

9th STATE LEVEL TECHNICAL COMMITTEE (SLTC)

ATAL MISSION FOR REJUVENATION & URBAN TRANSFORMATION

(AMRUT 2.0)

AGENDA



Date: 14.06.2023 at 04.00 PM

VENUE: MEETING THROUGH VIDEO CONFERENCING



Local Self Government Department, Government of Kerala

INDEX

Agenda Item No.	Topic	Page No.
9.1	APPROVAL OF MINUTES OF THE 8 th MEETING OF SLTC.	4
9.2	ACTION TAKEN REPORT ON THE DECISIONS OF THE 8 th SLTC MEETING OF AMRUT 2.0.	4
9.3	PROGRESS OF AMRUT 2.0.	6
9.4	ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS EXECUTED BY KWA IN KODUVALLY MUNICIPALITY	9
9.5	ADMINISTRATIVE SANCTION FOR MICRO WATER SUPPLY PROJECTS DIRECTLY EXECUTED BY THE ULB .	10
9.6	ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS DIRECTLY EXECUTED BY THE THRISSUR ULB	16
9.7	ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2	17
9.8	IRINJALAKUDA MUNICIPALITY -REPLACEMENT OF WATER SUPPLY PROJECT EXECUTED BY KWA- <i>MINI WATER SUPPLY SCHEME TO WARD 1 AND 2</i>	20
9.9	IRINJALAKKUDA MUNICIPALITY- REVISD AS FOR THE PROJECT- <i>AMRUT 2.0- PROVIDING HOTLINE FROM MANGADIKKUNNU WTP TO WARDS 23 AND 32 OF LRINJALAKUDA MUNICIPALITY, STRENGTHENING OF OLD AC AND PVC PIPES BY REPLACING THEM WITH NEW PE/PVC PIPES. AND PROVIDING 200 NUMBERS OF FHTCS .</i>	20
9.10	PATHANAMTHITTA MUNICIPALITY- REVISD AS FOR THE PROJECT- <i>AMRUT - 2.0- CITY WATER ACTION PLAN - STRENGTHENING OF WATER SUPPLY SCHEME- LAYING RAW WATER & CLEAR WATER PUMPING MAIN, CONSTRUCTION OF 10 MLD WTP, SUPPLY AND INSTALLATION OF PUMP SETS, TRANSFORMER</i>	23

Agenda Item No.	Topic	Page No.
9.11	ERATTUPETTA MUNICIPALITY- PROPOSAL SUBMITTED BY THE KERALA WATER AUTHORITY.	24
9.12	APPROVAL TO HIRE ADDITIONAL SPACE FOR SMMU, AMRUT	26
9.13	RECONSTITUTION OF CONSULTANT EVALUATION COMMITTEE FOR PDMC:	27
9.14	MANDATORY REFORMS-SUBMISSION OF DETAILS ON THE AMRUT 2.0 PORTAL:	29
9.15	PROJECT MANAGEMENT SOFTWARE FOR AMRUT PROJECT MONITORING.	30

Agenda Item No.9.1:APPROVAL OF MINUTES OF THE 8th MEETING OF SLTC

The minutes of the 8th SLTC meeting of AMRUT 2.0 held on 10th May 2023 is enclosed as **Annexure –1**.

Decision to be Taken: The Committee may approve the minutes of the 8th SLTC meeting of AMRUT 2.0.

Agenda Item No.9.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 8th SLTC MEETING OF AMRUT 2.0

Agenda Item No. 7.2: ADMINISTRATIVE SANCTION FOR 11 WATER SUPPLY PROJECTS APPROVED UNDER 1st AND 2ND TRANCHES OF SWAP

8th SLTC Decision:

- KWA was asked to explore the possibility on whether common components of the Malankara based Neelur JJM scheme can be utilized for meeting water requirements of **Erattupetta Municipality**, as there is no sustainable water resources in that area. An estimate with essential components to be furnished to AMRUT.
- KWA was also instructed to submit a report to the Ministry of Jal Shakti informing the same.

Action Taken:

The proposal submitted by the KWA has been placed as an Agenda point in this meeting.

Agenda Item No.7.3: ADMINISTRATIVE SANCTION FOR THE SEWERAGE PROJECT OF KOLLAM & KOCHI CORPORATIONS (SWAP-2):

8th SLTC Decision:

- KWA has agreed to issue the Technical Sanction for the Kollam sewerage project by 15th May 2023 and for the Kochi sewerage project by 25th May 2023.

Action Taken:

Technical Sanction for the Kollam Sewerage project issued. TS for Kochi sewerage project is yet to be issued.

Agenda Item No. 7.8: OPENING OF SEPARATE BANK ACCOUNT FOR MAINTAINING THE EARNEST MONEY DEPOSIT (EMD) AND PROCESSING FEE AT SNA:

8th SLTC Decision:

- The Local Self Government Department (LSGD) has been instructed by the Committee to expedite the issuance of the Government Order (GO).

Action Taken:

The Government Order is awaited.

Agenda Item No. 7.9: To entrust the IMPACT KERALA with the task of implementing STP/FSTP schemes for the ULBs that are unable to do so far.

8th SLTC Decision:

- The Committee instructed to verify the resource availability in IMPACT Kerala before assigning the work to them and to communicate with the Director of Urban Affairs for enhancing the capacity of IMPACT KERALA for this purpose.

Action Taken:

Vide letter No.CBE/SMMU/AMRUT 2.0 12021 dated 25.5.2023, the Director of Urban Affairs was requested to take steps to enhance the capacity of IMPACT KERALA for this purpose.

Agenda Item No.8.4: ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS APPROVED UNDER 1st AND 2ND TRANCHES OF SWAP

8th SLTC Decision:

The committee recommended the following to the SHPSC;

- The committee directed to schedule a separate meeting with the DPR consultant for a detailed review of Micro Water supply schemes for Kothamangalam ULB.

Action Taken:

Micro Water supply schemes proposals for Kothamangalam ULB will be presented before this Committee.

Agenda Item No.8.8: O&M STRATEGY FOR STPS PROPOSED BY KWA UNDERAMRUT

8th SLTC Decision:

- The Committee reviewed the current Operation & Maintenance plan for Muttathara STP and the suggested strategies.
- The Committee instructed KWA to calculate and report the revenue recovery based on the latest approved rates of Sewer charges to the Committee.

Action Taken:

The report is being worked on by the KWA.

Agenda Item No.8.9: STATUS OF SELECTION OF PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC)

8th SLTC Decision:

- The Committee decided to approve the cancellation of the ongoing tender process of PDMC after detailed deliberation.

- The committee reviewed the revised scope of works of PDMC and suggested for incorporating the task of preparation of DPRs for Sewerage & Septage projects in AMRUT cities.
- The Committee instructed the Mission Director AMRUT to prepare the revised scope of work and the revised RFP for the PDMC and to seek approval from the Government for retendering.

Action Taken:

The revised Scope of work and revised RFP have been submitted to the Government for approval on 27.05.2023.

Agenda Item No. 8.11: APPROVAL TO HIRE ADDITIONAL SPACE FOR SMMU, AMRUT

8th SLTC Decision

- The Committee instructed the Mission Director AMRUT to estimate the space requirements as per the PWD norms and report to the next SLTC.
- the Committee recommended the rent rate of Rs.376.6 / Sqm, which amounts to Rs.89,766 /- per month. for the additional space of 202 sq m for SMMU in the same building where SMMU is working and also to arrange the necessary modification works.

Action Taken:

The space requirement as per the PWD norms is included as an Agenda point for this meeting.

Agenda Item No.9.3: PROGRESS OF AMRUT 2.0

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is 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).

