

Minutes of the 1st State Level Technical Committee (SLTC) of AMRUT 2.0 held on 01st April 2022 at 10:00 AM in the Chamber of Additional Chief Secretary, Local Self Government Department

The meeting of the 1st State Level Technical Committee of AMRUT 2.0, chaired by Smt. SaradaMuraleedharan IAS, Additional Chief Secretary, Local Self Government Department commenced at 10:00 AM (List of participants attached as Annexure 1). Sri. Arun.K.Vijayan IAS, Mission Director, AMRUT presented the points in the Agenda note.

Agenda Item No.1: Introduction to Atal Mission for Rejuvenation & Urban Transformation (AMRUT 2.0)

Atal Mission for Rejuvenation & Urban Transformation (AMRUT) aims at providing basic services to households and build amenities in cities which will improve the quality of life for all, especially the poor and the disadvantaged. Atal Mission for Rejuvenation and Urban Transformation (AMRUT 1.0) was launched by the Ministry of Urban Development, Government of India in June 2015 to cover 500 cities with population above 1 lakh and the Project period of AMRUT was five years from financial year 2015-16 to 2019-20. AMRUT Cities (6 Corporations, Alappuzha, Guruvayur & Palakkad ULBs) were included in the AMRUT 1.0 mission. As per AMRUT 2.0 guidelines, ongoing AMRUT projects will be funded with central assistance up to 31 March 2023. No funds will be released for any AMRUT project incomplete by that date and it will become the responsibility of the State/ UT to complete them from their own resources.

Government of India have launched Atal Mission for Rejuvenation & Urban Transformation -2.0 (AMRUT 2.0) Mission with an outlay of Rs. 2.87 lakh Crore, aimed at making all cities water secure through universal Water Supply in all Urban Local Bodies by providing Rs.2.86 crore household tap connections and 100% coverage of sewerage and septage in 500 AMRUT cities. Project period of AMRUT 2.0 is five years from the financial year 2021-22 to 2025-26. Mission has a reform agenda to enhance city water security, financial health of ULBs and ease of living of citizens. States/ UTs and ULBs have executed a tripartite Memorandum of Understanding (MoU) with MoHUA.

Prioritization:

- Providing universal piped water supply with household water tap connection
- Providing universal coverage of sewerage / septage management in 9 AMRUT Cities and promoting circular economy of water
- Households of informal settlements and low-income groups to be duly considered

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala by way of central assistance of Rs. 1372 Cr. Central Assistance is given to State based on weightage to urban population and area of States in ratio of 90:10. However, as per AMRUT 2.0, State have to provide funds to ULBs **based on the gaps** to ensure that, at City level, **universal Water Supply is achieved**. The State Mission



Directorate shall ensure that universal coverage of water supply in all statutory towns and Sewage/Septage treatment is achieved in all AMRUT cities as the **first priority** in that order.

State level Inauguration of AMRUT 2.0 was done by the Hon' Minister for Local Self Government on 16.2.2022. All the 93 Urban Local Bodies are selected for the implementation of AMRUT 2.0 (6 corporations & 87 Municipalities).

Permissible Project Components of the project are Water supply and Water body rejuvenation and parks for all Urban Local bodies. Apart from this, Sewerage facilities & Septage management are major project components for AMRUT cities.

Mission has also a reform agenda to enhance city water security, financial health of ULBs and ease of living of citizens such as Notifying property tax calculations, Notifying user charges for water supply and sewerage, Effective system for grievance redressal etc.

As per the AMRUT 2.0 guidelines, all the 93 Urban Local Bodies in Kerala have submitted City Water Balance Plans (CWBP) on portal.

State Water Action Plan (SWAP- compilation of CWAPs) need to be submitted to MoHUA in three tranches – First tranche within 5 to 9 months (March 2022 – July 2022), Second tranche within 12 to 16 months (October 2022 – February 2023) and third tranche within 24 months (October 2023). The City Water Action Plans (CWAPs) for Water Supply are under progress in Kerala Water Authority and in 93 ULBs.

As part of the paperless Mission, State Mission Management Unit (SMMU) initiated the implementation of E-office in coordination with IT Mission and SMMU is expected to start functioning as paper less Mission from the coming financial year onwards.

Deliberations:

It was informed by PCB that there are small STPs for big Apartments and flats, which need to be consolidated and taken in to account to know the actual capacity of treatment to be done. PCB/Suchitwa Mission shall provide the details for the same to the Urban Affairs for including it in the gap analysis.

Action by- Suchitwa Mission/Director (Technical), PCB/ Director, Urban Affairs

ACS, LSGD suggested that more priority should be given for Water conservation and recharge in water scarce areas. CWRDM can provide such details and assist in finalizing Water body rejuvenation projects.

