0.004145 Total Cost (Cr.)=0.087055	AMRUT REJUVENATION KANNANKUALM in DIVISION – 54 ALATTUKAVU"	2.0 OF 54	0.083	0.0041	0.087	Bailing out, Fixing of GI pipe post ,Chain link
15	KOLLAM Approved SWAP Capex (Cr.)=0.088385 O&M (Cr.)=0.004419 Total Cost (Cr.)=0.092804	AMRUT "REJUVENATION KALLUKULAM DIVISION 51 - THANGASSERY"	2.0 OF in	0.085	0.0042	0.0893	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
16	KOLLAM Approved SWAP Capex (Cr.)=0.112142 O&M (Cr.)=0.005607 Total Cost (Cr.)=0.117749	AMRUT REJUVENATION CHIMARAKULAM – DIVISION 51 THANGASSERY	2.0 OF -	0.112	0.0056	0.1177	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
17	KOLLAM Approved SWAP Capex (Cr.)=0.036781 O&M (Cr.)=0.001839 Total Cost (Cr.)=0.03862	AMRUT REJUVENATION PANIKKARUKULAM – DIVISION – 33 MANAKKADU"	2.0 OF -	0.037	0.0018	0.0386	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.

18	KOLLAM Approved SWAP Capex (Cr.)=0.040069 O&M (Cr.)=0.002003 Total Cost (Cr.)=0.042072	AMRUT REJUVENATION MUNNANIKULAM – DIVISION – 29 – AYATHIL"	2.0 OF	0.057	0.0028	0.0602	Bailing out, packing ,rubble Fencing. Excavation,DR masonry.
19	KOLLAM Approved SWAP Capex (Cr.)=0.029706 O&M (Cr.)=0.001485 Total Cost (Cr.)=0.031191	AMRUT REJUVENATION OF PANCHAYATH KULAM – DIVISION – 28 – PALLIMUKKU"	2.0 OF	0.030	0.0014	0.0311	Bailing out, packing ,rubble Fencing. Excavation,DR masonry.
20	KOLLAM Approved SWAP Capex (Cr.)=0.041939 O&M (Cr.)=0.002097 Total Cost (Cr.)=0.044036	AMRUT REJUVENATION KUNNADI KULAM in DIVISION – 10 – KADAVOOR"	2.0 OF	0.041	0.002	0.0434	Bailing out, packing ,rubble Fencing. Excavation,DR masonry.
21	KOLLAM Approved SWAP Capex (Cr.)=0.06354 O&M (Cr.)=0.003177 Total Cost (Cr.)=0.066717	AMRUT REJUVENATION OLAYIL POND DIVISION 12 - THEVALLY"	2.0 OF	0.064	0.0031	0.0667	Bailing out, packing ,rubble Fencing. Excavation,DR masonry, Fixing of GI mesh
22	KOLLAM Approved SWAP Capex (Cr.)=0.452828 O&M (Cr.)=0.022641 Total Cost (Cr.)=0.475469	AMRUT REJUVENATION OF CHIRAKKARA POND in DIVISION – 11 – MATHILIL"	2.0 OF	0.453	0.0226	0.4754	Bailing out, packing ,rubble Fencing. Excavation,DR masonry, Fixing of GI mesh
23	KOLLAM Approved SWAP Capex (Cr.)=0.059349 O&M (Cr.)=0.002967 Total Cost (Cr.)=0.062316	AMRUT REJUVENATION CHALIL KULAM NEERAVIL IN DIV 08	2.0 OF AT	0.063	0.0031	0.0658	Bailing out, packing ,rubble Fencing. Excavation,DR masonry, Fixing of GI mesh
24	KOLLAM Approved SWAP Capex (Cr.)=0.06683 O&M (Cr.)=0.003341 Total Cost (Cr.)=0.070171	AMRUT REJUVENATION OF MAMOOTTIL KADAVU POND – DIVISION – 06 – KUREEPUZHA EAST"	2.0 OF	0.066	0.0032	0.0691	Bailing out, packing ,rubble Fencing. Excavation,DR masonry, Fixing of GI mesh
25	KOLLAM Approved SWAP Capex (Cr.)=0.076366 O&M (Cr.)=0.003818 Total Cost (Cr.)=0.080184	AMRUT REJUVENATION OF EDAMANAKAVU POND in DIVISION – 3 – MEENATHUCHERI"	2.0 OF	0.071	0.0035	0.0741	Bailing out, packing ,rubble Fencing. Excavation,DR masonry, Fixing of GI mesh
26	KOTTARAKARA Approved SWAP Capex (Cr.)=0.049 O&M (Cr.)=0.001 Total Cost (Cr.)=0.05	AMRUT2.0 REJUVENATION OF GANAPATHY TEMPLE POND – WARD 25 GANAPATHY TEMPLE POND. WARD 25	2.0 OF	0.050	0.001	0.051	Bailing out
27	KOTTARAKARA Approved SWAP Capex (Cr.)=0.04 O&M (Cr.)=0.01 Total Cost (Cr.)=0.05	AMRUT2.0- REJUVENATION OF THRIKKANNAMANGAT TEMPLE POND . WARD 14	2.0 OF	0.050	0.001	0.051	Bailing out