9.3.1. PROJECT PROGRESS(Tranches 1&2)

Description		TOTAL		WATER SUPPLY-KWA		Micro Water Supply/ WS by ULB		Water Body		SEWERAGE/ SEPTAGE	
		No.	CAPEX	No.	CAPEX	No.	CAPEX	No.	CAPEX	No.	CAPEX
Total Number of projects		489	2475.313	179	1851.461	29	57.953	255	76.267	26	489.632
AS status	issued	283	1748.9333	162	1398.238	0	0	96	21.063	25	329.6323
	to be issued	206	726.38	17	453.223	29	57.953	159	55.204	1	160.00
DPR status	Ready for issuing the AS	159	525.96	12	287.32	13	35.079	133	43.564	1	160.00
	Not ready	47	200.42	5	165.903	16	22.874	26	11.64	0	0.00
TS status	issued (incl WS sub projects-51 SEW sub projects- 9 Nos)	271	1075.96	161	920.493	0	0	83	13.834	27	141.63
	to be issued	73	672.97	52	477.745	0	0	13	7.229	8	188.00
NIT status	issued (incl WS sub projects-51 SEW sub projects- 9Nos)	234	1021.63	153	870.477	0	0	54	9.519	27	141.63
	TS issued but NIT to be issued	37	54.33	8	50.016	0	0	29	4.315	0	0.00
Award status	Awarded (incl WS sub projects-51 SEW sub projects- 9 Nos)	58	191.5829	24	172.1506	0	0	17	2.8	17	16.6323
	NIT issued but Not awarded	176	830.05	129	698.3264	0	0	37	6.719	10	125.00
Water supply- 213 sub projects											
Sewerage- 36 sub projects											

9.3.2 WATER SUPPLY- STATUS OF PENDING DPR (Tranche -1&2- 21 Nos.(KWA-5, ULB-16)

LIST OF WS DPRs NOT SUBMITTED AS ON DATE [KWA-5, ULB-16]				
Sl. No.	ULB	Project Name	CAPEX (Cr.)	STATUS
KWA projects				
1	IRITTY	HH conection in various wards in Iritty Municipality	11.350	KWA informed that AMRUT fund may not be required as the comprehensive scheme will be taken up under KIIFB. #8th SLTC decided to reallocate the fund.
2	MATTANNUR	Providing Individual Water Connection in All wards in Mattannur Municipality	13.378	KWA informed that AMRUT fund may not be required as the comprehensive scheme will be taken up under KIIFB. #8th SLTC decided to reallocate the fund.
3	THIRUVANA NTHAPURAM	FIFN - Laying of HDPE pipe from Aruvikara to Peroorkada and construction of 10 MLD sump at peroorkada	94.93	DPR for an alternate project for 65.45 Cr. prepared by KWA. # Pending with ULB.
4	Erattupetta	Substituted project yet to be finalized	8.876	Proposal for Rs. 128 Cr. submitted by KWA
5	THRISSUR	Substituted project	15	6 projects worth 42.94 Cr. received as a substituted project for Rs. 58 Cr. 1 KWA Project for 10 Cr.Reccomendation from KWA HQ is awaited. Pending- 1 KWA PROJECT- 5.06 Cr.
		TOTAL	143.534	
WS/ Micro WSS being directly undertaken by ULBs				
6	Sreekandapuram	1) Payattuchal DWSS- cancelled 2) Nedyenga PHC DWSS 3)MADAMPAM DWSS 4)Nedyenga Suvarnadhara DWSS	9.729	DPRs submitted by CWRDM is incomplete. DPRs are under revision by CWRDM.
7	Wadakkancherry	1) Chathanchira Drinking Water Scheme for ward no 11,12,13 and 14. 2) Neeliara Drinking water scheme 3) pathazhakundu drinking water scheme.	16.075	DPRs are under preparation by CWRDM.
8	Neeleswaram	1) DRINKING WATER SUPPLY SCHEME IN PALAYI AREA. 2) DRINKING WATER SUPPLY SCHEME AT PEROLE AREA . 3) DRINKING WATER SUPPLY SCHEME IN THAIKADAPPURAM AREA. 4) DRINKING WATER SUPPLY SCHEME IN IDICHUDI AREA 5) DRINKING WATER SUPPLY SCHEME IN SUVARNAVALLY AREA. 6) DRINKING WATER SUPPLY SCHEME IN NEELAYI AREA . 7) DRINKING WATER SUPPLY SCHEME IN KIZHAKKEKARA AND	12.25	DPRs submitted by CWRDM is incomplete. DPRs are under revision by CWRDM.

		KADINHIKUZHI AREA.		
9	Kanhangad	Development for existing Vaazhunnoradi Drinking Water Scheme	5	DPR is under preparation by SEUF..
10	PANUR	AMRUT 2.0-Water Supply Scheme to Kakkayapurathu Ward 25in Panoor Municipality.	0.28	4/5 MWSS project reports found in place.
		TOTAL	43.334	

Decision to be Taken:

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

Agenda Item No.9.4: ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS EXECUTED BY KWA IN KODUVALLY MUNICIPALITY:

The SHPSC in it's 5th Committee meeting deferred the approval of the water supply project of Koduvally Municipality- *AMRUT-II-WSS to Koduvally Municipality in Kozhikode District: -Providing Functional Household Tap Connection & Construction of 10 LL Ground Level Service Reservoir amounting to Rs.15.214 Cr. (CAPEX – Rs. 14.38Cr. & OPEX – Rs.0.834 Cr.),* until the land for the Service reservoir was confirmed to be available. Now the Secretary, Koduvally Municipality has reported in letter No. P1/G1/8110/2021 dated 13.6.2023 (**Annexure-2**) that the land acquisition procedures as per the Municipality Act 2000 has been completed for the 15 cent land required for the proposed tank.

The project aimed to provide

- 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

DPR has been scrutinized by the KWA Headquarters and recommended for approval. (**Detailed list is enclosed as Annexure-3**).

Decision to be taken:

The committee may recommend the following to the SHPSC:

- *Issuance of Administrative Sanction for water supply project of Koduvally Municipality-AMRUT-II-WSS to Koduvally Municipality in Kozhikode District: -Providing Functional Household Tap Connection & Construction of 10 LL Ground Level Service Reservoir amounting to Rs.15.214 Cr. (CAPEX – Rs. 14.38Cr. & OPEX – Rs.0.834 Cr.)*
- **The TS shall be issued by KWA only after meeting the following conditions:**
 - **The project is technically feasible and has a reliable water source.**

- The provisions and rates are justified and in accordance with AMRUT guidelines.
 - The necessary clearances from the relevant authorities are obtained.
 - The project includes a 5-year Operation & Maintenance plan and only admissible components as per AMRUT guidelines.
- The Central Assistance for urban development projects should not cover the costs of Operation & Maintenance, Supervision charges, or the Value of land/ structures required for the project development. These costs should be borne by the State/ ULB fund if they are unavoidable.

Agenda Item No.9.5: ADMINISTRATIVE SANCTION FOR MICRO WATER SUPPLY PROJECTS DIRECTLY EXECUTED BY THE ULB APPROVED UNDER 1ST AND 2ND TRANCHES OF SWAP:

Under the 1st and 2nd Tranches of the State Water Action Plan, 29 Water supply/ Micro water supply projects amounting to Rs. 58 Cr. directly executed by 7 Urban local bodies were approved.

As of now, detailed project reports for 14/29 Water Supply/ Micro water supply projects were received from three ULBs.

