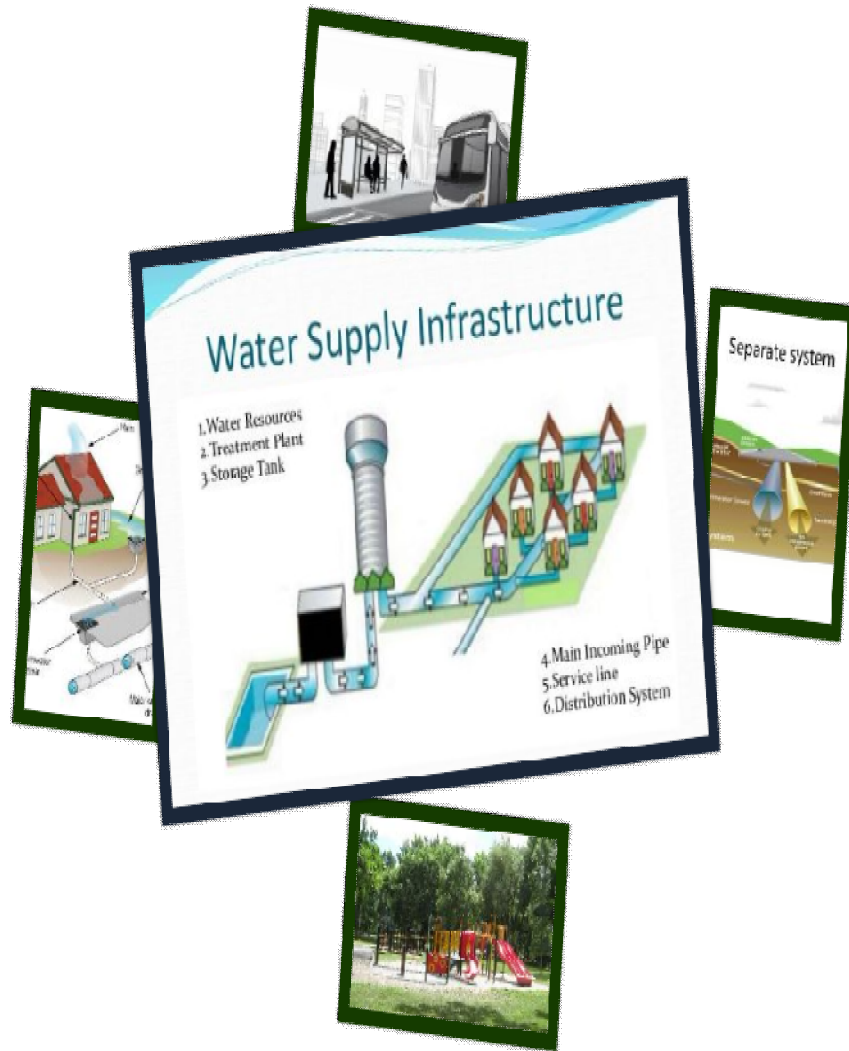


STATE ANNUAL ACTION PLAN 2017-2020



LOCAL SELF GOVERNMENT DEPARTMENT, GOVERNMENT OF KERALA



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Checklist – Consolidated State Annual Action Plan of all ULBs to be sent for Assessment by MoHUA (as per table 6.2)

S.No.	Points of Consideration	Yes/ No	Give Details
1.	Have all the Cities prepared SLIP as per the suggested approach?	Yes	All the Cities prepared SLIP as per the guidelines issued by MoHUA.
2.	Has the SAAP prioritized cities for investment as per priority sectors and gap assessment?	Yes	In the SAAP, investment for project has been prioritised based on service level gaps in each sector.
3.	Is the indicator wise summary of improvements proposed (both investments and management improvements) by State in place?	Yes	Indicator-wise improvement is proposed in all five sectors for investment and Management.
4.	Have all the cities under Mission identified/done baseline assessments of service coverage indicators?	Yes	All 9 mission cities have done service level benchmarking in all five sectors to assess the service coverage
5.	Is the SAAP derived from an approach towards meeting Service Level Benchmarks agreed by Ministry for each Sector?	Yes	The projects in the SAAP are prioritised based on the gaps identified through the service level bench marking agreed by ministry in each sector.
6.	Is the investment proposed commensurate to the level of improvement envisaged in the indicator?	Yes	Investments proposed in SAAP are commensurate with Service Level improvement strategies derived after benchmarking
7.	Are State Share and ULB share in line with proposed Mission approach?	Yes	As per the mission guideline, the State share to be not less than 20% . In Kerala, the fund sharing pattern between State and ULB is 30: 20.

8.	Is there a need for additional resources and have state considered raising additional resources (State programs, aided projects, additional devolution to cities, 14th Finance Commission, external sources)?	Yes	Yes. State has allocated the 1 st instalment of funds under 14th Finance Commission to the ULBs. State will raise additional resources for AMRUT through devolution of fund to Municipalities and converging with other State and Centrally sponsored schemes.
9.	Does State Annual Action Plan verify that the cities have undertaken financial projections to identify revenue requirements for O&M and repayments?	Yes	The state has released the fund to the ULBs under 14 FC. However the possibility of meeting O&M cost through user charges, additional resource mobilization etc are being explored.. O&M can be met from the Maintenance Fund (Non Road) distributed to ULBs every year and cost recovery will be addressed while preparing the DPR .
10.	Has the State Annual Action Plan considered the resource mobilization capacity of each ULB to ensure that ULB share can be mobilized?	Yes	ULB level resource mobilization potentials and possibilities were explored. The HPSC has decided that in the case of financially weaker ULBs, State would consider contributing the ULB share of 20% in priority sectors. Also, ULBs have been encouraged to mobilise CSR/PPP models in the other sectors namely Urban Transport and Green Spaces.
11.	Has the process of establishment of PDMC been initiated and completed?	No	PDMC was not appointed. 7 th SHPSC has decided to unbundle the functions of the Project Development and Management Consultant into three major tasks.

			<p>A. Project Development B. Quality Assurance C. Project Monitoring</p> <p>Which shall be taken care by parastatal agencies (ULB/KWA) with the support of AMRUT Mission Management Units and other Government accredited agencies/ short term Consultants</p>
12.	Has a roadmap been prepared to realize the resource potential of the ULB?	Yes	The resource mobilization capacity of each ULB has been analysed under CCBP (JnNURM). Also credit rating process has been initiated to assess the possibilities to improve the resource mobilisation through improved tax collection systems, user charge etc.
13.	Is the implementation plan for projects and reforms in place (Timelines and yearly milestones)?	Yes	Yes all departments concerning implementation of projects and reforms have been informed and discussed to prepare the implementation plan.
14.	Has the prioritization of projects in ULBs been done in accordance with para 7.2 of the guidelines?	Yes	Prioritization of projects has been done accordance to AMRUT guideline. Priority is given to the cities with higher gaps in the service levels of water supply and sewerage.



P.S. Mohammed Sagir IAS
State Mission Director, AMRUT
Kerala

Abbreviations

AMRUT	Atal Mission for Rejuvenation and Urban Transformation
ADB	Asian Development Bank
ATI	Administrative Training Institute
BFP	Business Cum Financial Plan
BRTS	Bus Rapid Transit System
CBO	Community Based Organisations
CA	Central Assistance
CCR	City Credit Ratings
CDP	City Development Plan
CFY	Current Financial Year
CPHEEO	Central Public Health and Environmental Engineering Organisation
CSP	City Sanitation Plan
CTP	Chief Town Planner
CWRDM	Centre For Water Resources Development And Management
DLP	Defects Liability Period
GIS	Geographic Information System
GoK	Government of Kerala
G Tech	Group of Technology Companies
EWS	Economically Weaker Section
IEC	Information, Education and Communication
IKM	Information Kerala Mission
IMG	Institute of Management In Governance
IRMA	Independent Review and Monitoring Agency
ITPI	Institute of Town Planners India
JICA	Japan International Cooperation Agency
JnNURM	Jawaharlal Nehru National Urban Renewal Mission
NRW	Non-Revenue Water
KILA	Kerala Institute of Local Administration
KMBR	Kerala Municipal Building Rules
KMRL	Kochi Metro Rail Ltd
KSRTC	Kerala State Road Transport Corporation
KSUDP	Kerala Sustainable Urban Development Project
KURDFC	Kerala Urban And Rural Development Finance Corporation Ltd)
KWA	Kerala Water Authority
LNG	Liquefied Natural Gas
LIG	Lower Income Group
LSGD	Local Self Government Department

MoHUA	Ministry of Urban Development
NATPAC	National Transportation Planning and Research Centre
NEERI	National Environmental Engineering Research Institute
NMT	Non Motorised Transport
PMU	Project Management Unit
PPP	Public Private Partnership
PWD	Public Works Department
O&M	Operation and Maintenance
RTO	Regional Transport Office
RWA	Residents Welfare Association
SAAP	State Annual Action Plan
SLB	Service Level Benchmark
SLIP	Service Level Improvement Plan
SLNA	State Level Nodal Agency
SPV	Special Purpose Vehicle
TCP	Town and Country Planning Department
TMC	Thiruvananthapuram Municipal Corporation
TOD	Transit Oriented Development
URDPFI	Urban Rural Development Plans Formulation and Implementation
UIDSSMT	Urban Infrastructure Development Scheme for Small & Medium Towns
ULB	Urban Local Bodies
WC	Ward Committee

**Approval of 3rd
SAAP 2017- 20
From SHPSC**

**Minutes of the
8th ,9th & 10th
SHPSCs**

Minutes of the State Level High Powered Steering Committee (SHpsc) Meetings

10th SHpsc

Minutes of the 10th State Level High Powered Steering Committee (SHpsc) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 14th July 2017 in the Committee Room of the Chief Secretary, Government of Kerala.

Members Present:

1. Dr.K.M. Abraham IAS, Additional Chief Secretary, Finance Department
2. Sri V.S. Senthil IAS, Additional Chief Secretary, Planning & Economic Affairs Department
3. Sri T K Jose IAS, Principal Secretary, LSG Department
4. Smt. Tinku Biswal IAS, Secretary, Water Resources Department
5. Sri. P S Mohammed Sagir IAS, Mission Director AMRUT
6. Sri. Biju Prabhakar IAS, Secretary, PWD
7. Smt. Haritha V Kumar IAS, Director, Urban Affairs Department
8. Sri. P.R. Saji Kumar, CE, LSGD
9. Sri. Shaji Joseph, Chief Town Planner (Planning)
10. Sri. Haris, Chief Engineer, Kerala Water Authority
11. Smt. Prasannakumary, AS, Planning and EA Department
12. Sri. C.V.Joy, Director (Operations), Suchitwa Mission

The meeting of the 9th State Level High Powered Steering Committee (SHpsc) of AMRUT chaired by Smt. Nalini Netto IAS, Chief Secretary, Government of Kerala, commenced at 12.00 noon.

