

Minutes of the 7th State Level Technical Committee (SLTC) of AMRUT 2.0 held on 16th February 2023 at 04:00 PM through Video Conferencing by the Principal Secretary, Local Self Government Department

The meeting of the 7th State Level Technical Committee of AMRUT 2.0, chaired by Smt. Sharmila Mary Joseph IAS, Principal Secretary, Local Self Government Department commenced at 04:00 PM (List of participants attached as Annexure 1).

Sri. Arun.K. Vijayan IAS, Mission Director, AMRUT presented the points in the agenda note.

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

Decision taken:

The Committee approved the Minutes of the 6th SLTC meeting of AMRUT 2.0.

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

<i>Agenda Item</i>	<i>Action Taken</i>	<i>Decision Taken</i>
Agenda No. 2.1: Sewerage & Septage Sector – Implementation of Faecal Sludge Treatment Plant Projects – Engagement of Accredited Agencies for Preliminary Report Preparation	The Govt. Order was issued vide G.O.(Rt) No.3221/ 2022/ LSGD dated 27.12.2022.	Noted
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 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.	Noted
Agenda No.2.3: Approval of Restructuring proposal of SMMU & CMMUs for AMRUT 2.0.	The Govt. Order was issued vide G.O.(Ms)No.11/2023/LSGD dated 13.01.2023	Noted
Agenda Item No.3: Progress of AMRUT 2.0	<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.. 	Noted
Agenda Item No.4: Operation & Maintenance (O&M) cost of STP/FSTP. Projects.	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.	Noted

Agenda Item No.5: Cancellation of Water Supply Projects in the 1 st Tranche of SWAP	❖ The TS Committee meeting for the WS work of Thrissur Corporation was held on 10.02.2023.	Noted
Agenda Item No.6: Administrative Sanction of 75 Water Supply Projects Approved under 1 st Tranche of SWAP	The Request letter for issuing AS was sent on 14.02.2023.	The Chair directed LSGD section to expedite.
Agenda Item No.7: Administrative Sanction of Sewerage Projects Approved under 1st Tranche of SWAP	The Request letter for issuing AS was sent on 14.02.2023.	The Chair directed LSGD section to expedite.
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	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.	Noted
Agenda Item No.9: Providing Support of State Nodal Agency under AMRUT 2.0	The CE, LSGD's evaluation report is awaited.	Noted
Agenda Item No.10: Opening of Separate Bank Account for SNA & Implementing Agencies under the Scheme	Request to be given to LSGD for the Govt. Order in this regard.	Noted
Agenda Item No.11: Constitution of Consultancy Evaluation & Review Committee (CERC) for Monitoring GIS-Based Master Plan	Request to be given to LSGD for the Govt. Order for constitution of the CERC.	Noted
Agenda Item No.12: AMRUT 2.0-TOOL KIT for URBAN REFORMS.	Action plan is being prepared.	Noted
Agenda Item No.13: Proposal for the IEC CAMPAIGN among School Students - 'JALAM JEEVITHAM' a Campus-to-Campus Campaign on Sanitation and Protection of Water Resources	Request to be given to LSGD for the Govt. Order in this regard.	Noted
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 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.	Noted
Agenda Item No.15: Selection of PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC) – Approval of Technical Bid Evaluation Report	Agenda included in this committee.	Noted
Agenda Item No.16: Request to hire additional space for SMMU, AMRUT	The CE, LSGD's evaluation report is awaited.	Noted
Additional Agenda Item No.01: Request of Hon' Mayor Kozhikode; 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	Request to be given to LSGD for the Govt. Order in this regard.	Noted

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 13 WS projects for Rs203.247 Cr., 2 SEW projects for Rs.238.755 Cr. and 96 Water Body Rejuvenation projects for Rs.21.065 Cr. are placed in this SLTC for Administrative sanction.

PROJECT PROGRESS

Sector	Total outlay	SWAP-1		SWAP-2		Total SWAP submitted		SWAP-3 Planned by March 2023 (Cr.)	DPR prepared-Tranche (1& 2)		AS accorded	
		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.)	No. of projects	CAPEX cost (Cr.)
Water supply (Including floating in of 100 Cr.)	1813.400	199	1738.02	10	171.388	209	1909.408	540.152	161	1330.117	151	1218.321
Floating Incentive Fund from SEW (Cr.) for AMRUT cities	636.160											
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
AMRUT 1 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 namely, “Decentralized sewage treatment plant and associated sewerage network for Zone-A (Package-A: 7 MLD STP at Avikkalathodu & 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 Alappuzha 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 (with 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 (with septage co-treatment) at Kottappuram along with the associated sewer network of 11 Km 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 (with septage co-treatment) at Maithanappally along with the associated sewer network of 36 Km.

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 (with septage co-treatment) along with the associated network of 7 Km.

Deliberation:

Mission Director briefly explained the progress of AMRUT 2.0 and the 6th Apex committee decisions as under:

- ❖ Regarding the Apex Committee's decision to send clarification on the reuse of water from the proposed Cochin STP, clarification will be sent soon by AMRUT.
- ❖ Other Important points mentioned in the Apex Committee were briefly explained as under;
 - Proper re-use of treated wastewater from STPs by supplying to industries (factories, power plants, railways, etc.), construction activities, and other such revenue-generating avenues, wherever feasible, instead of discharging the entire treated water into rivers/streams.
 - The state must strive to award contracts for all approved projects by March 2023.
 - Smart elements may be invariably used in projects for monitoring to arrest revenue losses.