Detailed project reports for 12 Micro water supply projects were received from ULBs of Kothamangalam (DPR prepared by Rajagiri College) and Panoor (DPR prepared by Kotoor Society are in place. Kothamangalam (Ernakulam District) and Panoor Municipalities (Kannur dist) have submitted 8 and 4 Micro WS projects respectively. For Kothamangalam the total cost required is **Rs. 8.831 Cr. (CAPEX: Rs. 8.41 Cr. and OPEX: Rs. 0.425 Cr.)** and for Panoor the total cost required is **Rs. 2.816 Cr.(CAPEX: Rs. 2.681Cr., OPEX: Rs. 0.135 Cr.)**, totaling **Rs. 11.647 Cr (Capex: Rs. 11.091Cr. OPEX: Rs. 0.556 Cr)** for Micro Water Supply Projects.

Kothamangalam Municipality

Kothamangalam Municipality has submitted 8 Micro Water supply project proposals costing **Rs.8.41 Cr.**

Major Components proposed:

- **Micro Water supply schemes in Kothamangalam Municipality- 8 Nos (Source- Well and Pond).**
- **Source Augmentation – 5.05 lakh liters**
- **Construction of 8 new intake well and pump houses.**
- **New distribution network- 32.67 KM**
- **Total households benefited – 1413**

An excess amount of Rs. 2.91 Cr. is required (Allocated fund- Rs. 7.99 Cr. 1 KWA (2.49 Cr.) & 8 MWSS projects (8.41 Cr.)- Total- Rs. 10.90 Cr.). 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.

Panoor Municipality:

Panoor Municipality has submitted 5 DPR and the source of one at ward number: 25 seems to be with inadequate source. Hence, the remaining 4 DPRs are considered for submission. The total amount/cost for four projects is Rs. 2.681 Cr. (Capex: Rs. 2.681 Cr., OPEX: Rs. 0.135 Cr.).

Major components proposed:

Micro water supply schemes in Panoor Municipality – 4 numbers (Source: 1. Existing open well and 3 New intake wells.

- **Source augmentation: 2.16 LL**
- **Construction of 3 new intake wells and pump house and existing one open well for which pump house needs to be constructed.**
- **New distribution Network: 15.75kms**
- **Total Household benefitted: 600 HH Benefitted.**

Detailed list is enclosed as **Annexure-4.**

SI No.	ULB(Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
1	KOTHAMANGAL AM SWAPI Capex (Cr.) -1.42 O&M (Cr.) - 0.075 Total Cost - 1.49	AMRUT 2.0- Ward-12: Valiyapara Drinking Water Project	1.42	0.071	1.49	1) New intake well and pump house. 2)pumping system. 3)service reservoir. -1 LL 4) distribution network-5.51 KM 5) FHTCs - 257 Nos
2	KOTHAMANGAL AM SWAPI Capex (Cr.) - 0.71 O&M (Cr.) - 0.036 Total Cost - 0.746	AMRUT 2.0- Ward-27: Vilayal Drinking Water Project	0.71	0.036	0.746	1)New intake well and pump house. 2) pumping system. 3)service reservoir. -0.25 LL 4) distribution network-2 KM 5) FHTCs - 122 Nos

SI No.	ULB(Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
3	KOTHAMANGAL AM SWAP1 Capex (Cr.) -0.97 O&M (Cr.) - 0.049 Total Cost – 1.019	AMRUT 2.0- Ward-23: Puthuppady Drinking Water Project	0.97	0.049	1.019	1)New intake well and pump house. 2) pumping system. 3)service reservoir. -0.75 LL 4) distribution network-3.86 KM 5) FHTCs- 174 Nos
4	KOTHAMANGAL AM SWAP1 Capex (Cr.) – 1.35 O&M (Cr.) – 0.068 Total Cost – 1.418	AMRUT 2.0- Ward-06: Ayyappanmudy Drinking Water Project	1.35	0.068	1.418	1)New intake well and pump house. 2)pumping system. 3)service reservoir. -0.7 LL 4) distribution network- 5.965 KM 5) FHTCs-- 169 Nos
5	KOTHAMANGAL AM SWAP1 Capex (Cr.) – 1.5 O&M (Cr.) - 0.075 Total Cost -1.575	AMRUT 2.0- Ward-25: South Venduvazhy Drinking Water Project	1.5	0.075	1.575	1)New intake well and pump house. 2)pumping system. 3)service reservoir.-1 LL 4)distribution network-4.71 KM 5) FHTCs-- 269 Nos
6	KOTHAMANGAL AM SWAP1 Capex (Cr.) - 1.66 O&M (Cr.) - 0.083 Total Cost - 1.743	AMRUT 2.0- Ward-3&4: Karingazha Drinking Water Project	1.66	0.083	1.743	1)New intake well and pump house. 2)pumping system. 3)service reservoir.-1 LL 4)distribution network-7.55 KM 5) FHTCs- 270 Nos

SI No.	ULB(Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
7	KOTHAMANGAL AM SWAPI Capex (Cr.) - 0.55 O&M (Cr.) - 0.0280 Total Cost -0.578	AMRUT 2.0- Ward-22: Karakkunnam Drinking Water Project	0.55	0.028	0.578	1)New intake well and pump house. 2) pumping system. 3)service reservoir.-0.25 LL 4)distribution network-2.075 KM 5) FHTCs-- 125 Nos
8	KOTHAMANGAL AM SWAPI Capex (Cr.) - 0.25 O&M (Cr.) - 0.013 Total Cost - 0.263	AMRUT 2.0- Ward-06: Kumbalathumury Drinking Water Project	0.25	0.013	0.263	1)New intake well and pump house. 2)pumping system. 3)service reservoir.-0.1 LL 4)distribution network-1 KM 5) FHTCs-- 27 Nos
9	PANNUR SWAPI Capex (Cr.) - 0.280 O&M (Cr.) - 0.015 Total Cost - 0.295	AMRUT 2.0- Water Supply Scheme to Kunjhimutta Ward 09 in Panoor Municipality.	0.650	0.033	0.683	1) Intake: 4.00m Dia well cum pump house 2) Raw water Pump set: 2Nos 10 HP Pump, (One Stand by) 3)Raw Water Pumping main: 400m 90mm 4) Ground Level Service Reservoir: 25KLD RCC Tank 5) Distribution networks: 75mm PVC 1100m 90mm P VC 1200m 6) FHTC: 135 Nos

SI No.	ULB(Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
10	PANNUR SWAPI Capex (Cr.) - 0.411 O&M (Cr.) - 0.035 Total Cost - 0.446	AMRUT 2.0- Water Supply Scheme to Pokkunnumala Ward 17in Panoor Municipality.	0.845	0.042	0.887	1) Intake: 5.00m Dia well cum pump house 2) Raw water Pump set: 2Nos 7.5HP Pump, (One Stand by) 3)Raw Water Pumping main : 550m 90mm 4) Over Head Service Reservoir:25 KL RCC Tank 5) Distribution networks: 75mm PVC 1900m 90mm P VC 2200m 6) FHTC: 175Nos
11	PANNUR SWAPI Capex (Cr.) - 0.281 O&M (Cr.) - 0.015 Total Cost - 0.296	AMRUT 2.0- Water Supply Scheme to Meethaleparam bil Ward 19 in Panoor Municipality.	0.436	0.022	0.458	1) Intake: 4.00m Dia well cum pump house 2) Raw water Pump set: 2Nos 5HP Pump, (One Stand by) 3) Raw Water Pumping main: 600m 90mm 4) Ground Level Service Reservoir:45 KLD RCC Tank 5) FHTC: 90Nos

