

**8<sup>th</sup> STATE LEVEL TECHNICAL COMMITTEE (SLTC)**

**ATAL MISSION FOR REJUVENATION & URBAN TRANSFORMATION**

**(AMRUT 2.0)**

**AGENDA**



**Date: 10.05.2023 at 10.00 AM**

**VENUE: MEETING THROUGH VIDEO CONFERENCING**



**Local Self Government Department, Government of Kerala**

## INDEX

Agenda Item No.	Topic	Page No.
8.1	APPROVAL OF MINUTES OF THE 7 <sup>th</sup> MEETING OF SLTC.	3
8.2	ACTION TAKEN REPORT ON THE DECISIONS OF THE 7 <sup>th</sup> SLTC MEETING OF AMRUT 2.0.	3
8.3	PROGRESS OF AMRUT 2.0	8
8.4	ADMINISTRATIVE SANCTION FOR WATER SUPPLY PROJECTS APPROVED UNDER 1 <sup>st</sup> TRANCHE OF SWAP.	11
8.5	ADMINISTRATIVE SANCTION FOR THE SEWERAGE PROJECT OF KOZHIKODE CORPORATION (SWAP-2)	18
8.6	ADMINISTRATIVE SANCTION OF REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2	19
8.7	REPLACEMENT OF WATER SUPPLY PROJECT IN KOCHI CORPORATION APPROVED UNDER THE 1 <sup>ST</sup> TRANCHE OF SWAP	40
8.8	O & M STRATEGY FOR STPS PROPOSED BY KWA UNDER AMRUT-2.0:	41
8.9	STATUS OF SELECTION OF PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC)	41
8.10	24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF STATE-LEVEL TASK FORCE & CITY LEVEL TASK FORCE	43
8.11	APPROVAL TO HIRE ADDITIONAL SPACE FOR SMMU, AMRUT	45
8.12	SANCTION TO PROVIDE TRAVEL ALLOWANCES FOR THE CITY MISSION MANAGEMENT UNIT STAFF.	46
8.13	APPROVAL TO ENGAGE GIS/SCADA EXPERTS ON CALL FOR 24X7 WATER SUPPLY SYSTEM & SEWERAGE PROJECTS	46

## **Agenda Item No.8.1: APPROVAL OF MINUTES OF THE 7<sup>th</sup> MEETING OF SLTC**

The minutes of the 7<sup>th</sup> SLTC meeting of AMRUT 2.0 held on 16<sup>th</sup> February 2023 and the 5<sup>th</sup> SHPSC held on 2<sup>nd</sup> March 2023 are enclosed as Annexures -1&2.

**Decision to be Taken:** The Committee may approve the minutes of the 7<sup>th</sup> SLTC meeting of AMRUT 2.0 and may take note of the Minutes of the 5<sup>th</sup> SHPSC meeting.

## **Agenda Item No.8.2: ACTION TAKEN REPORT ON THE DECISIONS OF THE 7<sup>th</sup> SLTC MEETING OF AMRUT 2.0**

### **Agenda Item No. 7.1: Progress of AMRUT 2.0**

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

- 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 Waterbody 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.

#### **5<sup>TH</sup> SHPSC Decision:**

- The Committee took note of the AMRUT 2.0 progress and the 6<sup>th</sup> Apex Committee's decision and directed ULBs and KWA to strive to award all the approved Water supply, Sewerage, and Water body projects by March 2023.
- Taking a serious note on the lag in DPR submission for Water supply, Sewerage and Water body projects, the Committee directed the ULBs and KWA to expedite the DPR submission and to avoid any time overrun.
- The Mission Director AMRUT informed that as part of the strengthening of SMMU and CMMUs of AMRUT, the selection process of DMD has been completed. The Committee approved the selection process and directed the concerned authority to appoint the selected candidates.
- The Committee noted with concern that there is an inordinate delay in getting approval from Municipal Councils for the implementation of projects. Hence the Committee directed all ULBs to expedite the issuance of approvals.

#### **Action Taken:**

- Project progress is included as Agenda item-03.
- DPR prepared-WS- 183/208, SEW-26/26 & Water body rejuvenation- 219/255.
- TS issued for 67 WS, 16 SEW Projects and 5 WBR
- Tender invited for 55 WS projects, 16 Sewerage projects by KWA and 5 projects for Rejuvenation of Water Bodies by ULBs.
- 9 water supply and 15 Sewerage projects were awarded.
- DPRs pending - WS- 10ULBs (25 Nos), Water body Rejuvenation- 14 ULBs (36 Nos.)
- Selection Process of DMD- Smt. A Sheeja has joined the Mission as Deputy Mission Director (Water Supply) and Sri. Luqman M has joined as Deputy Mission Director (Used Water).

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

**7<sup>th</sup> SLTC Decision:**

- 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.

**5<sup>TH</sup> SHPSC Decision:**

- The committee accorded administrative sanction to the 11 Water supply projects amounting to Rs.192.337 Cr. (CAPEX - Rs.179.917 Cr. & OPEX – Rs.12.421 Cr.) except the proposal from the Erattupetta and Koduvally Municipalities.
- **The Committee observed that the project proposed for the Erattupetta Municipality is a Micro Water Supply Scheme with bore wells as sources. The Committee directed 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 Committee observed that the land acquisition proceedings for the construction of OHSR in Koduvally Municipality has been started. The approval of project was set aside for want of completion of land acquisition proceedings.**
- KWA and ULBs were 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.

**Action Taken:**

- **AS was issued vide Government Order G.O.(Rt)No.677/2023/LSGD dated 21-03-2023 for 11 WS projects.**
- **TS is to be issued by KWA.**
- **Koduvally Municipality - The negotiation process for the purchase of Land is in progress.**
- **Erattupetta Municipality- Preliminary report from KWA is awaited**

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

**7<sup>th</sup> SLTC Decision:**

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.

**5<sup>TH</sup> SHPSC Decision:**

- The committee approved the SLTC recommendations.

**Action Taken:**

- AS was issued vide Government Order G.O.(Rt)No.711/2023/LSGD dated 25-03-2023 for 2 Sewerage projects in Kollam and Kochi.
- TS is to be issued by the KWA.

**Agenda Item No.7.4: ADMINISTRATIVE SANCTION OF REJUVENATION OF WATERBODY PROJECTS APPROVED UNDER SWAP-2:**

**7<sup>th</sup> SLTC Decision:**

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.

**5<sup>TH</sup> SHPSC Decision:**

- The committee approved the SLTC recommendations.

**Action Taken:**

- **AS was issued vide Government Order G.O.(Rt)No.777/2023/LSGD dated 30-03-2023 for 96 projects of Rejuvenation of Water bodies.**
- **TS is to be issued by ULBs.**

**Agenda Item No.7.5: SELECTION OF PROJECT DEVELOPMENT AND MANAGEMENT CONSULTANTS (PDMC) - PROGRESS REVIEW:**

**7<sup>th</sup> SLTC Decision:**

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.

**Action Taken:**

- **The agenda in this regard is included in this Committee meeting.**

**Agenda Item No.7.6: ASSIGNING THE CHARGE OF DISTRICT COORDINATOR AMRUT TO THE DISTRICT DEVELOPMENT COMMISSIONERS (DDCS):**

**7<sup>th</sup> SLTC Decision:**

The committee recommended the following to the SHPSC:

- 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 (SHPSC) of AMRUT.

**5<sup>TH</sup> SHPSC Decision:**

- The committee approved the SLTC recommendations.

**Action Taken:**

- **Government Order issued vide G.O.(Rt)No.681/2023/LSGD dated 22-03-2023.**

**Agenda Item No.7.7: REAPPROPRIATION OF FUND FROM ULBs WITHOUT PROJECT PROPOSALS TILL MARCH 2023:**

**7<sup>th</sup> SLTC Decision:**

- 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.

**5<sup>TH</sup> SHPSC Decision:**

- Taking serious note on the slow progress in formulating projects, the committee directed all ULBs to submit the pending DPRs for all approved projects (SWAP-1 & 2- Water supply, Sewerage, and Water body rejuvenation projects) before 31<sup>st</sup> March 2023 and also to formulate projects and submit the SWAP-3 proposals on the AMRUT-2.0 portal before 31<sup>st</sup> March 2023.
- The committee decided to reallocate the funds that remain unutilized as of 31<sup>st</sup> March 2023 with the ULBs to other ULBs in need.

**Action Taken:**

- The direction in this regard was issued vide Govt. letter No. 112/DC1/2023/LSGD dated 29.03.2023.
- After the 5<sup>th</sup> SHPSC held in March, 145 DPRs related to WS, SEW & Water body projects have been received.
- DPRs pending - WS- 10ULBs (25 Nos), Water body Rejuvenation- 14 ULBs (36 Nos.)(Project progress is included as Agenda item-8.3.)
- Time may be given till 31st May 2023 for ULBs/ KWA to submit the DPRs.

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

**7<sup>th</sup> SLTC Decision:**

- 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.

**5<sup>TH</sup> SHPSC Decision:**

- The committee approved the SLTC recommendations.

**Action Taken:**

- Letter from CTP to Government (LSGD) requesting to issue Government orders to open the Bank account submitted vide letter No. LSGD/PD/21775/2023-TCPB3 dated 01.04.2023.

**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.**

**7<sup>th</sup> SLTC Decision:**

- 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.

**5<sup>TH</sup> SHPSC Decision:**

- The committee approved the SLTC recommendations.

**Action Taken:**

- Government Order was issued vide G.O.(Rt)No.712/2023/LSGD dated 25-03-2023.

### Agenda Item No.8.3: 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 4<sup>th</sup> Apex committee meeting had approved the 1<sup>st</sup> 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 6<sup>th</sup> Apex committee held on 04.01.2023 approved the 2<sup>nd</sup> 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).

#### 8.3.1. PROJECT PROGRESS(Tranches 1&2)

Sector	Total outlay	Total SWAP submitted		DPR Prepared-Tranche (1 & 2)		AS accorded		TS Issued	NIT Issued	Awarded Projects
		No.	Amount (CAPEX-Cr.)	No.	CAP EX (Cr.)	No.	CAPEX (Cr.)	No.	No.	No.
Water supply (Including floating in of 100 Cr.)	1813.40									
Floating Incentive Fund from SEW (Cr.) for AMRUT cities	636.160	208	1909.408	183	1686.92	162	1398.24	67	55	9
Sewerage & Septage	902.160	26	489.63	26	492.88	25	328.675	16	16	15
Rejuvenation of Water bodies and development of green spaces and parks projects.	143.340	255	76.27	219	65.525	96	21.065	5	5	0
<b>TOTAL</b>	<b>3495.06</b>	<b>490</b>	<b>2475.308</b>	<b>428</b>	<b>2245.33</b>	<b>283</b>	<b>1747.98</b>	<b>88</b>	<b>76</b>	<b>24</b>

#### 8.3.2 WATER SUPPLY- STATUS OF DPR PENDING ( Tranche -1&2- 25 Nos.(KWA-3, ULB-22)

Sl. No.	ULB	Project Name	CAPEX (Cr.)	STATUS
<b>Fund to be reallocated</b>				
1	Iritty	HouseHold connection 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. Awaiting ULBs approval in this regard. <b>#Fund to be reallocated</b>
2	Mattannur	Providing Individual Water Connections in All	13.378	KWA informed that AMRUT fund may not be required as the comprehensive



		wards in Mattannur Municipality		scheme will be taken up under KIIFB. #Fund to be reallocated
<b>KWA Projects</b>				
3	Thiruvananthapuram	FIFN - Laying of HDPE pipe from Aruvikara to Peroorkada and construction of 10 MLD sump at Peroorkada	94.93	<b>Pending with KWA.</b>
<b>WS/ Micro WSS being directly undertaken by ULBs</b>				
4	Thrissur	Substituted project	33	4 projects worth 25 Cr. were submitted instead of the canceled project worth 58 Cr. <b>The remaining 2 Proposals were submitted on the portal. Expected date for final DPR submission- 30.05.2023.</b>
5	Sreekandapuram	4 Micro Schemes	9.729	DPR is under preparation by CWRDM. <b>Expected date for submission- - 15-05-2023</b>
6	Wadakkancherry	3 Micro Schemes	16.075	DPR is under preparation by CWRDM. <b>Expected date for submission- - 31-05-2023</b>
7	Neeleswaram	7 Micro Schemes	12.25	DPR is under preparation by CWRDM. Survey work was completed for 3 schemes. <b>Expected date for submission- - 15-05-2023</b>
8	Kanhangad	1 Micro Scheme	5.0	DPR is under preparation by SEUF. <b>Expected date for submission- - 15-05-2023</b>
9	Panoor	5 Micro Schemes	1.666	DPR is under preparation by the Kottoor Society. <b>Expected date for submission- - 15-05-2023</b>
10	Erattupetta	DPR for the Comprehensive scheme is yet to be prepared by KWA.	8.876	The project is to be revised as per the 5th SHPSC decision. The preliminary report from KWA is awaited.
		<b>25 projects</b>	<b>209.254</b>	

### **8.3.3 Sewerage & Septage Projects in 9 AMRUT Cities- Status**

Thiruvananthapuram, Kollam, Kochi, and Kozhikode submitted sewerage & septage project proposals amounting to Rs.489.63 Cr. and the same has been approved by the MoHUA (Thiruvananthapuram – SWAP-I, Kollam, Kochi & Kozhikode – SWAP-2). AS was issued for the SEW projects in Thiruvananthapuram, Kollam, and Kochi. The sewerage project proposed in Kozhikode for CAPEX Rs.164.20 Cr. has been placed in this SLTC for approval of AS.