- ❖ The progress in the preparation of Detailed Project reports was also presented-159/255 water body projects, 14/177 water supply projects, 2/ 26 Sewerage projects, and 30/ 31 Micro Water supply schemes are yet to be submitted by KWA/ ULBs.
- ❖ The progress of Sewage/ Septage projects in 9 AMRUT cities was discussed as under;
 - KWA was asked to resubmit the DPR after including co-treatment capacity for Alappuzha ULB and to submit the DPR for 5 MLD STP (with septage co-treatment) at Kottappuram for Thrissur Corporation. The Secretary of Kannur Corporation was directed to obtain the Council's approval and intimate KWA to initiate the DPR preparation.
 - In order to resolve the land issues, the Secretary of Palakkad Municipality was directed to take up the matter with the District Collector at the earliest. Secretary was also directed to take urgent steps to finalize the technology of the STP proposed.
 - The Secretary of Guruvayur Municipality assured that the Council approval will be obtained in the next week. MD KWA added that based on the request of the Chairperson to avoid road cutting, the modified proposal will be based on a new mechanism, for which unit cost will be increased.
- ❖ Regarding the ULB shares for AMRUT 2.0 projects, the Joint Secretary Finance development wing mentioned that the same has been kept in the budget for additional authorization from the State fund and ULB shares will be recouped from Corresponding ULBs. The Chair informed that the 1st installment of the 15th SFC grant has been already received for non-million plus cities and while issuing the GO, provision to recoup ULB share for AMRUT 2.0 for respective ULBs shall be included.

Decision taken:

- ❖ **The Committee noted the Apex committee's decision to award contracts for all approved projects by March 2023 and therefore, directed ULBs to strive to award all the approved Water supply, Sewerage, and Water body projects by March 2023.**
- ❖ **All the ULBs were also strongly directed to submit the pending DPRs under approved tranches -SWAP-1 & 2 within 2 weeks.**
- ❖ **The Committee directed KWA to plan the reuse of treated wastewater from STPs while preparing the DPRs for STPs and to plan smart elements for water supply projects. Secretaries of 9 AMRUT cities and KWA were also directed to formulate the sewage/ septage projects and submit DPRs before 15th March 2023.**

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.

Now, It is requested to issue the AS for 13 projects amounting to Rs.216.872 Cr. (CAPEX – Rs.203.247 Cr. & OPEX – Rs.13.6245 Cr.).

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) – 45,338 Nos.**
- **Existing Connections served in – 54,832 Nos.**
- **Total households benefited – 1,00,170 Nos.**

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:

Sl No.	ULB	Name	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost	
1	Kottarakkarra SWAP1 Capex (Cr.) 2.00 O&M(Cr.) 0.02 Total cost 2.02	AMRUT 2.0 -SWAP-1- - WSS To Kottarakkarra 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 SWAP1 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) Existing connections served in -1253 3). Rider line - 3.5 KM (Taping point to Kandalamala sump) 4) Gravity line - 3.0 KM (Kandalamala sump to Kalaranthiri area) 5) New Distribution line -10 km 6) Construction of 10LL GLSR 7) 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 Kodungalloor 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) New Distribution line- 10 KM 3) Replacement of old AC pipe at various wards-8 KM 4) Road restoration charges- 3.34 Cr.
5	Chavakkadu SWAP 1 Capex (Cr.) 11.071 O&M(Cr.) 1 Total cost 12.071Cr	AMRUT 2.0- SWAP-1- Chavakkad Municipality- Supplying & laying of distribution network and providing FHTCs	10.89	1.1800	12.0700	1) FHTCs- 5000 Nos. 2) New Distribution network-7 KM 3) 3) Road restoration charges-2.07 Cr.
6	Kattapana SWAP 2 Capex (Cr.) 14.4 O&M(Cr.) 2 Total cost 16.4Cr	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. KM 2) New FHTCs -3270 3) Existing connections served in -287 4) Road restoration charges- 1.93 Cr.
7	Kunnamkulam SWAP 1 Capex (Cr.) 14.565 O&M(Cr.) 1.50 Total cost 16.065Cr	AMRUT 2.0- SWAP-1- Providing Storage, Distribution Network, Transmission network, other allied works including FHTCs in KunnamkulamMunicipal ity	14.565	0.1500	14.7150	1) Construction of 10 LL OHSR at Kurukkanpara. 2)Providing distribution network -13.23 3) FHTCs- 3100 Nos. 4) Length of Pumping main- 1.65 KM 5) Road restoration- 3.2 Cr.
8	Ponnani SWAP 2 Capex (Cr.) 21.105 O&M(Cr.) 2.1 Total cost 23.205Cr	AMRUT-2.0- SWAP-2- Supplying -Laying- Testing and Commissioning of Distribution system and providing FHTCs in Ponnani Municipality Phase-1	21.105	1.0500	22.1550	1) New FHTCs- 5000 2) Existing 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 SWAP 1 Capex (Cr.) 4.0 O&M(Cr.) 0.40 Total cost 4.40Cr	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) Existing connections served in -1406 3) Replacing pipelines- 6.610 KM 4) Transmission network - 3.5 KM
10	Erattupetta SWAP 2 Capex (Cr.) 8.88 O&M(Cr.) 0.44 Total cost 9.32 Cr	AMRUT 2.0- SWAP 2- CONSTRUCTION OF BOREWELL AND IMPLEMENTATION OF MINI WATER SUPPLY SCHEME AT ERATTUPETTA MUNICIPALITY	8.95	0.3700	9.3200	1) BOREWELLS-71 Nos 2) Pumping Main-22 KM. 3)PUMP HOUSE, 4) 5000 L PVC TANK AND STRUCTURE-71 Nos 5) New FHTCs-2528 Nos
11	Kochi SWAP 2 Capex (Cr.) 11.07 O&M(Cr.) 0.43 Total cost 11.50 Cr	AMRUT 2.0- SWAP-2- Replacing old and damaged 700mm primo pipe (pumping main to Karuvelippady pump house) by 700mm DI K9 pipe from Perumanoor pump house to Thevara	10.317	0.19	10.5070	1) Existing connections served in -40000 2) Replacing old and damaged lines- 2.32 km 3) Road restoration charges- Rs. 2.7 Cr.
12	Kannur SWAP 2 Capex (Cr.) 70 O&M(Cr.) 5.25 Total cost 75.25 Cr	AMRUT 2.0- SWAP-2- PIPE LINE EXTENSION, PROVIDING WATER CONNECTIONS IN VARIOUS ZONES OF KANNUR CORPORATION	69.99	5.25	75.2400	1) New FHTCs-16500 Nos. 2) New pipe lines- 142.495 KM 3) Replacement of pipe lines- 21.425 KM 4) Road restoration charges- Rs. 14.72 Cr.
13	Kasargod SWAP 2 Capex (Cr.) 11.14 O&M(Cr.) 0.11 Total cost 11.25 Cr	AMRUT- - SWAP-2- KASARAGOD MUNICIPALITY- AMRUT 2.0- 2022- 23- LAYING DISTRIBUTION SYSTEM AND PROVIDING FHTCS IN KASARAGOD MUNICIPALITY	11.14	0.4	11.5400	1) New FHTCs-2500 Nos. 2) Existing connections served in -5342 Nos 3) New pipe lines- 29.17 KM 4) Road restoration charges- Rs. 1.46 Cr.
TOTAL			203.247	13.6245	216.8715	