SI No.	ULB(Approved SWAP details)	Name of the Project	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
12	PANNUR SWAPI Capex (Cr.) - 0.414 O&M (Cr.) - 0.035 Total Cost - 0.449	AMRUT 2.0- Water Supply Scheme to Peruvothu Ward 22 in Panoor Municipality.	0.750	0.038	0.788	1) Intake : 4.00m Dia well cum pump house (Exisiting) 2) Raw water Pump set: 2Nos 10HP Pump, (One Stand by) 3) Raw Water Pumping main : 600m 90mm PVC, 4) Ground Level Service Reservoir:25 KLD RCC Tank 5) Distribution networks: 75mm PVC 2900m 90mm P VC 3000m 6) FHTC: 150Nos
TOTAL			11.091	0.556	11.647	

Decision to be taken:

The committee may recommend the following to the SHPSC:

- Issuance of Administrative Sanction for 12 Micro water supply projects amounting to Rs. 11.647 Cr (Capex: Rs. 11.091Cr. Opex: Rs. 0.556 Cr)
- Additional funds for Kothamangalam for an amount of Rs. 2.91 Cr. may be allocated from the floating fund for WS projects.
- The TS shall be issued by the concerned only after meeting the following conditions:
 - The project is technically feasible and has a reliable water source.
 - The provisions and rates are justified and in accordance with AMRUT guidelines.
 - The necessary clearances from the relevant authorities are obtained.
 - The project includes a 5-year Operation & Maintenance plan and only admissible components as per AMRUT guidelines.
- The Central Assistance for urban development projects should not cover the costs of Operation & Maintenance, Supervision charges, or the Value of land/ structures required for the project development. These costs should be borne by the State/ ULB fund if they are unavoidable.

Agenda Item No.9.6: ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS DIRECTLY EXECUTED BY THE THRISSUR ULB

Thrissur Corporation has submitted 7 water supply projects for an amount of Rs. 134.5 Cr under the 1st tranche of SWAP.

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 4th SHPSC meeting decided to cancel the water supply project in Thrissur under AMRUT 2.0 and to take up under AMRUT Phase-1-project namely 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 **Rs. 61 Cr. (CAPEX-58 Cr., OPEX- Rs. 3 Cr.).**

Thrissur Corporation further submitted 4 water supply projects (KWA) of CAPEX Rs. 25 Cr. as replacement projects in the 8th SLTC Committee meeting and the 8th SLTC Meeting recommended the projects for issuing AS.

Now, Thrissur Corporation has submitted two more projects for issuing AS, directly executed by the ULB as follows;

- 1) **Water Efficient Thrissur- Phase-2 (WET-2) amounting to Rs.18.79 Cr. (CAPEX – Rs. 16.948 Cr. & OPEX – Rs.1.842 Cr.)**
- 2) **AMRUT 2.0- Providing Additional Infrastructure for Laying 800 mm dia DI K9 Pipeline amounting to Rs.1.005 Cr. (CAPEX – Rs. 1.00 Cr. & OPEX – Rs. 0.005 Cr.)**

Detailed list enclosed as [Annexure-5](#).

1) Thrissur- Water Efficient Thrissur- Phase-2 (WET -2)

Thrissur Corporation has submitted the project Water Efficient Thrissur- Phase-2 (WET-2) as a substituted project for an amount of **Rs.18.79 Cr. (CAPEX – Rs. 16.948 Cr. & OPEX – Rs.1.842 Cr.).**

The major Components included are;

- 4000 smart meters for commercial consumers and street taps
- Water quality testing equipment in 4 OHT locations.
- Lora-WAN network for receiving signals from this equipment
- Smart water management application
- Online portal for the customer to see their consumption online
- Billing application for smart meter customers
- Household benefitted- 18,000

2) AMRUT 2.0- Providing Additional Infrastructure for Laying 800 mm dia DI K9 Pipeline

Thrissur Corporation has submitted the project Providing Additional Infrastructure for Laying 800 mm dia DI K9 Pipeline for an amount of **Rs.1.005 Cr. (CAPEX – Rs. 1.00 Cr. & OPEX – Rs. 0.005 Cr.)**

The laying of 800 mm DI pipe line project under AMRUT Phase -1, which is being directly executed by the ULB is under progress. The existing 700 mm DI pipe is passing through the existing bridge at Kolayanakuzhi, Pananchery GP. Currently the bridge space is being used by the Public for bridge crossing. Hence an additional bridge is required for laying the 800 mm DI pipe.

Decision to be taken:

The committee may recommend the following to the SHPSC:

- **Issuance of Administrative Sanction for the project- Water Efficient Thrissur- Phase-2 (WET -2) for an amount of Rs. Rs.18.79 Cr. (CAPEX – Rs. 16.948 Cr. & OPEX – Rs.1.842 Cr.).**
- **Issuance of Administrative Sanction for the project- Providing Additional Infrastructure for Laying 800 mm dia DI K9 Pipeline for an amount of Rs.1.005 Cr. (CAPEX – Rs. 1.00 Cr. & OPEX – Rs. 0.005 Cr.)**
- **The TS shall be issued by the concerned only after meeting the following conditions:**
 - **The project is technically feasible and has a reliable water source.**
 - **The provisions and rates are justified and in accordance with AMRUT guidelines.**
 - **The necessary clearances from the relevant authorities are obtained.**
 - **The project includes a 5-year Operation & Maintenance plan and only admissible components as per AMRUT guidelines.**
- **The Central Assistance for urban development projects should not cover the costs of Operation & Maintenance, Supervision charges, or the Value of land/ structures required for the project development. These costs should be borne by the State/ ULB fund if they are unavoidable.**

Agenda Item No.9.7: ADMINISTRATIVE SANCTION FOR REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2:

Rejuvenation of water bodies is a significant component of the Mission and 4% of central project funds are allocated for the purpose along with 1% of funds for the development of green spaces & parks amounting to <68.60 Crore Central Assistance. Special SWAP of 255 projects for the rejuvenation of Water Bodies worth Rs.82.354 Cr. (CA- Rs. 34.02 Cr.) was submitted and the 6th Apex committee held on 04.01.2023 approved the same.

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

- Rejuvenation of wetlands, and water bodies by desilting, strengthening the embankments, and stone packing.
- Diverting the polluting drains to treatment plants.
- Harvesting the rainwater through stormwater drains into the water body. (which is not receiving sewage/ effluent)

- Strengthening/ rejuvenation of the aquifers/ community wells.
- Creation/ strengthening of stormwater drains around the water body.
- Provision of STP to treat inflow into the water body.
- Development of community green spaces linked to a clean water body.

The 3rd Apex Committee had also given direction to all States to take up temple tanks and other traditional water bodies requiring rejuvenation in their Special SWAPs.

The AS was already issued for 96 Rejuvenation of Water Body projects amounting to Rs.22.654 Cr. (CAPEX – Rs.21.065 Cr. & OPEX - Rs.1.589 Cr.)

37 ULBs' proposals for 123 Rejuvenation of Water Body projects totaling Rs. 44.340 crore (CAPEX: Rs. 41.404 crore and OPEX: Rs. 3.055 crore, Central Assistance Rs. 19.29 Cr) were submitted to the SLTC and recommended to the SHPSC for administrative approval.

5 ULBs have now submitted plans for 10 water body rejuvenation projects totaling Rs. 2.201 crore (CAPEX: Rs. 2.066 crore and OPEX: Rs. 0.135 crore, Central Assistance Rs 1.00 Cr) for administration approval .