Action by- CWRDM

It was instructed to engage elected Representatives in the prioritizing and finalizing of projects.

Action by- SMMU, AMRUT

Director, Suchitwa Mission informed that under SBM, ULBs with less than 1 lakh population only can be taken up for Sewerage projects. As Kottayam having more than 1 lakh population, it is now



excluded from Sewerage projects. It is also excluded from AMRUT 2.0 projects being a Non AMRUT 1.0 city. The Chair directed Suchitwa Mission to take up this issue with Government of India so that Kottayam gets included under SBM or AMRUT 2.0 for Sewerage projects.

Action by- Suchitwa Mission/ AMRUT

Decision Taken:

- 1) *Committee took note of the Guidelines and current status.*
- 2) *The Committee asked KWA to assist the ULBs in completing the City Water Action Plans by prioritizing Water Supply projects within available funds allocated to each ULB.*
- 3) *The issue of STP for Kottayam Municipality is to be taken with Government of India.*

Agenda Item No.2: Finalization of funding pattern for AMRUT 2.0

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is approximately calculated as Rs.3550Cr. with central assistance of Rs. 1372 Cr. All the 93 Urban Local Bodies comprising of 6 corporations & 87 Municipalities are selected for implementation.

The tentative distribution of central fund allocation among project components is as under (calculated based on the proportion of Central fund allocation among project components):

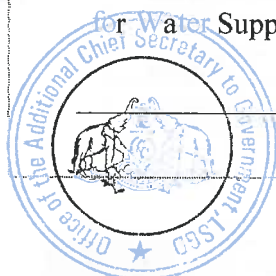
Description	Tentative Central Allocation (in Cr.)
Water Supply Projects	724.54
Sewerage & Septage Management Projects (for AMRUT Cities)	567.3
Rejuvenation of Water bodies and developing green spaces and parks projects	80.16
Total	1372

**** The above table provides a broad picture of fund allocation. At city level, if universal water supply is achieved, then other components which are admissible can be taken up to achieve Mission objectives. The State Mission Directorate shall ensure that universal coverage of water supply in all statutory towns and Sewage/Septage treatment is achieved in all AMRUT cities as the first priority in that order.**

These funds have to be earmarked to the 93 ULBs **taking into consideration their service level gaps** in the key sectors, population and area. The proposed distribution fund is worked out as follows;

Water Supply Sector:

According to the tentative distribution of central fund allocation, the Central Assistance earmarked for the Water supply project component is **Rs. 724.54 Cr.** (Assuming 52.81% of Central Assistance for Water Supply).



A- 75%	Service level gaps	weightage
	Gap in connection	50%
	Quantity shortage of water	25%
	Shortage in quality water	25%
B- 25%	Population	90%
	Area	10%

Two options in ULB-wise funding pattern have been worked out as follows:

Option 1: 75% need based + 25% population and area 90:10 based

Option 2: Only Need Based Gaps Considered

A Service level gap in Water Supply is worked out by providing weightage as follows:

A-100%	Service level gaps	weightage
	Gap in connection	50%
	Quantity shortage of water	25%
	Shortage in quality water	25%

AMRUT 2.0 - WATER SUPPLY - TENTATIVE FUND ALLOCATION PATTERN
(Amount in Cr.)

SL . No.	ULB	Option1 = 0.75A+0.25B (A- Need based - Gap in Connection: Quality : Quantity -50:25:25 B- Population: Area-90:10)			Option2- Need based (Gap in connection: Quality : Quantity-50:25:25)		
		CA	State Share	Total	CA	State Share	Total
1	Thiruvananthapuram	51.75	103.50	155.25	43.61	87.23	130.84
2	Kozhikode	52.80	105.60	158.39	51.71	103.43	155.14
3	Kochi	43.26	86.52	129.78	39.39	78.77	118.16
4	Kollam	38.78	77.55	116.33	39.80	79.61	119.41
5	Kannur	22.36	44.72	67.09	22.42	44.85	67.27
6	Thrissur	31.52	63.04	94.56	32.03	64.05	96.08
7	Alappuzha	13.15	26.29	39.44	11.89	23.79	35.68
8	Palakkad	6.83	13.65	20.48	5.08	10.16	15.23
9	Guruvayoor	9.59	9.59	19.17	10.51	10.51	21.02
NON AMRUT CITIES: TOTAL		454.51	468.61	923.12	468.09	482.42	950.52
GRAND TOTAL		724.54	999.07	1,723.61	724.54	984.81	1,709.35

Sewerage / Septage Sector:

According to the tentative distribution of central fund allocation, the Central Assistance earmarked for the SEW/SEP project component is **Rs. 567.30 Cr.** (Assuming 41.35% of Central Assistance for Sewerage Sector)