Deliberations:

❖ The Project-wise details were discussed as under;

- **Kottarakkara-** Secretary informed that land acquisition for around 20 cents of land is under process and can be completed shortly. The committee observed that the valuation of land has not yet started.
- **Malappuram-** KWA mentioned that ULB land is available for the construction of OHSR and WTP. Hence the Committee recommended the Project for approval.
- **Koduvally-** Chairperson, Koduvally confirmed that land will be made available shortly for the OHSR.
- **Kodungalloor-** Project recommended for approval.
- **Chavakkadu-** Project recommended for approval.
- **Kattapana-** KWA confirmed that the subject project can be taken up simultaneously with the KIFFB project. Hence, the Committee recommended the project for approval.
- **Kunnamkulam -** Project recommended for approval.
- **Ponnani-** Project recommended for approval
- **Wadakkancherry-** Project recommended for approval
- **Erattupetta-** Committee noted that the project is a Micro WSS with borewells as sources. The committee observed that other major surface water sources can be also utilized for Erattupetta ULB. The Chairperson and Secretary of Erattupetta Municipality informed that only limited funds are allocated for the ULB and with the limited funds, it would not be possible to take up a comprehensive scheme of KWA. MD KWA suggested that constructing check dams may be a better option and the feasibility of the same needs to be assessed. **The Committee suggested for carrying out a scientific assessment by Groundwater dpt., KWA, and ULB jointly on the feasibility of constructing a check dam, the feasibility of bore wells, and alternative options.**
- **Kochi –** MD KWA informed that the old & damaged premo pipe is to be replaced on MG Road, where the GAIL pipe is passing through. Hence, KWA will execute the work only if the project is owned by ULB. The Secretary of Kochi Corporation confirmed that they are ready to own the project and will get road-cutting permits. The Chair suggested studying the as-built drawings to assess the location of KWA and GAIL pipes and also to jointly visit the site by KWA, ULB, and the GAIL team before the end of February 2023.
- **Kannur-** Committee observed that the cost per household connection comes to Rs.42,000 /-. KWA informed that the provision for road restoration cost provided in the estimate is Rs. 14.72 Cr. as the proposal is for laying new lines for 142.495 KM and replacement of old pipelines for 21 KM.
- **Kasargod-** Project Recommended for approval.

Decision taken:

- ❖ The committee recommended to place all 13 Water supply projects amounting to Rs.216.872 Cr. (CAPEX - Rs.203.247 Cr. & OPEX – Rs.13.625 Cr.) before the SHPSC for issuing Administrative sanction subject to the following conditions;
 - Approval of projects from Kottarakkara and Koduvally Municipalities would be subject to the confirmation of the availability of the land for the construction of OHSRs within a week.
 - Approval of the Micro water supply scheme from Erattupetta Municipality would be subject to the scientific assessment by Groundwater dpt., KWA, and ULB jointly.
 - Approval of the project from Kochi Corporation would be subject to the joint site visit report from KWA, ULB, and the GAIL team.
- ❖ KWA was 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 was 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.
- ❖ The over and above the approved amount shall be borne by the ULBs.