### New Proposals for SWAP-3

ULB	Work Details	Status
<b>Alappuzha</b>	5 MLD STP with 13 KLD septage co-treatment at Alissery.	The proposal is included in the SWAP-3 projects.
<b>Kannur</b>	5 MLD STP at Maithanapalli with 130 KLD septage co-treatment	The proposal is included in the SWAP-3 projects.
<b>Thrissur</b>	5 MLD STP with 22 KLD septage co-treatment at Kottappuram	The proposal is included in the SWAP-3 projects.
<b>Thrissur</b>	Decentralized Sewerage Scheme for Thrissur Corporation (STP - 2.5 MLD at Kokkala, Technology - MBBR, Sewer Network - 25 Km.)	To be retendered (shifted from AMRUT-1.0). The proposal is included in the SWAP-3 projects.
<b>Guruvayoor</b>	Augmentation of existing 3 MLD STP to 5 MLD with 20 KLD septage co-treatment and 3.6 Km sewer network.	Approval of the Council to be obtained.
<b>Palakkad</b>	30 KLD STP for Municipal Buildings (Nature Based)	The proposal is included in the SWAP-3 projects.
<b>Kozhikode</b>	7 MLD STP at Avikkal Thodu - Zone-A, Package-A (Technology - MBBR)	Work stalled (shifted from AMRUT-1.0). The proposal is included in the SWAP-3 projects.
	48 Km sewer network- Zone-A, Package-A (Sewer Network - 48 Km, Pumping Station - 4 nos., Pumping Main - 1 Km & House Connection - 5501 nos.)	
<b>Kozhikode</b>	6 MLD STP at Kothi - Zone-A, Package-B (Technology - MBBR)	Work stalled (shifted from AMRUT-1.0). The proposal is included in the SWAP-3 projects.
	50 Km sewer network - Zone-A, Package-B (Sewer Network - 50 Km, Pumping Station - 3 nos., Pumping Main - 1.5 Km & House Connection - 9546 nos.)	

### **8.3.4 Expansion of SMMU and CMMUs of AMRUT**

Vide G.O.(MS)No.11/2023/LSGD dated 13.01.2023, Government approved the Proposed Staff Structure and Remuneration of the State Mission Management Unit and City Management Units. The recruitment process for new posts has been completed. The rank list is enclosed as Annexure 3.

- Smt. A Sheeja has joined the Mission as Deputy Mission Director (Water Supply) , Sri. Luqman M has joined as Deputy Mission Director (Used Water). Sri. Murali K has joined as Environmental Expert Cum Hydrogeologist.
- 10 experts have joined the CMMU team.
- A residential orientation/refresher training was conducted on the 2nd, 3rd, and 4th of May 2023 at IMG, Thiruvananthapuram.

#### ***Decision to be Taken:***

- The Committee may take note of the progress of AMRUT 2.0.
- The Committee may decide to reallocate the funds with Iritty and Mattannur Municipalities since a comprehensive scheme will be taken up under KIIFB.
- The Committee may direct ULBs to submit all the pending DPRs under tranches 1&2 and SWAP-3 proposals by 31<sup>st</sup> May 2023. The funds that remain unutilized as of 31<sup>st</sup> May 2023 may be reallocated to other ULBs in need.

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

The 4<sup>th</sup> Apex committee meeting approved the 1<sup>st</sup> 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 6<sup>th</sup> Apex committee held on 04.01.2023 approved the 2<sup>nd</sup> 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 183/208 Water Supply projects were received from various ULBs under tranches-1 & 2. The administrative sanction for 162 WS projects amounting to Rs.1398.24 Cr. (CAPEX) was accorded and Government orders were also issued for the same.

**9 ULBs have submitted 21 WS projects amounting to Rs.303.91 Cr. (CAPEX – Rs. 288.69 Cr. & OPEX – Rs.15.221 Cr.) including Micro Water supply schemes; (Detailed list enclosed as Annexure-4).**

Kothamangalam Municipality has submitted 8 Micro Water supply project proposals costing Rs.8.7 Cr. **An excess amount of Rs. 3.207 Cr. is required (Allocated fund- Rs. 7.99 Cr. 1 KWA & 8 MWSS projects costs Rs. 11.195 Cr.).**

An excess amount of **Rs. 52 lakhs** in the allocated fund is required for the Mavelikkara Municipality to take up the water supply projects. (Allocated fund- Rs. 7.944 Cr. 3 WS projects costs Rs. 8.465 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.

Sl 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	<b>GURUVAYUR</b> <b>SWAPI</b> <b>Capex (Cr.) 23.733</b> <b>O&amp;M(Cr.) 2.000</b> <b>Total cost- 25.733</b>	AMRUT 2 – SWAP-1-WSS to Guruvayur Municipality In Thrissur District – Construction of 10LL capacity OHSR, Clear water Pumping mains, Distribution lines Providing FHTCs and allied works.	23.730	2.000	25.730	1) 10 LL OHSR in Aankotta. 2) Clear water pumping main - 2.6 Km 3) Providing new FHTCs- 4300 Nos. 4) Existing connections served in -1462 5) Distribution network- 16.5 KM 6) Road restoration charges- Rs. 4.82 Cr.
2	<b>THRISSUR</b> <b>SWAPI</b> <b>Capex (Cr.) 6.000</b> <b>O&amp;M(Cr.) 0.600</b> <b>Total cost- 6.6</b>	AMRUT 2.0 - SWAP-1- Construction of 10LL capacity OHSR at Viyyur, supply and laying 250mm DI K9 pipe from Cheroor sump to OHSR.	6.000	0.600	6.600	1) 10 LL OHSR at Sandhyaramam. Padukad 2) Clear Water Pumping Main- 1.8 KM 3) Distribution network- 1.85 KM 4) Existing connections served in -1322 Nos.
3	<b>THRISSUR</b> <b>SWAPI</b> <b>Capex (Cr.) 32.000</b> <b>O&amp;M(Cr.) 3.200</b> <b>Total cost- 35.2</b>	AMRUT 2.0- SWAP-1 Construction of 6.0m dia intake well, Supply erection and commissioning of RW pump set, Construction and commissioning of 5MLD WTP at Arattupuzha, providing dedicated feeders, and providing 8000 numbers of FHTCs for ollur zone of Thrissur corporation	32.000	3.200	35.200	1) Construction of 6m diameter intake well and RW pumsets 50HP 2) Construction and commissioning of 5MLD WTP, SCADA 3) Providing 8000nos FHTCs 4) Existing connections served in -4193 5) LSGD & Corporation Road Restoration - 4.35 lakhs
4	<b>THRISSUR</b> <b>SWAPI</b> <b>Capex (Cr.) 19.00</b> <b>O&amp;M(Cr.) 1.90</b> <b>Total cost- 20.90</b>	AMRUT 2.0- SWAP-1- Construction of a new WTP of 4 MLD at Olari with a Pumping station at Pullazhi with connected works.	19.000	1.900	20.900	1) Construction and commissioning of 4 MLD WTP 2) Construction of 6.00 m dia Intake well cum pump house. 3) Construction of 6.00 m Dia RCC well cum pump house 4) Raw water pumping main- 2.45 KM 5) Renovation of existing GLSR 6) Providing 5614 FHTCs 7) Existing connections served in- 7450 8) Road restoration-16.10 Lakhs(Raw water pumping main)

Sl 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.)	
5	<b>THRISSUR</b> <b>SWAPI</b> Capex (Cr.) 6.000 O&M(Cr.) 0.600 Total cost- 6.600	AMRUT-2-SWAP-1- Thrissur Corporation - Construction of 5LL capacity OHSR at Poomkunnam including transmission main	6.000	0.600	6.600	1) Construction of 5 LL OHSR at Achuthamenon park Poonkunnam, 2) Distribution mains -1.5 KM 3) Road restoration- 36.10 Lakhs 4) Existing connections served in -2500
6A	<b>THRISSUR</b> <b>Replacement Project</b>	AMRUT 2.0- Construction of 10LL capacity OHSR at Viyyur - supply and laying 250mm DI K9 pipe from Cheroor sump to OHSR- Phase 2 -Supply, erection and commissioning of Centrifugal Pump set , Supply,, laying ,testing and commissioning of 200 mm DI K9 and 90mm PVC pipe.	3	0.010	3.010	1) 2 nos clear water pump set at Sump (one standby) for Viyyur OHSR 2) Extension of the the existing distribution lines -4.20 KM 3) Road Restoration Charges - PWD BMBC roads - Rs.4.65 lakhs. 4) Road Restoration Charges for Corporation roads - Rs.68.17 lakhs. 5) FHTCs - NIL 6) Existing connections served in-15,193 Nos
6B	<b>THRISSUR</b> <b>Replacement Project</b>	AMRUT 2.0 - Construction of 5LL capacity OHSR and 5 LL capacity Sump at Poomkunnam including transmission main- Phase II-Supply, Laying of 250mm DI clear water pumping main and supply erection and commissioning of motor pump sets.	5	0.200	5.200	1) Motor pump set for OHSR at Poomkunnam, 2) clear water pumping main from Thekkinkaadu to 5LL OHSR at Poonkunnam -2.5 km 3) Road restoration- Rs. 60.16 lakhs 4) FHTCs -NIL 5) Existing connections served in-3000 Nos
6C	<b>THRISSUR</b> <b>Replacement Project</b>	AMRUT 2.0- Replacing Existing 300 mm, 225 mm, 200 mm, 150 mm AC/CI pipe line with 200 mm, 160 mm DI/PVC pipe from West fort to Chettupuzha Bridge	10	0.200	10.200	1) Replacing existing pipe from westfort to chettupuzha bridge.- 10 KM 2) Road restoration charges-Rs. 2.83 Cr. 3) DLP charges of restored road-Rs. 30 lakhs 4) FHTCs - NIL 5) Existing connections served in- 3267 Nos
6D	<b>THRISSUR</b> <b>Replacement Project</b>	AMRUT 2.0- Improving Water Supply Distribution Network by Pipe lime Extension at	7	0.020	7.020	1) Extension of Distribution lines - 30.99 KM 2) Road restoration charges for BMBC roads-43.36 Lakhs 3) Road restoration charges for

Sl 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.)	
		Various wards in Thrissur Corporation.				Corporation roads - Rs.2.596 Cr.- 4)FHTC - NIL 5)Existing connection Served in -15193 Nos
7	<b>PATTAMBI</b> <b>SWAPI</b> Capex (Cr.) 7.040 O&M(Cr.) 0.700 Total cost- 7.740	AMRUT 2.0- SWAP-1- Augmentation of Existing Water Supply Scheme in Pattambi Municipality	7.040	0.700	7.740	1) Construction of 10.00 LL OHSR at Madhavankunnu 2) Augmentation of existing 2.5 MLD Clariflocculator to 4 MLD. 3) Renovation of Filter Beds 4) Renovation of the existing plant building 5) Renovation of clear water pump house 6)Renovating the existing raw water pump houses 7)Strengthening pumping Mains 8)Laying Pumping Main to Proposed 10 LL Overhead tank-1.2 KM. 9)Regulating the Existing mini water supply schemes 10) New FHTCs- 1000 11) Existing connections served in- 4581
8	<b>MAVELIKKARA</b> <b>SWAPI</b> Capex (Cr.) 0.10 O&M(Cr.) 0.005 Total cost- 0.105	"AMRUT 2.0 – SWAP-1-REPLACING 400MM PREMO TRANSMISSION MAIN USING 400MM DI PIPE IN MAVELIKKARA MUNICIPALITY"	0.153	0.020	0.173	1) Transmission main for a length of 400.00m 2) New FHTCs- 1050 3) Existing connections served in- 4466 4) Road restoration- 6.08 lakh"
9	<b>TANUR</b> <b>SWAPI</b> Capex (Cr.) 20.636 O&M(Cr.) 1.000 Total cost- 21.636	AMRUT 2.0 - SWAP-1- Providing FHTC from new WTP Scheme by providing additional distribution system- Tanur Municipality	20.360	1.018	21.378	1) Providing 22500 FHTCs 2) Distribution network-10 KM 3) Road restoration Charges- 16.46 lakhs
10	<b>KOCHI</b> <b>SWAPI</b> Capex (Cr.) 1.000 O&M(Cr.) 0.005 Total cost- 1.005	AMRUT 2.0- SWAP1- PRIORITY-3- Improving water supply to divisions 33,71 and 72- Replacing old and damaged 100 mm AC pipes in Thannikkal - Keerthinagar road and Perumbotta road	5.000	0.050	5.050	1) Replacing existing line as a Rider line with two parallel lines tp avoid cross cutting- 2 KM. 2) Existing connections served in- 5842 3) Road restoration charges- 2.061 Cr.