Sri P S Mohammed Sagir, AMRUT Mission Director, presented the points in the agenda one by one and after detailed deliberations following decisions were made

Agenda Item No. 1. Approval of minutes of the 9th meeting of SHpsc.

The Committee approved the minutes of 9th meeting of SHpsc held on 9th May 2017

Agenda Item No. 2. Action taken report on the decisions of the 9th meeting of SHpsc held on 9th May 2017

The Committee noted the Action Taken Report on the decisions of the 9th SHpsc held on 9th May 2017.

2.1. Seeking financial support of the State in assisting the ULBs.

It was decided by the SHpsc to seek the State's support in financially assisting the Mission cities to meet the ULB share for the

Minutes of 10th State Level High Powered Steering Committee (SHPSC)-AMRUT

projects under the priority sectors - Water Supply & Sewerage. A joint meeting of the Hon. Minister of Finance, Hon. Minister of Water Resources and Hon. Minister of Local Self Government Department was convened on 16th May 2017. It was decided that, out of the 20% ULB share of the project cost of water supply (Rs.214.23 Cr) and sewerage / septage management (Rs. 124.95 Cr) projects of the AMRUT mission cities for the mission period, the State government shall contribute 15% of ULB share upfront and the ULBs have to meet only 5% of the project cost. The amount contributed by the State will be deducted from the annual Plan fund Allocation to the ULBs over a period of 10 years. Minutes of the meeting is pending which needs to be expedited. Subsequently a note in this regard has to be submitted from LSGD to Finance department

Action by	Time Limit	Monitoring by
Sri. P.S Mohammed Sagir, Mission Director, AMRUT	25.07.2017	Sri. T.K.Jose, Principal Secretary, LSGD

2.2. SAAP 2017-18

The Chairman approved the list of projects under SAAP 2017-18 submitted by the Mission Director as directed in the 9th SHPSC.

In SAAP 2017 -18, Kerala had submitted 157 projects of 9 mission cities in five sectors amounting to Rs.973.64 Crs, the details are given .

#	ULB	SAAP 2017-18						Total
		WS	Sewerage	SWD	UT	Park		
1	Trivandrum	No of Projects	3	14	2	3	1	23
		Cost in cr	25	75.47	24	14	3	141.5
2	Kollam	No of Projects	2	2	1	2	2	9
		Cost in cr	42.90	31.59	15	13.29	2.00	104.7
3	Alappuzha	No of Projects	1	1	1	1	2	6
		Cost in cr	58.13	6	25.97	4.25	1.94	96.29
4	Kochi	No of Projects	5	1	14	6	4	30
		Cost in cr	53.01	37.79	24.98	13.93	2.99	129.7
5	Thirissur	No of Projects	9	1	1	2	5	16
		Cost in cr	64.30	23.6	15.78	5	2.22	100.9

Minutes of 96th State Level High Potential Steering Committee (SHPSC) - AMRUT

6	Gurusayur	No of Projects	3	0	1	1	2	7
		Cost in cr	80.86	0	0.64	6	1.78	89.28
7	Palakkad	No of Projects	8	0	27	9	7	51
		Cost in cr	67.33	0	17.61	7.98	1.91	94.83
8	Kozhikode	No of Projects	1	1	1	1	1	5
		Cost in cr	46.55	34.06	19.3	11.35	2.27	113.5
9	Kannur	No of Projects	3	1	1	1	4	10
		Cost in cr	38.27	28	13.87	9.34	1.89	93.37
	TOTAL	No of Projects	35	21	49	26	23	157
		Cost in cr	476.35	236.31	156.15	85.14	19.69	973.64

2.3 Energy Audit for Water Systems

9th SHPSC held on 9th May 2017 has directed KWA to do energy audit of pumping systems with the support of Energy Efficiency Services Ltd. (EESL) in the nine AMRUT cities. The contract agreement among KWA, Mission Directorate and EESL being finalized. KWA informed that legal vetting of the document is ongoing. Mission Directorate has requested KWA to share the city-wise scope of work and relevant information to be included in the agreement. The SHPSC observed that the last energy audit was done by KWA in nineties and the technology has advanced much since then. The SHPSC pointed that the assets of water supply systems is owned by KWA hence the energy audit of the pumping systems of the nine AMRUT cities has to be steered by KWA. The expenditure in this regard may be met from the AMRUT A&OE fund. KWA will take necessary steps to initiate the speedy work of the project. Signing of the agreement to be done by last week of July and audit process to start by 1st week of August.

Action by	Time Limit	Monitoring by
Sri. Haris, Chief Engineer, KWA.	25th July 2017	Sri. P.S Mohammed Sagir, Mission Director, AMRUT

Minutes of 70th State Level High Powered Steering Committee (SHPSC) - AMRUT

Agenda Item No. 3. Status of AMRUT Mission

The committee deliberated in detail about the present status of the Mission. Since all three SAAPs are approved, the target for the mission period (2015-2020) is well defined now.

3.1 PROJECT PROGRESS

SAAP	No of projects	Amount	Amount (In Cr)							
			DPR prepared		AS accorded		TS accorded		Work awarded	
			No of projects	Total cost	No of projects	Total cost	No of projects	Total cost	No of projects	Total cost
2015 - 2018	379	2357.69	155	904.39	63	580.89	36	220.67	20	16.41

So to fast track the implementation, the prime focus now has to be on DPR preparation and issuing administrative sanction and technical approvals.

DPR preparation

Sectorwise progress in DPR preparation was discussed and the timelines were assigned for completion of DPRs.

City Name	Water Supply		Sewerage/ Septage Management		Storm Water Drainage		Urban Transport		Open Space /Parks		City Wise Total	
	Total	Pending	Total	Pending	Total	Pending	Total	Pending	Total	Pending	Total	Pending
Trivandrum	7	3	23	14	11	3	8	7	4	2	53	29
Kollam	9	3	6	6	4	0	9	2	6	2	34	13
Alappuzha	3	1	3	3	3	3	5	5	7	3	21	15
Kochi	19	5	4	4	18	16	10	8	9	8	60	41
Thrissur	21	12	4	4	3	3	5	5	5	4	38	28
Geruvayoor	6	1	2	2	3	3	3	1	6	0	20	7
Palakkad	14	8	2	2	56	27	21	16	18	4	111	57
Kozhikode	4	2	3	3	5	5	2	2	5	4	19	16
Kannur	9	4	2	2	3	3	2	2	7	7	23	18
Total	92	39	49	40	106	64	65	49	67	34	379	224

The SHPSC discussed on the DPR preparation progress and the following decisions were taken

Minutes of 19th State Level High Powered Steering Committee (SLPSC) - AMRUT

Water Supply Sector**No. of DPRs pending :** 39**Proposed Completion date :** 60 days from 14.7.2017**Action By :** Managing Director, KWA**Monitoring by :** Mission Director, AMRUT**Remarks :** If topographical survey etc. is required, KWA may engage multiple agencies for the work and stick to the timelines.***Sewerage / Septage management Sector*****No. of DPRs pending :** 40**Proposed Completion date :** 60 days from 14.7.2017**Action By :** MD, KWA for Trivandrum &

Secretaries of AMRUT mission cities except Thiruvananthapuram

Monitoring by : Mission Director, AMRUT**Remarks:** Regarding the sewerage projects, DPR preparation for Thiruvananthapuram corporation will be taken up by KWA. In all other 8 mission cities, concerned ULB secretary will invite appropriate consultants /accredited agency approved by the Finance Dept, LSGD, Suchitwa Mission through competitive bidding process.

Sri.Haris, Chief Engineer KWA, requested if KWA could continue with rehabilitation work of existing treatment plant at Elankulam at Kochi. After deliberation, SLPSC decided to entrust the rehabilitation of 5mld STP plant at Elankulam to KWA. On further discussion, SLPSC decided that all sewerage projects approved in SAAP where there is an existing sewerage setup of KWA, the work may be entrusted to KWA. Secretary Water Resources opined that there has to be more clarity on who will be responsible for which all sewerage projects in mission cities.

Finally, the Chairman concluded that a detailed meeting may be convened by Principal Secretary for micro level planning, regarding the remaining mission cities where KWA itself will take up DPR preparation of sewerage projects or whether external consultant / EPC contractors have to be depended. KWA at present is entrusted only sewerage projects of Thiruvananthapuram and rehabilitation of STP project at Elankulam, Kochi.

Storm water Drainage Sector**No. of DPRs pending : 64****Proposed Completion date :** Kochi and Palakkad in 45 days, Remaining cities in 30 days from 14.7.2017**Action By :** Secretaries of AMRUT mission cities**Monitoring by :** Mission Director, AMRUT**Remarks:** Final discharge and connectivity to main drain network to be ensured.***Urban Transport and Open Spaces & Parks Sectors*****No. of DPRs pending :** 49 in UT and 34 in Parks**Proposed Completion date :** 60 days from 14.7.2017**Action By :** Secretaries of AMRUT mission cities**Monitoring by :** Mission Director, AMRUT**Remarks:** DPRs may be prepared by KMRI, / consultants as per ULB's willingness. Rates for end to end support to be negotiated in line with the GO for centage charges issued by Finance (Infrastructure) Department for projects under KHFBS (GO (P)No.61/2017/Fin. Dated 09.05.2017)

The Mission Director raised a concern if e-Tendering process is required for bidding process during consultant selection for DPR preparation and Principal Secretary, LSGD sought clarification on this from the Additional Chief Secretary(Finance). ACS (Fin)replied that e-tendering is not mandatory in bidding process for selection of consultants from government empanelled list for DPR preparation

3.2 Administrative sanction (AS)

Following the DPR preparation, the SLTC will review the DPRs and recommend the same to the SHPSC. SHPSC decided that Administrative Sanction of projects shall be accorded by the SHPSC itself, as officials of Finance and planning are members in the Committee, like in case of other Centrally Sponsored schemes. The projects need not be placed further in the working group mechanism for issuing of AS.

3.3 Technical Sanction (TS)

- a) Water Supply projects: SHPSC decided to permit KWA to issue TS to all water supply projects.

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- b) Sewerage Projects: For project reports prepared by KWA, KWA itself can accord the TS while for projects for which the DPRs are prepared by external consultants, TS is to be issued by the Technical Expert Committee.
- c) For Storm Water Drainage: TS to be accorded by USGD Engineering wing itself as per the prevailing norms.
- d) For Urban Transport and Parks sectors: The Projects reports to be vetted and TS to be accorded by the Technical Expert committee.

Following the Sectoral review of projects, the SLTC will appraise and approve the projects, which is mandatory as per the AMRUT Guide lines.

3.4 The SHPSC directed the following:

- Since the targets, responsibilities and process for approvals have been clearly decided, strict follow up actions have to be taken by the Mission Director AMRUT and will be monitored by the Principal Secretary (USGD) regularly.
- Kerala Water Authority to prepare city-wise plans to expedite their activities. Timelines to be adhered to by KWA are as follows.

DPR preparation : Latest within 60 days from 14/07/2017

AS : Latest within 75 days from 14/07/2017

TS : Latest within 80 days from 14/07/2017.