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 Reports (DPRs) for the project proposed in Kollam Corporation for an amount of Rs.45.436 Cr. (CAPEX – Rs.39.043 Cr. & OPEX – Rs.6.393 Cr.) and in Kochi Corporation for an amount of Rs.193.319 Cr. (CAPEX – Rs.185.00 Cr. & OPEX – Rs.8.319 Cr.). The DPRs have 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.) and of Kochi Corporation for an amount of Rs.193.319 Cr. (CAPEX – Rs.185.00 Cr. & OPEX – Rs.8.319 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.	AMRUT 2.0-SWAP-2- Rehabilitation of existing sewerage system and extension of the 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: 6.52 Km ● Manholes ● New Connections: 3329 nos. ● Balance works of 2 pumping stations ● Road restoration works

2	Kochi Approved SWAP: CAPEX – 185.00 Cr. O&M – 8.319Cr. Total – 193.319 Cr.	AMRUT 2.0-SWAP-2- Comprehensive sewerage system in Kochi Corporation - Construction of 5 MLD STP, network and allied components at Elamkulam	185.000	8.319	193.319	<ul style="list-style-type: none"> ● New Connections: 10476 nos. ● Households covered through septage co-treatment: 22125 nos. ● Sewer Network: 39.63 Km ● Septage Co-treatment: 24 KLD ● Pumping Stations: 2 ● Manholes ● Road restoration works
TOTAL			224.045	14.712	238.755	

Deliberations:

- ❖ The Project-wise details of Kollam, Kochi, and the status of the ongoing STP project in Kureepuzha were discussed in detail.
- ❖ Regarding the co-treatment capacity for the 5 MLD STP of Kochi, MD KWA informed that the co-treatment capacity proposed at present is 24 KLD and the same will be reworked.
- ❖ The Secretary, of Kozhikode Corporation, requested for considering the Sewerage System to Kozhikode Corporation -Zone B1- Part 1 for Rs. 160 Cr for issuance of AS as the DPR is almost ready for the project. It was also pointed out that for the Urban Agglomeration project, 7 MLD Sewage Treatment Plant at Avikkalthodu and 6 MLD Sewage Treatment Plant at Kothi were shown as mandatory projects. As these projects were transferred to AMRUT 2.0, to show progress in Urban agglomeration, approval was requested for the Sewerage System to Kozhikode Corporation - Zone B1- Part 1 for issuing TS and to progress the project.
- ❖ The Committee agreed to place the proposal of Kozhikode in the SHPSC if the DPR can be submitted before 25th February 2023.

Decision taken:

The committee recommended to place 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.).**
- ❖ **Issuance of Administrative Sanction for the sewerage project proposed in Kochi Corporation for an amount of Rs.193.319 Cr. (CAPEX – Rs.185.00 Cr. & OPEX – Rs.8.319 Cr.).**
- ❖ **The over and above the SWAP amount shall be borne by the ULBs.**
- ❖ **KWA was directed to issue the TS after ensuring technical viability, justified provisions & rates, necessary clearances, provision for reuse of effluent from STPs, 5-year Operation & Maintenance, and only admissible components are included as per AMRUT guidelines.**
- ❖ **KWA was 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. 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 (Cr.)	
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	0.318	0.03	0.348	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 laying in position specified 6)Centering and shuttering including strutting 7)Handrail 8)Interlocking pavement
2	ADOOR Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT2.0-Rejuvenation of Karuvatta pond in ward 27	0.3200	0.03	0.3500	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	ADOOR Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT2.0 Rejuvenation of Mulloorkulangara pond in ward 14	0.330	0.03	0.360	1)Removing polapayal 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	ADOOR Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.01 Total Cost (Cr.)=0.11	AMRUT2.0-Rejuvenation of Valiyakulam in ward 10	0.110	0.01	0.120	1)Removing polapayal 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	ANGAMALY Approved SWAP Capex (Cr.)=0.877 O&M (Cr.)=0.05 Total Cost (Cr.)=0.927	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	GURUVAYUR Approved SWAP Capex (Cr.)=2.385 O&M (Cr.)=0.265 Total Cost (Cr.)=2.65	AMRUT 2.0 Rejuvenation of NjaramKulam of ward 32	2.385	0.265	2.650	1)Bailing out water Using 5HP Pump 2)Earth work in excavation by mechanical means 3)DRY RUBBLE MASONRY
7	KOLLAM Approved SWAP Capex (Cr.)=0.082497 O&M (Cr.)=0.004125 Total Cost (Cr.)=0.086622	AMRUT 2.0 REJUVENATION OF KOCHU KULAM in DIVISION – 24 COLLEGE DIVISION”	0.019	0.0009 3	0.020	Bailing out, Step tiles.
8	KOLLAM Approved SWAP Capex (Cr.)=0.309823 O&M (Cr.)=0.015491 Total Cost (Cr.)=0.325314	AMRUT 2.0 REJUVENATION OF MADATHIL KULAM – DIVISION – 24 COLLEGE DIVISION”	0.25100	0.0125	0.26350	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 2.0 REJUVENATION OF MADATHIL KULAM – DIVISION – 06 KUREEPUZHA WEST”	0.092	0.0046 1	0.097	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 2.0 REJUVENATION OF MOOLOTU KULAM – DIVISION – 31 PUNTHALATHAZHAM”	0.041	0.0021	0.043	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 2.0 REJUVENATION OF PUTHUVEETIL KULAM – DIVISION – 09 ANCHALUMMOODU”	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 2.0 REJUVENATION OF KOTTARALULAM AT KACHERI JN IN DIV 49	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 2.0 REJUVENATION OF PULLIYIL KULAM – DIVISION – 55 KANNIMEL”	0.087	0.0043	0.091	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 2.0 REJUVENATION OF KANNANKUALM in DIVISION – 54 ALATTUKAVU”	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 2.0 "REJUVENATION OF KALLUKULAM in DIVISION 51 - THANGASSERY"	0.085	0.0042	0.089	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 2.0 REJUVENATION OF CHIMARAKULAM – DIVISION 51 - THANGASSERY	0.112	0.0056	0.118	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 2.0 REJUVENATION OF PANIKKARUKULAM – DIVISION – 33 – MANAKKADU"	0.037	0.0018	0.039	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 2.0 REJUVENATION OF MUNNANIKULAM – DIVISION – 29 – AYATHIL"	0.057	0.0028	0.060	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
19	KOLLAM Approved SWAP Capex (Cr.)=0.029706 O&M (Cr.)=0.001485 Total Cost (Cr.)=0.031191	AMRUT 2.0 REJUVENATION OF PANCHAYATH KULAM – DIVISION – 28 – PALLIMUKKU"	0.030	0.0014	0.031	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
20	KOLLAM Approved SWAP Capex (Cr.)=0.041939 O&M (Cr.)=0.002097 Total Cost (Cr.)=0.044036	AMRUT 2.0 REJUVENATION OF KUNNADI KULAM in DIVISION –10 KADAVOOR"	0.041	0.002	0.043	Bailing out, Excavation,DR packing ,rubble masonry, Fencing.
21	KOLLAM Approved SWAP Capex (Cr.)=0.06354 O&M (Cr.)=0.003177 Total Cost (Cr.)=0.066717	AMRUT 2.0 REJUVENATION OF OLAYIL POND – DIVISION 12 - THEVALLY"	0.064	0.0031	0.067	Bailing out, Excavation,DR packing ,rubble masonry, Fencing, Fixing of GI mesh
22	KOLLAM Approved SWAP Capex (Cr.)=0.452828 O&M (Cr.)=0.022641 Total Cost (Cr.)=0.475469	AMRUT 2.0 REJUVENATION OF CHIRAKKARA POND in DIVISION – 11 - MATHILIL"	0.453	0.0226	0.476	Bailing out, Excavation,DR packing ,rubble masonry, Fencing, Fixing of GI mesh
23	KOLLAM Approved SWAP Capex (Cr.)=0.059349 O&M (Cr.)=0.002967 Total Cost (Cr.)=0.062316	AMRUT 2.0 REJUVENATION OF CHALIL KULAM AT NEERAVIL IN DIV 08	0.063	0.0031	0.066	Bailing out, Excavation,DR packing ,rubble masonry, Fencing, Fixing of GI mesh
24	KOLLAM Approved SWAP Capex (Cr.)=0.06683 O&M (Cr.)=0.003341 Total Cost (Cr.)=0.070171	AMRUT 2.0 REJUVENATION OF MAMOOTTIL KADAVU POND – DIVISION – 06 – KUREEPUZHA EAST"	0.066	0.0032	0.069	Bailing out, Excavation,DR packing ,rubble masonry, Fencing, Fixing of GI mesh