Two options in ULB-wise funding pattern have been worked out as follows:

Option 1- Need Based Gap:30% STP & Networks in core areas and 70% FSTP coverage in other areas

	Criteria	Weightage
A-100%	Need Based Gap	100%

Option 2 –Population: Area (90:10) – 75% + Need Based Gap-25%

	Criteria	Weightage
A-75%	Population	90%
	Area	10%
B-25%	Need Based Gap	25%

AMRUT 2.0 - SEWERAGE & SEPTAGE - TENTATIVE FUND ALLOCATION PATTERNS (Amount in Cr.)							
		Option 1 Need Based (30% STP & 70% FSTP)			Option 2 (75% * A) + (25% * B)		
SL. No.	ULB	CA	State Share	Total	CA	State Share	Total
1	Thiruvananthapuram	51.70	103.40	155.11	105.96	211.91	317.87
2	Kozhikode	55.51	111.01	166.52	114.51	229.03	343.54
3	Kochi	64.53	129.05	193.58	94.45	188.90	283.34
4	Kollam	23.59	47.18	70.76	69.06	138.12	207.19
5	Kannur	42.47	84.94	127.40	53.44	106.88	160.33
6	Thrissur	35.09	70.17	105.26	61.68	123.36	185.04
7	Alappuzha	23.08	46.16	69.24	32.92	65.85	98.77
8	Palakkad	15.83	31.66	47.50	21.24	42.48	63.72
9	Guruvayoor	12.82	12.82	25.65	14.03	14.03	28.06
GRAND TOTAL		324.62	636.41	961.03	567.30	1,120.57	1,687.87

Water Body Rejuvenation & Park Sector:

For Water bodies & Parks, the population and area criteria have been considered. (90:10 and 50:50)..

Option 1: Population: Area-50:50 (Equal weightage)

Option 2: Population: Area-90:10 (GoI criteria)



WATER BODY REJUVENATION & PARK SECTOR - TENTATIVE FUND ALLOCATION PATTERNS							
(Amount in Cr.)							
SL. NO	ULB	Option-1 Population: Area-50:50			Option -2 Population: Area-90:10		
		CA	State Share	Total	CA	State Share	Total
1	Thiruvananthapuram	8.21	16.42	24.63	8.43	16.85	25.28
2	Kozhikode	4.79	9.58	14.36	6.20	12.40	18.60
3	Kochi	4.45	8.91	13.36	6.07	12.14	18.22
4	Kollam	3.04	6.07	9.11	3.95	7.90	11.85
5	Kannur	2.26	4.52	6.79	2.45	4.91	7.36
6	Thrissur	3.00	6.00	9.00	3.32	6.64	9.96
7	Alappuzha	1.57	3.14	4.72	1.87	3.74	5.61
8	Palakkad	1.04	2.08	3.11	1.34	2.67	4.01
9	Guruvayoor	0.76	0.76	1.52	0.75	0.75	1.51
10.	NON AMRUT CITIES	51.04	52.49	103.54	45.78	47.26	93.04
	Grand Total	80.16	109.97	190.13	80.16	115.27	195.43

Suggestions of SMMU:

Water Supply:

With regard to Water Supply Sector, it is suggested that option 1 with 75%weightage for gap and 25% weightage for population may be considered. This would provide adequate weightage for the need as well as the population to be benefited.

Sewerage:

With regard to Sewerage sector, it is suggested that need based option to ensure universal coverage may be considered. Approximately 40% (Rs.567.30 Cr.) of Central Assistance is suggested for Sewerage sector on all India basis.

It is understood that in India generally most cities have 30% STP and 70% FSTP. Adapting samemethodology, we can achieve universal coverage with much lessor amount compared to 40% allocation. The savings available can be used in Water Supply sector, since as per guidelines, universal Water Supply has to be achieved first, before taking up other admissible components of Sewerage and rejuvenation of water bodies. The savings obtained from each ULB may be kept aside as a floating fund and as incentive for ULBs achieving functional outcomes and submitting workable priority projects at the earliest.



If option 1 is selected, the savings from option 2 can be set aside as a floating incentive fund. This Floating fund may be used by each ULB for water supply sector so as to achieve Universal water supply. Once this is achieved, balance amount, if any, can be used in sewerage sector. An amount of 50 Cr is taken proportionately from all 9 AMRUT cities and may be kept as floating fund for Non AMRUT cities, to incentivise those Municipalities who show good progress in executing works and also for those ULB's who need additional fund for achieving Universal water supply at the earliest.

Water Body Rejuvenation:

With regard to water rejuvenation and park, it is suggested that option 1 with 50% weightage for population and 50% weightage for Area may be considered which will provide equal weightage for population and area.