The details are as follows;

SI No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
1	KASARAGOD CAPEX (CR.)=0.1 O&M (CR.)=0 TOTAL COST (CR.)=0.1	AMRUT 2.0- REJUVENATION OF ERUMAKKULAM POND IN KASARAGOD MUNICIPALITY	0.1	0.005	0.105	1. Bailing out water 2 . Earthwork in excavation 3. Dismantling DR 4. RR Masonry
2	KASARAGOD CAPEX (CR.)=0.25 O&M (CR.)=0 TOTAL COST (CR.)=0.25	AMRUT 2.0- REJUVENATION OF KORAKKOD POND IN KASARAGOD MUNICIPALITY	0.167	0.008	0.175	1. Bailing out water 2. Earthwork in excavation 3. DR masonry
3	IRITTY CAPEX (CR.)=0.25 O&M (CR.)=0.01 TOTAL COST (CR.)=0.26	AMRUT 2.0- KUZHUMBIL TEMPLE POND RENOVATION - IRIITY MUNICIPALITY	0.38	0.01	0.39	1. Clearing jungle 2. Bailing out water 3. Earthwork in excavation 4. DR packing 5 RCC work
4	PARAPPANANGADI CAPEX (CR.)=0.91 O&M (CR.)=0 TOTAL COST (CR.)=0.91	AMRUT 2.0- REJUVENATION OF KADALUNDI RIVER IMPROVEMENT WORKS TO LEFT BANK- REACH1, REACH 2 & REACH 3 ALONG PARAPPANANGADI MUNICIPALITY	0.8157	0.05	0.8657	1. Earthwork in excavation 2. DR packing for Aprons 3. Dry Rubble masonry 4. Centering & shuttering 5 RCC work 6 Protection wall

SI No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
5	SREEKANDAPURAM CAPEX (CR.)=0.05 O&M (CR.)=0 TOTAL COST (CR.)=0.05	AMRUT 2.0- REJUVENATION OF APPOORI POND IN SREEKANDAPURAM MUNICIPALITY	0.05	0.0025	0.0525	1. Clearing grass 2. bailing out water 3. Earthwork in excavation 4. DR masonry
6	SREEKANDAPURAM CAPEX (CR.)=0.07 O&M (CR.)=0.005 TOTAL COST (CR.)=0.075	AMRUT 2.0- REJUVENATION OF KAMBLARI POND IN SREEKANDAPURAM MUNICIPALITY	0.075	0.00375	0.07875	1. bailing out water 2. Earthwork in excavation 3. Laterite masonry
7	SREEKANDAPURAM CAPEX (CR.)=0.02 O&M (CR.)=0 TOTAL COST (CR.)=0.02	AMRUT 2.0- REJUVENATION OF RAJEEV NAGAR POND IN SREEKANDAPURAM MUNICIPALITY	0.02	0.001	0.021	1. Clearing grass 2. Earthwork in excavation 3. Bailing out water
8	SREEKANDAPURAM CAPEX (CR.)=0.05 O&M (CR.)=0 TOTAL COST (CR.)=0.05	AMRUT 2.0- REJUVENATION OF NEDIYENGA PUTHIYAKULAM IN SREEKANDAPURAM MUNICIPALITY	0.05	0.0025	0.0525	1. Clearing grass 2. Bailing out water 3. Earthwork in excavation
9	SREEKANDAPURAM CAPEX (CR.)=0.04 O&M (CR.)=0 TOTAL COST (CR.)=0.04	AMRUT 2.0- REJUVENATION OF KANIYAR VAYAL POND IN SREEKANDAPURAM MUNICIPALITY	0.04	0.002	0.042	1. Clearing grass 2. Bailing out water 3. Earthwork in excavation
10	PERUMBAVOOR CAPEX (CR.)=0.5 O&M (CR.)=0.05 TOTAL COST (CR.)=0.55	AMRUT 2.0- PERUMBAVOOR-WB REJUVENATION-AIRATTUCHIRAPOND-RENOVATION OF AIRATTUCHIRA POND (SIDE PROTECTION AND CLEANING ETC.)	0.3689	0.05	0.4189	1. Bailing out water 2. Earthwork in excavation 3. DR packing 4. Steel work 5. RCC work
	TOTAL		2.0666	0.1347	2.2013	

Decision to be taken:

The committee may recommend the following to the SHPSC:

- **Issuance of Administrative Sanction for 10 Rejuvenation of Water Body projects proposed amounting to Rs. 2.2013 Cr. (CAPEX – Rs.2.0666 Cr. & OPEX - Rs.0.1347 Cr.)**
- **The over and above the SAAP amount shall be borne by the ULBs**
- **ULBs may be directed for issuing the TS after ensuring the following;**
 - **The projects should be geotagged and uploaded on the AMRUT portal for monitoring and evaluation purposes.**

- The projects should not utilize any other Central/State fund for the project components that are already included in the AMRUT scheme.
- The projects should ensure that the benefits of water body conservation and rejuvenation, including temple pond rejuvenation, reach the public and improve their quality of life. A certificate in this regard shall be provided by the ULB.
- The projects should display an AMRUT project information board on the side of the ponds with details of funding, implementing agency, timeline, etc.
- Technical viability, land availability, justified provisions & rates, and mandatory clearances.
- The projects should adopt all possible and environmentally friendly methods to conserve water bodies, such as geotextile and turfing, to prevent soil erosion and water loss.
- The projects that are difficult to implement due to any reason should be reported to SMMU at the outset so that funds can be diverted to other feasible projects.
- The water bodies that have been constructed or renovated using other funds in the last ten years should not be included in the AMRUT scheme.
- The ULB should ensure the approval of the Municipal Council before implementing the scheme.
- The projects should include only admissible components as per AMRUT guidelines and provide for 5-year Operation & Maintenance of the water bodies after completion.
- **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.9.8: IRINJALAKUDA MUNICIPALITY-REPLACEMENT OF WATER SUPPLY PROJECT EXECUTED BY KWA- MINI WATER SUPPLY SCHEME TO WARDS 1 AND 2

The allocated fund for the Irinjalakuda Municipality for the water supply project is Rs.13.058 Cr. The Municipality had submitted 4 water supply projects for the allocated fund and Administrative sanctions were accorded for all four projects.

Now the Municipality has requested for replacement of the work, “AMRUT2.0- Mini Water Supply Scheme to ward land 2 of Irinjalakuda Municipality”, for which AS was issued vide G.O. (Rt) No.473/2023/LSGD dated 23/02/2023 for a total project cost of Rs.0.840 Cr. (CAPEX- Rs. 0.800 & OPEX- Rs.0.040Cr.) and forwarded the Council resolution vide decision No. 16 dated 6.06.2023 with justification vide letter No.PC1(PW2)-4064/22 (**Annexure -6**) as follows;

This project aimed to solve the shortage of drinking water in Wards 1 and 2 of Irinjalakuda Municipality. Wards 1 and 2, located on the northern border of Irinjalakuda Municipality, are at the end of the existing distribution network of the Irinjalakuda Water Supply Scheme (IWSS). At present, water shortages in the upper reaches are due to blockages in the distribution pipe between Puthanthod and Karuvannur bridges on the Kodungallur-Shornur state highway. PWD denied permission to cut open the tar road and identify the blockage. Hence, a mini-water supply scheme was proposed for Wards 1 and 2 under AMRUT 2.0.

KSTP has taken over the charge of the above road for renovation, and they are going to replace the existing blocked pipelines on both sides of the road. Work is expected to begin in September 2023. When this work is over, water can be given from the existing IWSS without the implementation of the source components of the

new water supply scheme; only distribution lines and FHTCs have to be implemented in Wards 1 and 2. Thus, the amount saved is proposed to be used to lay additional distribution lines.