- The Urban Local Bodies to own up the AMRUT projects of all sectors including water supply and conduct periodic monitoring of progress of DPR preparation and implementation.

Activities to be done	2017-18											2018-19	2019-20
	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR			
1 Pending DPR Preparation													
2 AS and TS													
3 Tendering Process													
4 Implementation													
5 Third Party Monitoring													

Agenda Item No. 4. OPERATIONAL GUIDELINES FOR AMRUT PROJECTS

The Mission Directorate has prepared an operational guidelines for the institutional building and timely implementation of projects, reforms and capacity building activities proposed under AMRUT. The guidelines prepared were circulated in the SHPS-C.

Since the operational guidelines need a closer look by all members and comments from major stakeholder departments. The members will present their views/comments in the next SHPS-C for approval.

Agenda Item No. 5. ADMINISTRATIVE SANCTION OF DPRS

In the 7th SLTC held on 16.06.2017, 16 DPRs amounting to Rs. 120.54 Cr, and in the 8th SLTC held on 28.06.2017, 4 DPRs amounting to Rs 23.16 Cr were reviewed and recommended to be placed before the SHPS-C to accord Administrative Sanction (AS).

Table 5.1. List of Projects placed for AS

A. Projects reviewed in 7th SLTC held on 16th July 2017			
SN	City Name	Project Name	Project Cost (Rs in Cr)
A	WATER SUPPLY		
1	Thiruvananthapuram	Supplying and installation of smart meters	2.29
2	Kochi	Construction of 10L.L. OHSR at Thevara	5.60
3		Construction of 17L.L. OHSR and CWR at Pachalam	7.75
4		Construction of 15L.L. OHSR and 2L.L. CWR at Vadathode, Cherunalloor	7.75
B	STORM WATER DRAINAGE		
5	Thiruvananthapuram	Storm Water drainage projects (33 projects) in 21 Divisions	15.88
6	Kochi	Rejuvenation of Thevara - Perandur Canal	22.18
7	Guruvayur	SAAP 2015-16, 2016-17, 2017-18 Package 1 - Covering and repair of minor drains in 16 different locations of the municipal area	13.85

Minutes of 10th State Level High Powered Steering Committee (SHPSC) - JHRL 7

C URBAN TRANSPORT			
8	Kochi	Construction and Renovation of Foot Path at MG road(Atlantis to Thevara) Subash Chandra Bose Road & KP Vallon Road	5.46
9	Guruvayur	Construction of Multi Level Car Parking	25.81
10		Construction of Foot Paths in 4 Locations in Temple Circle Areas	8.17
D PARKS			
11	Thiruvananthapuram	Park in Nanthencode ward	0.30
12	Guruvayur	Development of parks & playground at Bhagat Singh ground	1.00
13		Development of parks & playground at Pookode Samskarika Nilayam	1.58
14		Development of parks & playground at Brahmakulam	0.62
15		Development of parks & playground at Pookode	0.63
16		Development of ground at Chavakkad High School	1.67
TOTAL			120.54
B. Projects reviewed in 8th SLTC held on 28th June 2017			
URBAN TRANSPORT -PALAKKAD			
17		Bus terminal yard near Stadium bus stand	3.18
18		Bus shelters in 22 locations	0.78
19		Elevated foot path at various locations and escalator for rail foot over bridge	3.86
20		Pedestrian walkway and bicycle track	15.34
TOTAL			23.16
TOTAL PROJECT COST			143.70

As the above listed 20 projects have been appraised, at the SLTC prior to recommendation, the SHPSC decided to accord Administrative Sanction to the projects. Immediate steps to be taken to expedite technical sanction for the projects based on today's decision no.3.3 regarding TS.

Minutes of 100th State Level High Powered Steering Committee (SHPSC) AMRUT

Action by	Time Limit	Monitoring by
Sri. P.S Mohammed Sagir, Mission Director, AMRUT	30.07.2017	Sri. T.K.Jose, Principal Secretary, LSGD

Agenda Item No.6. TECHNICAL SANCTION OF DPRS PREPARED BY KERALA WATER AUTHORITY

Since KWA already has an established mechanism to scrutinize project proposals and the Chief engineers of KWA are having unlimited powers for issuing TS in respect of projects taken up under various funding agencies, the SHPSC decided to authorize Kerala Water Authority to accord technical sanction (TS) for projects:

- (1) All Water Supply projects
- (2) Sewerage projects for which DPRs are prepared by KWA .

Agenda Item No.7. ENGAGING KOCHI METRO RAIL LIMITED IN URBAN TRANSPORT

The SHPSC deliberated on the earlier meetings of the Mission Director with KMRL. SHPSC decided that DPRs may be prepared by KMRL / empanelled consultants as per ULB's choice. Rates for end to end support and related expenses for projects in urban transport and parks sector under AMRUT to be negotiated in line with the percentage rates prescribed in the GO issued by the Finance (infrastructure) Department under GO (P)No.61/2017/Fin. Dated 09-07-2017. In case the cost of a project in the DPR exceeds the amount sanctioned in the SAAP for the same, it may be brought before the SHPSC for case to case approval.

Agenda Item No.8. AMRUT REFORMS

The Committee discussed on the mandatory reforms to be achieved under AMRUT and the year wise targets and the incentives received in the previous years.

8.1 Reform Incentive 2015-16

SHPSC decided that the incentive amount of Rs. 15 cr received for the year 2015-16 will be distributed to the mission cities based

Minister of PWB, State Level High Powered Steering Committee (SHPS) - AMRUT

on their performance in achieving the reform milestones(40%), population (30%) and project allocation (30%) as follows after retaining Rs. 3 Cr at the State.

SNO	Name of ULB	Allocation Rs in Cr
1	Thiruvananthapuram	2.09
2	Kollam	1.32
3	Alappuzha	1.08
4	Kochi	1.66
5	Thrissur	1.29
6	Guruvayur	0.97
7	Palakkad	0.98
8	Kozhikode	1.61
9	Kannur	1.00
	Total	12.00

8.2. Reform Incentive 2016-17

Achievement of category of 70% and 80% Kerala State has received an incentive amount of Rs.16.68 Cr from MoUD for reform milestones of 2016-17. The committee decided that the criteria to distribute the incentive to the Mission cities for the year 2016-17 should included their performance 60% weightage and 40%in implementing projects under AMRUT during 2016-17.The Committee directed the SLTC to work out a distribution pattern and present before the next SHPS.

Agenda Item No. 9. STATUS OF ADMINISTRATIVE REFORMS

The Director Urban Affairs presented the status of the pending administrative reforms of 2016-17. The Committee deliberated on the same as below.

9.1 Establishment of Municipal Cadre

This reform suggests a minimum of three cadres to be established in each state. For each cadre, it is suggested that the State government should bear their salaries, recruitment should be based on State rules and the employees may be transferrable to other cities every three years.

Municipal Functional Group	Municipal Services under the Municipal Cadre
Municipal Administrative Service (MAS)	<ul style="list-style-type: none"> • Municipal Executive Service • Municipal Social Development Service • Municipal Staff Services
Municipal Technical Service (MTS)	<ul style="list-style-type: none"> • Urban Planning/Engineering/Transportation Service • Municipal E-Governance Service
Municipal Finance Service (MFS)	<ul style="list-style-type: none"> • Municipal Accounts Service • Municipal Revenue & Financial Service • Audit services

Secretaries of Municipalities at present fall under the administrative cadre norms. Also, all other employees under ULBs are recruited by the State as per State recruitment rules. Only their salaries are disbursed by the respective local bodies.

The LSGD Engineering wing and town planning fall under the technical service cadre. But there is a clear absence of technical persons for e-governance (though partially fulfilled by IKM) and transportation services. Local bodies may appoint suitable professionals with Government approval and pay them from their own funds.

In Municipal Finance Cadre, there is need for specialized officers to be appointed. In line with the Finance Minister's budget speech to appoint a Chartered Accountant in all the six corporations, the SHPSC decided that a Chartered Accountant each should be appointed on contract in all the nine mission cities to comply with the reform. The Director (Urban Affairs) to submit a proposal regarding the appointment of CA in all Mission Cities and detailed proposal to create a municipal Finance cadre in the state to the Government.

Action by	Time Limit	Monitoring by
Smt. Haritha V Kumar Director, UA	21.07.2017	Sri.T.K.Jose, Principal Secretary LSGD

9.2. Appointment of Internal Auditor 2330103

One of the reforms remaining to be achieved under AMRUT for 2016-17 is '*appointment of Internal Auditor*' specially for the auditing of funds devolved to urban Local Governments through various schemes either Central or State. Director (Urban Affairs), during the SHPSC meeting presented the below facts regarding internal Auditor appointment..

There is already existing a system of Performance Audit of the Urban Self Government Institutions. State Government in 1997 brought about the Kerala Municipality (Manner of Inspections and Audit System) Rules 1997. Performance Audit, as per the above rules, is defined as:-

"Performance Audit means the inspection on the administration intended to evaluate whether the developmental and social welfare functions vested in a municipality and financial and controlling powers entrusted to that municipality are being executed and utilized effectively and efficiently in accordance with the Acts, Rules and directions and giving of timely directions to rectify the defects, if any, and includes the scrutiny of the accounts, records, proceedings and the assessment, demand and collection of tax and public works and the pointing out of defects, if any of the municipality or of an institution under the administrative control of the municipality and the giving of directions to comply with procedures in accordance with law".

The Director concluded that, since the above conforms with the Internal Audit Mechanism as envisaged by the reforms in 1997, the State Government appointed the Regional Joint Directors as Performance Audit Officers for the Municipalities under their jurisdiction and the State Performance Audit Officer for the Corporations. **So the state may claim that 'appointment of internal auditor' reforms has already been accomplished in Kerala.**

Supporting staff have also been allocated and the audit mechanism has been functioning and the audit reports are being submitted periodically. But, for the last 2 years, the Performance Audit in Municipalities had not been functioning effectively due to

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some technical reasons. Therefore, the system has to be re-energized by periodic monitoring and shall be brought into track with an year.

Agenda Item No. 10. APPOINTMENT OF DEPUTY DIRECTOR (PROJECTS)

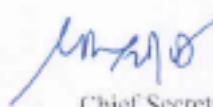
In order to guide the Mission Directorate regarding the governmental procedures, liaison with para-statal agencies and Independent Review and Monitoring Agencies and advice in tendering and technical inspection of projects and appraising the variations in tender from time to time, during the project implementation phase of AMRUT, a serving officer from KWA / PWD or LSGD was requested to be appointed on deputation in State Mission Management Unit.

The SHPSC directed the Chief Engineer LSGD to depute an officer from LSGD Engineering wing not below the rank of Assistant Executive Engineer with M.tech/MBA as Deputy Director (Projects) in SMMU AMRUT.