Total Fund Allocation for WS and Sewerage projects

AMRUT 2.0 - FUNDING PATTERN															
														Amount in Cr.	
SL. NO	ULB	Water supply			Rejuvenation & Park Sector			Sewerage & septage			Floating incentive fund (Cr)			Total Central Assistance	Total Project Cost
		Option 1			Option 1			Option 1							
		Central Assistance	State Share	Total Cost	Assistance	State Share	Total Cost	Central Assistance	State Share	Total Cost	Central Assistance	State Share	Total Cost		
		A	B	C=A+B	D	E	F=D+E	G	H	I=G+H	J	K	L=J+K	M=A+D+G	N=C+F+I+L
1	Thiruvananthapuram (M Corp.)	51.75	103.50	155.25	8.21	16.42	24.63	51.70	103.40	155.11	43.08	86.15	129.23	154.74	464.22
2	Kozhikode (M Corp.)	52.80	105.60	158.39	4.79	9.58	14.36	55.51	111.01	166.52	46.85	93.70	140.55	159.94	479.83
3	Kochi	43.26	86.52	129.78	4.45	8.91	13.36	64.53	129.05	193.58	23.76	47.51	71.27	136.00	407.99
4	Kollam (M Corp.)	38.78	77.55	116.33	3.04	6.07	9.11	23.59	47.18	70.76	36.10	72.21	108.31	101.51	304.52
5	Kannur (M)	22.36	44.72	67.09	2.26	4.52	6.79	42.47	84.94	127.40	8.71	17.43	26.14	75.81	227.42
6	Thrissur	31.52	63.04	94.56	3.00	6.00	9.00	35.09	70.17	105.26	21.12	42.23	63.35	90.72	272.16
7	Alappuzha (M)	13.15	26.29	39.44	1.57	3.14	4.72	23.08	46.16	69.24	7.82	15.63	23.45	45.62	136.85
8	Palakkad	6.83	13.65	20.48	1.04	2.08	3.11	15.83	31.66	47.50	4.29	8.59	12.88	27.99	83.96
9	Guruvayoor	9.59	9.59	19.17	0.76	0.76	1.52	12.82	12.82	25.65	0.96	0.96	1.92	24.13	48.26
10	NON AMRUT CITIES (84 ULBS)	454.51	468.61	923.12	51.04	52.49	103.53				50.00	50.00	100.00	555.55	1,126.65
GRAND TOTAL		724.54	999.07	1723.61	80.16	109.97	190.13	324.62	636.41	961.03	242.68	434.41	677.09	1,372.00	3,551.86

Decision Taken:

After detailed deliberations, Committee decided as follows;

- 1) Detailed ULB wise data analysis of a) gap in Household connection (%), b) Shortage in quantity of drinking water supplied/available (%), gap in treated water facility (%): is to be undertaken to determine comparative weightage to be given.

Action by- CWRDM

- 2) A subcommittee consisting of following members constituted to discuss and finalize the methodology for service level Gaps and funding pattern for Water supply within a week's time, based on the data analysis by CWRDM.



- 1) Sri. Johnson K, Chief Engineer, LSGD
 - 2) Sri. Charles AL, Deputy Mission Director, SMMU AMRUT (Convener)
 - 3) Sri. Praveen KS, Director Suchitwa Mission.
 - 4) Sri. Vivek B, Scientist CWRDM
 - 5) Sri. Rahul, AE to MD, Kerala Water Authority.
- 3) *Sewerage/Septage– Option-1 suggested for SEW/ Septage sector along with floating incentive fund is approved as the fund distribution pattern.*
 - 4) *Rejuvenation of Water Bodies- Committee decided that water deficit areas should be identified and prioritized for taking up projects under this sector. The subcommittee proposed for Water Supply to prioritize the projects under this sector.*
 - 5) *Next SLTC to be held by Video Conferencing after the subcommittee finalizes the allocation for Water supply and Rejuvenation of water bodies, to recommend that funding pattern and total allocation for each ULB to SHPSC.*

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

The total outlay of AMRUT 2.0 for 93 Urban Local Bodies in Kerala is approximately **Rs.3550 Cr.** with central assistance of **Rs.1372 Cr.**

Allocation of Central share for various mission components will be as under:

#	<i>Mission component</i>	<i>Central Allocation (₹ Cr)</i>
1	Projects	1372.00
2	Incentive for Reforms (8% of project CA allocation)	109.76(indicative)
3	Administrative & Other Expenses (A&OE) for States/ UTs (3.25% of project CA allocation)	44.59
4	Administrative & Other Expenses (A&OE) for MoHUA (1.75% of project CA allocation)	24.01(indicative)
5	Technology Sub-Mission (1% of project CA allocation)	13.72
6	IEC Activities (1% of project CA allocation)	13.72(indicative)

As per clause 5.4 of AMRUT guidelines, the GOI share for ULBs having population less than 1 lakh is 50% (one half) of the project cost and for cities with population one lakh to ten lakh (both included) is 1/3rd of the project funds by Centre.