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.)	
11	<b>KOCHI Replacement Project</b>  <b>SWAPI</b> Capex (Cr.) 4.000 O&M(Cr.) 0.150 Total cost- 4.150	Amrut 2.0-Priority 25-Water supply improvement to Edakochi Zone-Construction of 5LL capacity GLSR,pump house,and supply and installation of Pump set	2.496	0.106	2.602	1) 5LL Ground Level Service Reservoir 2) FHTCs- 200 3) Existing connections served in- 5195 4) Providing Pump sets
12	<b>PAYYANNUR</b>  <b>SWAPI</b> Capex (Cr.) 23.211 O&M(Cr.) 1.161 Total cost- 24.372	AMRUT 2- SWAPI-PACKAGE I: WATER SUPPLY SCHEME TO PAYYANUR MUNICIPALITY IN KANNUR DISTRICT-INTAKE WELL CUM PUMPHOUSE & PACKAGE II: WSS TO PAYYANNUR MUNICIPALITY - PIPE LINE EXTENSION AND PROVIDING FUNCTIONAL WATER CONNECTION TO HOUSEHOLDS	23.210	1.162	24.372	1) Construction of 10.00 m dia intake well and pump house. 2) Construction of Transformer room at Intake Well Cum PumpHouse 4)Supply Erection and maintenance of 450 HP VT Pump set 5)Maintenance of WTP 6) Length of new network- 8.7 KM 7) Length of Pumping Mains- 300 M 8)FHTCs-6000
13	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) -1.50 O&M (Cr.) - 0.06 Total Cost - 1.56	Ward-12: Valiyapara 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-5.51 KM 5) Existing connections served in- 257 Nos
14	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 0.800 O&M (Cr.) - 0.030 Total Cost - 0.83	Ward-27: Vilayal Drinking Water Project	0.75	0.038	0.788	1)New intake well and pump house. 2)pumping system. 3)service reservoir. -0.25 LL 4)distribution network-2 KM 5) Existing connections served in- 122 Nos
15	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) -0.800 O&M (Cr.) - 0.030 Total Cost - 0.83	Ward-13: Puthuppady Drinking Water Project	1	0.050	1.050	1)New intake well and pump house. 2)pumping system. 3)service reservoir. -0.75 LL 4)distribution network-3.86 KM 5) Existing connections served in- 174 Nos

Sl 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.)	
16	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 0.520 O&M (Cr.) - 0.020 Total Cost - 0.54	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 <b>5) Existing connections served in- 169 Nos</b>
17	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 0.773 O&M (Cr.) - 0.030 Total Cost -0.803	Ward-25: South Venduvazhy Drinking Water Project	1.55	0.078	1.628	1)New intake well and pump house. 2)pumping system. 3)service reservoir.-1 LL 4)distribution network-4.71 KM <b>5) Existing connections served in- 269 Nos</b>
18	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 1.200 O&M (Cr.) - 0.050 Total Cost - 1.25	Ward-3&4: Karingazha Drinking Water Project	1.75	0.088	1.838	1)New intake well and pump house. 2)pumping system. 3)service reservoir.-1 LL 4)distribution network-7.55 KM <b>5) Existing connections served in- 270 Nos</b>
19	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 0.300 O&M (Cr.) - 0.040 Total Cost -0.34	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 <b>5) Existing connections served in- 125 Nos</b>
20	<b>KOTHAMANGALAM</b>  <b>SWAPI</b> Capex (Cr.) - 0.300 O&M (Cr.) - 0.120 Total Cost - 0.42	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 <b>5) Existing connections served in- 27 Nos</b>
21	<b>KOZHIKODE</b>  <b>Replacement Project</b>	AMRUT 2.0 - Augmentation of 174MLD to 210MLD of Peruvannamoozhi plant - Replacing of Premo and AC pipe transmission main at Malaparamba and Tali and providing FHTC's	110	3.000	113.000	1) Augmentation of Water Treatment plant of 174 MLD to 210 MLD 2) Replacing premo transmission main at malaparamba -4.75 KM 3) Length of New network-6.9 KM 4) 24 X 7 WS at the Corporation area 5) Road restoration- Rs.1.85Cr 6)FHTC - 15,00,0 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) Existing connection served in-95,087 Nos
		<b>TOTAL</b>	<b>288.689</b>	<b>15.22</b>	<b>303.909</b>	

All the DPRs of Kerala Water Authority have been scrutinized by the KWA Headquarters. **Only feasible projects with admissible components, undisputed land, and Operation & Maintenance for 5 years are recommended for approval.**

All the projects **except the Micro water supply projects** satisfied the criteria stipulated in the SHPSC for AMRUT 2.0- Cost per household benefitted less than or equal to Rs.50000/- and coverage achieved greater than 75%.

**Major Components proposed:**

- Micro Water supply schemes in Kothamangalam Municipality- 8 Nos (Source- Well and Pond)
- Source Augmentation – 62.18 MLD
- Construction and commissioning of 5MLD WTP at Arattupuzha in Thrissur.
- Construction and commissioning of 4 MLD WTP at Pullazhi in Thrissur.
- Augmentation of existing 2.5 MLD WTP to 4 MLD in Pattambi Municipality.
- Augmentation of 174MLD to 210MLD of Peruvannamoozhi plant in Kozhikode.
- Construction of 5 New Storage tanks.
- Transmission Network-21.52 KM
- New distribution network- 111.81 KM
- Replacement of existing lines- 16.75 KM
- Total New connections (FHTCs) – 65,077
- Existing Connections served in – 1,68,751
- Total households benefitted – 2,33,828

**Decision to be taken:**

The committee may recommend the following to the SHPSC:

- Issuance of Administrative Sanction for 21 WS projects amounting to Rs.303.91 Cr. (CAPEX – Rs. 288.69 Cr. & OPEX – Rs.15.221 Cr.)
- Additional fund for Kothamangalam and Mavelikkara Municipalities for an amount of Rs. Rs. 3.207 Cr. And Rs. 52 lakhs may be allocated from the floating fund for WS projects.
- 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.8.5: ADMINISTRATIVE SANCTION FOR THE SEWERAGE PROJECT OF KOZHIKODE CORPORATION (SWAP-2):**

The 6<sup>th</sup> 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 10 Water Supply projects of 9 ULBs, 3 Sewerage projects of 3 ULBs (Kollam, Kochi and Kozhikode Corporations) and 255 Water Body Rejuvenation projects of 67 ULBs.

KWA had submitted the Detailed Project Report (DPR) for the project proposed in Kozhikode Corporation (**Annexure-5**) for an amount of Rs.179.29 Cr. (CAPEX – Rs.164.20 Cr. & OPEX – Rs.15.09 Cr.). The DPR has been scrutinized by the KWA Headquarters. Only feasible projects with undisputed land and with Operation & Maintenance for 5 years are recommended for approval.

Vide letter no. EG21/ 71219/ 21 dated 31.03.2023 the Secretary Kozhikode Corporation has requested approval to meet the excess amount required for the Sewerage Sector of the ULB from the unutilized fund in the Water Body Rejuvenation Sector. The fund details are as follows:

Fund Allotted to the ULB in Sewerage Sector	– Rs.163.54 Cr.
Floating Fund Allotted	– Rs.139.03 Cr.
<b>Total Fund Available</b>	<b>– Rs.302.57 Cr. (1)</b>
Amount (CAPEX) required for the Sarovaram Sewerage Project	– Rs.164.20 Cr.
Amount (CAPEX) required for the projects transferred from AMRUT-1.0	– Rs.140.00 Cr.
<b>Total Amount Required</b>	<b>– Rs.304.20 Cr. (2)</b>
<b>Excess Amount Required</b>	<b>– Rs.1.63 Cr. (3)=(2) – (1)</b>
Total Fund available in the Water Body Rejuvenation & Park Sector	– Rs.143.34 Cr. (4)
Approved SWAP (1 & 2) Amount	– Rs.76.27 Cr. (5)
<b>Balance Amount Available</b>	<b>– Rs.67.07 Cr. (6)=(4) – (5)</b>

Details of the sewerage project of Kozhikode Corporation for which the AS is requested are as follows:

Sl. No.	ULB	Name of the Project	DPR PROJECT COST			Major Components
			CAPEX (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
1	Kozhikode	AMRUT 2.0 - SWAP-2 - Construction of 27 MLD Capacity Sewerage Treatment Plant and Laying Sewerage Network to Zone B - Phase I	164.20	15.09	179.29	<ul style="list-style-type: none"> <li>• 27 MLD STP – SBR Technology</li> <li>• Septage Co-treatment - 220 KLD</li> <li>• Sewer Network - 49.76 Km (new) &amp; 5.89 Km (existing)</li> <li>• Pumping Stations - 3 nos.</li> <li>• Lifting Stations - 2 nos.</li> </ul>

Sl. No.	ULB	Name of the Project	DPR PROJECT COST			Major Components
			CAPEX (Cr.)	O&M (Cr.)	Total Cost (Cr.)	
						<ul style="list-style-type: none"> <li>• Manholes - 1822 nos (new) &amp; 247 nos. (existing)</li> <li>• House Connection - 3128 nos.</li> </ul>
	<b>TOTAL</b>		<b>164.20</b>	<b>15.09</b>	<b>179.29</b>	

**Decision to be Taken:**

The committee may recommend the following to the SHPSC:

- Issuance of Administrative Sanction for the sewerage project proposed in Kozhikode Corporation, amounting to Rs.179.29 Cr. (CAPEX – Rs.164.20 Cr. & OPEX – Rs.15.09 Cr.).
- The over and above the SAAP amount shall be borne by the ULBs
- The TS shall be issued by KWA only after meeting the following conditions:
  - The project is technically feasible.
  - The provision for the reuse of effluent from STPs to be included.
  - 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.

The Committee may also take a suitable decision on the request of the Kozhikode Corporation to meet the excess amount required for the Sewerage Sector from the Water Body Rejuvenation & Park Sector and recommend the same to the SHPSC.

**Agenda Item No.8.6: ADMINISTRATIVE SANCTION OF 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 for maximum Central Assistance of 68.60 Crore. A 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 6<sup>th</sup> 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.**

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

**Now 37 ULBs submitted proposals for 123 Rejuvenation of Water Body projects proposed amounting to Rs. 44.459 Cr. (CAPEX – Rs.41.404 Cr. & OPEX - Rs.3.055 Cr.) (Annexure-6) as follows;**

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
1	<b>THRIKKAKARA</b> CAPEX (CR.)=0.25 O&M (CR.)=0.05 TOTAL COST (CR.)=0.3	AMRUT 2.0 REJUVENATION OF VALIYAKULAM AT PADAMUGHAL, WARD-28, THRIKKAKARA MUNICIPALITY	0.25	0.05	0.3	1) Renovation 2) Slab for footpath & footpath 3) drain
2	<b>RAMANATTUKARA</b> CAPEX (CR.)=0.41 O&M (CR.)=0.04 TOTAL COST (CR.)=0.45	AMRUT 2.0 - CHIRAKKAMKULAM POND REJUVENATION	0.856	0.04	0.896	1. Side protection works using DR masonry all around the pond, 2. Bailing out water 3. desilting of the pond, 4. fixing steel railing along sides
3	<b>HARIPAD</b> CAPEX (CR.)=0.8 O&M (CR.)=0.01 TOTAL COST (CR.)=0.81	AMRUT 2.0 REJUVENATION AND SIDE PROTECTION OF BALAMURUKA TEMPLE POND IN HARIPAD MUNICIPALITY	0.80	0.01	0.81	1.-Bailing out water 2.Earthwork in excavation 3. DR Masonry
4	<b>HARIPAD</b> CAPEX (CR.)=0.1 O&M (CR.)=0.01 TOTAL COST (CR.)=0.11	AMRUT 2.0- REJUVENATION AND SIDE PROTECTION OF PERUMKULAM TEMPLE POND IN HARIPAD MUNICIPALITY WARD 26	0.1	0.01	0.11	1. Bailing Out Water Using 2. Dry Rubble Masonry 3. Supplying And Fixing the Name Board