25	KOLLAM Approved SWAP Capex (Cr.)=0.076366 O&M (Cr.)=0.003818 Total Cost (Cr.)=0.080184	AMRUT 2.0 REJUVENATION OF EDAMANAKAVU POND in DIVISION – 3 MEENATHUCHERI”	0.071	0.0035	0.075	Bailing out, Excavation,DR packing ,rubble masonry, Fencing, 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	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- REJUVINATION OF- THRIKKANNAMANGAT TEMPLE POND . WARD 14	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"REJUVENATI ON OF- NEELESWARAM.LIBRAR Y 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 VEETIL 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	AMRUT2.0REIUVINATIO N 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	0.071	Bailing out
33	KOZHICODE Approved SWAP Capex (Cr.)=0.23 O&M (Cr.)=0.023 Total Cost (Cr.)=0.253	AMRUT2.0 Rejuvenation of Valiya Parambukulam	0.230	0.023	0.253	1.Silt removal 2.Excavation of foundation 3.Bailing out 4.Dryrubble mascnory-sidewall construction, compound wall etc
34	KOZHICODE 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	KOZHICODE 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	KOZHICODE 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	0.330	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	1.100	1.Dry rubble masonry -952Cum 2.Pumping and bailing out slush 3.Centering and 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	0.193	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	0.250	1. CC 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	0.310	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 - REJUVENATION OF NARAMKULANGARA POND IN NILESHWARAM MUNICIPALITY	0.250	0	0.250	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	0.110	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	0.330	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 MannoorShivakshethra 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	0.110	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	0.110	1.Dry rubble masonry in 2.75 m height proposed in all side of the pond with 2.suitable Top and Middle belt. Handrail 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	0.010	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 Kudivellapadhathi 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, 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 grass and 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 Aasirimakkal Pond Division 27	0.016	0.0016	0.018	Pumping or bailing out water, cleaning and desilting of pond,DR masonry and top belt 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	0.017	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	0.042	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	AMRUT 2.0 REJUVENATION OF Vaakathinal Modippuram Kulam 27	0.071	0.0014	0.072	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	0.062	Widening, Removal of Waste, Side Protection, Clearing the water Tow, Removing Algae, Sit, Landslides 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	0.052	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	0.104	Widening. Removal of Waste, Side Protection, Clearing the water Now, Removing Algae. Slit. Land Siden 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	0.032	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	0.062	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 ChonekkattuKulam in Division 2	0.102	0.002	0.104	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	0.052	Pond renovation, DR packing under Foundation, Widening, Removal of Waste, Side Protection, Clearing the water flow, Removing Algae, Silt, Landslides 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	0.052	water body rejuvenation at pandasam municipally- Widening, Removal of Waste Side Protection, Clearing the water flow: Removing Algae. 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 CheruvallikuzhiKulam	0.051	0.001	0.052	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	0.104	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 SasthaKshethra Kulam in Ward 33	0.102	0.002	0.104	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	0.104	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	0.550	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 Rejuvenation of sreenarayana ambalam kshethrakulam	0.150	0.0075	0.158	1.Rejuvenation
72	THIRUVALLA Approved SWAP Capex (Cr.)=0.2 O&M (Cr.)=0.05 Total Cost (Cr.)=0.25	AMRUT2.0 Rejuvenation of uthramelkshetrakulam	0.438	0.0219	0.460	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. Rejuvenation of sreevallabhakshethrakulam	0.250	0.0125	0.263	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	AMRUT 2.0.Rejuvenation of Thaikulam	0.177	0.0082	0.185	"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	AMRUT 2.0.Rejuvenation of public pond in ward 24	0.125	0.0012	0.126	1.demolishing and reconstructing 17metres 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	0.158	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	AMRUT 2.0.Rejuvenation of Kulathinkara pond	0.439	0.0219 5	0.461	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 O&M (Cr.)=0.1 Total Cost (Cr.)=0.5	AMRUT 2.0.Rejuvenation of chandathodu	0.500	0.025	0.525	1.renovating the existing water parkbuilding as well as removing the polapayalupto 200 metre of length. 2.demolishingand 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	0.410	RENOVATION 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	0.420	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 of Venchalikappu	0.700	0.02	0.720	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	"AMRUT 2.0 Rejuvenation of IllathThazhe Pond in Vatakara Municipality"	0.300	0.02	0.320	1.RENOVATION OF POND 2. DRAINAGE
83	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.2 O&M (Cr.)=0.05 Total Cost (Cr.)=0.25	AMRUT 2.0-Rejuvenation of Mookambi pond in North paravoor Municipality	0.237	0.05	0.287	1.Retaining wall 2.DR Masonry 3.Handrail
84	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.05 Total Cost (Cr.)=0.15	AMRUT 2.0 - REJUVENATION OF PALA KULAM POND IN NORTH PARAVOOR MUNICIPALITY	0.100	0.05	0.150	1.Earth work in excavation 2.Stainless steel railings 3.DRY RUBBLE MASONRY
85	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.2 O&M (Cr.)=0.05 Total Cost (Cr.)=0.25	AMRUTH2.0 - REJUVENATION OF PERUVARAM TEMPLE POND- EAST SIDE IN NORTH PARAVOOR MUNICIPALITY	0.2196	0.05	0.2696	1.Earth work in excavation 2.Stainless steel railings 3.DRY RUBBLE MASONRY 4.Clearing and cleaning 5.PVC weep hole
86	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.1 O&M (Cr.)=0.05 Total Cost (Cr.)=0.15	AMRUT 2.0- REJUVENATION OF THONNIYAKAVU TEMPLE POND- IN NORTH PARAVOOR MUNICIPALITY	0.100	0.05	0.150	1.Earth work in excavation 2.DRY RUBBLE MASONRY 3.Bailing out,Clearing and cleaning
87	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.15 O&M (Cr.)=0.05 Total Cost (Cr.)=0.2	AMRUTH 2.0 - REJUVENATION OF PERUVARAM TEMPLE POND - WEST SIDE IN NORTH PARAVOOR MUNICIPALITY	0.150	0.05	0.200	1.Earth work in excavation 2.DRY RUBBLE MASONRY 3.Bailing out,Clearing and cleaning