28	KOTTARAKARA Approved SWAP Capex (Cr.)=0.049 O&M (Cr.)=0.001 Total Cost (Cr.)=0.05	AMRUT2.0"REJUVENATION OF-NEELESWARAM LIBRARY POND - WARD 21	0.050	0.001	0.051	Bailing out
29	KOTTARAKARA Approved SWAP Capex (Cr.)=0.049 O&M (Cr.)=0.001 Total Cost (Cr.)=0.05	AMRUT2.0 REJUVENATION OF VALIYA VEETTIL POND - WARD 18, KOTTARAKARA MUNICIPALITY	0.050	0.001	0.051	Bailing out
30	KOTTARAKARA Approved SWAP Capex (Cr.)=0.049 O&M (Cr.)=0.001 Total Cost (Cr.)=0.05	AMRUT2.0 REJUVINATION OF- VILLAMKONATH POND,WARD 11	0.050	0.001	0.051	Bailing out
31	KOTTARAKARA Approved SWAP Capex (Cr.)=0.049 O&M (Cr.)=0.001 Total Cost (Cr.)=0.05	AMRUT2.0 REJUVINATION OF- PADINJATTINKARA TEMPTE POND . WARD 25	0.050	0.001	0.051	Bailing out
32	KOTTARAKARA Approved SWAP Capex (Cr.)=0.069 O&M (Cr.)=0.001 Total Cost (Cr.)=0.07	AMRUT2.0 KOTTARAKARA MUNICIPALITY- AMBALAPURAM TEMPLE POND -WARD 18	0.071		0.071	Bailing out
33	KOZHIKODE Approved SWAP Capex (Cr.)=0.23 O&M (Cr.)=0.023 Total Cost (Cr.)=0.253	AMRUT2.0 Rejuvenation of Valiya Parambu kulam	0.230	0.023	0.253	1.Silt removal 2.Excavation of foundation 3.Bailing out 4.Dryrubble mascnory-sidewall construction,compound walletc
34	KOZHIKODE Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0.025 Total Cost (Cr.)=0.275	AMRUT2.0 Rejuvenation of Areekkulam	0.250	0.025	0.275	1.The estimate includes construction of retaining wall using RCC. 2.jogging track with interlocking, kerb and handrail
35	KOZHIKODE Approved SWAP Capex (Cr.)=0.12 O&M (Cr.)=0.012 Total Cost (Cr.)=0.132	AMRUT2.0 Rejuvenation Neelichira	0.120	0.012	0.132	1.compound wall construction 2. silt removal are included in the estimate.
36	KOZHIKODE Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT2.0 Rejuvenation of Mundakan Kulam three	0.300	0.03	0.33	1.compound wall construction 2. silt removal are included in the estimate.
37	KOZHIKODE Approved SWAP Capex (Cr.)=1 O&M (Cr.)=0.1 Total Cost (Cr.)=1.1	AMRUT2.0 Rejuvenation of Mundakan Kulam one	1.000	0.1	1.1	1.Dry rubble masnory -952Cum 2.Pumping and bailing out slush 3.Centering ans shuttering lintels, beams etc.RCC works
38	KOZHIKODE Approved SWAP Capex (Cr.)=0.13 O&M (Cr.)=0.013 Total Cost (Cr.)=0.143	AMRUT2.0 Rejuvenation of Pavangad Thamarakulam	0.130	0.013	0.143	silt removal,Bathroom construction,