SL NO	ULB Class	Central Share	Number of ULBs
1	For cities with less than one lakh population	50% of the project funds by Centre	84
2	For cities with population one lakh to ten lakh (both included)	1/3rd of the project funds by Centre	9
	Total		93

Cities with population one lakh to ten lakh- Thiruvananthapuram, Kollam, Kottayam, Alappuzha, Kochi, Thrissur, Palakkad, Kozhikode & Kannur. The population of all other cities in Kerala are below 10 lakh.

Funding for the projects needs to be shared by Centre, States/ UTs and ULBs. The residual financing (over and above the Central Government share) is to be shared between the State, ULBs and any other source identified by the state/ULB.

As per para 15.3.1 of the guidelines, the State High Powered Steering Committee has to Finalize State and ULB share of funds for project implementation in addition to the Central Assistance. The State and the ULB together have to pool an amount to the tune of approximate Rs.2178 Cr. For AMRUT 1.0, State share was 30% and ULB share was 20%.

It is suggested that same proportion adapted for AMRUT -1 may be followed for AMRUT 2.0 also. The balance project cost, after deducting Central Assistance may be shared with State bearing 60% and ULB bearing 40%.

Vide G.O.(Rt)No.606/2022/LSGD dated 14.3.2022, sanction was accorded to utilize FC tied grant for local bodies as ULB share. Hence FC grant can be used by ULBs as their share.

Financing option proposed:

(Amount in Cr.)

Approximate Project Cost	Central Share	Balance to be borne by State & ULB	Approximate State Share	Approximate ULB share
(A)	(B)	C=(A-B)	D=60% of C	E=40% of C
3550	1372	2178	1307	871

Deliberation:

The committee observed that Municipalities in general do not have adequate funds for ULB share compared to Municipal Corporations. There was general consensus that consideration should be given to Municipalities. Hence, it was suggested that after deducting central allocation, the balance funds may be shared at 75% by State and 25% by ULB, for all Municipalities. In the case of Municipal Corporations, the balance fund may be shared at 50% by State and 50% by ULB.



Decision Taken:

Committee decided to recommend the financing option as follows;

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

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

Agenda Item No.4: Selection of State Water Start-Up Screening Committee:

As per the AMRUT 2.0 guidelines issued by Ministry of Housing and Urban Affairs(MoHUA), 'Technology Sub-Mission' is one of the Mission components and 1% of central budgetary allocation is earmarked for this component. Start-ups are one of the major initiatives under Technology Submission. Objective of Start Ups is the Identification of innovative, proven and potential environment friendly technologies in the fields of water & used water treatment, distribution and water body rejuvenation.

AMRUT 2.0 guidelines specifies that a State Water Start-Up Screening Committee may be established at State level comprising State Mission Director, representative of a technical institute, a representative of Education Department and/or practitioners in water sector. Projects costing up to Rs. 20 lakh will be approved by the screening committee. The Start-ups fulfilling the definition given by "Start-up India" initiative of DPIIT shall be eligible to participate.

Government has been requested for issuing the GO for constituting the State Water Start-Up Screening Committee with the following officials. **GO is awaited.**

State Mission Director	Chairman
Deputy Mission Director	Member
Representative from Start-Up Mission	Member
Representative from Engineering College	Member
Representative from KWA(Sewerage PPD and WASCON)	Member
Representative from CWRDM	Member
Representative from Ground Water Department	Member

Deliberation:

Managing Director, KWA suggested that the Executive Engineer, Operations may be considered as representative of KWA in the State Water Start-Up Screening Committee in place of Sewerage PPD and WASCON.

Decision Taken:

The Committee took note of the same and recommended the constitution of State Water Start-Up Screening Committee with the suggested members for SHPSC approval.



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

Atal Mission for Rejuvenation and Urban Transformation (AMRUT 1.0) was launched by the Ministry of Urban Development, Government of India in June 2015. State Mission Management Unit and the City Mission Management units in 9 AMRUT Cities (6 Corporations, Alappuzha, Guruvayur & Palakkad ULBs) were constituted for the same purpose.

Vide GO.(Rt)No.2467/2021/LSGD dated 3/12/2021, SMMU have been appointed as the State Nodal Agency for AMRUT 2.0.

Decision Taken:

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

Agenda Item No.6: Selection of Project Development and Management Consultants (PDMC)

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

Vide G.O.(Rt)No.565/2022/LSGD dated 9-03-2022, the Government has entrusted Centre for Management Development (CMD) to invite RFPs for Project Development and Management Consultant (PDMC) for AMRUT 2.0. Bids have been invited with deadline as 14th April 2022 and PDMC is expected to be in place by end of April 2022.