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
5	PAYYANNUR CAPEX (CR.)=0.35 O&M (CR.)=0.005 TOTAL COST (CR.)=0.355	AMRUT2.0-REJUVENATION OF PERUM KULAM IN PAYYANNUR MUNICIPALITY	0.35	0.005	0.355	1. Rejuvenation Of Pond 2. Earth Work In Excavation 3. Foundation For Compound Wall 4. Approach road 5. Dry rubble masonry 6. Laterite masonry 7. painting
6	PAYYANNUR CAPEX (CR.)=0.7 O&M (CR.)=0.01 TOTAL COST (CR.)=0.71	AMRUT2.0-REJUVENATION OF ANNUR VAYAL POND IN PAYYANNUR MUNICIPALITY	0.7	0.01	0.71	1. Rejuvenation Of Pond 2. Earth Work In Excavation 3. Footpath 4. Compound Wall 5. Dry Rubble Masonry
7	CHERTHALA CAPEX (CR.)=0.7 O&M (CR.)=0.01 TOTAL COST (CR.)=0.71	AMRUT 2.0-RENOVATION OF CHERAKULAM RENOVATION OF POND IN CHERTHALA MUNICIPALITY WARD 17	0.7	0.01	0.71	1. renovation of ponds 2. DR masonry 3. cleaning
8	WADAKKANCHERY CAPEX (CR.)=0.135 O&M (CR.)=0.015 TOTAL COST (CR.)=0.15	KUN AMRUTH 2.0 - WADAKKANCHERY MUNICIPALITY-REJUVENATION OF KUNJUKULAM JUKULAM	0.13828	0.01172	0.15000	1. Renovation Of Ponds 2. Dr Masonry 3. Cleaning, Pumping And Bailing Out 4. Earth Work
9	WADAKKANCHERY CAPEX (CR.)=0.36 O&M (CR.)=0.04 TOTAL COST (CR.)=0.4	AMRUT2.0-REJUVENATION OF ERATTAKULANGARA KULAM, IN WADAKKANCHERY MUNICIPALITY-DIV 9-GENERAL CIVIL WORK	0.38794	0.01206	0.40000	1. Renovation Of Ponds 2. Dr Masnory 3. Cleaning, Pumping And Bailing Out 4. Earth Work 5. Culvert
10	WADAKKANCHERY CAPEX (CR.)=0.099 O&M (CR.)=0.011 TOTAL COST (CR.)=0.11	- AMRUTH 2.0-WADAKKANCHERY MUNICIPALITY REJUVENATION OF AYYANKULAM DIV-32	0.098	0.0121	0.110	1. Pumping and bailing out 2. Earth work excavation 3. DR Masnory

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
11	WADAKKANCHERY CAPEX (CR.)=0.385 O&M (CR.)=0.015 TOTAL COST (CR.)=0.4	AMRUTH2.0- WADAKKANCHERY MUNICIPALITY REJUVENATION OF KAVATHUKULAM DIV-30-2022/23	0.386 6	0.0134 3	0.40 00	1.Pumping and bailing out 2.Earth work excavation 3.DR Masnory
12	WADAKKANCHERY CAPEX (CR.)=0.36 O&M (CR.)=0.04 TOTAL COST (CR.)=0.4	AMRUTH 2.0 WADAKKANCHERY MUNICIPALITY REJUVENATION OF CHULLIKKODE	0.388 3	0.0117	0.40 00	1.Pumping and bailing out 2.Earth work excavation 3.DR Masnory 4.RR Masnory
13	WADAKKANCHERY CAPEX (CR.)=0.36 O&M (CR.)=0.04 TOTAL COST (CR.)=0.4	AMRUT2.0- REJUVENATION OF KAITHAKODE CHIRA IN DIVISION NO. 14OF WADAKKANCHERY MUNICIPALITY	0.387 7	0.0124	0.40 00	1.Pumping and bailing out 2.Earth work excavation 3.DR Masnory 4.RR Masnory 5.Side protection
14	THODUPUZHA CAPEX (CR.)=0.03 O&M (CR.)=0.01 TOTAL COST (CR.)=0.04	AMRUT2.0- REJUVENATION OF UROOZHI POND	0.03	0.01	0.04	1. rejuvenation of pond 2.fixing of handrail 3. Remove the waste accumulated in the pond and protect the pond by constructing a fence around the pond.
15	THODUPUZHA CAPEX (CR.)=0.03 O&M (CR.)=0.0015 TOTAL COST (CR.)=0.0315	AMRUT 2.0- REJUVENATION OF VAZHAPPEEDIKA POND	0.03	0.0015	0.03 15	1. General cleaning. Clearing and other miscellaneous works 2.Bailing out water 3Water channel is given with drain provision and side wall support is given with a height of 2.5 m to avoid falting of soil and support for the mud road.
16	THODUPUZHA CAPEX (CR.)=0.25 O&M (CR.)=0.0125 TOTAL COST (CR.)=0.2625	AMRUT2.0- REJUVENATION OF PUTHUCHIRA POND	0.1	0.0125	0.11 25	1. providing pcc,plastering works, 2.Dry Rubble works, 3.solid block masonry works, 4. Fixing of handrail around the pond, Pointing works in the wall 5.cement primer works. 6. Interlocking paver block is also provided in the' approaching lane.

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
17	ALAPPUZHA CAPEX (CR.)=0.2608 O&M (CR.)=0.0052 TOTAL COST (CR.)=0.266	AMRUT-2.0 - REJUVENATION OF KANIYAMPARAMBU THODU AT ALAPPUZHA MUNICIPALITY	0.2608	0.0052	0.266	1. Retaining wall 2.DR Masnory 3.Earth work excavation 4.RR Masnory 5.
18	ALAPPUZHA CAPEX (CR.)=0.47 O&M (CR.)=0.03 TOTAL COST (CR.)=0.5	AMRUT2.0- REJUVENATION OF PONJIKKARA THODU IN ALAPPUZHA MUNICIPALITY	0.47	0.03	0.5	1. Retaining wall 2.DR Masonry 3.Earth work excavation 4.RR Masonry 5.
19	ALAPPUZHA CAPEX (CR.)=0.392 O&M (CR.)=0.008 TOTAL COST (CR.)=0.4	AMRUT-2.0 REJUVENATION OF VELIYAKULAM PUBLIC POND IN ALAPPUZHA MUNICIPALITY	0.392	0.008	0.4	1.STONE WORK 2.RCC belt 3.pond cleaning 4.Fencing
20	ALAPPUZHA CAPEX (CR.)=0.82 O&M (CR.)=0.02 TOTAL COST (CR.)=0.84	AMRUT 2.0- REJUVENATION OF PANCHARATHODU AT ALAPPUZHA MUNICIPALITY	0.342	0.008	0.350	1. Clearing grass and removal of rubbish 2. Earthwork in excavation 3. DR masonry 4. Earthwork excavation in or underwater
21	ALAPPUZHA CAPEX (CR.)=0.592 O&M (CR.)=0.02 TOTAL COST (CR.)=0.612	AMRUT 2.0 - REJUVENATION OF SHADAMONY THODU IN ALAPPUZHA MUNICIPALITY	0.592	0.02	0.612	1. Clearing grass and removal of rubbish 2. Earthwork in excavation 3. DR masonry 4. Earthwork excavation in or underwater
22	ALAPPUZHA CAPEX (CR.)=0.9 O&M (CR.)=0.05 TOTAL COST (CR.)=0.95	AMRUT 2.0- ALAPPUZHA MUNICIPALITY- REJUVENATION OF RANI THODU AT ALAPPUZHA MUNICIPALITY	0.9	0.05	0.95	1. Earthwork in excavation 2. DR masonry 3. Supplying and fitting TMT bars 4. Earthwork excavation in underwater
23	ELOOR CAPEX (CR.)=0.3 O&M (CR.)=0.015 TOTAL COST (CR.)=0.315	AMRUT2.0- REJUVENATION OF EDAMPADAM THODU IN WARD NO. 24 OF ELOOR MUNICIPALITY	0.4	0.015	0.415	1.DR Masnory 2.Earth work excavation 3.Clearing jungle 4.Pumping or bailing out

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
24	THRIPUNITHURA CAPEX (CR.)=0.5 O&M (CR.)=0.01 TOTAL COST (CR.)=0.51	AMRUT 2.0- REJUVANATION OF THAMMANDI POND	0.5	0.01	0.51	"1.ring bund 2.parapet 3.dry rubble masonry 4."
25	KOYILANDI CAPEX (CR.)=0.265 O&M (CR.)=0.0265 TOTAL COST (CR.)=0.2915	AMRUT 2.0- REJUVENATION OF NANAM CHIRA POND	0.265	0.0265	0.2915	1. Dismantling DR 2.DR MASNORY 3.Earth work 4.Pumping and bailing out 4.
26	KOYILANDI CAPEX (CR.)=0.25 O&M (CR.)=0.025 TOTAL COST (CR.)=0.275	AMRUT 2.0- REJUVENATION OF NAMBI VEETIL POND	0.25	0.025	0.275	1.Clearing jungle 2.DR MASNORY 3.Earth work 4.Pumping and bailing out 4.Silt Removal 5.Cement concrete pavement interlocking
27	KOYILANDI CAPEX (CR.)=0.21 O&M (CR.)=0.021 TOTAL COST (CR.)=0.231	AMRUT 2.0- REJUVENATION OF CHETTYATT POND	0.21	0.021	0.231	1.Earth work excavation 2.DR Masonry 3.RCC work 4.Cleaning and maintenance
28	CHAVAKKAD CAPEX (CR.)=0.4 O&M (CR.)=0.1 TOTAL COST (CR.)=0.5	AMRUT 2.0- RENOVATION OF PULICHIRAKETTU POND IN WARD -25	0.4	0.1	0.5	1.cleaning 2.retainig wall to separate pond from mathi kayal 3.compound wall in west & north side 4.foot path 5.name board
29	CHITTUR- THATHAMANGALAM CAPEX (CR.)=0.9841 O&M (CR.)=0.1 TOTAL COST (CR.)=1.0841	AMRUT 2.0- REJUVENATION OF KARYAKKAR POND	0.9841	0.1	1.0841	1.side protection 2.dismantling 3.dry rubble masonry 4.side protection 5.kulikadavu repair 6.plastering 7.step parapet wall 8.truss work 9.drain covering slab



SI No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
30	<b>CHITTUR-TATTAMANGALAM</b> Capex (Cr.)=0.9045 O&M (Cr.)=0.1005 Total Cost (Cr.)=1.005	AMRUT 2.0- REJUVENATION OF LANKESWARAM KULAM	0.904 5	0.1005	1.00 5	1. Cleaning vegetation 2. Bailing out water 3. Earthwork excavation 4. DR masonry 5. RCC top & intermediate belt
31	<b>KOTTAYAM</b> CAPEX (CR.)=0.4 O&M (CR.)=0.01 TOTAL COST (CR.)=0.41	AMRUT2.0- REJUVENATION OF LAKSHMIPURAM THODU IN WARD 39 OF KOTTAYAM MUNICIPALITY	0.4	0.01	0.41	1. Deepening 2. Side protection , 3.kadavu -construction 4.drain construction
32	<b>CHERPULASSERY</b> CAPEX (CR.)=0.87 O&M (CR.)=0.08 TOTAL COST (CR.)=0.95	AMRUT2.0- RENOVATION OF KODIYATHUKULAM (PUBLIC POND) IN WARD 25 OF CHERPULASSERY MUNICIPALITY	0.73	0.08	0.81	1.Pond rennovation 2.Earth work excavation 3.Pumping out and bailing out 4.DR Masnory 5.Stainless steel handrail 6.Name board
33	<b>IRINJALAKUDA</b> CAPEX (CR.)=0.4 O&M (CR.)=0.05 TOTAL COST (CR.)=0.45	AMRUTH 2.0 REJUVENATION OF MANAKULAM WARD:30	0.4	0.05	0.45	1.Side protection and padav 2.Earth work 3.Clearing jungle 4.PVC Wheep hole 5.Handrail
34	<b>IRINJALAKUDA</b> CAPEX (CR.)=0.4 O&M (CR.)=0.05 TOTAL COST (CR.)=0.45	AMRUTH 2.0 REJUVENATION OF HANUMANKULAM WARD:33	0.4	0.05	0.45	1.Clearing Jungle 2.Earth work 3.Ring Bund-Side protection 4.DR Masnory
35	<b>IRINJALAKUDA</b> CAPEX (CR.)=0.2 O&M (CR.)=0.05 TOTAL COST (CR.)=0.25	AMRUTH 2.0 REJUVINATION OF KATTAMBILLY KULAM IN WARD:1	0.2	0.05	0.25	1.Side Protection 2.Bailing out 3.Clearing Jungle 4.Earth works 5.DRM
36	<b>MANJERI</b> CAPEX (CR.)=0.4 O&M (CR.)=0.04 TOTAL COST (CR.)=0.44	AMRUT2.0- REJUVENATION OF KOVILAKAMKUNDU DEVATHAKUTAMPO ND IN WARD-32	0.4	0.04	0.44	1.Earth work Excavation 2.DR Packing 3.Pumping and bailing out