KWA also got another administrative sanction for an 18 MLD capacity water treatment plant project in Mangadikunnu for Irinjalakuda Municipality, Muriyad, and Velukkara Panchayaths. In the proposed scheme, an additional requirement of 4.5 MLD was included for the Irinjalakuda Municipality. This will solve the water shortage in different areas of the municipality, including wards 1 and 2. Considering the above facts, there is a need to change the scope of the Mini Water Supply Scheme for Wards 1 and 2.

The replacement project is proposed after reducing the original scope of work and providing the distribution lines and 200 FHTCs. Hence, the Council has decided to recommend the replacement project, **AMRUT 2.0: Improvement of Water Supply Systems of Irinjalakuda Municipality, and IWSS: Strengthening of Water Supply Distribution System in Wards 1 and 2, for approval at Rs. 0.840 crores (CAPEX: Rs. 0.800 and OPEX: Rs. 0.40 crore)** for approval.

Decision to be taken:

- **The Committee may recommend to SHPSC the replacement of the project, AMRUT2.0- Mini Water Supply Scheme to ward land 2 of Irinjalakuda Municipality with the project, AMRUT 2.0 - Improvement of water supply systems of Irinjalakuda Municipality – IWSS - Strengthening of water supply distribution system in ward 1 & 2 for Rs. 0.840 Cr. (CAPEX- Rs. 0.800 & OPEX- Rs.0.040Cr.)**

Agenda Item No.9.9 : IRINJALAKKUDA MUNICIPALITY- REVISED AS FOR THE PROJECT- AMRUT 2.0- PROVIDING HOTLINE FROM MANGADIKKUNNU WTP TO WARDS 23 AND 32 OF IRINJALAKUDA MUNICIPALITY, STRENGTHENING OF OLD AC AND PVC PIPES BY REPLACING THEM WITH NEW PE/PVC PIPES. AND PROVIDING 200 NUMBERS OF FHTCS

The allocated fund for the Irinjalakuda Municipality for the water supply project is Rs.13.058 crore. The municipality had submitted four water supply projects for the allocated fund, and Administrative Sanctions have been accorded for all four projects.

The Administrative Sanction for the work AMRUT 2.0: Providing a Hotline from Mangadikunnu WTP to Wards 23 and 32 of Irinjalakuda Municipality; Strengthening old AC and PVC pipes by replacing them with new PE and PVC pipes and providing 200 numbers of FHTCs was accorded vide G.O. (Rt) No. 473/2023/LSGD dated February 23, 2023 for Rs. 1.680 crore (CAPEX: Rs. 1.600 crore and OPEX: Rs. 0.080 crore)

A NIT was issued for the work with a due date of May 5, 2023, and an opening date of May 6, 2023. Only a single offer was received, and the tender was extended with a due date of May 10, 2023. Two bids were received, and the tender opened on May 11, 2023. The L1 bidder quoted 10.16% above Tended PAC (TPAC-Rs.1,30,53,310), and upon negotiation, the L1 bidder reduced the amount to 9.07% above TPAC.

TPAC	– Rs. 1,30,53,310/-
Quoted PAC	– Rs. 1,43,79,232/-
Accepted PAC after negotiation	– Rs. 1,42,38,232/-
Tender Excess	– Rs.1,398,208. (Rs. 1,184,922+ 18% G.S.T)

The Municipal Council held on 6.6.2023 decided to request the SLTC for the additional fund due to the tender excess based on the letter from the Superintending Engineer, Thrissur (**Annexure-7**). The details are as follows:

SI No	Description	Original Proposal	Revised Proposal	Remarks
A	Tendered PAC/ Accepted PAC	Rs. 1,30,53,310/-	Rs. 1,42,38,232/-	Quoted PAC- Rs. 1,43,79,232/- Accepted PAC after negotiation – Rs. 1, 42, 38, 232/-
B	Water connection charges	Rs. 1,31,125/-	Rs. 1,31,125/-	
C	Restoration Charges PWD	Rs. 1,50,000/-	Rs. 1,50,000/-	
D	Advertisement Charges	Rs. 1,00,000/-	Rs. 1,00,000/-	
E	TOTAL (A+B+C+D) including 18% GST	Rs. 1,60,00,000/-	1,72,50,841/-	
	ADDITIONAL AMOUNT REQUIRED		Rs. 12,50,841/-	
	REVISED AS REQUESTED		1,72,50,841/-	

The Managing Director KWA vide letter No.KWA/ JB/PIU2/10/JJM-URBAN/2021/AMRUT 2.0- Thrissur Circle dated 12.06.2023 also requested the revision of AS for the project.(**Annexure-8**)

Decision to be taken:

- **The Committee may recommend to the SHPSC the revision of the Administrative Sanction of the project AMRUT 2.0: "Providing a hotline from Mangadikkunnu WTP to wards 23 and 32 of Irinjalakuda Municipality; strengthening old AC and PVC pipes by replacing them with new PE and PVC pipes; and providing 200 numbers of FHTCs from Rs. 1.680 Cr. (CAPEX: Rs. 1.600; OPEX: Rs. 0.080 Cr.) to Rs. 1.805 Cr. (CAPEX: Rs. 1.725; OPEX: Rs.0.080 Cr. 25% of the excess due to tender variation shall be borne by the ULB and 75% by the State.**

Agenda Item No.9.10: PATHANAMTHITTA MUNICIPALITY- REVISED AS FOR THE PROJECT- AMRUT - 2.0- CITY WATER ACTION PLAN - STRENGTHENING OF WATER SUPPLY SCHEME- LAYING RAW WATER & CLEAR WATER PUMPING MAIN, CONSTRUCTION OF 10 MLD WTP, SUPPLY AND INSTALLATION OF PUMP SETS, TRANSFORMER

The allocated fund for the Pathanamthitta Municipality for the water supply project is Rs.12.378 crore. The municipality had submitted three water supply projects for Rs.15 Cr. and an amount of Rs.2.622 crores was allocated from the floating incentive. Administrative Sanctions have been accorded for all three projects.

The Administrative Sanction for the subject work AMRUT - 2.0- City Water Action Plan -Strengthening of Water Supply Scheme- Laying Raw Water & Clear Water Pumping Main, Construction of 10 MLD WTP, Supply and installation of pump sets, the transformer was accorded vide G.O.(Rt)No.2906/2022/LSGD dated 24/11/2022, for Rs. 11.250 Cr. (CAPEX: Rs.10.750 and OPEX: Rs. 0.500 Cr.). The project components include a 10 MLD WTP, pumping mains, etc.

Now, the Secretary of Pathanamthitta Municipality vide letter No. E1-130091/2021 dated 12.6.2023 **(Annexure-9)** has forwarded the Council decision No. 17 requesting sanction for revision of AS due to the additional requirement of **Rs.3.59 Cr.** due to foundation design modifications and estimate revision.

It has been reported that the site for the WTP is located at the KWA-owned land at Pampoorippara in Pathanamthitta district. Soil investigation was carried out at the site through the College of Engineering Trivandrum. The soil investigation report revealed that the soil is mainly loose in nature and suggested a pile foundation at the depth of 4-9 m a for the WTP. However, in some places where hard soil/rock is available at lower depths, a footing can also be used as an alternative foundation.

While the estimation for the WTP and other components is completed, the total estimated cost increased to **Rs.14.34 Cr.**

The detailed break up as follows:

Components	Original Proposal	Revised Proposal	Additional Amount
Raw Water Pumping Main	10912475.21	11011455.13	98979.92
Clear Water Pumping Main	4093155.11	4093155.11	0
Water Treatment Plant	61740750	89459616.14	27718866.14
Pumpsets	10202388.06	12716314.34	2513926.28
Transformer	4140287.32	4140287.32	0

Miscellaneous	0	69131.99	69131.99
Total	91089055.7	121489960	30400904.33
GST (18%)	16396030.03	21868192.81	5472162.779
Net Total	107485085.7	143358152.8	35873067.11
Grand Total (after round off)	107500000	143400000	35900000

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 of Rs. 3.590 Cr. can be met from this fund.