Action by	Time Limit	Monitoring by
Sri. P.S Mohammed Sagir Mission Director, AMRUT	14.08.2017	Sri.T.K.Jose, Principal Secretary, LSGD

The meeting concluded at 3 PM




 Mission Director, AMRUT

 Chief Secretary
 (Chairman SHPSC AMRUT)

9th SHPSC

Minutes of the 9th State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 9th May 2017 at 11.30 am in the Committee Room of the Chief Secretary, Government of Kerala.

Members Present:

1. *Sri V.S. Senthil IAS, Additional Chief Secretary, Planning & Economic Affairs Department*
2. *Sri Mishaj Alam IAS, Principal Secretary, Finance Department*
3. *Smt. Tinku Biswal IAS, Secretary, Water Resources Department*
4. *Sri. A. Shajahan IAS, Secretary, Local Self Government Department*
5. *Sri. P. S. Mohammed Sagir IAS, Mission Director AMRUT*
6. *Sri Haritha V. Kumar IAS, Director, Urban Affairs Department*
7. *Shri. Raveendran T, Technical Member, Kerala Water Authority*
8. *Sri. Shaji Joseph, Chief Town Planner (Planning)*

The meeting of the 9th State Level High Powered Steering Committee (SHPSC) of AMRUT chaired by Smt Nalini Netto IAS, Chief Secretary, Government of Kerala, commenced at 11.30 AM.

- In the opening remarks, Chairman pointed out that during the Pragati meeting, (monthly review of projects by the Hon Prime Minister) the Ministry of Urban Development (MoUD) has reported that the pace of project implementation in Kerala is rated as very low.
- The Chairman checked the attendance of the members of SHPSC and noted the absence of the designated members. She also referred the Government Orders (GO (Rt). 2304/2015/LSGD dtd 27.07.2015 & GO (Rt). 300/2016/LSGD dtd 27.01.2016) regarding the constitution of SHPSC and pointed out that SHPSC need to be reconstituted to include senior officials of all stakeholder departments. The Chairman directed the Mission Director to put up a file to reconstitute the SHPSC.
- Sri P S Mohammed Sagir, the Mission Director, briefed about the status of AMRUT and fund release to the State. Ministry of Urban Development (MoUD) had launched AMRUT in June 2015. Following the OM No.K-13012/101(16)/2015-SCM-III-V dated 18th Aug 2015 from MoUD, the CCBP programme under JnNURM was realigned with AMRUT and Smart Cities Mission, and technical cells constituted for CCBP were reconstituted as at State and City level support units for the implementation of AMRUT. Based on the aforesaid OM, State Level High Powered Steering Committee (SHPSC) and State Level Technical Cell (SLTC) were constituted. (vide GO (Rt) No.2304/2015/LSGD dated 27.07.2015 and vide GO No.3227/2015/LSGD

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dated 30.10.2015 respectively). The Mission Management Units at state and city level started functioning from September 2015. Nine cities have been selected under AMRUT in Kerala (Six Corporations and municipalities of Alappuzha, Palakkad and Guruvayur).

Outlay of projects under AMRUT in Kerala for the mission period 2015-2020 is Rs. 2357.69 Cr which includes 375 projects across nine AMRUT cities in the five sectors (water supply, Sewerage/septage management, Storm water drainage, Urban Transport and Parks). For this, the State has submitted three State Annual Action Plans(SAAP).

SAAP 2015-16(SAAP I) amounting to Rs. 587.48 cr was approved by MoUD during November 2015 and a Central assistance of Rs.57.60cr (20% CA) has been released to the state against SAAP I.

SAAP 2016-17 (SAAP II) amounting to Rs.796.06 cr was approved by MoUD during September 2016 and a central assistance of Rs. 77.28 Cr (20% CA)has been released to the State against SAAP II.

SAAP 2017-18(SAAP III) amounting to Rs.973.64 Cr was approved in principle by MoUD during April 2017.The AMRUT mission will be celebrating its second anniversary on 25th June 2017 and the expenditure so far is Rs.3.08 Cr

- The Chairman noted that although the state has received a central assistance of Rs.135 Cr for projects, the expenditure for implementation is only Rs. 3 Cr so far, which needs to be seriously addressed.

The points in the agenda were taken up one by one and after detailed deliberations following decisions were made

1. Approval of minutes of the 8th meeting of SHPSC.

The Committee approved the minutes of 8th meeting of SHPSC held on 24th January 2017

2. Action taken report on the decisions of the 8th meeting of SHPSC

The Committee noted the Action Taken Report on the decisions of the 8th SHPSC.

2.1. Seeking financial support of the State in assisting the ULBs.

Sri. V S Senthil, Additional Chief Secretary (Planning) expressed his apprehensions over meeting the outlay of the projects under AMRUT. Additional Chief Secretary pointed out that the 20% of project share for the

Minutes of 9th State Level High Powered Steering Committee (SHPSC)-AMRUT

mission period. Rs. 464.48 Cr has to be met by the Mission Cities when many of cities are not even in a position to meet its revenue expenditure. The financial instability of the Mission Cities will bring about additional burden to the State Government and hence suggested to seek the opinion of the Finance Department in this regard.

The Mission Director pointed that the MoUD has directed that project cost proposed over and above the approved SAAP amount has to be met by the State. A total of Rs 35.29 Cr has to be met additionally by the State.

The Mission Director informed that a note was submitted to the Minister LSGD on 30.01.2017 for convening the joint meeting of the Minister for LSGD, Water Resources and Finance Departments. However, the committee expressed its concern over the delay in convening the meeting even after three months and directed to follow up with the Minister's office.

Action by	Time Limit	Monitoring by
Sri. P.S Mohammed Sagir, Mission Director, AMRUT	25 th May 2017	Sri. T.K. Jose Principal Secretary, LSGD

2.2. Appointment of Independent Monitoring & Review Agency (IRMA) for project under JnNURM

Mission Director had submitted a request letter to the Principal, College of Engineering (CET), Thiruvananthapuram seeking the willingness of CET to act as IRMA on 10.2.2017, along with the details of previous IRMA report for references. It was informed to the committee that the Head of Department of Civil Engineering, CET has confirmed their willingness to act as IRMA on 8.05.2017. The work will be undertaken as consultancy work through the Centre for Continuing Education, CET. The Committee directed that a formal agreement has to be signed up with CET in this regard.

Action by	Time Limit	Monitoring by
Sri. P.S. Mohammed Sagir, Mission Director, AMRUT	19 th May 2017	Sri. T.K. Jose Principal Secretary, LSGD

3. State Annual Action Plan 2017-18

Under AMRUT, the fund sharing pattern between Central and State+ULB is 50:50. The total Central Assistance (CA) to the State under AMRUT during the Mission period (2015-16 to 2019-20) is Rs.1161.20 Cr. The State and the Mission cities together have to put in a matching share.

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The committee took note of submission of SAAP 2017-18 to the Ministry of Urban Development on 29.03.2017 and that MoUD has approved the SAAP 2017-18 in principle vide OM No. F.N K-16015/4/2017/AMRUT-II dated 17.04.2017. The Committee also directed the Mission Director to submit a list of the projects under SAAP 2017-18 which were not approved in the last SHPSC. Ratification of this list will be taken-up in the next meeting. The approved list of Projects 2017-18 is annexed.

Action by	Time Limit	Monitoring by
Sri. P.S Mohammed Sagir, Mission Director, AMRUT	12 th May 2017	Sri. T.K. Jose Principal Secretary, LSGD

4. State Action Plan (SAP) for GIS based Master Planning -

Preparation of Geographic Information Systems (GIS) based master plans for all mission cities is one of the reforms to be achieved under AMRUT. This sub scheme of AMRUT is fully funded by MoUD. Town and Country Planning Department (TCPD) is designated as the nodal agency for the aforesaid reform. The Department prepared State Annual Plan (SAP) for the preparation of GIS based master plan and submitted to the Mission Director. The SAP was reviewed by the 5th meeting of SLTC held on 24.01.2017 and recommended the same for SHPSC's approval vide decision 6.3.

Estimated budgetary requirement for GIS Based Master Plan (SAP)

(Rs. in lakhs)

Sl. No	City	A - Geo-database creation	B - Master Plan Formulation		C - Capacity Building	Total
		2016-17	2016-17	2017-18	2016-17	
1	THIRUVANANTHAPURAM	19.09	50	25	2	96.09
2	KOLLAM	6.49	5	60	2	73.49
3	ALAPPUZHA	4.15	5	45	2	56.15
4	KOCHI	8.43	5	65	2	80.43
5	THRISSUR	9.01	5	65	2	81.01
6	GURUVAYUR	2.83	5	45	2	54.83
7	PALAKKAD	2.53	5	40	2	49.53
8	KOZHIKODE	10.54	5	65	2	82.54
9	KANNUR	6.96	5	60	2	73.96
	TOTAL	70.00	90	470	18	648.03

Minister of Pth State Level High Powered Steering Committee (SHPSC)-AMRUT

However, as per the direction of MoUD, the State Action Plan was submitted to the MoUD on 15th March 2017 subject to the ratification of the SHPSC.

The SHPSC took note of the recommendations of the SLTC and approved the State Action Plan submitted to the Ministry of Urban Development.

5. AMRUT REFORMS 2016-17

The Mission envisages improving governance through a set of Reforms. During the Mission period, 11 Reforms have to be implemented in the Mission cities. AMRUT incentivizes Reform implementation by setting aside 10% of project funds as incentive for the States. The States have to do a self-assessment in the prescribed procedure and submit the same along with supporting documents to the National Mission Directorate. During 2015-16, the State has received an incentive of Rs 15 Crore for accomplishing the prescribed reforms.

5.1. The SHPSC discussed each reform components in detail and the Committee suggested the Director, Urban Affairs to submit a note on the status of State level administrative reforms including the creation Municipal Cadre as envisaged under AMRUT. The committee also directed the Director of Urban Affairs to develop a system to monitor the mission cities's reform achievements and sustenance.

Action by	Time Limit	Monitoring by
Smt. Hariitha Y Kumar, Director, Urban Affairs	15 th June 2017	Sri. P.S. Mohammad Sagir, Mission Director, AMRUT

5.2. Mission Director, has forwarded the self assessed score card of reform milestones along with all supporting documents to Ministry of Urban Development on 29th April 2017.

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Status _ AMRUT Reform for FY 2016-17

#	Reform	Milestones	Ma x Score	State Claim	
				Number	%
1	E-Governance	Coverage with E-MAAS			86
		Registration of birth/death/Marriage	1	1	
		Water & Sewerage Charges	1	1	
		Grievance Redressal	1	0.6	
		Advertisement tax			
		Mutations			
		Payroll			
		Pension and e-procurement			
		Property Tax	1	1	
		Issuance of licenses	1	1	
		Building Permission	5	4	
2	Municipal Cadre	Establishment of Municipal Cadre	10	7	70
		Cadre linking Training	10	10	100
3	DEA	Appointment of internal auditor	10	5	50
		Publication of AFS on website#	10	10	100
4	Urban Planning	Energy Efficiency Projects	10	0	0
		Develop at least one Children Park every year in AMRUT cities#	10	10	100
5	Devolution of Funds & Functions	Implementation of SFC recommendations within timelines	10	10	100
6	Review of Building bye laws	Adoption of Model Building By-Laws-2016	20	10	50
7	Set up Financial Intermediary at State Level	Establishing SLFI at state level*	10	10	100
8	Credit Rating	Complete the credit ratings of the ULBs	10	10	100
9	Energy & Water Audit	Waste Water recycling and Faecal Sludge Management	10	10	100
		Total	130	100.6	77.38

The SHPSC noted that the reform's incentive claim was submitted to MoUD within the stipulated timeline and the committee approved the reforms claim and ratified the action of Mission Director.