Decision Taken:

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

Agenda Item No.7: Implementation Strategy of Water Supply Works & Sewerage Works:

- As per clause 6.7 of AMRUT 2.0 guidelines, a Projects as per approved SWAP will be planned, tendered, awarded and implemented by ULBs. Where ULBs do not have adequate capacity, specialized parastatal agencies will implement the projects.
- Water Supply - KWA being the parastatal agency for Water Supply, CWBP has been completed by ULBs with active participation of KWA
- CWAP may also be prepared by ULBs with active participation of KWA, except for micro water supply schemes, community wells, rejuvenation of open wells etc. which may be undertaken by ULBs Engineering Wing.
- A tripartite agreement needs to be executed, similar to the one done in AMRUT-1, between AMRUT, KWA and ULB.



- Sewerage Project – ULBs may finalize projects to ensure universal coverage. 30% STP and 70% FSTP is suggested, so as to achieve the same with available funds.
- Projects should be placed before SHPSC only when encumbrance free land is readily available.
- ULB may decide if projects are to be implemented by their engineering wing with assistance of PDMC or to request KWA to prepare DPR and implement projects identified and approved by ULBs.

Decision Taken:

The Committee agreed with the suggestions given in the Agenda regarding the role of KWA in implementing Water supply projects and SEW/ SEP projects and for the execution of tripartite Agreement between Mission Director, AMRUT, KWA and ULBs.

Agenda Item No.8: Approval of Training Institutes for the training program and related activities under Capacity Building Program

As per clause 12 of AMRUT 2.0 guidelines, Capacity building will be taken up for Elected Representatives, ULB functionaries, Contractors & their Staff and Citizens. Purpose of capacity building is to enhance the functional knowledge and improve the job-related skills of targeted groups. Capacity building plans has to be submitted along with action plan for State A&OE funds. Capacity Building plan shall include the list of Training Institutes that are proposed to impart training.

In AMRUT 1 Ministry of Housing and Urban Affairs has empanelled 34 Training Institutes. The State had signed MoU with 3 training Institutes as part of AMRUT 1 Integrated Capacity Building Programme. WASH Institute was subsequently selected for the Capacity Building Programmes on Liquid Waste Management and a MoU regarding this has been signed.

The Training Institutes are;

1. Indian Institute for Human Settlement (IIHS), Bangalore
2. Centre For Environment & Development (CED), Trivandrum
3. Institute of Management in Government (IMG), Trivandrum.
4. Wash Institute (Liquid Waste Management)

AMRUT 2.0 is a continuation Mission of AMRUT and hence the State can continue the services of the above Training Institutes and also can avail the services of more training Institutes from the empanelled list of MoHUA. **Suggested target groups are Elected Representatives, Municipal functionaries, Contractors, managers, consultants, Plant operators, Plumbers, Workmen, Citizens including Women & members of SHGs and Town Planners.**

Hence it is suggested to avail the services of the following training Institutes for the Capacity Building Programmes of AMRUT 2.0.

1. Indian Institute for Human Settlement (IIHS), Bangalore.
2. Centre for Environment & Development (CED), Trivandrum.
3. Institute of Management in Government (IMG), Trivandrum.



4. WASH Institute, New Delhi.
5. KILA, Thrissur.
6. CEPT University.

Decision Taken:

Committee noted the same. To be considered by SHPSC for approval.

Agenda Item No.9: Outcome based funding- Component-2: Funding at the rate of ₹ 3,000 (Rupees three thousand) per new household water tap connection

As per clause 7.2.2 of AMRUT 2.0 Guidelines, funding at the rate of ₹ 3,000 (Rupees three thousand) per new household water tap connection provided in ULBs beyond the baseline as on 1st November 2021 will be awarded. Similarly, funding at the rate of ₹ 3,000 (Rupees three thousand) for each new household sewer connection provided in all 500 AMRUT ULBs beyond the baseline as on 1 November 2021 will be provided.

Only those new connections, which are not funded under AMRUT and AMRUT 2.0 will be considered for the above funding. Funds against these outcomes can be claimed once every quarter in tranches from launch of Mission after baseline is firmed up.

Funds will be released after due verification through citizen feedback and third-party. Funds provided under component-2 will be used by the State/ UT/ ULB on components of AMRUT 2.0 only.

For this purpose, MoHUA has developed AMRUTAM APP for contractors, Private professional and ULBs to upload data on water supply and sewerage connections provided after the 1st of November 2021 (using non-AMRUT funds), which enables ULBs/ KWA to register and raise claim against connections achieved.

MoHUA had also conducted an online training on AMRUTAM Portal for KWA Officials and ULB officials.