Decision to be taken:

- **The Committee may recommend to the SHPSC the revision of the Administrative Sanction of the project AMRUT - 2.0- City Water Action Plan -Strengthening of Water Supply Scheme- Laying Raw Water & Clear Water Pumping Main, Construction of 10 MLD WTP, Supply and installation of pump sets, the transformer from Rs. 11.250 Cr. (CAPEX: Rs.10.750 and OPEX: Rs. 0.500 Cr.). to Rs. 14.42 Cr. (CAPEX: Rs. 14.34; OPEX: Rs.0.080 Cr.**
- **The additional fund requirement of Rs. 3.590 Cr. may be met from the floating fund for the Water supply sector.**

Agenda Item No. 9.11: ERATTUPETTA MUNICIPALITY- PROPOSAL SUBMITTED BY THE KERALA WATER AUTHORITY

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

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

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

The major components included in the proposal are as follows;

Apportioned cost for JJM Project	The floating pump house at Malankara Dam RAW WATER pumpset 1000 MM RWPM Boosting station at Vallippara 45 MLD WTP at Neelore etc.	Rs.34.77 Cr.
Zone-1 Thevarupara	10 LL OHSR at Thevarupara. Conveyance Main from JJM Scheme. Gravity mains. Distribution network FHTCs	Rs. 43.01 Cr.
Zone 2- Aruvithura-	6 LL OHSR at Aruvithura Conveyance Main from JJM Scheme. Gravity mains. Distribution network FHTCs	Rs. 28.00 Cr.
Zone 3- Valiachanmala	4 LL OHSR at Valiachanmala Conveyance Main from JJM Scheme. Gravity mains. Distribution network FHTCs	Rs. 22.00 Cr.
TOTAL		Rs. 127.78 Cr.

SMMU Observations:

There is no sustainable water supply source for Erattupetta. Utilizing already awarded common components of JJM Neeloor, Water Supply to Erattupetta can be provided. Water supply @ 150 LPCD to the municipality has to be tapped from near the proposed OHSR at Vettiparambu in the Neeloor scheme about 4km from Erattupetta.

The estimate for minimum required components can be met from the AMRUT as the balance funds are limited. If we consider Zone-1 Thevarupara, which is the highest location among OHSR for other zones, the estimate amount will come down to Rs. 43.01 Cr. Future expansion will also be possible by gravity. Thevarupara and major portion of Erattupetta can also be serviced. The amount required may be met from the floating fund.

Decision to be taken:

- **The Committee may recommend to the SHPSC to allocate an additional fund of Rs.34.13 from the floating fund in addition to the allocated fund of Rs.8.88 Cr. (Total- Rs.43.01 Cr.)**
- **KWA may be instructed to recast the DPR with essential components for Zone-1 Thevarupara limiting to Rs. 43.01 Cr Immediately within 2 days for the SHPSC Meeting approval.**

Agenda Item No.9.12: APPROVAL TO HIRE ADDITIONAL SPACE FOR SMMU, AMRUT

On the basis of extending the operation of AMRUT 2.0 to all the urban local bodies in the state, the SMMU staff pattern has been restructured. Currently, 30 staff, including interns, are working at SMMU and the SMMU is functioning in a rented building with an area of 2800 square feet on the 4th floor of the ARTECH building in Thycaud. The office facility is very inadequate as per the revised staff pattern. Moreover, the CTP has requested a separate space for the GIS mapping work which is essential for planning and monitoring the AMRUT sub-schemes. In addition to the above, the existing conference hall is inadequate for conducting meetings and workshops with various stakeholders.

Keeping in view the revised staff strength, new requirements and the government directions vide G.O. (Ms.) No. 1/2022/PWD dated 10/01/22 for office space requirements, a building with an area of 4972 sq ft is required. Since the present rented building is only 2800 square feet, a building area of 2172 sq ft (202.0 sq m) is additionally required for meeting the new requirements.

On detailed inquiry, a space of 202.0 sqm is available in the same building where the current office is functioning. The matter was placed before the 6th SLTC, requesting permission to rent the additional space required. 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. Accordingly, the details have been forwarded to the Chief Engineer, LSGD to assess the financial outlay. As per the verification report of the Chief Engineer, the additional office space of 202.0 sqm would cost Rs. 48680/PM (240.77/Sqm). Also, negotiations have been conducted with the house owner and she agreed to rent the building at Rs.35/Sqft(Rs.376.6/sqm) excluding 18% GST which is the current rent rate of the present office with the following conditions.

- Electricity, Water, and MMC (Monthly Maintenance Charges) are extra payable by Lessee as applicable.
- Two Year period first agreement with 3 months' rent as advance.
- Every two years 10% enhancement on mutual agreement. This increment of 10% is applicable from the beginning of the 3rd year of the contract.
- Two Car Parking Spaces will be allotted.
- For modification/alteration one month rent-free at the beginning of the contract.

The rent of the building including 18% GST comes to Rs. 89766/Month. The matter was placed in the 8th SLTC. The Committee directed the Mission Director AMRUT to estimate the space requirements as per the PWD norms and report to the next SLTC. The space requirements have been worked out based on the G.O. (Ms.) No. 1/2022/PWD dated 10/01/22 for office space requirements which comes to 4972 sqft. (Annexure-10) The additional space requirement after deducting the existing space of 2800 sqft comes to 2172 sqft (ie 202 sqm).

The 8th SLTC recommended to the SHPSC the rent rate of Rs.376.6 / Sqm, which amounts to Rs.89,766 /- per month for the additional space of 202 sq m for SMMU in the same building where SMMU is working. It was also directed to submit the proposal for the modification works to be done for the new office space. The State Nirmithi Kendra was requested to provide a detailed estimate for the modification works. They have provided a detailed estimate which comprises wall finishing, false ceiling, and a cabin partition. A/C, electrification, plumbing, conference table, etc. The total cost of the modification works based on DSR 2018 comes to Rs. 3146944/- (Rupees Thirty-One Lakh Forty Six Thousand Nine Hundred and Forty-Four only).

Decision to be taken:

- **The Committee may recommend to SHPSC for permission to hire an additional 202.0sqm for SMMU at the rate of Rs. 376.60 per sqm in the same building where SMMU is working and to arrange the modification works costing Rs.3146944/- (Rupees thirty-one lakh forty-six thousand nine hundred and forty-four only) through the Kerala State Nirmithy Kendra.**

Agenda Item No.9.13: RECONSTITUTION OF CONSULTANT EVALUATION COMMITTEE FOR PDMC:

As envisaged in the request for proposal a Consultant Selection Committee has to be constituted for the evaluation process of the proposals received for the selection of a Project Development and Management Consultant.

The CSC will evaluate the Technical Proposals and a Technical Proposal Evaluation Report will be submitted to the SLTC for approval. On approval of the same, Finance Proposals will be opened of the

qualified Consultants. The Committee will again prepare the final score of the qualified consultants based on the technical score and financial score and as per the selection criteria envisaged in the RFP. The Rank list will be submitted to the SLTC for approval and further negotiation process as envisaged in the RFP to finalize the consultant (PDMC).