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6. CREDIT RATING OF ULBs

Credit rating for all mission cities was one of the reforms to be accomplished under 2016-17. The Credit rating of the nine AMRUT cities were completed and the ratings are below.

Sl No	Mission City	Rating assigned	Rating Agency
1	Thiruvananthapuram	BWR BBB	M/s Brickwork Ratings India Pvt Limited
2	Kochi	BWR BBB	
3	Kollam	BWR BB+	
4	Kozhikode	BWR BB+	
5	Thrissur	BWR BB	
6	Kannur	Ir BB+	M/s ICRA Limited
7	Guruvayoor	Ir BB-	
8	Palakkad	Ir B+	
9	Alappuzha	Ir B	

*For the Rating categories, through the sign +(plus) or -(minus) appended to the Rating symbols indicate their relative position within the rating categories concerned. Thus Rating of BB+ is one notch higher than BB while BB- is one notch lower than BB.

The SHPSC took note of the ratings awarded to the Mission Cities and also that the activity was fully funded by MoUD. The committee enquired about the advantages of credit rating of the municipalities and discussed on the follow up activities. The Committee observed that MoUD has assured full funding support to the Mission cities and also circulated model Request for Proposals to engage empanelled consultants before 31st May 2017 for drafting action plans for accomplishing reforms including improvement of property tax, reduction of Non Revenue Water, enhancement of advertisement tax which will benefit the Cities. The SHPSC directed Urban Affairs Directorate to do detailed study in this regard and guide the ULBs.

7. ADMINISTRATIVE SANCTION OF DPRS

In the 5th SLTC held on 24.01.2017, 21 DPRs of Water Supply sector amounting to Rs. 306.095 Cr, received from KWA/Mission Cities were reviewed and recommended to be placed before the SHPSC to accord Administrative Sanction (AS).

7.1. The Chairman enquired about the roles and responsibilities of the SHPSC and guidelines of AMRUT issued by MoUD was referred. Further, the committee also referred to the decision of 3rd SHPSC held on 4th July 2017 regarding the roles of SHPSC in according AS. The Chairman pointed that the Steering

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Committee cannot act as an Empowered Committee unless and until Government Order is issued.

After detailed deliberations, the SHPSC decided to issue the AS subject to the scrutiny of Finance Department for following the financial rules of the State.

7.2.The Secretary (Water resources) pointed that the Kerala Water Authority (KWA) has submitted 34 DPRs to the Mission Directorate from Oct-Feb 2017 and the AS was accorded in SHPSC held on 24.12.2016 to 13 water supply projects for which the Government Order was issued by LSGD vide GO (Rt) No. 534/2107/LSGD dated 23.02.2017. However the issue of Technical Sanction was delayed due to change in the procedure adopted by the Mission Directorate.

The Secretary (Water Resources), informed that the during the initial phase of AMRUT, the Technical Sanction of the projects was issued by the implementing agency as per the prevailing rules of the respective department and expressed her apprehensions over the present mode of issuing TS by newly formed Technical Expert Committees constituted under the mission which is leading to additional procedures and time delay. The Secretary, suggested that KWA is having an established mechanism for issuing TS hence the committee may review the current procedure followed in AMRUT and to adopt the prevailing procedures for other projects.

The SHPSC reviewed the roles and responsibilities of the SHPSC and SLTC envisaged as per the AMRUT guidelines. The Committee directed the Mission Director to present the details of the institutional arrangements adopted in Kerala for AMRUT projects and its functions in the next SHPSC.

Action by	Time Limit	Monitoring by
Sri. P.S. Mohammed Sagir, Mission Director, AMRUT	15 th June 2017	Sri T.K Jose Principal Secretary, LSGD

9. ENERGY AUDIT OF WATER SYSTEM

To assist the States to initiate energy audit of water pumping system in Mission Cities MoUD has signed an agreement with the Energy Efficiency Systems Limited (EESL), a Public Sector Unit of Gov. MoUD has also shared a model agreement between the State, ULB and the EESL. However in Kerala, KWA is the nodal agency for the water sector. Hence, the Mission Director has initiated discussions with EESL and Kerala Water Authority to prepare Investment Grade Energy Audit (IGEA) report after conducting energy audit of the public

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water works and sewerage systems. A tripartite agreement between the Mission Directorate, EESL and KWA has to be signed to conduct IGEA. According to EESL, if the IGEA report recommends a replacement of pumps and the work of the same is assigned to EESL, the auditing will be done free of cost.

The SHPSC discussed the matter in detail and pointed that the assets of water supply systems is owned by KWA hence the energy audit has to be initiated by KWA. The Committee decided to engage EESL and conduct the Energy Audit initially using AMRUT A&OE funds.

Action by	Time Limit	Monitoring by
Smt. Tinku Biswal, Secretary, Water Resources	25 th May 2017	Sri. T.K. Jose Principal Secretary, LSGD

The course of action for implementing the recommendation of the IGEA report including the replacement of water pump-sets and cost bearing to be finalized after the receiving IGEA report.

9. UTILISATION OF REFORM INCENTIVE

The State of Kerala was awarded with an incentive for obtaining a score more than 70% for implementing mandatory reforms for FY 2015-16 under AMRUT. Vide MoUD OM No K-16012/3/2016- AMRUT II, the Ministry has released Rs 15.00 Cr for the achievement of the reform milestones. As per the general guidelines regarding reform incentive from MoUD, the SHPSC may decide upon the utilization of the incentive amount.

The 6th State Level Technical Committee held on 23rd Feb 2017 decided to retain an amount of Rs. 3.00 Cr at the State Mission Directorate and to utilize the amount for various feasibility studies. The remaining, Rs.12.00 Cr maybe distributed among the Mission cities based on their performance in achieving the reform milestones(40%), population (30%) and project allocation (30%).

The SHPSC decided to defer and adjourn this agenda to the next SHPSC meeting.

10. ENGAGING KOCHI METRO RAIL LIMITED IN URBAN TRANSPORT

In the 7th SHPSC held on 21.12.2016, it was decided to seek the willingness of KMRL to support mission cities in implementing projects under Urban Transport and Open spaces. Further, the Mission Director convened a preliminary meeting with Kochi Metro Rail Limited (KMRL) to know their willingness. KMRL has agreed to the same in principle. However, the KMRL has

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proposed a consultancy fee at an average of 7% of the total project cost for their end to end support.

In the 6th SLTC held on 23rd Feb 2017, it was decided that the ULBs may be given the freedom to select the agency for DPR preparation alone or forend-to-end support of the project.

Prevailing Government norms for end-to-end support

(Vide GO (P) No. 408/2007/FIN dated 7.09.2007)

- For DPR preparation alone -2.3% total project cost
- For End to End support - <50 Lakhs - 8%, 50 Lakhs to 3 Cr -7%, 3-5 Cr -6% and 5 Cr & above -5%

Government Norms for DPR preparation alone

(Vide GO (Rt) No. 421/13/LSGD dated 15.02.2013)

- 2.33% of the actual project cost

The SHPSC pointed out that the facts presented in the agenda are not sufficient to arrive at a decision. Therefore, the committee directed the Mission Director to place the agenda in the next SHPSC with all relevant decisions of the previous meetings.

Action by	Time Limit	Monitoring by
Sri. P.S. Mohammed Sagir, Mission Director, AMRUT	Next SHPSC meeting	Sri T K Jose Principal Secretary, LSGD

11. REVIEW OF PROGRESS OF AMRUT

The SHPSC took note that the State has submitted three State Annual Action Plans to MoUD . The mission has proposed a total of 375 projects worth Rs 2357.69Cr across nine mission cities, also State has received a total allocation of Rs.134.88 Cr (20% of the CA for SAAP I and II) from the GoI.


The committee expressed its concern over the delay in project implementation and that only 20 projects of SAAP 2015-16 have commenced in the ground. The ACS(Planning) enquired about the institutional arrangements established as per the MoUD guidelines. A strong municipal cadre has to be evolved in administration as well as technical side to handhold not only AMRUT but the other urban projects which will follow in the coming years.

In these circumstances, the Chairman directed the Principal Secretary, LSGD to convene a meeting of the Additional Chief Secretary(Finance), Principal Secretary (LSGD), Secretary(Water Resources) to deliberate on the objectives

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of AMRUT and its progress in the state and to formulate a robust operational guidelines and month wise action plan to achieve time bound implementation.

The committee decided to discuss and finalise the strategies for institutional building to support the AMRUT Mission and to prepare the plan of action to expedite implementation process, in the next SHPS-C meeting.


State Mission Director
AMRUT Kerala
State Mission Management Unit
Toll-free number - 800 070



Chief Secretary &

Chairman (SHPS-C - AMRUT)

NALINI NAIR
Chief Secretary

8th SHPSC*Minutes of the 8th SHPSC - AMRUT*

Minutes of the 8th State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held under the Chairmanship of the Chief Secretary on 24th January 2017 at 12.30 PM in the Committee Room of the Chief Secretary, Government of Kerala.

Members Present:

1. Shri. V S Senthil IAS, Additional Chief Secretary , Planning & Economic Affairs
2. Shri. T K Jose IAS, Principal Secretary, Local Self Government Department
3. Smt. Tinku Biswal IAS, Secretary, Water Resources Department
4. Sri. P S Mohammed Sagir IAS, Project Director, Kerala Sustainable Urban Development Project & Mission Director, AMRUT
5. Smt A Shalnamol IAS, Managing Director, Kerala Water Authority
6. Shri. P R Sajikumar, Chief Engineer, Local Self Government Department.
7. Shri. Shaji Joseph, Chief Town Planner (Planning)
8. Shri. T K Soman Additional Secretary, Finance Department
9. Shri L P Chither, Director (Drinking Water), Suchitwa Mission
10. Shri D Rajeesh Kumar , Finance Officer, Directorate of Urban Affairs

The meeting of the 8th State Level High Powered Steering Committee (SHPSC) of AMRUT chaired by Sri. S.M. Vijayanand IAS, Chief Secretary, Government of Kerala, commenced at 12.30 PM.

Agenda No.1

Approval of Minutes of the 7th meeting of SHPSC

Decision Taken

The Committee approved the minutes of 7th meeting of SHPSC held on 21st December 2016.