Decision Taken:

The Committee requested Kerala Water Authority to actively update the portal regularly.


**Mission Director
AMRUT**



**Additional Chief Secretary, LSGD
(Chairperson, SLTC)**

Sarada Muraleedharan IAS
Additional Chief Secretary
Local Self Government Department
Government Secretariat
Thiruvananthapuram.



1st SLTC of AMRUT 2.0

List of Participants

1. Sri. Venkatesapathy.S. IAS, Managing Director, Kerala Water Authority
2. Sri. Arun.K.Vijayan, Mission Director, AMRUT
3. Sri. G. Sree Kumar, Technical Member, Kerala Water Authority
4. Sri. Anil Kumar.M, Joint Secretary, Finance Department
5. Sri. Prasanth.H, Chief Town Planner (Planning)
6. Sri. Koshy John, Chief Electrical Engineer, PWD
7. Sri. Praveen.K.S., Director (LWM), Suchitwa Mission
8. Dr. Manoj.P.Samuel, Executive Director, CWRDM, Kozhikode
9. Smt. Sreekala.S, Chief Environmental Engineer, Kerala State PCB
10. Smt. Madhumathi, Chief Engineer (Administration), PWD
11. Smt. Sreedevi.P., Deputy Chief Engineer, Irrigation Department
12. Smt. Asha Ajoy Ghosh, Town Planer, O/o. the Chief Town Planner
13. Sri. Vivek.B, Scientist, CWRDM
14. Sri. Jaichand.J, Scientific Officer, State PH Lab, TVPM

Minutes of the Subcommittee meeting of SLTC-AMRUT 2.0 with Mission Director

Date: 19.04.2022

Time: 16.30 hrs

Venue: Google Meet

Members Present

Sri. Arun K Vijayan IAS, Mission Director, AMRUT Kerala
 Sri. Johnson K, Chief Engineer, LSGD
 Sri. Vijayakumar M K, Urban Infrastructure Expert, AMRUT Kerala
 Sri. Praveen K S, Director, LWM, Suchitwa Mission
 Sri. Rahul, Asst. Engineer to MD, Kerala Water Authority
 Sri. Vivek B, Scientist, CWRDM
 Smt. Ashida A G, Urban Planner, AMRUT Kerala

An online meeting conducted to appraise the subcommittee recommendations.

Vivek B presented the subcommittee's tasks and the recommendations.

Item 1: Water Supply based on need-based gaps at Service level

Subcommittee was asked to formulate a better percentage for water supply; water quality; connections. The three gaps provided by KWA/AMRUT was assessed and it was found that all the three variables are independent. Principal component analysis (PCA) was performed to assess the importance of each variable. Analysis was performed separately for AMRUT 1 cities and AMRUT 2 cities. The PCA showed that all the three parameters are equally significant. So, it is better to go for 33.33%, i.e. giving equal importance for all the three parameters. Committee recommended a better allocation of 40% for quantity and 30% for both quality and connection. Box plot was made for 83 municipalities to see the out layers in the values. Few cities showed out layers and that has to be taken up individually to check whether the values are really required or not.

Item 2: Rejuvenation of water bodies & Park Sector

Subcommittee was asked to find out a rationale to allot the water body rejuvenation and park sector. The committee evaluated the gaps in quantity and recommended the 6 Municipal corporations to be allotted total Rs.3 Cr equally from the total allotted 68.6 Cr (5% of total central share). The remaining 65.6 Cr to be distributed based on the percentage in quantity gap for the remaining 87 municipalities. It is also suggested to limit the upper level to 1Cr. The balance amount shall be kept in a floating common pool which can be allocated based on the DPR submitted by the municipalities.

Mission Director gave following suggestions:

Item 1: The committee may present the analysis part to the SLTC during next meeting. The committee can point out the out-layer values to AMRUT to have a check on the data available. AE. KWA may deliberate the PCA part to the MD KWA. [Action: Vivek, CWRDM; Rahul, KWA]

Item 2: CWRDM can check the quantitative assessment of water bodies, if available.

Meeting came to an end by 17:15 hrs.

Minutes of the Subcommittee meeting of SLTC-AMRUT 2.0

Date: 11.04.2022

Time: 18.00 hrs

Venue: Google Meet

Members Present

Sri. Johnson K, Chief Engineer, LSGD

Sri. Charles A L, Deputy Mission Director, AMRUT Kerala (Convener)

Sri. Praveen K S, Director, LWM, Suchitwa Mission

Sri. Rahul, Asst. Engineer to MD, Kerala Water Authority

Sri. Vivek B, Scientist, CWRDM

Smt. Ashida A G, Urban Planner, AMRUT Kerala

An online meeting of the subcommittee formed for sorting out the issues raised during the SLTC meeting of AMRUT 2.0 held on 1st April 2022.