39	KOZHIKODE Approved SWAP Capex (Cr.)=0.175 O&M (Cr.)=0.0175 Total Cost (Cr.)=0.1925	AMRUT2.0 Rejuvenation of Elathur Panchayath Kulam	0.175	0.0175	0.1925	1.compound wall construction 2.silt removal is included in the estimate.
40	NEELESWARAM Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0 Total Cost (Cr.)=0.25	Amrut 2.0 - Rejuvenation of Palayi Pond	0.250	0	0.25	1CC 1:3:6 for foundation bed, 2 RCCI 1:1.5:3 using 20mm broken stone for belt beam, laterite masonry in cm 1:6 for foundation
41	NEELESWARAM Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.01 Total Cost (Cr.)=0.31	AMRUT 2.0- REJUVANATION OF MANNAMPURAM POND IN NILESHWARAM MUNICIPALITY	0.300	0.01	0.31	1 CC 1:3:6 for foundation bed 2. RCC 1:1.5:3 using 20mm broken stone for belt beam, laterite masonry in cm 1:6 for foundation and basement for steps, bailing out water, etc are provided.
42	NEELESWARAM Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0 Total Cost (Cr.)=0.25	AMRUT 2.0 - REJUVANATION OF NARAMKULANGARA POND IN NILESHWARAM MUNICIPALITY	0.250	0	0.25	1.CC 1:3:6 for foundation bed. 2.RCC 1:1.5:3 using 20mm broken stone for belt beam, laterite masonry in cm 1:6 for foundation and basement for steps, bailing out water, etc.
43	MALAPPURAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.01 Total Cost (Cr.)=0.11	AMRUT2.0 Rejuvenation of Thamarakuzhi-Aalumkund Stream in Malappuram Municipality ward 14	0.100	0.01	0.11	1.Pond Work
44	MALAPPURAM Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT 2.0 Rejuvenation of Kolampara Rock Pond in Malappuram Municipality in ward 09	0.300	0.03	0.33	1.Providing and laying in position specified grade of reinforced cement concrete, 2.Steel reinforcement for R.C.C work 3.Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,
45	MALAPPURAM Approved SWAP Capex (Cr.)=0.35 O&M (Cr.)=0.035 Total Cost (Cr.)=0.385	AMRUT 2.0 Rejuvenation of Mannoor Shivakshethra Temple Pond in Malappuram Municipality ward 18	0.350	0.035	0.385	1., DR steps with concrete lining , 2.Excavation of debris from the pond,
46	MALAPPURAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.01 Total Cost (Cr.)=0.11	amrut2.0Rejuvenation of Korangod Chola in Malappuram Municipality in ward 18	0.100	0.01	0.11	1.top belt is proposed over existing dr wall 2.Stainless steel work , 3 m wide steps using DR and C C wall, For keeping the water level, CC wall is very essential etc
47	MALAPPURAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.01 Total Cost (Cr.)=0.11	AMRUT 2.0 Rejuvenation of Adhikarathodi Temple Pond in Malappuram Municipality in ward 28	0.100	0.01	0.11	1.Dry rubble masonry in 2.75 m height proposed in all side of the pond with 2.suitable Top and Middle belt. Hand rail for users, Concrete for existing steps , 3.Construction of Cement concrete wall etc is also included In this DPR.For keeping the water level, CC wall is very essential.

48	MUKKAM Approved SWAP Capex (Cr.)=0.009 O&M (Cr.)=0.001 Total Cost (Cr.)=0.01	Amrut 2.0 - Rejuvenation of Thazhekottummal Pond Division 12- Mukkam Municipality	0.009	0.001	0.01	Silt removal, Cleaning
49	MUKKAM Approved SWAP Capex (Cr.)=0.01 O&M (Cr.)=0.001 Total Cost (Cr.)=0.011	Amrut 2.0 - Rejuvenation of Payyoli Kudivellapadaththi Kulam Division 4	0.010	0.001	0.011	pumping or bailing out water, desilting of pond, DR masonry for side wall,top belt for DR masonry, 12mm thick cement plaster, tuflex net for pond
50	MUKKAM Approved SWAP Capex (Cr.)=0.01 O&M (Cr.)=0.001 Total Cost (Cr.)=0.011	Amrut 2.0 - Rejuvenation of Aayipatta Pond Division 21	0.010	0.001	0.011	pumping or bailing out water, clearing grassand vegetations,cleaning desilting of pond,solid block masonry for side wall,12mm thick cement plaster.
51	MUKKAM Approved SWAP Capex (Cr.)=0.01 O&M (Cr.)=0.001 Total Cost (Cr.)=0.011	Amrut 2.0 - Rejuvenation of Kilikottu Chalil Pond Division 30	0.010	0.001	0.011	pumping or bailing out water,desilting of pond,12mm thick cement plaster,tuflex net for pond.
52	MUKKAM Approved SWAP Capex (Cr.)=0.016 O&M (Cr.)=0.0016 Total Cost (Cr.)=0.0176	Amrut 2.0 - Rejuvenation of Aasarimakkal Pond Division 27	0.016	0.0016	0.0176	pumping or bailing out water, cleaning and desilting of pond,DR masonry and top belt tuflex net etc.
53	MUKKAM Approved SWAP Capex (Cr.)=0.01 O&M (Cr.)=0.001 Total Cost (Cr.)=0.011	Amrut 2.0 - Rejuvenation of Ayanikunnummal Pond Division 5	0.010	0.001	0.011	pumping or bailing out , desilting of pond,12mm thick cement plaster,tuflex net for pond."
54	MUKKAM Approved SWAP Capex (Cr.)=0.01 O&M (Cr.)=0.001 Total Cost (Cr.)=0.011	Amrut 2.0 - Rejuvenation of Cholakuzhi Pond Division 17	0.010	0.001	0.011	pumping or bailing out water, desilting of pond, DR masonry for side wall,top belt
55	MUKKAM Approved SWAP Capex (Cr.)=0.015 O&M (Cr.)=0.0015 Total Cost (Cr.)=0.0165	Amrut 2.0 - Rejuvenation of Nedukandam Paittoolichal Pothu Kulam Division 32	0.015	0.0015	0.0165	Pumping or Bailing out water and removing slush etc by using pump set, removal of rubbish up to a distance of 50 m outside the periphery of the area cleared, Silt Removal ,cleaning, DRY RUBBLE MASONRY -7.56m ³ , 12mm thick cement plaster ,tuflex net for pond
56	PANDALAM Approved SWAP Capex (Cr.)=0.04 O&M (Cr.)=0.0008 Total Cost (Cr.)=0.0408	AMRUT2.0 Poozhikkad Shastha Temple Kulam in ward 22	0.041	0.0008	0.0408	1.Widening, Removal of Waste, Side Protection, Clearing the water flow Removing Algae, Si, Land Side
57	PANDALAM Approved SWAP Capex (Cr.)=0.07 O&M (Cr.)=0.0014 Total Cost (Cr.)=0.0714	AMRUT2.0REJUVENATION OF Vaakathinal Modippuram Kulam 27	0.071	0.0014	0.0714	1.Widening, Removal of Waste, Side Protection, Clearing the water flow Removing Algae, Si, Land Side