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
37	MANJERI CAPEX (CR.)=0.45 O&M (CR.)=0.045 TOTAL COST (CR.)=0.495	AMRUT 2.0- REJUVENATION OF EDAMANA POND IN WARD 40	0.45	0.045	0.495	1.Bailing Out 2.Chequerred Tile 3.Retaining wall 4.Earth work 5.Pond deepening 6.Fencing 7.Handrail
38	MANJERI CAPEX (CR.)=0.1 O&M (CR.)=0.01 TOTAL COST (CR.)=0.11	AMRUT 2.0- REJUVENATION OF KIZHAKKEKUNNU SC COLONY PUMP HOUSE POND IN WARD 25	0.126	0.01	0.136	1.Earth work Excavation 2.DR Packing 3.Pumping and bailing out
39	MANJERI CAPEX (CR.)=0.8 O&M (CR.)=0.08 TOTAL COST (CR.)=0.88	AMRUT 2.0- REJUVENATION OF NADUKKAPPARA POND IN WARD 21	0.82	0.08	0.9	1.Bailing Out 2.Chequerred Tile 3.White washing 4.Earth work 5.Pond deepening 6.Handrail
40	MANJERI CAPEX (CR.)=0.05 O&M (CR.)=0.005 TOTAL COST (CR.)=0.055	AMRUT 2.0- REJUVENATION OF THURAKKAL ULLAS NAGAR POND IN WARD 39-MANJERI MUNICIPALITY	0.05	0.005	0.055	1.DR Masnory 2.Berm pathway 3.Earth Work 4.Drainage 5.Bailing out
41	MANJERI CAPEX (CR.)=0.2 O&M (CR.)=0.02 TOTAL COST (CR.)=0.22	AMRUT 2.0- REJUVENATION OF THADAPRAMBU POND IN WARD-18 MANJERI MUNICIPALITY	0.242	0.02	0.262	1.RR Masnory 2.Handrail 3.Pumping and bailing out 4.Earth work
42	THRISSUR CAPEX (CR.)=0.7 O&M (CR.)=0.05 TOTAL COST (CR.)=0.75	AMRUT 2.0-- REJUVENATION OF KARAMUKKU KOLAM IN DIV 42	0.7	0.05	0.75	1.Dismanteling DR 2.Bailing out 3.Earth work 4.Silt Removal 5.Sidewall 6.Railings 7.Inter locking concrete pavement 8.Plantation

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
43	THRISSUR CAPEX (CR.)=0.5 O&M (CR.)=0.05 TOTAL COST (CR.)=0.55	AMRUT2.0-REJUVENATION OF ATTAKULAM POND IN DIVISION-28	0.322	0.05	0.372	1.Clearing Jungle 2.Bailing out 3.Earth work 4.Dismanteling DR 5.Side kettu 6.DRM 7.Steel handrail 8.Fixing name board
44	THRISSUR CAPEX (CR.)=1.75 O&M (CR.)=0.1 TOTAL COST (CR.)=1.85	AMRUT2.0-REJUVENATION OF THRIKKUMARAKUDAM KULAM IN DIVISION -51	1	0.1	1.1	1.Clearing Jungle 2.Bailing out 3.Earth work 4.Dismanteling DR 5.Ringbund 6.DRM
45	THRISSUR CAPEX (CR.)=0.5 O&M (CR.)=0.05 TOTAL COST (CR.)=0.55	AMRUT2.0-REJUVENATION OF PUTHANKULAM IN DIVISION-36	0.9	0.05	0.95	1.Clearing Jungle 2.Bailing out 3.Earth work 4.Dismanteling DR 5..DRM 6..Steel handrail 7.Fixing name board
46	THRISSUR CAPEX (CR.)=0.3 O&M (CR.)=0.03 TOTAL COST (CR.)=0.33	AMRUT2.0-REJUVENATION OF PUTHANKULAM DIVISION - 13	0.1	0.03	0.13	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Removing Silt
47	THRISSUR CAPEX (CR.)=0.5 O&M (CR.)=0.05 TOTAL COST (CR.)=0.55	AMRUT2.0 REJUVENATION OF KAITHAKULAM IN DIVISION-21	0.5	0.05	0.55	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Removing Silt
48	THRISSUR CAPEX (CR.)=0.7 O&M (CR.)=0.05 TOTAL COST (CR.)=0.75	AMRUT2.0-REJUVENATION OF CHORAAKULAM IN DIVISION-23	0.75	0.05	0.8	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Removing Silt
49	THRISSUR CAPEX (CR.)=0.5 O&M (CR.)=0.05 TOTAL COST (CR.)=0.55	AMRUT2.0-REJUVENATION OF AMBADIKULAM IN DIVISION-49	0.5	0.05	0.55	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Removing Silt 6.Side protection

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
50	<b>PALAKKAD</b> CAPEX (CR.)=0.125 O&M (CR.)=0.0125 TOTAL COST (CR.)=0.1375	AMRUT 2.0- REJUVENATION OF VARITHODU POND IN WARD-01 PALAKKAD MUNICIPALITY-	0.125 5	0.0125	0.13 8	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
51	<b>PALAKKAD</b> CAPEX (CR.)=0.18 O&M (CR.)=0.018 TOTAL COST (CR.)=0.198	AMRUT 2.0-- REJUVENATION OF VAIDHYANADHA SWAMI POND IN WARD-06 PALAKKAD MUNICIPALITY	0.18	0.018	0.19 8	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
52	<b>PALAKKAD</b> CAPEX (CR.)=0.49 O&M (CR.)=0.049 TOTAL COST (CR.)=0.539	AMRUT 2.0- REJUVENATION OF THAMARAKULAM POND IN WARD 50- PALAKKAD MUNICIPALITY	0.49	0.049	0.53 9	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
53	<b>PALAKKAD</b> CAPEX (CR.)=0.2 O&M (CR.)=0.02 TOTAL COST (CR.)=0.22	AMRUT 2.0- REJUVENATION OF PARAKULAM POND IN WARD-34 PALAKKAD MUNICIPALITY	0.2	0.02	0.22	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
54	<b>PALAKKAD</b> CAPEX (CR.)=0.3 O&M (CR.)=0.03 TOTAL COST (CR.)=0.33	AMRUT 2.0- REJUVENATION OF NURANI GRAMA KULAM IN WARD 39- PALAKKAD MUNICIPALITY	0.3	0.03	0.33	1.Clearing 2.Bailing out 3.Earth work 4.DRM
55	<b>PALAKKAD</b> CAPEX (CR.)=0.2974 O&M (CR.)=0.0297 TOTAL COST (CR.)=0.3271	AMRUT 2.0- REJUVENATION OF NEYITHARAMBULLI POND IN WARD-10 PALAKKAD MUNICIPALITY	0.297 3	0.0297	0.32 7	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
56	<b>PALAKKAD</b> CAPEX (CR.)=0.8 O&M (CR.)=0.08 TOTAL COST (CR.)=0.88	AMRUT2.0- REJUVENATION OF NAMBIYAR POND IN WARD-37 PALAKKAD MUNICIPALITY	0.8	0.08	0.88	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
57	<b>PALAKKAD</b> CAPEX (CR.)=0.12 O&M (CR.)=0.012 TOTAL COST (CR.)=0.132	AMRUT 2.0-REJUVENATION OF MOOTHANTHARA KSHETHRAM POND IN WARD-49 PALAKKAD MUNICIPALITY	0.12	0.012	0.132	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting 6.Handrail
58	<b>PALAKKAD</b> CAPEX (CR.)=0.287 O&M (CR.)=0.0287 TOTAL COST (CR.)=0.3157	AMRUT 2.0-REJUVENATION OF MANALANJERI POND IN WARD 36 – PALAKKAD MUNICIPALITY	0.2873	0.0287	0.316	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting 6.Handrail
59	<b>PALAKKAD</b> CAPEX (CR.)=0.08 O&M (CR.)=0.008 TOTAL COST (CR.)=0.088	AMRUT 2.0-REJUVENATION OF KAYATTU POND IN WARD 38 – PALAKKAD MUNICIPALITY	0.08	0.008	0.088	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
60	<b>PALAKKAD</b> CAPEX (CR.)=0.394 O&M (CR.)=0.0358 TOTAL COST (CR.)=0.4298	AMRUT 2.0-REJUVENATION OF KARNAKIYAMMAN VALIYANGADI POND IN WARD-42 PALAKKAD MUNICIPALITY	0.3582	0.0358	0.394	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
61	<b>PALAKKAD</b> CAPEX (CR.)=0.3312 O&M (CR.)=0.0331 TOTAL COST (CR.)=0.3643	AMRUT-REJUVENATION OF ARDHANAREESHWARAN POND IN WARD-36 PALAKKAD MUNICIPALITY	0.3309	0.0331	0.364	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Desilting
62	<b>NILAMBUR</b> CAPEX (CR.)=0.25 O&M (CR.)=0.025 TOTAL COST (CR.)=0.275	AMRUT 2.0 FENCING AND BEAUTIFICATION OF CHOORAKKULAM NILAMBUR MUNICIPALITY IN WARD 19	0.25	0.025	0.275	1.Bathand Dressing room 2.Cleaning
63	<b>NILAMBUR</b> CAPEX (CR.)=0.15 O&M (CR.)=0.015 TOTAL COST (CR.)=0.165	AMRUT 2.0 FENCING AND BEAUTIFICATION OF MANALODY POND NILAMBUR	0.15	0.015	0.165	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Interlock

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
		MUNICIPALITY IN WARD-22				6.Surface dressing 7.Handrail
64	NILAMBUR CAPEX (CR.)=0.15 O&M (CR.)=0.015 TOTAL COST (CR.)=0.165	AMRUT 2.0 FENCING AND BEAUTIFICATION OF KADUVAKKULAM NILAMBUR MUNICIPALITY IN WARD-29	0.15	0.015	0.165	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Handrail
65	NILAMBUR CAPEX (CR.)=0.15 O&M (CR.)=0.015 TOTAL COST (CR.)=0.165	AMRUT 2.0 FENCING AND BEAUTIFICATION OF THAMARAKULAM ANGANAVADI POND NILAMBUR MUNICIPALITY IN WARD-22	0.07	0.007	0.077	1.Clearing 2.Bailing out 3.Earth work 4.DRM 5.Parapett
66	NILAMBUR CAPEX (CR.)=0.15 O&M (CR.)=0.015 TOTAL COST (CR.)=0.165	AMRUT 2.0 FENCING AND BEAUTIFICATION OF THAMARAKULAM POND NILAMBUR MUNICIPALITY IN WARD-22	0.15	0.015	0.165	1.Surface dressing 2.DRM 3.Bailing out 4.Earthwork 5.Paving Tile 6.Cleaning
67	MUVATTUPUZHA CAPEX (CR.)=0.01 O&M (CR.)=0.0015 TOTAL COST (CR.)=0.0115	AMRUT2.0-REJUVENATION OF WELL IN WARD 17	0.01	0.0015	0.0115	1.Earth work in excavation 2.Pumping or Bailing out water 3.cleaning 4.Mesh 5.Plastering
68	MUVATTUPUZHA CAPEX (CR.)=0.01 O&M (CR.)=0.0015 TOTAL COST (CR.)=0.0115	AMRUT2.0-REJUVENATION OF WELL AT WARD 24	0.0102601	0.0015	0.0117601	1.Earth work in excavation 2.Pumping or Bailing out water 3.cleaning 4.Mesh 5.Plastering
69	MUVATTUPUZHA CAPEX (CR.)=0.01 O&M (CR.)=0.0015 TOTAL COST (CR.)=0.0115	AMRUT2.0-REJUVENATION OF WELL AT WARD 25	0.010005	0.0015	0.011505	1.Purnping or Bailing out water 2.Cleaning 3.Plastering and Painting 4.Earth work 5.Providing Mesh 6.Mesh

SI No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
70	MUVATTUPUZHA CAPEX (CR.)=0.27 O&M (CR.)=0.0405 TOTAL COST (CR.)=0.3105	AMRUT2.0-REJUVENATION OF MARADI KULAM AT WARD 20	0.276 235	0.0405	0.31 6735	1.Purnping or Bailing out water 2.Cleaning 3.Plastering and Painting 4.Earth work 5.Providing Mesh 6.Mesh 7.DRM
71	MUVATTUPUZHA CAPEX (CR.)=0.3 O&M (CR.)=0.045 TOTAL COST (CR.)=0.345	AMRUT2.0-REJUVENATION OF AMBATTUKULAM	0.340 7837	0.045	0.38 5783 7	1.Purnping or Bailing out water 2.Cleaning 3.Plastering and Painting 4.Earth work 5.Providing Mesh 6.DRM
72	MUVATTUPUZHA CAPEX (CR.)=0.28 O&M (CR.)=0.042 TOTAL COST (CR.)=0.322	AMRUT2.0-REJUVENATION OF MANAKUDY POND	0.28	0.042	0.32 2	1.Purnping or Bailing out water 2.Cleaning 3.Plastering and Painting 4.Earth work 5.Providing Mesh 6.DRM
73	MAVELIKKARA CAPEX (CR.)=0.168 O&M (CR.)=0.042 TOTAL COST (CR.)=0.21	AMRUT2.0 REJUVENATION OF KATTUVALLIL EARAAMTHOTTAM PALAM	0.21	0.0042	0.21 42	1.Marshy soil excavation 2.Cleaning 3.Bailing out 4.Rubble work pointing
74	MAVELIKKARA CAPEX (CR.)=0.5085 O&M (CR.)=0.145 TOTAL COST (CR.)=0.6535	AMRUT2.0-REJUVENATION OF VELLOORKULAM IN WARD11	0.653 5	0.0130 7	0.66 657	1. Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt 5.Parapet wall with hand rail
75	MAVELIKKARA CAPEX (CR.)=0.1565 O&M (CR.)=0.03912 TOTAL COST (CR.)=0.19562	AMRUT2.0-REJUVENATION OF KAAPPUKULAM IN WARD 15	0.195 62	0.0039 124	0.19 9532 4	1. Earthwork 2. Cleaning 3. Bailing out 4. DR masonry with intermediate concrete belt 5.Parapet wall with stainless steel hand rail