88	NORTH PARAVOOR Approved SWAP Capex (Cr.)=0.05 O&M (Cr.)=0.05 Total Cost (Cr.)=0.1	REJUVENATION OF KOTTAMKULAM POND IN NORTH PARAVOOR MUNICIPALITY	0.050	0.05	0.100	1.Earth work in excavation 2.DRY RUBBLE MASONRY .3.Bailing out,Clearing and cleaning
89	KALAMASSERY Approved SWAP Capex (Cr.)=0.3 O&M (Cr.)=0.03 Total Cost (Cr.)=0.33	AMRUT 2.0- REJUVENATION OF VALIYAKULAM	0.4796	0.03	0.5096	1..EARTH WORK EXCAVATION OF MARSHY SOIL 2.BAILING OUT WATER PUMP 3..DR MASONARY 4.RING BUND TYPE2 5.GARDON WALL,COMPOUND WALL 6.PVC WEEP HOLE
90	VAIKOM Approved SWAP Capex (Cr.)=0.7 O&M (Cr.)=0.0175 Total Cost (Cr.)=0.7175	AMRUT 2.0-Deepening of tributaries of Andhakarathodu in Vaikom Municipality	0.700	0.0175	0.7175	clearing jungle, Earth work excavation, Engaging man, Demolishing brick work, D.R. Masonry, R.R. Masonry, PCC 1:2:4,
91	VAIKOM Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0.00625 Total Cost (Cr.)=0.25625	AMRUT 2.0--Deepening of PerinchillaThodu in Vaikom Municipality	0.250	0.0062	0.2562	Clearing jungle, Earth work excavation
92	CHANGANASSERY (M) Approved SWAP Capex (Cr.)=0.25 O&M (Cr.)=0.01 Total Cost (Cr.)=0.26	AMRUT 2.0-Rejuvenation of MoosariParakkulam at Changanassery Municipality	0.250	0.01	0.260	1.Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt 5.Acess maintenance
93	CHANGANASSERY (M)Approved SWAP Capex (Cr.)=0.143 O&M (Cr.)=0.007 Total Cost (Cr.)=0.15	AMRUT 2.0-Rejuvenation Of Vasudevapuram Temple Pond at Changanassery Municipality	0.143	0.007	0.150	1.Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt
94	CHANGANASSERY (M)Approved SWAP Capex (Cr.)=0.6 O&M (Cr.)=0.02 Total Cost (Cr.)=0.62	AMRUT 2.0 -Rejuvenation of Chithrakkulam in Changanassery Municipality	0.600	0.02	0.620	1.Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt
95	CHANGANASSERY (M)Approved SWAP Capex (Cr.)=0.005 O&M (Cr.)=0.05 Total Cost (Cr.)=0.055	AMRUT 2.0-Rejuvenation of Thirumala Temple pond in Changanassery Municipality	0.050	0.005	0.055	1.Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt 5.Fencing
96	CHANGANASSERY (M) Approved SWAP Capex (Cr.)=0.61 O&M (Cr.)=0.04 Total Cost (Cr.)=0.65	AMRUT 2.0-Rejuvenation of Narikkulam in Changanassery Municipality	0.610	0.04	0.650	1.Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt
	TOTAL		21.065	1.589	22.654	

Decision taken:

The Project-wise details were discussed in detail by the committee and recommended to place the following to the SHPSC:

- ❖ **Issuance of Administrative Sanction for 96 Rejuvenation of Water Body projects proposed amounting to Rs.22.654 Cr. (CAPEX – Rs.21.065 Cr. & OPEX - Rs.1.589 Cr.) subject to the following;**
 - The projects should be Geotagged.
 - ULBs to ensure that the benefit of all the projects including temple pond rejuvenation projects should reach the public.
 - AMRUT project information board shall be placed on the side of the Ponds.
 - The Committee directed ULBs to ensure that other Central/ State funds are not utilized for the project components included in the proposed projects under AMRUT 2.0.
- ❖ **The over and above the SWAP amount shall be borne by the ULBs.**
- ❖ **ULBs were directed to issue the TS after ensuring the following;**
 - The projects are Geotagged.
 - Other Central/ State fund is not utilized for the project components included in the proposed projects
 - Technical viability, land availability, justified provisions & rates and mandatory clearances.
 - 5-year Operation & Maintenance and only admissible components are included as per AMRUT guidelines.
- ❖ **ULBs were 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.**
- ❖ **The Committee observed that many temple ponds were selected for water body rejuvenation. ULBs were directed to ensure that the benefit of such rejuvenation projects reach the public.**

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 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) Earnst& 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 Consultant Selection Committee(CSC) meeting of PDMC held on 30.1.2023 and 02.02.2023 concurred with the following findings in the bid evaluation report submitted. The financial analysis was done as per the guidelines issued for selection of Consultants under RFP document dated 23.08.2022.

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**

1. 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 as per the method of selection given in the Data sheet (Part II of Section 2 of the RFP document dated 23.08.2022).
2. 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.

3. 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

4. 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 x III + 0.3 x 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

In view of the scope of works under Section 5- Terms of Reference under approved RFP dated 23.08.2022.,the Consultant Selection Committee analyzed the present status of the activities to be carried out by the selected PDMC and also in view of the Clause 16 in Part I of Section 2 and method of selection given in the Data sheetof the RFP document, the CSC meeting 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.**

Deliberations:

The Committee analyzed the financial bid evaluation report, the recommendation of the CSC of PDMC, and the present status of the activities to be carried out by the selected PDMC in detail and deliberated as under;

- ❖ The Committee noted that the CSC of PDMC has recommended for conducting financial negotiations with the H1 bidder- URS Scott Wilson India Pvt. Ltd. In JV with AECOM India Pvt. Ltd., in line with the conditions laid down in the RFP document, and also recommended that 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.
- ❖ The Committee observed that the strengthening of in-house experts by forming district units and appointing experts in SMMU and CMMUs is in progress and which could replace the functions of a PDMC.
- ❖ The Committee also observed that a major chunk of AMRUT 2.0 projects are being undertaken by KWA, and PDMC would have no role in implementation of KWA projects.
- ❖ A substantial quantum of work under the scope of PDMC has also been already done without the aid of PDMC.