58	PANDALAM Approved SWAP Capex (Cr.)=0.06 O&M (Cr.)=0.0012 Total Cost (Cr.)=0.0612	AMRUT2.0 REJUVENATION OF VALLIKKAVINAL KULAM	0.061	0.0012	0.0612	Widening, Removal of Waste, Side Protection, Clearing the water Tow, Removing Algae, Sit, Land Slides etc.
59	PANDALAM Approved SWAP Capex (Cr.)=0.05 O&M (Cr.)=0.001 Total Cost (Cr.)=0.051	AMRUT2.0 REJUVENATION OF THEVARU KULAM	0.051	0.001	0.051	Widening, Removal of Waste, Side Protection, Clearing the water Sow, Removing Algae, Sit, Land Sides etc.
60	PANDALAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.002 Total Cost (Cr.)=0.102	AMRUT2.0 REJUVENATION OF CHEMBOOKU MADAKULAM	0.102	0.002	0.102	Widening, Removal of Waste, Side Protection, Clearing the water Now, Removing Algae, Slit, Land Sides etc.
61	PANDALAM Approved SWAP Capex (Cr.)=0.03 O&M (Cr.)=0.0006 Total Cost (Cr.)=0.0306	AMRUT2.0 REJUVENATION OF PATTUPURAKAVU TEMPLE POND	0.031	0.0006	0.0306	Widening, Removal of Waste, Side Protection, Clearing the water flow, Removing Algae, Sit, Land Sides etc.
62	PANDALAM Approved SWAP Capex (Cr.)=0.06 O&M (Cr.)=0.0012 Total Cost (Cr.)=0.0612	AMRUT2.0 REJUVENATION OF THOPPIL PARAKULAM	0.061	0.0012	0.0612	Widening, Removal of Waste, Side Protection, Clearing the water flow, Removing Algae, Sit, Land Sides etc.
63	PANDALAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.002 Total Cost (Cr.)=0.102	AMRUT2.0 Rejuvenation of Chonekkattu Kulam in Division 2	0.102	0.002	0.102	Pond renovation, DR packing under Foundation, Widening, Side Protection,
64	PANDALAM Approved SWAP Capex (Cr.)=0.05 O&M (Cr.)=0.001 Total Cost (Cr.)=0.051	AMRUT2.0 Rejuvenation of Venkulathil Kulam in 3 Ward	0.051	0.001	0.051	Pond renovation, DR packing under Foundation, Widening, Removal of Waste, Side Protection, Clearing the water flow, Removing Algae, Silt, Land Slides etc.
65	PANDALAM Approved SWAP Capex (Cr.)=0.05 O&M (Cr.)=0.001 Total Cost (Cr.)=0.051	AMRUT2.0 Rejuvenation of ANIKKANATTUKULAM	0.051	0.001	0.051	water body requalification at pandasam municipally-Widening, Removal of Waste Side Protection, Clearing the water flow: Removing Algie, Slit, Land Sides etc.
66	PANDALAM Approved SWAP Capex (Cr.)=0.05 O&M (Cr.)=0.001 Total Cost (Cr.)=0.051	AMRUT2.0 Rejuvenation of Cheruvallikuzhi Kulam	0.051	0.001	0.051	Widening, Removal of Waste, Side Protection..
67	PANDALAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.002 Total Cost (Cr.)=0.102	AMRUT2.0 Rejuvenation of Thazhevayal Kulam	0.102	0.002	0.102	Widening, REMOVAL of Waste, Side Protection Clearing flow, Removing Algae, St, Land Sides etc.