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
76	<b>MAVELIKKARA</b> <b>CAPEX (CR.)=0.233</b> <b>O&amp;M (CR.)=0.0525</b> <b>TOTAL COST (CR.)=0.2855</b>	AMRUT 2.0-REJUVENATION OF KOTTATHODE IN WARD 10	0.285 5	0.0057 1	0.29 121	1.Earthwork 2.Cleaning 3.Bailing out 4.DR masonry 5.Concrete side wall 6.RCC covering slab
77	<b>KANNUR</b> <b>CAPEX (CR.)=0.27</b> <b>O&amp;M (CR.)=0.003</b> <b>TOTAL COST (CR.)=0.273</b>	AMRUT 2.0-REJUVENATION OF CHALA TEMPLE POND IN KANNUR MUNICIPAL CORPORATION	0.201 6351	0.003	0.20 4635 1	1. Clearing and grubbing road land 2. Bailing out 3. Rubble stone masonry 4. Earthwork
78	<b>KANNUR</b> <b>CAPEX (CR.)=0.21</b> <b>O&amp;M (CR.)=0.0025</b> <b>TOTAL COST (CR.)=0.2125</b>	AMRUT 2.0-REJUVENATION OF VALIYAKULAM IN KANNUR MUNICIPAL CORPORATION	0.140	0.0025 0	0.14 2	1. Clearing and grubbing road land 2. Bailing out 3. Rubble stone masonry 4. Earthwork
79	<b>KANNUR</b> <b>CAPEX (CR.)=1.98</b> <b>O&amp;M (CR.)=0.02</b> <b>TOTAL COST (CR.)=2</b>	AMRUT 2.0 - REJUVENATION OF KEEZHUNNA TEMPLE POND IN KANNUR MUNICIPAL CORPORATION	1.500 4061	0.02	1.52 0406 1	1. Clearing and grubbing road land 2. Bailing out 3. Earthwork 4. DR masonry
80	<b>KANNUR</b> <b>CAPEX (CR.)=0.29</b> <b>O&amp;M (CR.)=0.005</b> <b>TOTAL COST (CR.)=0.295</b>	AMRUT 2.0-REJUVENATION OF CHETTIYAR KULAM IN KANNUR MUNICIPAL CORPORATION	0.178 7356	0.005	0.18 3735 6	1. Clearing and grubbing road land 2. Bailing out 3. Earthwork
81	<b>MANNARKKAD</b> <b>CAPEX (CR.)=0.13</b> <b>O&amp;M (CR.)=0.02</b> <b>TOTAL COST (CR.)=0.15</b>	AMRUT 2.0-REJUVENATION OF CHIRAKULAM POND IN MANNARKKAD MUNICIPALITY	0.13	0.02	0.15	1. Earthwork 2. Bailing out water 3. Dismantling DR 4. DR masonry 5. Interlock
82	<b>MANNARKKAD</b> <b>CAPEX (CR.)=0.25</b> <b>O&amp;M (CR.)=0.01</b> <b>TOTAL COST (CR.)=0.26</b>	AMRUT 2.0-REJUVENATION OF CHOMERI POND IN MANNARKKAD MUNICIPALITY	0.148	0.01	0.15 8	1. Earthwork 2. Bailing out water 3. Dismantling DR 4. DR masonry 5. Interlock



Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
83	<b>MANNARKKAD</b>  CAPEX (CR.)=0.25 O&M (CR.)=0.01 TOTAL COST (CR.)=0.26	AMRUT 2.0- REJUVENATION OF PAVADIKULAM POND IN MANNARKKAD MUNICIPALITY	0.192	0.01	0.20 2	1. Earthwork 2. Bailing out water 3. Dismantling DR 4. DR masonry
84	<b>PERINTHALMANNA</b>  CAPEX (CR.)=0.04 O&M (CR.)=0.005 TOTAL COST (CR.)=0.045	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY - REJUVENATION OF PARAKODE KULAM WARD-13 GENERAL CIVIL WORK	0.04	0.005	0.04 5	1. Earthwork 2. DR masonry 3. Centering 4. Pumping
85	<b>PERINTHALMANNA</b>  CAPEX (CR.)=0.04 O&M (CR.)=0.004 TOTAL COST (CR.)=0.044	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY- ANAKUNDUMUNDAT HA PALAM KULAM WARD-4 GENERAL CIVIL WORK	0.04	0.004	0.04 4	1. Earthwork 2. DR masonry 3. Centering 4. Pumping
86	<b>PERINTHALMANNA</b>  CAPEX (CR.)=0.05 O&M (CR.)=0.005 TOTAL COST (CR.)=0.055	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY- REJUVENATION OF PONNIYAKURSSI KULAM WARD-6 GENERAL CIVIL WORK	0.05	0.005	0.05 5	1. Earthwork 2. DR masonry 3. Centering 4. Pumping
87	<b>PERINTHALMANNA</b>  CAPEX (CR.)=0.08 O&M (CR.)=0.008 TOTAL COST (CR.)=0.088	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY- REJUVENATION OF KORAKULAM- REJUVENATION OF KORAKULAM IN WARD-14 GENERAL CIVIL WORK	0.08	0.008	0.08 8	1. Earthwork 2. DR masonry 3. Centring 4. Pumping
88	<b>PERINTHALMANNA</b>  CAPEX (CR.)=0.1 O&M (CR.)=0.01 TOTAL COST (CR.)=0.11	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY- REJUVENATION OF NARIYENGAL KULAM GENERAL CIVIL WORK	0.1	0.01	0.11	1. Earthwork 2. DR masonry 3. Centring 4. Pumping

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
89	PERINTHALMANNA CAPEX (CR.)=0.06 O&M (CR.)=0.006 TOTAL COST (CR.)=0.066	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY - REJUVENATION OF NELLIPADAM KULAM WARD-20 GENERAL CIVIL WORK	0.060	0.006	0.066	1. Earthwork 2. DR masonry 3. Centring 4. Pumping
90	PERINTHALMANNA CAPEX (CR.)=0.03 O&M (CR.)=0.005 TOTAL COST (CR.)=0.035	AMRUT 2.0 - PERINTHALMANNA MUNICIPALITY- REJUVENATION OF EANIPPARAKULAM WARD -34 GENERAL CIVIL WORK	0.030	0.005	0.035	1. Earthwork 2. DR masonry 3. Centring 4. Pumping
91	PERINTHALMANNA CAPEX (CR.)=0.08 O&M (CR.)=0.001 TOTAL COST (CR.)=0.081	AMRUT 2.0 - PERINTHALMANNA MUNICIPALITY- REJUVENATION OF CHALIYAM KULAM WARD -7 GENERAL CIVIL WORK	0.080	0.001	0.081	1. Earthwork 2. DR masonry 3. Centring 4. Pumping
92	PERINTHALMANNA CAPEX (CR.)=0.08 O&M (CR.)=0.008 TOTAL COST (CR.)=0.088	AMRUT2.0- PERINTHALMANNA MUNICIPALITY- REJUVENATION OF PUTHANKULAM WARD 5- GENERAL CIVIL WORK	0.080	0.008	0.088	1. Earthwork 2. DR masonry 3. Centring 4. Pumping
93	FEROKE CAPEX (CR.)=0.25 O&M (CR.)=0.025 TOTAL COST (CR.)=0.275	AMRUT 2.0- AMRUT PROJECT- RENOVATION OF THULASSERI KULAM, DIV 16 GENERAL CIVIL WORK	0.23	0.025	0.255	1. Clearing jungle 2. Pumping and bailing out water 3. Earthwork excavation 4. DR masonry 5. Shuttering
94	FEROKE CAPEX (CR.)=0.25 O&M (CR.)=0.025 TOTAL COST (CR.)=0.275	AMRUT 2.0- AMRUT PROJECT- RENOVATION OF MOOTHEDATH KULAM, DIV 28 GENERAL CIVIL WORK	0.23	0.025	0.255	1. Clearing jungle 2. Pumping and bailing out water 3. Earthwork excavation 4. DR masonry 5. Shuttering

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
95	<b>FEROKE</b>  CAPEX (CR.)=0.2 O&M (CR.)=0.02 TOTAL COST (CR.)=0.22	AMRUT 2.0- AMRUT PROJECT- RENOVATION OF MANGALASSERI KULAM- DIV 7 GENERAL CIVIL WORK	0.18	0.02	0.2	1. Clearing jungle 2. Pumping and bailing out water 3. Earthwork excavation 4. DR masonry 5. Shuttering
96	<b>KALPETTA</b>  CAPEX (CR.)=0.5 O&M (CR.)=0.01 TOTAL COST (CR.)=0.51	AMRUT 2.0- RENOVATION OF POND AT TRENCHING GROUND- KALPETTA MUNICIPALITY- GENERAL CIVIL WORK	0.5	0.01	0.51	1. Excavation 2. Pumping or bailing out 3. Filling 4. Supplying, fitting and placing
97	<b>ANTHOOR</b>  CAPEX (CR.)=1.75 O&M (CR.)=0.015 TOTAL COST (CR.)=1.765	AMRUT 2.0- REJUVENATION OF KUNJUKULAM POND IN ANTHOOR MUNICIPALITY	1.615	0.15	1.765	1. Pumping 2. Earth work in excavation 3. DR masonry 4. Steel reinforcement for RCC 5. Centring and shuttering
98	<b>KODUNGALLUR</b>  CAPEX (CR.)=1.07 O&M (CR.)=0.1 TOTAL COST (CR.)=1.17	AMRUT 2.0- REJUVENATION OF ARAKULAM IN KODUNGALLUR MUNICIPALITY	1.077	0.09292	1.170	1. Bailing out water 2. Earthwork excavation 3. Filling 4. DR masonry 5. Centring and shuttering
99	<b>SULTHAN BATHERY</b>  CAPEX (CR.)=0.4 O&M (CR.)=0.04 TOTAL COST (CR.)=0.44	AMRUT 2.0- REJUVENATION OF KUPPADI - PUTHUCHOLA POND IN SULTHAN BATHERY MUNICIPALITY	0.400	0.01	0.410	1. Earthwork excavation 2. DR masonry 3. Steel reinforcement for RCC work 4. Centring and shuttering 5. Pumping or bailing out water
100	<b>SULTHAN BATHERY</b>  CAPEX (CR.)=0.45 O&M (CR.)=0.045 TOTAL COST (CR.)=0.495	AMRUT 2.0- REJUVENATION WORKS TO KAITHAKKAD POND IN SULTHAN BATHERY MUNICIPALITY WAYANAD DISTRICT	0.45	0.01	0.46	1. Earthwork excavation 2. DR masonry 3. Steel reinforcement for RCC work 4. Centring and shuttering 5. Pumping or bailing out water