Agenda No. 2

Action Taken Report on the Decisions of the 7th meeting of SHPSC

Tripartite agreement to be signed among the Secretary -Mission City, MD - KWA and Mission Director-AMRUT.	The Chairman pointed that the Tripartite agreement is yet to be received at his
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Minutes of the 8th SHPSC - AMRUT

Office.

Decision Taken

The Chairman directed the MD, KWA to submit the tripartite agreement at the earliest.

Action by	Time Limit	Monitoring by
Smt A Shainamol IAS, Managing Director, Kerala Water Authority	25th January 2017	Smt. Tinku Biswal IAS, Secretary, Water Resources Department

Agenda No. 3**Approval of State Annual Action Plan 2017-18**

3.1. The SHPSC noted that the total Central Allocation to the State under AMRUT during the Mission period (2015-16 to 2019-20) is Rs.1161.20 Cr. The State and the Mission cities together have to put in a matching share. Hence the total outlay under AMRUT mission is Rs.2333.92 Cr over a period of 5 years. The Approved Central Allocation in 2017-18 is Rs 486.82 Cr and the proposed SAAP is for Rs 973.64 Cr

3.2. The Committee reviewed all the projects proposed by the Mission cities (Annexure-1 List of proposed projects) . The committee approved the projects proposed under the sectors namely Water Supply, Storm **water Drainage** , **Urban Transport**, Green Space and parks. Consolidation of SAAP document to be initiated at the **State Mission Directorate**.

Action by	Time Limit	Monitoring by
SMMU Team led by Smt. Bhagavathy Iyer, Team Leader(i/c) SMMU, AMRUT	16 th February 2017	Sri. P.S Mohammed Sagir, Mission Director, AMRUT

3.3 Under Sewerage sector, only the project of Supplying and erection of pumpsets , transformer and electrical accessories in the Edathara Pumping Station amounting to Rs 5 Cr of Thiruvananthapuram has been approved. The Committee decided that all remaining projects proposed under Sewerage/Septage management have to be discussed with mission cities in detail before finalization. A meeting of all concerned official of the mission cities to be convened to rework and finalise the projects.

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Action by	Time Limit	Monitoring by
Sri. P.S. Mohammed Sagir, Mission Director, AMRUT	10 th February 2017	Sri. T.K. Jose, Principal Secretary, LSGD

3.4 The Committee noted that the ULB share for the projects proposed under SAAP 2017-18 is around 194.06 Cr. In this context, the SHPSC decided to bring this matter to the notice of the Cabinet and to seek the State's support in financially assisting the Mission cities to meet the ULB share for the projects under Water Supply Sector. A joint meeting of the Ministers of LSGD, Water Resources Department and Finance to be convened to finalise the State assistance to Mission cities.

Action by	Time Limit	Monitoring by
Sri. T.K. Jose, Principal Secretary, LSGD	7 th February 2017	Sri. S.M.Vijayanand, Chief Secretary, GoK

Agenda No. 4**Appointment of Independent Monitoring & Review Agency (IRMA) for project under JNURM**

MOUD has sanctioned an amount of Rs 201.17 Cr to prepare projects for Water Supply under JnNURM in Corporation of Kochi. The final installment of Central share will be released only after submitting the report of IRMA. MoUD has suggested the State to appoint a Government/ Aided Engineering College as IRMA and submit the report to the MoUD.


Decision Taken

The Committee decided to seek willingness of College of Engineering, Trivandrum to act as IRMA for the water supply project in Kochi.

Action by	Time Limit	Monitoring by
Sri. P.S. Mohammed Sagir, Mission Director, AMRUT	7 th February 2017	Sri. T.K. Jose, Principal Secretary, LSGD

The meeting concluded at 2.00 pm.


1/2/2017


Chief Secretary &
Chairman SHPSC - AMRUT

Chief Secretary
Government of Kerala
Thiruvananthapuram.

Minutes of the 8th SHPSC - AMRLT**Annexure -1**

List of projects proposed in SAAP 2017-18

Sl No	Project	Cost in Cr	Total cost
1. THIRUVANANTHAPURAM			
A. WATER SUPPLY			
1	Installing Flow meters	10	25
2	Replacement of the old damaged pipe lines	10	
3	Extension of pipe line	5	
B. SEWERAGE			
1	Supplying and erection of pumpsets , transformer and electrical accessories in the Edathara Pumping Station	5	75.47
2	Construction of Pumping station at Akkulam(Block K)	4	
3	Supplying and laying 500mm DI K9 pumping main for a length of 3000m	4	
4	Supplying and laying Transmission main in Block K	4	
5	Supplying and erection of pumpsets , transformer and electrical accessories in the Akkulam Pumping Station	3	
6	Construction of Pumping station at Karimanal (Block J)	4	
7	Supplying and laying 400mm DI K9 pumping main for a length of 1300m	2.5	
8	Laying Transmission main and sewer networks in Block L	10	
9	Providing Sewer trunk from kazhakootam area to Pumping station of L Block through the bank of Thettiyyar Thodu	8	
10	Supplying and erection of pumpsets , transformer and electrical accessories in the Karimanal Pumping Station	4	
11	Providing mechanical Sludge drying unit at muttathara 107 Mid STP	5	
12	Providing new network in the missing areas of core city	10	
13	Rehabilitation of existing network	10	
14	Providing Sewerage facility in the Kalladimugham Housing Colony	1.97	

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C. STORM WATER DRAINAGE			
1	Providing new network in the water logged areas - The zones are Central zone - 20 wards, Coastal zone - 16 wards, North-East zone (Peroorkada area)- 9 wards, South-East zone (Pappanamcode area)- 12 wards, North-West zone (Kazhakoottam area)- 13 wards	23	24
2	Cleaning and removal of silt and debris from the existing drain	1	
D. URBAN TRANSPORT			
1	Foot over bridges	14	14
	a. Statue Junction		
	b. Technopark		
	c. Vazhuthacaud		
	d. Palayam - VJT hall		
2	Multi level parking		
	a: Chalai (behind of Putharikandam Maithanam and transport depot)		
	b. Palayam (behind of Corporation Main Office building)		
	Bicycle streets		
3	a. Chalai road (Killipalam to Gandhi park)- Vehicle free zone		
	b. RTO office to Ramachandra (Vehicle free zone)		
	c. North of Padmatheerdhakulam (Vehicle free zone)		
	d. Attinkuzhi to kazhakkootam		
	e. Technopark - Kariavattom campus- Ambalathinkara		
GREEN SPACE & PARKS			
	Development of existing 6 Parks in the Corporation area	3	3
	TOTAL		141.4 7
2. KOLLAM			
A. WATER SUPPLY			
1	Comprehensive WSS to Kollam Municipal Corporation Phase II Continuation	35	42.9
2	Providing new Water connections with metering system- Phase II	7.9	
B. SEWERAGE			
1	Sewer network- Replacement of damaged network and laying of balance network, Construction of Pumping Station at Sarpakuzhi sub Zone of A1 Part 1 Continuation	7	

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2	Planning, Design and Construction of Uliyakovil sub Zone in Zone A1 Part 2	24.39	31.39
C. STORM WATER DRAINAGE			
1	Construction of Drains at Various Municipal Corporation Roads/Locations-Phase III	15	15
	1. Vadakkevila-Eravipuram Area		
	2. Pullikkada Colony		
	3. SMP Colony		
	4. Mundakkal Area		
	5. Kavanad Area (Right side of NH 47 -Kollam to Ernakulam)		
	6. Koikkal-Ayathil Area		
D. URBAN TRANSPORT			
1	Construction of Multi Level Parking System near Railway Station -Stage II	7	13.29
2	Construction and Renovation of Foot Path and supporting structures - Phase III	6.29	
	1. Chinnakkada-Paikkada Road		
	2. Chinnakkada-Beach Road		
	3. Link Road		
	4. Chinnakkada-Kadappakkada		
	5. SBI Jn. To Railway cross Road(In front of YMCA)		
E. GREEN SPACE & PARKS			
1	Planting Lawns and afforestation at various locations in Kollam Corporation-Phase II	0.34	2.09
	1. Afforestation on the sides of NH 47 from Mevarom to SNC Jn		
2	Development of Existing Parks and Construction of New Parks - Phase II	1.75	
	1. Thirumullavaram-Ozhukkuthodu-Park		
	2. Vattakkayal-Park		
	3. Veliyilkulangara-Thanni Park		
	4. Kallumthazham Park		
	5. Amruthakulam Park		
	6. Theppilkadavu Park		
	7. Kilikolloor-Elavanthi Park		
	8. Chail Park		
	9. Kureepuzha Park		
	TOTAL		104.67
3. ALAPPUZHA			
A. WATER SUPPLY			

Monitor of the 8th SHPSC - AMRUT

1	Augmentation and modernization of water supply distribution system in Alappuzha Municipality (Phase-2)	58.13	58.13
B. SEWERAGE			
1	Decentralized treatment system for septage/sewage management.(Phase-2)	6	6
C. STORM WATER DRAINAGE			
1	Rejuvenation of main natural canals and connecting canal networks	25.97	25.97
D. URBAN TRANSPORT			
1	Construction & renovation of pedestrian friendly foot paths(as 2 nd phase) and providing modern bus shelters.	4.25	4.25
E. GREEN SPACE & PARKS			
1	Development of park on the bank of AS canal and jogging track along the canal banks	1.44	1.94
2	Development of park in Beach side.	0.5	
TOTAL			96.29
4. KOCHI			
A. WATER SUPPLY			
1	Construction Of New Over Head Reservoir Of Capacity 13L For Edakochi Zone And Interconnecting With Pumping Main And Distribution Net Work	10	53
2	Construction Of New Over Head Reservoir Of Capacity 35 L For Karuvelippady Zone	8	
3	Construction Of New Over Head Reservoir Of Capacity 40 L For Kaloor Zone And Inter Connecting With Pumping Main And Distribution Net Work	25	
4	Laying 400Mm Size Transmission Main From Perumanoor To Ravipuram	5	
5	Replacement Of Damaged Service Connections -5000 Nos	5	
B. SEWERAGE			
1	Decentralized sewerage system for Divisions 1 to 5	40	40
C. STORM WATER DRAINAGE			
1	Renovation Of Pandara Chal Canal-Second Phase	6.00	21.98
2	Renovation Of Rameswaram Canal	3.00	
3	Renovation Of Pashnichodu Canal-Second Reach	1.50	
4	Renovation Of Kalluchira Valiya Canal Div-19	0.50	
5	Renovation Of Kannachan Thodu And Drain Along Mathai Manjooran Road Div-6B	1.50	