Decision taken:

- ❖ **The Committee decided to place the above recommendation of the Tender Evaluation Committee to the SHPSC with the following recommendations:**
 - The strengthening of in-house experts by forming district units and appointing experts in SMMU and CMMUs is in progress which could replace the functions of a PDMC. This may be given preference to onboarding PDMC.
 - If SHPSC decides to proceed with the PDMC selection, the conditions prescribed by the evaluation committee may be followed.

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 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 (SHPS) of AMRUT.

Decision taken:

The committee recommended the following to the SHPS:

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

Deliberations:

- ❖ The Committee analyzed the unutilized funds in each ULB for water supply and Sewer/ septage projects. Committee noted that Palakkad ULB has not taken any initiative to formulate Sewerage projects. ULB was strictly informed that the allocated fund will be re-appropriated to other ULBs in need if they fail to formulate and submit proposals on the portal before 15th March 2023.

Decision taken:

- ❖ **The committee directed ULBs to submit the DPRs for all approved projects (SWAP-1 & 2) before 15th March 2023 and also to formulate projects and submit the SWAP-3 proposals on the AMRUT-2.0 portal before 15th March 2023. Otherwise, the allocated fund would be re-appropriated to other ULBs in need.**

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.

Deliberations:

- ❖ The Chief Town Planner informed that due to the constraints in the availability of adequate manpower and infrastructure in the Department, the preparation of Master Plans for all 49 cities, is proposed to be outsourced through consultants. The SAP has been submitted to GOI as well.
- ❖ The EMDs, processing fee and such other amounts under the scheme may have to be submitted by the Outsourcing Consultants, and therefore, for maintaining the same, a savings bank account in the name of the Nodal Officer (Chief Town Planner (Planning) is to be opened.

Decision taken:

- ❖ **The committee recommended 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.**

Additional Agenda Item No. 01: To entrust the IMPACT KERALA with the task of implementing STP/FSTP schemes for the ULBs that are unable to do so far.

The Mission Director presented the additional agenda to entrust the IMPACT KERALA with the task of implementing STP/FSTP schemes for the ULBs that are unable to do so far as follows;

Liquid waste treatment plants were envisaged in 9 cities of Kerala under the AMRUT scheme. But most of them could not be implemented due to various reasons such as public protest, not being able to find a suitable place, lack of interest of the people's representatives, lack of experienced persons in this field etc. Many municipalities are also reluctant to undertake such projects.


If the assistance of an SPV is available to take up projects in such municipalities, the current hurdles can be overcome. AMRUT 1.0 is in a situation of losing a good percentage of central assistance in the sewage/septage sector. Hence, AMRUT 2.0 requires much caution to avoid such a situation. As per the G.O. (Rt) 3234/2017/LSGD dtd 06/10/2017, IMPACT KERALA Ltd was set up to implement major

infrastructure projects of municipalities funded by KIIFB. AMRUT 2.0 projects can be completed on time if IMPACT Kerala's assistance is available for the implementation of such projects.

Decision taken:

- ❖ **The Committee decided to place the matter before the SHPSC to entrust IMPACT KERALA LTD, with the implementation of AMRUT STP/FSTP projects of ULBs that are unable to do it**


**Mission Director
AMRUT**


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List of Participants

1. Smt. Suhra Abdul Khader, Chairperson, Erattupetta Municipality
2. Sri. Abdu Vellara, Chairman, Koduvally Municipality
3. Smt. Sharmila Mary Joseph IAS, Principal Secretary, LSGD
4. Sri. Venkateshpathi S IAS, Managing Director, Kerala Water Authority
5. Sri. Ashok Kumar Singha IAS, Secretary, Water Resources Department
6. Sri. Arun.K.Vijayan, Mission Director, AMRUT
7. Smt. Deepa.S. Joint Secretary, Finance Department
8. Sri. Jayaraj.P. Chief Engineer, WASCON
9. Sri.G. Sreekumar, Technical Member, KWA, TVPM
10. Sri. Johnson, Chief Engineer, LSGD
11. Sri.AlexVarghes, Chief Engineer, Irrigation Department
12. Sri. Prasanth.H, Chief Town Planner (Planning), Thiruvananthapuram
13. Sri. Ansar.M., Deputy Chief Engineer (Vigilance), Office of CE, PWD
14. Sri. Jayachand, Micro Biologist, State Public Health Lab, TVPM
15. Sri. Babu Abdul Khader, Secretary, Kochi Corporation
16. Sri.Sajeev.P.K., Secretary, Kollam Corporation
17. Sri.Rahesh Kumar, Secretary, Thrissur Corporation
18. Smt. Bini.K.U, Secretary, Kozhikode Corporation
19. Smt. Beena.S.Kumar, Secretary, Guruvayur Corporation
20. Smt. B. Neethu Lal, Secretary, Alappuzha Corporation
21. Sri. Manikandan, Superintending Engineer, PH Circle, KWA, Kannur
22. Dr.P.Gireesan, Superintending Engineer, PH Circle, KWA, Kozhikode
23. The Superintending Engineer, PH Circle, KWA, Thrissur
24. The Superintending Engineer, Project Division, KWA, Kochi
25. Sri. Sudheer, Executive Engineer, Project Division, KWA, Kattappana
26. Sri. Upendran.V.V, Municipal Engineer, Nileswaram Municipality
27. Representative of Director, Centre for Management Development
28. The Secretaries of Municipalities