Sri. Vivek B, briefed about the committee's tasks and presented the analysis performed by CWRDM. Based on the same following items were discussed:

Item 1: Water Supply based on need-based gaps at Service level

In the SLTC meeting three gaps namely, Gap in connection, Quantity of shortage of water and Shortage of Quality of water. Each were given weightage of 50%, 25% and 25% respectively.

Action Taken: Based on the Principal Component Analysis performed with the available data sets for AMRUT 1 cities and AMRUT 2 cities, it was found that all the three gaps are equally significant and shall be given equal importance. So, 33.33% each for gap items will hold good.

Discussion: The quantity of available water resources will be the key item. So, it was asked to provide a higher percentage for the quantity and other two be equally. Also, there are out layered values for some cities, which has to be assessed separately case by case.

Decision of the Committee: Quantity of water can be given 40%, Gap in connection 30%, Gap in water quality 30%.

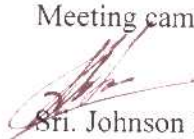
Item 2: Rejuvenation & Park Sector

The data available for evaluation is very limited at this stage to evaluate.

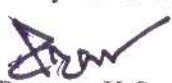
Discussion: The water scarcity can be the decisive factor for selecting the ULB's. With less data available with AMRUT, prioritization could not be performed. If there is any available topographic, drought indexes or aquifer recharge plans in the ULB's it will be very helpful in deciding. Moreover, the 6 municipal corporations may be given token amount and 87 municipalities may be pooled more amount.

Decision of the Committee: Since there will be minimum one water body in each ULB, it can be distributed to all cities. But priorities can be given to cities having severe scarcity (gap in quantity of water), while distributing the funds. Of the 5% central assistance (Rs. 68.6 Cr), 3 Cr to be disbursed among the Municipal Corporations uniformly and the remaining 65.6 Cr to be given based on the scarcity percentage to all municipalities. The prospective water bodies can be identified later. The ULB's can take the help of CWRDM for finalizing the water body.


Meeting came to an end by 18:45 hrs.



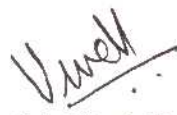
Sri. Johnson K



Sri. Praveen K S



Sri. Rahul



Sri. Vivek B



Sri. Charles A L

To,

The Mission Director, AMRUT Kerala

Minutes of the Subcommittee meeting of SLTC-AMRUT 2.0

Date: 18.04.2022

Time: 17.00 hrs

Venue: Google Meet

Members Present

Sri. Johnson K, Chief Engineer, LSGD
Sri. Vijayakumar M K, Urban Infrastructure Expert, AMRUT Kerala
Sri. Praveen K S, Director, LWM, Suchitwa Mission
Sri. Rahul , Asst. Engineer to MD, Kerala Water Authority
Sri. Vivek B, Scientist, CWRDM
Smt. Ashida A G, Urban Planner, AMRUT Kerala

Second online meeting of the subcommittee to elaborate on the items discussed in the meeting held on 11.04.2022.

Sri. Vivek B, briefed about the incorporations made on the calculation part by AMRUT team based on the recommendations of the committee.

Item 1: Water Supply based on need-based gaps at Service level

Subcommittee had recommended for 40:30:30 (Quantity: Quality: Connection).

Action Taken: The budget was reallocated based on the percentage recommended by the committee. For the water supply future forecasting 20% loss also included for both quantity and quality. The domestic water demand is calculated for 150 LPCD.

Decision of the Committee: Recommended the revised budget allocation.

Item 2: Rejuvenation of water bodies & Park Sector

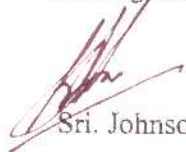
Subcommittee had recommended to give Rs. 3 Crore equally shared with 6 municipal corporations from the Central assistance of Rs. 80.16 Cr. and the remaining municipalities can be given based on the quantity of water sources being used for supply.

Action Taken: The budget was reallocated based on the recommendations. 50 Lakhs Rupees to be allocated for 6 Municipal corporations (Total- Rs. 3 Cr.). The remaining 87 ULB's were given the weighted percentage based on the quantity.

Discussion: There were municipalities with lesser allocation and few were having more allocation. Shall bring a maximum cut off limit for allocation.

Decision of the Committee: The committee recommend to give maximum limit of Rs. 1 Cr to all municipalities. The remaining fund will be kept in common pool and can be allocated based on the DPR submitted by the municipality.

Meeting came to an end by 17:40 hrs.



Sri. Johnson K



Sri. Praveen K S



Sri. Rahul



Sri. Vivek B



Sri. Vijayakumar M K

To,

The Mission Director, AMRUT Kerala