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6	New Drain Along Kochakko Road Athiparambu Road And Masjid Road -Div- 45	0.50	
7	Renovation Of Binni Thodu Div-13	0.30	
8	Construction Of Drain Along Kaloor -Kathrikadavu Road (Old)	0.50	
9	Kumbalangi Kayal Side Protection	0.75	
10	Drain Near Thrithwam	1.00	
11	Construction Of Drain Along St. Vincent Road	1.00	
12	Desilting Managalavanam Thodu	1.25	
13	Renovation Of Karanakodam Thodu	2.00	
14	Side Protection Chambakkara Canal	2.18	
D. URBAN TRANSPORT			
1	Multilevel Carparking At Kacheripady	5.00	
2	Construction Of Footpath And Bus Bays Including Junction Development At Thoppumpady	2.00	
3	Construction Of Footpath And Bus Bays Including Junction Development At Elamkulam Junction	1.00	
4	Construction Of Footpath And Bus Bays Including Junction Development At Thevara Junction	1.50	13.93
5	Construction Of Footpath And Bus Bays Including Junction Development At Kaloor & Kathrikadavu Junction	3.00	
6	Construction Of Footpath And Bus Bays Including Junction Development At Pallathuraman Junction	1.43	
E. GREEN SPACE & PARKS			
1	Koithara Park Renovation	0.60	
2	Mythri Nagar Park	0.50	2.60
3	Kacheripady Park Renovation, Div-19	1.00	
4	P.J. Antony Park	0.50	
		TOTAL	129.30
5. THRISSUR			
A. WATER SUPPLY			64.3
1	New Treatment Plant of 20 MLD at Peechi	5.3	
2	Supply and laying of various Dia distribution lines for around 100 Km with pipe dia 160 mm PVC to 300 mm DI and Zoning and mapping of water supply system of Thrissur Corporation	17	
3	Laying of distribution lines from existing OHT at Kizhakumpattukara to Nellikunnu area for around 15 km with varying dia pipelines-(Dia 200 mm DI to 110 mm PVC	6	
4	Installation of generator at Peechi and dedicated power feeder line from Pattikkad to Peechi	3	

Minutes of the 8th SHPSC - AMRUT

5	Construction of 10LL OHSR at Anappara and 5LL sump at Cherur with pumping system and pumping main from Cherur to Anappara for 2 Km with 200 mm DI Pipe	10	
6	Anappara Villadom area distribution line for around 25KM with 200 mm DI to 110 mm PVC pipe	5	
7	Construction of 5LL OHSR at Kuttanelloor with pumping system at Kurkanchery and pumping main for 4KM with 200 mm DI and 5KM distribution line	8	
8	Floating intake structure at Peechi Reservoir	5	
9	Water mangement system for Thrissur Corporation water section	5	
B. SEWERAGE			
1	Construction of waste water treatment plant Phase- II	23.6	23.6
X. STORM WATER DRAINAGE			
1	Cover slabs for minor drains in corporation area	15.78	15.78
A. URBAN TRANSPORT			
1	Renovation of foot paths in corporation area	3	
2	Foot over bridge in Shaktan Nagar (2nos), North Bus Stand, M.O Road, Koorkencherry	2	5
E. GREEN SPACE AND PARKS			
1	Rejuvenation of nehru Park, Division No.36,Thekkinkadu	1	
2	Rejuvenation of Kottappuram Padanodyanakendram (Achutha Menon park),Division No.52,Kanattukara	0.5	
3	Development of living harmony & green belt at Panamkuttichira pakalveedu park and pond	0.72	2.22
			110.9
			0
6. GURUVAYUR			
00 WATER SUPPLY			
1	Construction of 10LL OHSR and Pumping Main to Guruvayur including distribution network(continuation project), Location: OHSR at Pookkode, pumping main and distribution at Municipal area.	19.68	
2	Improvement of water supply system for Guruvayur. (continuation project), Location: Source at Karuvannur river, Transmission line from Karuvannur to Pookkode and WTP at Pookkode.	51.18	80.86
3	Rejuvenation of Ponds at Various Locations in Guruvayur municipality	10	
00 SEWERAGE & SEPTAGE			
Nil			
00 STORM WATER DRAINAGE			

Minutes of the 8th SHPSC - AMRUT

1	Construction of new drains in the water logged areas of Guruvayur municipality.	0.64	0.64
00 URBAN TRANSPORT			
1	Construction of a Five Storied Multi level parking plaza (340 cars, 40 buses and 240 two wheelers) Location: Andra parking ground in Guruvayur town.	6.0	6.0
00 GREEN SPACES & PARKS			
1	Development of play ground at chavakkad high school ground with Sitting gallery in ward no.14 of Guruvayur municipality. Location: Chavakkad High School ground in Muthuvattur, Guruvayur	1.78	1.78
TOTAL			89.23
7. PALAKKAD			
A. WATER SUPPLY			
1	Replacement of raw water and clear water pump set, transformers and electrification	4	
2	Constuction of OHSR 2 Nos , total 76.5LL capacity	14	
3	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) -15 Km	15	
4	Providing 160mm PVC - 30 Km for taking Water Service Connection (Both sides of road) and changing of connections	5.88	
5	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) - 13 Km	13	
	Providing 160mm PVC - 38 Km for taking Water Service Connection (Both sides of road)	5.4	
	Replacement of Existing AC pipe lines to DI/PVC pipe lines 150/200/250mm DI-K9 - 6 km	3.3	
	Providing water connections to all to eliminate public taps & to reduce NRW: 9000 Nos	6.75	67.33
B. SEWERAGE & SEPTAGE			
	Nil		
C. STORM WATER DRAINAGE			
	Rejuvenation of Primary & Secondary Drains		17.62
1	Mattumantha Palayam - Chulliyodu	1.00	
2	Manalai- Ramanadhapuram- Aanachira	1.00	
3	Sekharipuram- Sankhuvamedu	0.75	
4	Murukani School Thodu	0.20	
5	Stadium bypass- Sreekrishna Temple- Vaaliparambu	0.50	
6	Palayapetta- Stadium Bypass	0.30	
7	Yakkara- Murikkav- AKG Nagar	0.30	

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8	Chirakkad- Gopal colony	0.20	
9	Kalmandapam- Chittoor Road	1.50	
10	Chirakkad- Aiswarya Nagar	0.50	
11	Puthupalli theruv- Slaughter House- Mythri Nagar	0.50	
12	Victoria College- Vidyut Nagar- Indrani Nagar Thodu	0.50	
13	Sulthanpetta- Kalmandapam- NH Road Drain Desilting and rejuvenation	0.50	
14	Mythri Nagar- Haritha Nagar- KSRTC Link Road	0.25	
15	Around District Hospital	0.35	
16	Green Garden- Othungodu- Kallikkad	0.45	
17	Mercy College- Thirunellayi	1.50	
18	Vennakkara- Thirunellayi	1.25	
19	Puthur Temple- Kallepully junction	1.00	
20	Municipal Busstand to Vettilakulam	0.30	
21	Housing Board Colony- Mathrubhumi	0.50	
22	Tharekkad junction - Koppam	0.40	
23	Chakkanthara- Kalkuthparambu- Venkiteshwaragarden- Sreenivasa Garden	1.00	
24	Head Post office to Ramanadhapuram via Koppam	1.25	
25	Selvi Nagar - Ram Nagar	0.30	
26	Melamuri- Kalambuzha- Karukoodi	0.75	
27	Vadakkanthara- Vailiyakulam- Pranamkulam- Indrani Nagar	0.57	
D. URBAN TRANSPORT			
1	GB Road Escalator	2	
2	Pattikkara bypass Parking	0.5	
3	Parking in front of Chinmay Mission	0.5	
4	Mission School - Sakunthala junction foot path	1	
5	Olayakkode junction to Railway Station footpath	1	7.98
6	Robinson Road-Footpath	1	
7	Menon Colony Road Footpath	0.48	
8	Bus waiting Sheds	1	
9	Signages in the city area	0.5	
E. GREEN SPACES & PARKS			
Development of parks			
1	Yakkara Riverside open Park & pedel boating	0.41	
2	Salamath nagar	0.35	
3	Jaladha Nagar	0.25	1.91
4	Rose Garden	0.25	
5	Vandana Layout	0.2	
6	Gandhi Nagar- Chakkanthara	0.2	
7	Venkiteshwara Garden	0.25	
		TOTAL	94.83

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8. KOZHIKODE			
A. WATER SUPPLY			
1	Integrated Calicut WSP phase 2 -Laying distribution Lines in 10 zones		
	1. Malaparamba zone - part 1		
	2. Malaparamba zone - part 2		
	3. Eravathukunnu north and south zone		
	4. East hill zone	46.55	46.55
	5. Balamandiram and Pottammal zone		
	6. Kovoov zone part 1		
	7. Kovoov zone part 2		
	8. Elathur zone		
	9. Cheruvannur Nallalam zone		
	10. Beypur zone		
B. SEWERAGE & SEPTAGE			
1	Construction of sewerage system in zone A- part B- phase 2	34.06	34.06
C. STORM WATER DRAINAGE			
1	Construction of storm water drain at 5 locations		
	1. Palayam Samuthiri cross road to E K Canal		
	2. North of Azhakodi Temple - EK canal		
	3. People Road- Karaparamba HSS-E K canal	19.3	19.3
	4. YMRC Road - Millathu colony		
	5. Nadanchery Ayyankar Road - Kallayi River		
D. URBAN TRANSPORT			
1	Foot over bridge with escalators near new busstand	11.35	11.35
E. GREEN SPACES & PARKS			
1	Renovation of 6 existing parks		
	1. S K Pottakkadu Park, Puthiyara		
	2. Thadambattuthazham park		
	3. Garudankulam park	2.27	2.27
	4. Malaparamba park		
	5. Gotheeswaram park, Beypur		
	6. Cheruvannur children's Park		
		TOTAL	113.53
9. KANNUR			
A. WATER SUPPLY			
1	Increasing the capacity of Raw water Pump sets at Intake and Booster station including electrical	1.50	38.27

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	installations		
2	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges (PWD/NH/Corporation)	20	
3	Laying new distribution line 385km and providing new service connection	16.77	
B. SEWERAGE & SEPTAGE			
1	Providing decentralised sewerage network with STP in old kannur municipal area.	28.00	28.00
C. STORM WATER DRAINAGE			
1	Construction and rejuvenation of primary drains & secondary drains		
	1.Thottadathodu and connecting drains		
	2.Varam, varam vayal, Katampallipuzha and connecting drain	15.87	15.87
	3. sea shore structures as per the requirement at Payyambalam, Aayikkara, Mukkadav, Kadallai areas for eliminating sand deposits		
D. URBAN TRANSPORT			
1	Multi Level Car parking complex at Stadium premises	9.34	9.34
E. GREEN SPACES & PARKS			
	Development of new park at Payyambalam near cremation centre.	0.3	
1	Renovation of Chelera park near trenching ground	0.87	
2	Renovation of Kappad Shisumandiram park	0.4	1.87
3	Renovation of Anakulam park	0.3	
		TOTAL	93.37



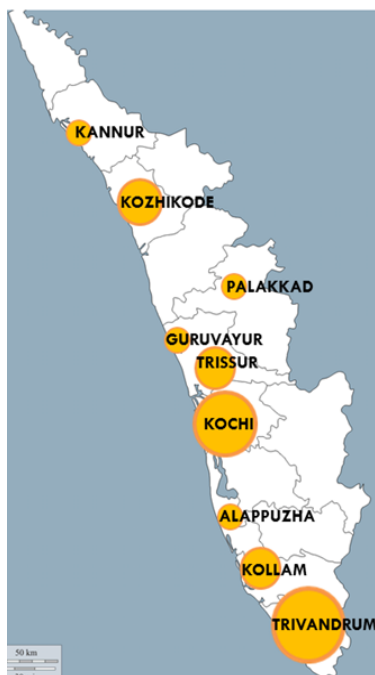
CHAPTER-1



**PROJECT
BACKGROUND
AND SUMMARY**

CHAPTER 1: PROJECT BACKGROUND AND SUMMARY

Nine cities have been identified from the State of Kerala for funding under AMRUT . The Mission cities include 6 Municipal Corporations and 3 Municipalities targeting a population of around 34.71 lakhs (22% of the total urban population) for direct benefits.