68	PANDALAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.002 Total Cost (Cr.)=0.102	AMRUT2.0 Rejuvenation of Sastha Kshethra Kulam in Ward 33	0.102	0.002	0.102	Widening, Removal of Waste, Side Protection. .
69	PANDALAM Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.002 Total Cost (Cr.)=0.102	AMRUT2.0 Rejuvenation of Amappuram Kulam in Ward 26	0.102	0.002	0.102	Widening, Removal of Waste, Side Protection.
70	PIRAVOM Approved SWAP Capex (Cr.)=0.5 O&M (Cr.)=0.05 Total Cost (Cr.)=0.55	AMRUT -2 Edappillychira Pond and Gym-General Civil Work	0.500	0.05	0.55	Pumping or Bailing out water and removing slush, RUBBLE MASONRY.
71	THIRUVALLA Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.05 Total Cost (Cr.)=0.15	AMRUT2.0 Rejuvanation of sreenarayana ambalam kshethra kulam	0.150	0.0075	0.1575	1.Rejuvenation
72	THIRUVALLA Approved SWAP Capex (Cr.)=0.2 O&M (Cr.)=0.05 Total Cost (Cr.)=0.25	AMRUT2.0 Rejuvenation of uthramel kshetrakulam	0.438	0.0219	0.4599	1.Rejuvenation Side protection work-52m
73	THIRUVALLA Approved SWAP Capex (Cr.)=0.2 O&M (Cr.)=0.05 Total Cost (Cr.)=0.25	AMRUT2.0, Rejuvanation of sreevallabha kshethra kulam	0.25	0.0125	0.2625	1. 15metres of DR masonry 2. deepening upto 0.75m. 3 As well as park
74	THIRUVALLA Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.05 Total Cost (Cr.)=0.15	AMRUT2.0.Rejuvenation of Thaikulam	0.177	0.0082	0.1847	"1. demolishing and reconstructing 33 m and 25 m of DR Masonry. 2. deepening of pond 3. a small park with chairs" 4.DRY RUBBLE MASONRY
75	THIRUVALLA Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.025 Total Cost (Cr.)=0.125	AMRUT2.0.Rejuvenation of public pond in ward 24	0.125	0.0012	0.1262	1.demolishing and reconstructing 17 metres of three sides with DR Masonry. 2. deepening of pond 3. small park with chairs
76	THIRUVALLA Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.05 Total Cost (Cr.)=0.15	AMRUT2.0 Rejuvenation of plappara pond	0.150	0.0075	0.1575	1. demolishing and reconstructing 23 m and 33 of side wall with DR Masonry. 2.deepening of pond upto 1m
77	THIRUVALLA Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0.05 Total Cost (Cr.)=0.3	AMRUT2.0.Rejuvenation of Kulathinkara pond	0.439	0.0219	0.4609	1. demolishing and reconstructing all sides with DR Masonry. 2.deepening of pond upto 1 metre is included in this estimation. 3.Dry rubble masonry-337m^3
78	THIRUVALLA Approved SWAP Capex (Cr.)=0.4	AMRUT2.0.Rejuvenation of chanda thodu	0.500	0.025	0.525	1.renovating the existing water park building as well as removing the

	O&M (Cr.)=0.1 Total Cost (Cr.)=0.5				pola payal upto 200 metre of length. 2.demolishing and reconstruction of the side wall of thodu of 132 metres length. 3.Dry rubble masonry-372m ³
79	TIRURANGADI Approved SWAP Capex (Cr.)=0.45 O&M (Cr.)=0.05 Total Cost (Cr.)=0.5	AMRUT 2.0-Renovation Of Samusakkulam	0.390	0.02	0.41 RENNOVATION 1.Providing and laying cement concrete retaining walls, return walls, WAlis (any thickness) including attached pilasters, columns, piers, abutments, pillars posts, 2.Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. 3.PVC WEEP HOLES 60-75 MM DIA
80	TIRURANGADI Approved SWAP Capex (Cr.)=0.4 O&M (Cr.)=0.1 Total Cost (Cr.)=0.5	AMRUT2.0 Renovation of Pulinjilath pond	0.400	0.02	0.42 1.Providing and laying in position cement concrete 2.DRY RUBBLE MASONRY 3.Providing and fixing handrail of approved size by welding etc.
81	TIRURANGADI Approved SWAP Capex (Cr.)=0.7 O&M (Cr.)=0.05 Total Cost (Cr.)=0.75	AMRUT 2.0 Renovation o f Venchali kappu	0.700	0.02	0.72 1.Providing and laying in position cement concrete 2.DRY RUBBLE MASONRY
82	VADAKARA Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.02 Total Cost (Cr.)=0.32	"AMRUT2.0 Rejuvenation of Illath Thazhe Pond in Vatakara Municipality"	0.300	0.02	0.32 1.RENOVATION OF POND 2. DRAINAGE
	TOTAL		17.124	1.154	18.259

Decision to be taken:

The committee may recommend the following to the SHPSC:

- ❖ *Issuance of Administrative Sanction for 82 Rejuvenation of Water Body projects proposed amounting to Rs.18.259 Cr. (CAPEX – Rs.17.124 Cr. & OPEX - Rs.1.154 Cr.).*
- ❖ *The over and above the SAAP amount shall be borne by the ULBs*
- ❖ *ULBs may be directed for issuing the TS after ensuring technical viability, land availability, justified provisions & rates, necessary clearances, 5-year Operation & Maintenance, and only admissible components are included as per AMRUT guidelines.*
- ❖ *ULBs may be directed to ensure the non-inclusion of Operation & Maintenance costs, and Value of land/ structures required for the project development under Central Assistance. If the said components are inevitable, the cost for the same may be met from the State/ ULB fund.*

Agenda Item No.7: SELECTION OF PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC) - PROGRESS REVIEW:

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.

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) Ernst & Young.

Subsequently, technical bids were opened on 14th October 2022. The evaluation committee had suggested rejecting the proposals submitted by TATA Consulting Engineers Limited due to the submission of multiple online bids and the remaining four bids were opened in the technical bid opening meeting. The technical proposals were evaluated by the 2nd & 3rd Consultant Selection Committees held on 03.12.2022 and 16.12.2022.