The 1st SHPSC meeting approved the constitution of the Consultant Screening Committee as shown below:

Mission Director, AMRUT	Chairman
Technical member, KWA	Member
Chief Engineer, LSGD	Member
Director, Suchitwa Mission	Member
Director, CMD	Member
Deputy Mission Director, AMRUT	Member
Chief Engineer, Sewerage Wing, KWA	Member
Dr. N.C Narayanan, IIT Mumbai	Member

As the RFP has been modified with the additional scope of works for the preparation of 24X7 Water supply projects, Study for NRW reduction, etc. the Consultant Selection Committee(CSC) may be reconstituted by including the KWA officials, Chief Engineer Projects KWA & Deputy Chief Engineer, PIU2 as follows;

Mission Director, AMRUT	Chairman
Technical member, KWA	Member
Chief Engineer, LSGD	Member
Director, Suchitwa Mission	Member
Director, CMD	Member
Deputy Mission Director-1 & 2, AMRUT	Member
Chief Engineer, Sewerage Wing, KWA	Member
Chief Engineer Projects KWA	Member
Deputy Chief Engineer, PIU2 KWA	Member
Dr. N.C Narayanan, IIT Mumbai	Member

The roles and responsibilities of the CSC shall be as follows;

- 1) The CSC will provide Clarifications to the Pre-bid queries.

- 2) The CSC will evaluate the Technical Proposals and a Technical Proposal Evaluation Report will be submitted to the SLTC for approval.
- 3) The Committee will prepare the final score of the qualified consultants based on the technical score and financial score and as per the selection criteria envisaged in the RFP.
- 4) The Rank list will be submitted to the SLTC for approval and further negotiation process as envisaged in the RFP to finalize the consultant (PDMC).

Decision to be Taken-

- **The SHPSC may approve the reconstitution of the Consultant Selection Committee (CSC) by additionally including the KWA officials, Chief Engineer Projects KWA & Deputy Chief Engineer, PIU2 and recommend the same to the SHPSC.**

Agenda Item No.9.14: MANDATORY REFORMS-SUBMISSION OF DETAILS ON THE AMRUT 2.0 PORTAL:

Urban Reforms is one of the components under AMRUT 2.0. The Ministry of Housing & Urban Affairs, Government of India have issued a toolkit on Urban Reforms under AMRUT 2.0. The reform agenda focuses on improving the financial health of ULBs, the water security of cities, and the ease of living of citizens by improving the delivery of municipal services. In order to encourage the ULBs to implement the reforms, AMRUT 2.0 incentivizes the successful implementation of a set of reforms for better delivery of citizen-centric services and the financial health of the ULBs. An amount of ₹ 5,340 Crore has been earmarked as Reform Incentive by MoHUA. Eight per cent of the Central Assistance allocated to AMRUT 2.0 projects as per Budget Estimate has been earmarked as reform incentives.

The Reform agenda is expected to be achieved through the successful implementation of 2 Mandatory Reforms and 7 incentive-based reforms. Mandatory reforms will be on property tax and user charges(water supply & Sewerage). The States will have to implement these Mandatory reforms in the first two years from the launch of the Mission to be eligible for Central Assistance from the third year onwards. These Mandatory reforms are to be implemented and submitted by 30th September 2023. The State and ULBs have to upload the notifications and the supporting documents on the AMRUT 2.0 Portal.

Reform	Milestone	Eligibility Criteria	Supporting documents
1. Mandatory Reform on Property Tax	Notification of property tax floor rate which will be a function of Guidance value/ circle rate Desirable condition: Increase in property tax collection periodically	Issuance of notification on property tax floor rate by the State.	1) Copy of notification by State on property tax. 2) A year-wise report on property tax comprising following for 2018-19, 2019-20 and 2020-21: i. Number of properties mapped. ii. Number of properties against which property tax bill raised. iii. Amount of property tax raised. iv. Property tax collected.

<p>2. Mandatory Reform on User Charges</p>	<p>Notification by the state on user charges of water supply and sewerage. User charges should reflect expenditure on operation and maintenance of water & sewerage services at least partly.</p> <p>Desirable condition: Increase in the collection of user charge of water supply and sewerage services periodically.</p>	<p>Issuance of notification on user charges by the State.</p>	<p>1) Copy of notification by State on user charges.</p> <p>2) A year-wise report on user charge collection for water supply and sewerage in F.Y. 2018-19, 2019-20 and 2020-21 comprising the following:</p> <ul style="list-style-type: none"> i. Number of households in State ii. Number of households in the State paying user charges for water supply and sewerage. iii. Amount of user charge bills raised by the State for households. iv. Amount of user charges collected by the State from households. <p>3) Cost of O & M of water services to the State vis. a vis. cost recovered through user charges. Collection from households and other users is to be reflected separately.</p>
--	---	---	---

Decision to be Taken-

- **The SLTC may take note of the same and approval may be given for uploading the Government orders on property tax, Usercharge, and Supporting documents on the AMRUT 2.0 Portal.**

Agenda Item No.9.15: PROJECT MANAGEMENT SOFTWARE FOR AMRUT PROJECT MONITORING

To help in monitoring physical & financial progress of AMRUT projects, a Web-based and mobile-based project monitoring system providing real-time updates on the progress of each project to the public and stakeholders is highly necessitated. The system will improve the efficiency and effectiveness of the AMRUT Kerala project monitoring process by reducing the human factor and speeding up the process, resulting in faster information flow across the hierarchy. Overall, the system will enhance the ability to deliver better service to its beneficiaries.

Currently, AMRUT Kerala's project monitoring system uses the Manual Spreadsheet Process, time-consuming, and prone to errors. The project monitoring process involves collecting data from different sources, including paper-based reports, and manually collating and analyzing the data to generate project progress reports. This process is time-consuming and often results in delays in decision-making and project completion.

As such, The firm TRAVANSOFT SOLUTION (a Startup registered under Kerala Startup Mission) has been entrusted for developing a Web-based and mobile-based project monitoring system with the following features:

1. Web Application

Dashboard, Data & progress updation and Monitoring, uploading all information of the projects including related documents)

2. Mobile Application

Dashboard, Progress updation from the field, Photo capturing & attaching to the projects, Geotagging, Risk/ issues updation, etc.)

3. Public Web portal

Provides easy access to project-related information and updates to the public.

It will ensure transparency and accountability in project management. They can access project details, Physical and financial progress, Documents, Gallery, etc.

The PMS aims to automate the current manual project monitoring system used by AMRUT Kerala and provide real-time updates on project progress to the public and stakeholders. The project will involve the development of a web portal and a mobile app that will allow project managers to input project progress data in real-time. The system will also allow the public and stakeholders to access project progress updates in real-time, enhancing transparency and accountability.

TRAVANSOFT SOLUTION has submitted a Proposal for implementing Web based Project Monitoring System at AMRUT KERALA and the same is enclosed as **Annexure 11**.

Travansoft will provide the necessary faculty for the training, but the institution will need to arrange for the infrastructure and support personnel for the attendees. Technical support will be provided for a period of **12 months** from the completion date of the project. Trainers will also be trained while delivering the product. After the free support period, AMC may be taken for the support.

As per the **GO(Ms) No.2/2022/SPD** dated 05.07.2022, it can be purchased the products/ Services directly costing less than 50 Lakh from the Startups registered under KSTM

Product Costing for the Implementation and customization of the Project Monitoring system as follows;

Product development and Support Cost		
Sl No	Modules	Cost
1	Implementation and customization of the Project Monitoring system at AMRUT Kerala	₹13,85,000.00
Total (GST & Statutory deductions Extra)		₹13,85,000.00
2	Technical Support for 12 months	Free

Decision to be Taken-

- **The SLTC may accord sanction to develop the Project Monitoring system at AMRUT Kerala and also to entrust the same with TRAVANSOFT SOLUTION at a total cost of ₹13,85,000.00 excluding GST and other statutory deductions.**

Accepted

Mission Director, AMRUT