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
101	<b>CHANGANASSERY</b> CAPEX (CR.)=0.6 O&M (CR.)=0.011 TOTAL COST (CR.)=0.611	AMRUT 2.0- CHANGANACHERY MUNICIPALITY- WARD 35- REJUVENATION OF THAMARAKULAM POND	0.589	0.011	0.6	1. Pumping or bailing out water 2. Earthwork in excavation 3. DR masonry 4. Steel reinforcement for RCC work 5. Centring and shuttering
102	<b>KARUNAGAPALLY</b> CAPEX (CR.)=0.12 O&M (CR.)=0.012 TOTAL COST (CR.)=0.132	AMRUT 2.0- REJUVENATION OF NAGARI POND IN DIV 19 OF KARUNAGAPPALLY MUNICIPALITY	0.12	0.012	0.13 2	1. Pumping or bailing out water 2. Earthwork excavation 3. Dismantling DR 4. DR masonry 5. Centring and shuttering 6. Steel reinforcement for RCC work
103	<b>KARUNAGAPALLY</b> CAPEX (CR.)=0.12 O&M (CR.)=0.012 TOTAL COST (CR.)=0.132	AMRUT 2.0- REJUVENATION OF SHASTHANADA POND IN DIV 22 OF KARUNAGAPPALLY MUNICIPALITY	0.12	0.012	0.01 32	1. Pumping or bailing out water 2. Earthwork excavation 3. Dismantling DR 4. DR masonry 5. Centring and shuttering 6. Steel reinforcement for RCC work
104	<b>KARUNAGAPALLY</b> CAPEX (CR.)=0.12 O&M (CR.)=0.012 TOTAL COST (CR.)=0.132"	AMRUT 2.0- REJUVENATION OF MAMPOZHIL POND IN DIV 2 KARUNAGAPPALLY MUNICIPALITY	0.12	0.012	0.13 2	1. Pumping or bailing out water 2. Earthwork excavation 3. Dismantling DR 4. DR masonry 5. Centring and shuttering 6. Steel reinforcement for RCC work
105	<b>KARUNAGAPALLY</b> CAPEX (CR.)=0.09 O&M (CR.)=0.009 TOTAL COST (CR.)=0.099	AMRUT 2.0- REJUVENATION OF VALIYATH POND IN DIV 26 KARUNAGAPPALLY MUNICIPALITY	0.087	0.012	0.09 9	1. Pumping or bailing out water 2. Earthwork excavation 3. Dismantling DR 4. DR masonry 5. Centring and shuttering 6. Steel reinforcement for RCC work
106	<b>KOOTHATTUKULAM</b> CAPEX (CR.)=0.5 O&M (CR.)=0.025 TOTAL COST (CR.)=0.525	AMRUT 2.0- REJUVANATION OF VENKULAM WATER BODY	0.5	0.025	0.52 5	1. Earthwork excavation 2. Bailing out water 3. DR masonry 4. Centring and shuttering

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
107	CHENGANNUR CAPEX (CR.)=0.18 O&M (CR.)=0.04 TOTAL COST (CR.)=0.22	AMRUT 2.0- REJUVENATION OF THITTAMEL TEMPLE POND IN CHENGANNUR MUNICIPALITY	0.027 1308	0.04	0.06 7130 8	1. Filling 2. Providing & laying 3. Providing & fixing handrail 4. Painting
108	CHENGANNUR CAPEX (CR.)=0.12 O&M (CR.)=0.006 TOTAL COST (CR.)=0.126	AMRUT 2.0- REJUVENATION OF KODIYATTUKARA DWANWATHARI TEMPLEPOND	0.343 8112	0.006	0.34 9811 2	1. Earthwork in excavation 2. DR masonry 3. Rcc work 4. Providing & fixing handrail 5. Painting
109	CHENGANNUR CAPEX (CR.)=0.03 O&M (CR.)=0.005 TOTAL COST (CR.)=0.035	AMRUT 2.0- REJUVENATION OF BHADRESWARAM TEMPLE POND IN CHENGANNUR MUNICIPALITY	0.258 842	0.005	0.26 3842	1. Earthwork in excavation 2. Rcc work 3. Steel reinforcement for RCC work 4. Providing & fixing handrail 5. Painting
110	CHENGANNUR CAPEX (CR.)=0.4 O&M (CR.)=0.04 TOTAL COST (CR.)=0.44	AMRUT 2.0- REJUVENATION OF VALIYA KUALATHIN PATTUKULAM	0.711 4299	0.04	0.75 14	1. Earthwork in excavation 2. DR masonry 3. RCC work in walls 4. Steel reinforcement for RCC
111	PATHANAMTHITTA CAPEX (CR.)=0.25 O&M (CR.)=0.05 TOTAL COST (CR.)=0.3	AMRUT 2.0- ARABIC COLLEGE POND RENOVATION IN WARD-14 - AMRUTH PROJECT- GENERAL CIVIL WORK	0.110 2	0.05	0.16 02	1. Providing and laying 2. Painting 3. Bailing out water 4. Sidewall 5. Construction of embankment
112	PATHANAMTHITTA CAPEX (CR.)=0.73 O&M (CR.)=0.02 TOTAL COST (CR.)=0.75	AMRUT 2.0- SUBALAPARK RENOVATION - WARD 4- GENERAL CIVIL WORK	0.75	0.02	0.77	1. Excavation 2. DR masonry 3. Supplying, fitting & placing 4. Construction of embankment
113	PERINTHALMANNA CAPEX (CR.)=0.1 O&M (CR.)=0.01 TOTAL COST (CR.)=0.11	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY- MELECHOLAKULAM WARD-13- GENERAL CIVIL WORK	0.1	0.01	0.11	1. Earthwork in excavation 2. DR masonry 3. Centring & shuttering 4. Pumping out water

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
114	<b>PERINTHALMANNA</b> <b>CAPEX (CR.)=0.03</b> <b>O&amp;M (CR.)=0.005</b> <b>TOTAL COST (CR.)=0.035</b>	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY-REJUVENATION OF ASARIKULAM-GENERAL CIVIL WORK	0.03	0.005	0.035	1. Earthwork in excavation 2. DR masonry 3. Centring & shuttering 4. Pumping out water
115	<b>PERINTHALMANNA</b> <b>CAPEX (CR.)=0.04</b> <b>O&amp;M (CR.)=0.005</b> <b>TOTAL COST (CR.)=0.045</b>	AMRUT 2.0- PERINTHALMANNA MUNICIPALITY-REJUVENATION OF CHERUKULAM WARD-15- GENERAL CIVIL WORK	0.04	0.005	0.045	1. Earthwork in excavation 2. DR masonry 3. Centring & shuttering 4. Pumping out water
116	<b>ETTUMANOOR</b> <b>Capex (Cr.)=0.054</b> <b>O&amp;M (Cr.)=0.002</b> <b>Total Cost (Cr.)=0.056</b>	AMRUT 2.0- WATERBODY REJUVENATION - RENOVATION OF RAJEEV GANDHI COLONY POND IN WARD 2	0.054	0.002	0.056	1. Earthwork excavation 2. RR masonry 3. Laying 4. Bailing out water 5. Steel work
117	<b>ETTUMANOOR</b> <b>Capex (Cr.)=0.03</b> <b>O&amp;M (Cr.)=0.0015</b> <b>Total Cost (Cr.)=0.0315</b>	AMRUT 2.0- WATER BODY REJUVENATION-RENOVATION OF CHIRAKULAM IN WARD 32	0.03	0.0015	0.0315	1. Earthwork excavation 2. Removing boulders & mud 3. Bailing out water 4. Repairing ornamental posts
118	<b>ETTUMANOOR</b> <b>Capex (Cr.)=0.159</b> <b>O&amp;M (Cr.)=0.005</b> <b>Total Cost (Cr.)=0.164</b>	AMRUT 2.0- WATERBODY REJUVENATION-RENOVATION OF KUREECHIRA POND IN WARD 1	0.139	0.005	0.144	1. Earthwork excavation 2. Laying 3. DR masonry 4. Bailing out water 5. Steel reinforcement for RCC
119	<b>ETTUMANOOR</b> <b>Capex (Cr.)=0.04</b> <b>O&amp;M (Cr.)=0.002</b> <b>Total Cost (Cr.)=0.042</b>	AMRUT 2.0- WATER BODY REJUVENATION - CLEANING & PROTECTION ( GRILL WORK) OF DRINKING WATER POND IN WARD 32	0.04	0.002	0.042	1. Earthwork excavation 2. Bailing out water 3. Solid masonry 4. Steel work 5. Painting

Sl No.	ULB	Name of the work	Amount as Per DPR			Major Components as per DPR
			Capex (Cr.) (a)	O&M (Cr.)	Total Cost	
120	<b>ETTUMANOOR</b> Capex (Cr.)=0.5 O&M (Cr.)=0.05 Total Cost (Cr.)=0.55	AMRUT 2.0- WATERBODY REJUVENATION- KANIKULAM MAINTENANCE IN WARD 9	0.39	0.05	0.44	1. Bailing out water 2. Earthwork excavation 3. DR masonry 4. Steel reinforcement for RCC 5. Side protection
121	<b>PATTAMBI</b> Capex (Cr.)=0.3 O&M (Cr.)=0.015 Total Cost (Cr.)=0.315	AMRUT 2.0- AMRUT SAROVAR MISSION - REJUVENATION OF WATERBODIES IN PATTAMBI MUNICIPALITY- MELEKULAM- GENERAL CIVIL WORK	0.27	0.03	0.3	1. Pumping or bailing out water 2. Centring and shuttering 3. Steel reinforcement for RCC work
122	<b>PATTAMBI</b> Capex (Cr.)=0.15 O&M (Cr.)=0.0075 Total Cost (Cr.)=0.1575	AMRUT 2.0- AMRUT SAROVAR MISSION - REJUVENATION OF WATER BODIES IN PATTAMBI MUNICIPALITY- PERUMALKULAM- GENERAL CIVIL WORK	0.384	0.01	0.394	1. Clearing jungle 2. Demolishing stone rubble masonry 3. Pumping or bailing out water 4. Earthwork in excavation 5. DR packing
123	<b>PATTAMBI</b> Capex (Cr.) =0.15 O&M (Cr.) =0.0075 Total Cost (Cr.) =0.1575	AMRUT 2.0- AMRUT SAROVAR MISSION - REJUVENATION OF WATER BODIES IN PATTAMBI MUNICIPALITY- KOTTOLIKULAM- GENERAL CIVIL WORK	0.283	0.01	0.293	1. Clearing jungle 2. Pumping or bailing out water 3. Earthwork excavation 4. DR masonry 5. Centering and shuttering
	<b>TOTAL</b>		<b>41.404</b>	<b>3.055</b>	<b>44.459</b>	

**Decision to be taken:**

The committee may recommend the following to the SHPSC:

- Issuance of Administrative Sanction for 123 projects for Rejuvenation of Water Bodies proposed amounting to Rs. 44.459 Cr. (CAPEX – Rs.41.404 Cr. & OPEX - Rs.3.055 Cr.)
- The over and above the SAAP amount shall be borne by the ULBs
- TS shall be issued 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.
- **The Central Assistance for urban development projects should not cover the costs of Operation & Maintenance 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.8.7: REPLACEMENT OF WATER SUPPLY PROJECT IN KOCHI CORPORATION APPROVED UNDER THE 1<sup>ST</sup> TRANCHE OF SWAP:**

Kochi Corporation has submitted 26 water supply projects for an amount of Rs. 163.75 Cr under the 1<sup>st</sup> and 2<sup>nd</sup> tranches of SWAP.

One of the projects under SWAP was **the construction of a new Overhead Service Reservoir (OHSR) of 15 lakh liter capacity at the Fortkochi tank site for CAPEX Rs.4 Cr.** This project was approved by Kochi Municipal Corporation Council on 21/06/2022 based on the recommendation of Kerala Water Authority PH Division Kochi. However, during a subsequent inspection by KWA, **it was found that the proposed site did not have enough space to accommodate the new OHSR.**

Amrut Core Committee and Kochi Corporation decided to replace this project with another project- **the construction of a 5 lakh liter capacity Ground Level Service Reservoir (GLSR), pump house, and supply and installation of pump set at Edakochi OHSR for CAPEX Rs.2.496 Cr.** This project was recommended by the Corporation Council on 28.02.2023 (**Annexure-7**). The new GLSR will complement the ongoing construction of a 13 lakh liter capacity OHSR at Edakochi under AMRUT 1st phase and will ensure smooth and efficient water supply to the area.



**Decision to be taken:**

- **The Committee may approve the Replacement of the project - Construction of a new OHSR of 15 lakh litre capacity at the Fort Kochi tank site for CAPEX Rs.4 Cr with the 5LL CAPACITY GLSR (Ground Level Service Reservoir), pump house, and supply and installation of pump set at Edakochi OHSR for CAPEX Rs.2.496 Cr.**

**Agenda Item No.8.8: O & M STRATEGY FOR STPS PROPOSED BY KWA UNDER AMRUT:**

The 2nd SHPSC decided that KWA will bear the O & M costs for projects implemented by KWA. In the 6th SLTC (Agenda No.4), KWA agreed to bear the O & M costs for water supply projects as they collect water charges. However, they requested that ULB may bear the O & M costs for STPs to avoid a financial burden on KWA. They also requested that the same arrangement for Muttathara STP in Trivandrum, where ULB pays for O & M, may be followed for the STPs proposed under AMRUT-2.0.

The 6th SLTC had directed KWA, TVM ULB & AMRUT to prepare 2 or 3 business models for long-term O & M sustainability for all the cities based on the financial situations of cities, prevailing Tariff, and user-cost recovery (financial) strategy.

The MD of KWA has now proposed three options for meeting the O & M costs of the STPs under AMRUT-2.0.

*(Current sewer charges is 11.02% of water charges and O & M Charges considered by KWA for calculation is Rs.20/ KLD)*

The options are:

- 1) Increase of Sewer Charges to 50% of Water Charges - 65% of O & M expenses can be met.
- 2) Increase of Sewer Charges to 70% of Water Charges - 85% of O & M expenses can be met.
- 3) Increase of Sewer Charges to 90% of Water Charges - 100% of O & M expenses can be met.