The Technical Proposal Evaluation Report is as follows;

Sl. No	Name of Bidder	Name of NGO Associated with Bidder	Total Marks scored
1	Shah Technical Consultants Pvt. Ltd. with CED	Centre for Environment and Development	90.50
2	WAPCOS Limited.	All Kerala Orphans Welfare Association	69.75
3	URS Scott Wilson India Pvt. Ltd. in JV with AECOM India Pvt.Ltd.	SHREYAS	84.50
4	ERNST& YOUNG LLP.	Water, Sanitation and Hygiene Institute (WASH Institute)	82.00

Since all 04 bidders had secured more than 60 marks, all four bidders were eligible for financial bid opening.

The 6th SLTC Meeting approved the Technical Evaluation report of PDMC and sanction was given for the opening and evaluation of the financial bid of four eligible bidders. Accordingly, Price bids were opened in the 4th Consultant Selection Committee of PDMC held on 04.01.2023.

The Financial bids received were as follows:

Name of bidder	FIN 3- Remuneration (Rs.)	FIN-4- Reimbursable expenses (Rs.)	TOTAL (Rs.)
Shah Technical Consultants Pvt. Ltd. In JV with Centre for Environment and Development	4,44,44,447.00	1,00,00,000.00	5,44,44,447.00

WAPCOS Ltd. In JV with All Kerala Orphans Welfare Association	5,31,53,850.00	9,65,58,000.00	14,97,11,850.00
URS Scott Wilson India Pvt. Ltd. In JV with AECOM India Pvt. Ltd. And SHREYAS	8,84,13,317.55	5,23,60,000.00	14,07,73,317.55
Ernst & Young LLP in JV with Water, Sanitation and Hygiene Institute (WASH Institute)	9,72,49,275.00	31,02,750.00	10,03,52,025.00

The 4th SHPSC analyzed the present status of the activities to be carried out by the selected PDMC and suggested to take a relook of the decision for appointing a Project Development and Management Consultant (PDMC) for AMRUT 2.0 since a substantial quantum of work has been completed and also considering the high quotes of the bidders.

Further the 5th and 6th CSC meeting of PDMC held on 30.1.2023 and 02.02.2023 concurred with the following findings in the bid evaluation report submitted:(Bid evaluation report, Minutes of 5th and 6th CSC Meeting are enclosed as (Annexure-6)

1. Since the lowest price bid was received from M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development) amounting to INR 4,44,44,447.00/-, hence the 70 per cent of average lump sum remuneration cost was calculated excluding this remuneration cost.
70% of avg. lump sum rem. cost = **5,57,23,836.60 INR**
2. As the price bid submitted by M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development) amounting to INR 4,44,44,447.00/- and the price bid submitted by M/s. WAPCOS Ltd. (in JV with All Kerala Orphans Welfare Association) amounting to INR 5,31,53,850.00/- are lower than 70 per cent of the average lump sum remuneration cost calculated, these two bids are disqualified.
3. With the financial bid of M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development) and M/s. WAPCOS Ltd. (in JV with All Kerala Orphans Welfare Association) being disqualified, the lowest price bid was INR 8,84,13,317.55/-, received from M/s. URS Scott Wilson India Pvt. Ltd. (in JV with AECOM India Pvt. Ltd. and SHREYAS). The financial score () was calculated for the remaining two bidders using the formula:

Financial score, $S_f = 100 \times F_m / F$, where F_m is the lowest price and F is the price under consideration.

4. The financial scores assigned to the remaining two bidders are given in the table below.

Sl. No.	Name of Bidder	Amount Quoted in INR	Financial Score Assigned (out of 100 points)*
1	URS Scott Wilson India Pvt. Ltd. In JV with AECOM India Pvt. Ltd. and SHREYAS	8,84,13,317.55	100.00
2	Ernst & Young LLP in JV with Water, Sanitation and Hygiene Institute (WASH Institute)	9,72,49,275.00	90.91

* Rounded off to two decimal places

5. As per the Quality (70%) cum Cost (30%) Based Selection mentioned in the Data Sheet (Part II of

Section 2 of the RFP document), the combined technical and financial score (S) was calculated using the following formula:

$S = S_t \times 70\% + S_f \times 30\%$, where S_t is the Technical Score obtained and S_f is the Financial Score obtained. Thus, the combined technical and financial scores as well as the ranking of the bidders are as in the table below.

Sl. No.	Name of Bidder	Technical Score (out of 100)	Financial Score (out of 100)	Combined Score (S) (out of 100)	Rank
I	II	III	IV	$V = 0.7 \times III + 0.3 \times IV$	VI
1	URS Scott Wilson India Pvt. Ltd. In JV with AECOM India Pvt. Ltd. and SHREYAS	93.37	100.00	95.36	H1
2	Ernst & Young LLP in JV with Water, Sanitation and Hygiene Institute (WASH Institute)	90.61	90.91	90.70	H2

The Committee analyzed the present status of the activities to be carried out by the selected PDMC and made the following recommendations;

1. The Committee observed that the representations made by M/s. WAPCOS Ltd. and M/s. Ernst & Young LLP for calculating the 70 percent of average lump sum remuneration cost using the sum of remuneration and reimbursable **should not be considered and only the remuneration cost shall be considered as per the RFP conditions**.
2. Also, the Committee recommended **not considering the representation given by M/s. Shah Technical Consultants Pvt. Ltd. for removing the condition for eligibility of financial bids based on the average lump sum remuneration cost, as it will result in a violation of the existing RFP conditions**.
3. The Committee also recommended that the representation from M/s. Ernst & Young Ltd. for evaluating the proposal based on the total cost of remuneration and reimbursable **should not be considered and that the financial evaluation shall be based on existing RFP conditions (cost as per Form FIN-3) only**.
4. The Committee observed that the bidder with the highest technical score of 100 points (M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development)) had to be rejected during the financial evaluation and that the price bid quoted by the first ranked (H1) bidder is nearly twice the same quoted by M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development).
5. Committee observed that a significant quantum of works supposed to be carried out by the PDMC has already been completed by AMRUT 2.0 Kerala. In this backdrop, **the Committee recommended for conducting financial negotiations with the H1 bidder, in line with the conditions laid down in the RFP document (Clause 16 in Part I of Section 2 of the RFP document), based on the revised scope of work and keeping the 70 percent of average lump sum remuneration cost calculated as baseline price**.
6. The Committee also observed that the reimbursable and contingency expense quoted by the first ranked (H1) bidder is very high compared to the same quoted by the second ranked (H2) bidder. Hence, the Committee recommended that, in the best interests of AMRUT 2.0 Kerala, financial negotiations shall be made with the H1 bidder with regards to the reimbursable quoted also, **and the work shall be awarded to the H1 bidder ONLY if the H1 bidder is willing to undertake the assignment with reimbursable at the rate quoted by the H2 bidder**.
7. If the H1 bidder is not willing to undertake the assignment in the revised rate of reimbursable and

contingency expenses as in the recommendation above (Sl. No. 6), **AMRUT 2.0 Kerala shall opt for the re-tendering process.**

Decision to be taken:

The committee may recommend the following to the SHPSC:

- ❖ *Permission may be given for conducting financial negotiations with the H1 bidder, in line with the conditions laid down in the RFP document (Clause 16 in Part I of Section 2 of the RFP document), based on the revised scope of work and keeping the 70 percent of average lump sum remuneration cost calculated as baseline price.*
- ❖ *Decision to award to the H1 bidder ONLY if the H1 bidder is willing to undertake the assignment with reimbursables at the rate quoted by the H2 bidder.*

Agenda Item No.8: ASSIGNING THE CHARGE OF DISTRICT COORDINATOR AMRUT TO THE DISTRICT DEVELOPMENT COMMISSIONERS (DDCS):

As per Government Order G.O(MS) No. 11/2023/ LSGD dated 13.01.2023, staff strength in 9 City Mission Management Units (CMMUs) of AMRUT was increased from 18 to 25 Urban Infrastructure cum Water Experts (UIWEs). The CMMUs will have to monitor and coordinate Water Supply projects & Water Body Rejuvenation & park projects covering all 93 ULBs and Sewerage and Septage projects for all the 9 AMRUT 1.0 cities. The CMMUs are responsible for carrying out all the periodic monitoring and reporting for the physical and financial progress of all the activities at the ULB level to ensure the efficient implementation of projects. CMMUs are obliged to work closely in liaison with the District Collector's Office, District Planning Committee (DPC), and other related departments as per the Government systems and procedures.

As per Government Order G.O.(Rt) No.39/2023/LSGD dated 06-01-2023, District Collectors were authorized as the Nodal Officers for AMRUT projects to expedite the execution of various projects under AMRUT. Considering the wider mandate of AMRUT 2.0 to cover all the Urban Local Bodies of Kerala and the necessity to coordinate with other departments viz, PWD, KSEB, Irrigation, KPCB, Suchitwa Mission, KWA, Railways, NHAI etc; there is a necessity for a separate position to act in the capacity of District Coordinator.

If the services of District Development Commissioners can be spared to act in the capacity of District Coordinators for AMRUT, in addition to their regular duty as DDCs, the AMRUT can work more effectively, imparting the desired focus on coordinating the project implementation activities of Urban Local Bodies in the State. The job definition of District Development Commissioners shall include inter-departmental coordination, development promotion, and liaison between the Secretariat and the districts with a focus on speed and rigor.

Hence, the Director, Urban Affairs (Mission Director, AMRUT) had requested (vide letter no. DUA/ 898/ 2023-DC1 dated 02.02.2023) the Principal Director for issuing Government Orders assigning the following roles and responsibilities to the DDCs as the District Coordinator, AMRUT:

- 1) To provide the necessary support to District Collector in Land Identification and Land Acquisition as per the requirement of the Project and as per the environmental and social safeguards to be complied with based on the ESIA.
- 2) To review and monitor AMRUT projects including the physical and financial progress of each ULB, and support the Mission Director, AMRUT.
- 3) To review and monitor the IEC campaign, reform implementation under AMRUT Mission, etc.
- 4) To Work closely with the District Collector's Office and District Planning Committee as per the existing systems and procedures of the State.