The letter no. KWA/JB/PIU2/10/JJM-URBAN/2021 PART III dated 13.04.2023(Annexure-8) contains the details of these options.

**Decision to be taken:**

- **The Committee may take a suitable decision on the O & M strategy to be adopted for the STPs planned to be implemented under AMRUT-2.0 through KWA.**

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

Vide G.O. (Rt) No. 565/ 2022/ LSGD dated 09.03.2022, Government has entrusted the Centre for Management Development (CMD) to invite RFPs for Project Development and Management Consultant (PDMC) for AMRUT 2.0. Subsequently, tenders were invited and 6 proposals were received.

**The 6<sup>th</sup> 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 4<sup>th</sup> 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 taking a relook at 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.

The major assessment of the Consultant Selection Committee are as follows;

1. 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 *as per tender condition* is nearly twice the same quoted by M/s. Shah Technical Consultants Pvt. Ltd. (in JV with Centre for Environment and Development).
2. Significant quantum of works supposed to be carried out by the PDMC has already been completed. 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.**
3. 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.**
4. 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, **AMRUT 2.0 Kerala shall opt for the re-tendering process.**

The 7<sup>th</sup> SLTC meeting 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.

**Further, it has been suggested by the Government to submit the list of agencies identified by the Consultant Selection Committee before SHPSC for consideration. Subsequently, based on the discussions held with the ACS, LSGD, as per the request, the bidder who was under active consideration, M/s. URS Scott Wilson India Pvt. Ltd. in JV with M/s. AECOM India Pvt. Ltd initially quoted Rs. 14,07,73,317.55 had later reduced it to Rs. 13,45,84,385.32.**

However, this was still considered unacceptable as the Consultant Selection Committee had recommended that if the H1 bidder is not willing to undertake the assignment at the revised rate of reimbursable and contingency expenses at the rate quoted by the H2 bidder (Rs.31,02,750.00), we should re-tender the service of PDMC.

As per the method of selection given in the Datasheet (Part II of Section 2 of the RFP document), commercial bids less than 70 percent cost of the average lump sum remuneration cost had to be disqualified. Accordingly, the bidder with the highest technical score of 100 points had to be rejected during the financial evaluation. The price bid quoted by the first ranked (H1) bidder is nearly twice the same quoted by the bidder with the highest technical score and it would result in a financial loss if the H1 bidder is awarded the contract at their negotiated rate.

The matter was brought to the notice of the Government and it was decided to cancel the current tender process for the selection of PDMC for AMRUT 2.0 projects considering the recommendation of the Consultant Selection Committee, and as the scope of the work has now significantly changed.

The current tender process has been cancelled vide cancellation notice of CMD dated 19.4.2023 and the revised RFP to re-tender the service of PDMC after revising the scope of work and modifying the arbitrary RFP conditions is under process.

The revised scope of work broadly includes;

- a) Preparation of DPRs for 24X7 Water supply projects.
- b) Preparation of digital base maps for the existing, proposed, and being executed Sewerage networks.
- c) Action Plan for Reduction of Non-Revenue Water (below 20%).
- d) Preparation of Aquifer Management plan.
- e) Preparation of the Micro water supply projects and assistance to ULBs in developing Sewerage & Septage projects, IEC activities and community mobilization.

**Decision to be taken:**

- **The committee may approve the cancellation of the current tender process of PDMC and retender the service of PDMC after revising the scope of work and modifying the arbitrary RFP conditions.**

**Agenda Item No.8.10: 24X7 WATER SUPPLY WITH DRINK FROM TAP FACILITY- RECONSTITUTION OF STATE-LEVEL TASK FORCE & CITY LEVEL TASK FORCE.**

As per the AMRUT-2.0 guidelines, AMRUT cities are mandated to undertake reforms for water conservation including projects on 24x7 water supply with a drink-from-tap facility. These projects should cover at least one ward or DMA with at least 2,000 households in a contiguous manner.

Ministry of Housing & Urban Affairs has constituted a National Level Task Force and the Government of Kerala has constituted a State & City Level Task Force, on 24X7 water supply systems for undertaking Capacity Building of States/ULBs to disseminate knowledge, best practices, guidelines on 24X7 water supply and to assist in the planning, design, and implementation of projects under AMRUT 2.0 on a long-term basis. The Government orders and Guidelines are attached as **Annexure-9**.

During the meeting held with KWA officials on 29/3/23, for increasing the expertise of the Task forces, it was suggested for including Deputy Chief Engineer (Projects) in the State Level Task Force and the Executive Engineer, KWA district office, and a GIS Expert in the City Level Task Force.

The roles and responsibilities of the task forces are detailed in the guidelines.

**Decision to be taken:**

➤ **The SLTC may recommend to the SHPSC for the reconstitution of the State Level Task Force on 24X7 water supply systems with the inclusion of the Deputy Chief Engineer (Projects) as below.**

- 1) Technical Member, Kerala Water Authority- Chairman
- 2) Deputy Mission Director, AMRUT Mission- Member
- 3) Chief Engineer, Projects & Operations, Kerala Water Authority- Member
- 4) Chief Engineer Irrigation and Administration - Member
- 5) Head of the Department (Civil Engineering), CET, Trivandrum - Member
- 6) Additional Director (General) Industrial Department - Member
- 7) Chief Engineer, Local Self Government Department. - Member
- 8) Chief Engineer, Ground Water Department- Member
- 9) **Deputy Chief Engineer (Projects)- Kerala Water Authority- Member**
- 10) GIS Expert/Hydraulic Expert, Centre for Water Resources and Management (CWRDM), Kozhikode- Member
- 11) Executive Engineer, O/o Chief Engineer, Projects Kerala Water Authority- Member Secretary and Coordinator
- 12) Representative from NGO included in the list of Jal Jeevan Mission project Implementation Supporting Agencies of Kerala- Member

➤ **The SLTC may recommend to the SHPSC for the reconstitution of the City Level Task Force on 24X7 water supply systems with the inclusion of the Executive Engineer, KWA district office, and a GIS expert as below.**

- 1) Superintending Engineer, District Office, Kerala Water Authority -Chairman
- 2) Corporation/Municipal Engineer -Member
- 3) **Executive Engineer, District Office, Kerala Water Authority- Member**
- 4) Executive Engineer, Irrigation and Administration -Member
- 5) Head of the Department (Civil Engineering), from Local Member Engineering Colleges in the ULBs-Member
- 6) Electrical/Mechanical Engineer- KSEB, PWD -Member
- 7) General Manager, District Industries Centre- Member
- 8) Town Planner, District Town Planning Office- Member
- 9) Assistant Executive Engineer, District Office, Kerala Water Authority-Member Secretary, and Coordinator
- 10) A representative from NGO working in the district (Attached the list of Jal Jeevan Mission project Implementation Supporting Agencies (ISAs) of Kerala)
- 11) **GIS/ SCADA Expert- Member**

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

The State Mission Management Unit (SMMU) of AMRUT is currently operating in a limited space of 260 sqm. However, with the launch of AMRUT 2.0, SMMU needs to expand its staff strength and activities to implement urban development projects effectively. Moreover, the CTP has requested a separate space for GIS mapping work, which is essential for planning and monitoring the AMRUT sub-schemes. The existing conference hall is also inadequate for conducting meetings and workshops with various stakeholders. Therefore, the SMMU has proposed to hire an additional office space of 202 sqm in the same building where it is presently located to accommodate additional space demanded by the staff of CTP for AMRUT work, new environmental experts/interns of SMMU and to provide an additional conference hall.

This proposal was discussed in the 6th SLTC meeting and the Mission Director AMRUT was instructed to submit the financial details of the rent and other expenses to the next Committee meeting after getting them verified by the Chief Engineer LSGD. **As per the verification report of the CE, LSGD, the additional office space would cost Rs. 48680/pm (240.77/sqm) as rent.**

The owner of the building has quoted Rs.430/sqm as rent and 18% GST would be applicable on it. The total rent amount would be Rs.1,03,840/ PM. A negotiation meeting was conducted on 11.04.2023 and the owner of the building reduced her quote as follows; (Annexure-10).

a	<b>Rent Rate after negotiation</b>	<b>@ Rs.35/ sqft (Rs.376.6/sq.m) plus applicable GST</b>
b	Rent per month for 202sqm= 202 sqm @ Rs.376.6/m <sup>2</sup>	Rs.76073.00
c	GST (CGST9%+SGST9%) @18%	Rs 13693.00
d	<b>Grand total (b+c)</b>	<b>Rs.89, 766/Month</b>

- ❖ *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 current rent rate of the SMMU building is Rs. 387.36 / sqm with the monthly rent as Rs.1,18,944 /-. Considering the urgency of the situation and the availability of suitable office space in the same building, it is requested that the SLTC may kindly approve the proposal to hire an additional 202 sqm of space for the SMMU at the negotiated rate of Rs.35/Sqft (Rs.376.6/sqm) as the owner is not willing to reduce it further.

### **Decision to be taken:**

- **The Committee may recommend to SHPSC for permission to hire an additional space of 202 sq m for SMMU at the rate of Rs. 376.60 per sq m in the same building where SMMU is working and to arrange the necessary modification works through Nirmithy Kendra.**

**Agenda Item No.8.12: SANCTION TO PROVIDE TRAVEL ALLOWANCES FOR THE CITY MISSION MANAGEMENT UNIT STAFF.**

For the AMRUT-1<sup>st</sup> phase, City Mission Management units were manned with two technical persons in 9 AMRUT cities. With the launch of AMRUT 2.0 in 93 Urban Local Bodies, the CMMUs were expanded as district-level units.

CMMUs will be in charge of a variety of tasks, including organizing IEC programs for project execution and monitoring works in all municipalities that come under a district.

CMMU staff will have to travel along the Municipalities and Corporations to coordinate with the ULBs, Contractors, Consultants, and other Stakeholders involved in the AMRUT projects and also to conduct site inspections, quality checks, progress reviews, and grievance redressal of the AMRUT projects.

As such, local travel allowance to staff for visiting sites as part of their official duties may have to be provided. **A maximum allowance of Rs. 7000 may be given monthly based on the travel claim form and Fortnightly progress report** to avail of the allowance. This will enable the CMMU staff to travel to any project site and get a quick assessment of the field conditions. The traveling report shall provide a summary of the activities and outcomes of the visit and travel shall be as per the prevailing Govt. norms. An expenditure of a maximum of Rs.21 lakhs is anticipated per year. This can be met from the A&OE fund.

The expenditure in this regard can be met from the A&OE fund.

**Decision to be taken:**

- **The Committee may recommend to SHPSC for sanction to provide Travel allowances of a maximum of Rs. 7000 monthly based on the Fortnightly progress report to avail of the allowance as per the prevailing Govt. norms.**

**Agenda Item No.8.13: APPROVAL TO ENGAGE GIS/SCADA EXPERTS ON CALL FOR 24X7 WATER SUPPLY SYSTEM & SEWERAGE PROJECTS;**

As per the AMRUT-2.0 guidelines, AMRUT cities are mandated to undertake reforms for water conservation including projects on 24x7 water supply with a drink-from-tap facility. These projects should cover at least one ward or DMA with at least 2,000 households in a contiguous manner. One of the key components of this scheme is the use of GIS and SCADA technologies for mapping, monitoring, and managing the water infrastructure.

Hence it is essential to have GIS and SCADA experts on call to provide technical support and guidance to the ULBs and other stakeholders involved in the implementation of the scheme. Therefore, one GIS expert and one SCADA expert on call at the rates sanctioned for Sewerage/Septage Management as per G.O.(Rt)No.1883/2020/LSGD may be approved as follows; (GO is enclosed as Annexure-11)

Sl No.	Years of Experience	Remuneration/ Day
1	More than 10 years of experience in GIS/SCADA.	Rs. 4000/day- subject to a maximum of Rs. 40000/ month
2	More than 15 years of experience in GIS/SCADA.	Rs. 6000/day- subject to a maximum of Rs. 60000/ month
3	More than 15 years of experience in GIS/SCADA.	Rs. 8000/day- subject to a maximum of Rs. 80000/ month

The GIS and SCADA experts will be responsible for:

- Developing and updating GIS maps of water supply networks in the selected wards for 24X7/ sewerage networks in the ULBs
- Assistance to KWA/ ULB in preparing GIS maps for all the existing, proposed, and executed infrastructure/ networks of water supply/ Sewerage in the entire area of ULBs.
- Providing training and capacity building to ULB staff on GIS and SCADA applications
- Supervising and verifying the geo-tagging of assets and progress reports
- Troubleshooting and resolving any issues related to GIS and SCADA systems
- Coordinating with SMMU, CMMU, KWA, ULBs, and other agencies for data sharing and integration.

**Decision to be taken:**

- **The Committee may recommend to the SHPSC for granting permission to the Mission Director AMRUT to engage one GIS expert and one SCADA expert on call at the rates sanctioned as per G.O.(Rt)No.1883/2020/LSGD.**

*Handwritten Signature*  
Mission Director, AMRUT