- 5) To support the Mission Director AMRUT in planning and implementation of projects including providing Inter-ULB coordination support and inter-institutional support at the district level for all project activities and
- 6) To support the Mission Director AMRUT in ensuring the availability of undisputed land for projects.
- 7) To coordinate with district administration and authorities on all issues pertaining to AMRUT in the district including Public consultations.
- 8) To identify project opportunities in consultation with various stakeholders.
- 9) To supervise the activities of CMMUs.
- 10) To supervise training and capacity-building activities in the district as planned by SMMU.
- 11) To monitor the compliance of the O&M procedures of the commissioned facilities.

It was also requested to include the District Development Commissioners as a member of the State-Level Technical Committee (SLTC) and State-level High Powered Steering Committee (SHPSC) of AMRUT.

Decision to be taken:

The committee may recommend the following to the SHPSC:

- ❖ *Assignment of the role of District Coordinator, AMRUT projects to the DDCs.*
- ❖ *DDCs may be made members of the State-Level Technical Committee (SLTC) and State-level High Powered Steering Committee (SHPSC) of AMRUT.*

Agenda Item No.9: REAPPROPRIATION OF FUND FROM ULBs WITHOUT PROJECT PROPOSALS TILL MARCH 2023:

According to the 6th Apex Committee decision, the tender process of all the approved projects should be completed by March 2023. Accordingly, the DPR of all approved projects (SWAP-1 & 2) have to be submitted by 15.03.2023.

Projects under tranche-3 (SWAP-3) are planned to be submitted to MoHUA for approval by 31.03.2023. Hence all ULBs have to submit the proposals in the AMRUT-2.0 portal by 15.03.2023.

The Committee may direct the ULBs to follow the above-mentioned timelines, failing which, the funds may be reallocated to those ULBs who require additional funds and showing good progress in the implementation of projects.

Decision to be taken:

The committee may recommend the following to the SHPSC:

- ❖ *ULBs may be directed to submit the DPR for all approved projects (SWAP-1 & 2) by 15.03.2023.*
- ❖ *ULBs may be directed to submit the SWAP-3 proposals in the AMRUT-2.0 portal by 15.03.2023.*
- ❖ *If any ULB fail to meet the above-mentioned timelines, the fund allocated to such ULB may be reallocated to those ULBs who require additional funds and showing good progress in the implementation of projects.*

Agenda Item No. 10: OPENING OF SEPARATE BANK ACCOUNT FOR MAINTAINING THE EARNEST MONEY DEPOSIT (EMD) AND PROCESSING FEE AT SNA:

Vide letter no. TCPCTP/ 1066/ 2022-F1 dated 13.02.2023 the Chief Town Planner (Planning), LSGD has informed as follows:

The Ministry of Housing and Urban Affairs, Government of India have launched the sub-scheme of 'Formulation of GIS based Master Plans for Class II towns under AMRUT 2.0'. 49 cities in Kerala are eligible for getting financial assistance under this Scheme. This is a 100 % Centrally Sponsored Scheme.

The Government of Kerala vide G.O (Rt) No.2871/2022/LSGD, Dt: 21.11.2022 have designated the Local Self Government Department (Planning) as the Nodal Agency and Chief Town Planner (Planning) as the Nodal Officer for the implementation of this sub-scheme .

The State Action Plan (SAP), which is a prerequisite for accessing funds under the Scheme, was approved by 6th State Level Technical Committee (SLTC) of AMRUT-2.0 held on the 20th & 24th of December 2022 Under agenda item No.8. The SHPSC during the meeting held on 23.01.2023 has approved the State Action Plan and has recommended to GoI for the release of the first installment of central grant.

As per the reform agenda for the sub scheme under AMRUT 2.0, salary & wage components, furniture & fixtures and hardware & software, recurring expenses etc. are inadmissible components. In this context, considering the number of Master Plans to be handled simultaneously in each district within the Mission period and the constraints in the availability of adequate manpower and infrastructure in the Department exclusive for this scheme, the need for outsourcing the task of preparation of Master Plan is found desirable, which is a permissible option as per the scheme guidelines. Hence as per the SAP, preparation of Master Plans for all the 49 cities is proposed to be outsourced.

Requests for Proposals (RFPs) have to be called for from desired outsourcing Consultants through the bid process. Outsourcing Consultants applying for the RFPs may have to deposit Earnest Money Deposit (EMD) and Processing Fee to an account specified.

In this context, savings bank account for State Nodal Agency (Local Self Government Department (Planning) in the name of Nodal Officer (Chief Town Planner (Planning) is to be opened for maintaining the EMD, Processing Fee and such other amount under this Scheme in Indian Bank, Thycaud Branch where the current SNA account under AMRUT is operational.

Decision to be taken:

The committee may recommend to the SHPSC for granting permission to the State Nodal Agency (Local Self Government Department, Planning) to open a separate savings bank account in the name of the Nodal Officer (Chief Town Planner, Planning) for maintaining the EMD, Processing Fee and any such other amount under this Scheme in the Indian Bank, Thycaud Branch where the current SNA account of AMRUT is operational.

Mission Director

AMRUT