S N	City Name	Population (persons)	Area (Sq.Km)	Density Persons/ sqkm
1	Trivandrum	957730	214.86	4457
2	Kollam	349033	57.31	6090
3	Alappuzha	176164	46.77	3767
4	Kochi	596473	94.88	6287
5	Trissur	315596	101.42	3112
6	Guruvayur	105012	29.66	3541
7	Palakkad	131019	26.6	4926
8	Kozhikode	608255	118.58	5129
9	Kannur	232486	78.35	2967
10	TOTAL	34,71,768	768.43	

The population of the city in the State of Kerala by census years.

Sl.No	ULB	1991	2001	2011
1	Trivandrum	524,006	788,139	788,271
2	Kollam	221,007	380,091	367,107
3	Kochi	564,589	625,522	633,553
4	Kozhikode	419,831	543,807	550,440
5	Alappuzha	174,666	239,384	240,991
6	Palakkad	123,289	130,767	130,955
7	Guruvayur	20,216	21,186	20,510
8	Thrissur	81,798	317,526	315,957
9	Kannur	65,238	63,797	56,823

AMRUT in Kerala

AMRUT aims at ensuring basic infrastructure services such as water supply, sewerage, storm water drains, transport and development of green spaces and parks with special provision for meeting the needs of children. The total Central Allocation to Kerala under AMRUT is Rs 1161.20 cr. In line with the mission guideline, the Service Level Improvement Plans were prepared by all the mission cities.

City wise distribution of Service Levels

Name of the City	Water Supply			Sewerage				Drainage	Urban Transport		Open spaces
	Household coverage	Quantum of water supply	Water quality	Latrine coverage	Sewer network	Collection efficiency	Treatment efficiency	Network coverage	Service coverage	Availability / 1000 persons	Open space/ person)
Trivandrum	83	99	95	99	37	58	58	60	1.1	0.61	0.54
Kollam	39	51	95	97	0	0	0	25	1.76	2.06	5.19
Alappuzha	61	50	66	99	0	0	0	10	2.21	1.26	3
Kochi	85	145	100	95	3	3	4	43	1.8	0.42	10.9
Thrissur	60	93	80	95	0	0	0	6	5	4	14.9
Guruvayur	40	50	90	99	0	0	0	15	2	4	14.9
Palakkad	62	88	100	95	0	0	0	61	3.26	5.26	3.4
Kozhikode	44	100	100	97	0	0	0	50	1	2	12
Kannur	43	90	100	98	0	0	0	15	3	4	0.6
STATE AVERAGE	57.4	85.11	91.8	97.1	4.4	6.8	6.9	31.7	2.4	2.6	7.3

As the mission aims at universal coverage of drinking water supply and sewerage/septage management, the State also has primary focus on water supply and sewerage projects. During 2015-16, an amount of Rs 287.98 Cr was allotted as CA to the State and the SAAP for Rs 587.99 Cr was approved. During 2016-17, an amount of Rs. 386.40 Cr. was allotted as Central Assistance to the state and the SAAP for Rs. 796.06 Cr. was approved.

Institutional Mechanism at State and ULB Levels

No.	Description	Status	Remarks
1	SHPSC	In place	Chief Secretary as the Chairman
2	SLTC	In place	Principal Secretary , LSGD as the Chairman
3	Mission Director – cum-Nodal Officer	In place	Senior IAS Officer
4	SMMU	In place	6 Sectoral Experts
5	CMMU	In place	Two members in each mission cities.
6	PDMC	Not in place	Unbundled the functions of PDMC and the State has taken care of its services directly through the ULB/State agencies.
7	IRMA	Not in Place	Under process with MoHUA
8	DLAMC	Not in place	Process initiated

Fund allocation to the State of Kerala

Mission Period Rs in Cr		2015-16		2016-17		2017-18	
ACA	SAAP	ACA	SAAP	ACA	SAAP	ACA	SAAP
1161.20	2357.69	287.98	587.99	386.40	796.06	486.82	973.64

All 9 mission cities prepared SLIP for 5 sectors and SLIPs were aggregated into the SAAP 2015-16 and the SAAP was approved for an amount of Rs 587.99 Cr on 26th November 2015. The State has received 20% of the SAAP amount as advance ie. Rs 57.60 Cr. Mission cities have prepared and submitted DPRs for 20 projects worth Rs 34.39 Cr in the FY 2015-16. The SAAP 2016-17 was approved in the Apex Committee meeting held on 9th September 2016 for an amount of Rs. 796.06 Cr. and the 20% advance of the approved SAAP, ie. 77.28 Cr. has been transferred from MoHUA to State.

Tables 1.1, 1.2.2, 1.3, 1.4, 3.2 and 3.4 included in Chapter 4

CHAPTER-2

**Review of State
Annual Action
Plan (SAAP) For FY
2015-16 & 2016-**

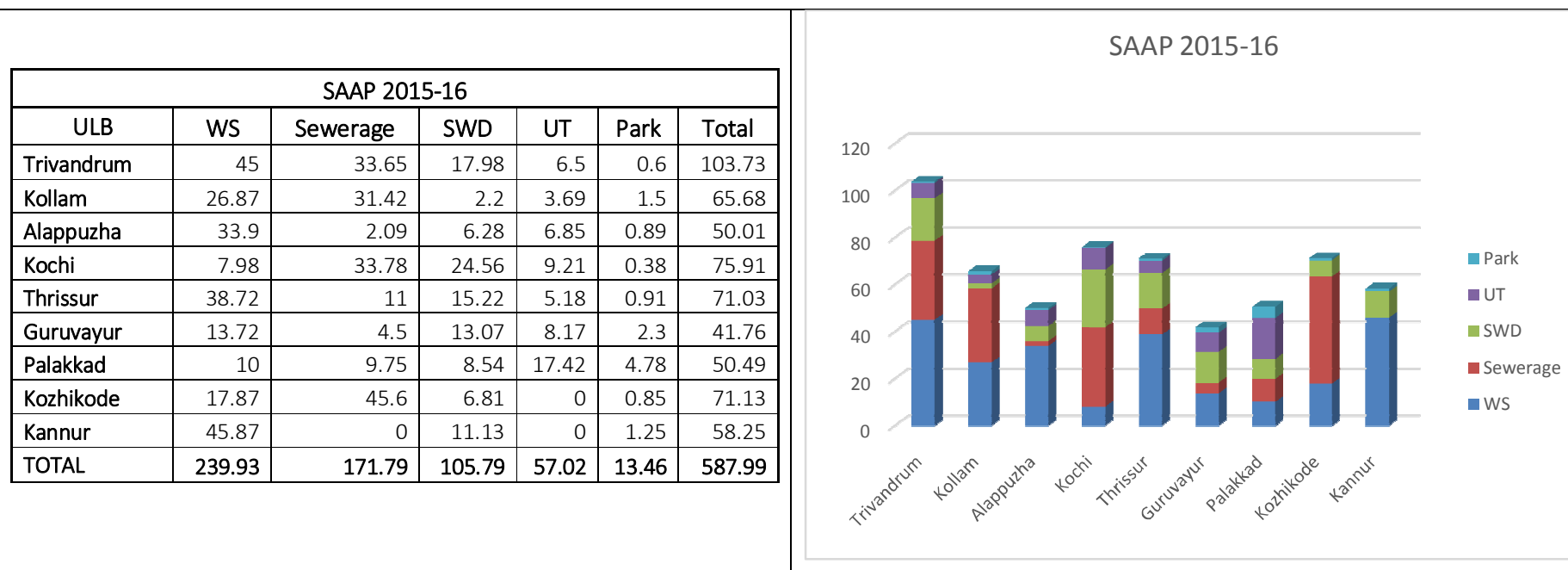
CHAPTER 2: REVIEW OF SAAPS

The state is required to prepare SAAP every year and get it approved by the Apex Committee. Before preparing the current year's SAAP, a key requirement is to review the performance of the approved SAAP of the previous years. This chapter reviews the performance of the implementation of the past SAAPs on key themes in the AMRUT Guidelines.

Project Progress

In this section the physical and financial progress is reviewed.

Summary of SAAP 2015-16



SAAP 2015-16

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Work Awarded Cost (Rs. in Cr)
Water Supply	Thiruvananthapuram	45.00	Y	Y	N		25.0	**11.20	
	Kollam	26.87	Y	Y	*		7.40	1.99	*6.59
	Alappuzha	33.9	Y	Y	N		2.30	**0.79	
	Kochi	7.98	Y	Y	Y		21.2	1.69	8.18
	Thrissur	38.72	Y	Y	Y*		13.4	5.17	*20.36
	Guruvayur	13.72	Y	Y	Y				13.72
	Palakkad	10	Y	Y	Y		0.16	1.60	9.94
	Kozhikode	17.87	Y	Y	Y*		16.0	2.86	*11.07
Kannur	45.82	Y	Y	Y		9.60	4.41	47.45	

** Advance paid

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Work Awarded Cost (Rs. in Cr)
Sewerage	Thiruvananthapuram	33.65	Y	Y	Y*		5.14	1.73	*3.72
	Kollam	31.42	Y	Y	N				
	Alappuzha	2.09	Y	Y	N				
	Kochi	33.78	Y	Y	N				
	Thrissur	11.00	Y	Y	N				
	Guruvayur	4.5	N	N	N				
	Palakkad	9.75	Y	Y	N				
	Kozhikode	45.6	Y	Y	N				
Kannur	0	N	N	N					

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Work Awarded Cost (Rs. in Cr)
Storm Water Drainage	Thiruvananthapuram	17.98	Y	Y	Y*		0.38	0.07	*16.69
	Kollam	2.20	Y	Y	Y*		3.60	0.08	*0.50
	Alappuzha	6.28	N	N	N				
	Kochi	24.56	Y	Y	Y*		2.40	0.60	*3.98
	Thrissur	15.22	Y	Y	N				
	Guruvayur	13.07	Y	Y	N				
	Palakkad	8.54	Y	Y	N				
	Kozhikode	6.81	Y	Y	N				
Kannur	11.13	Y	Y	N					

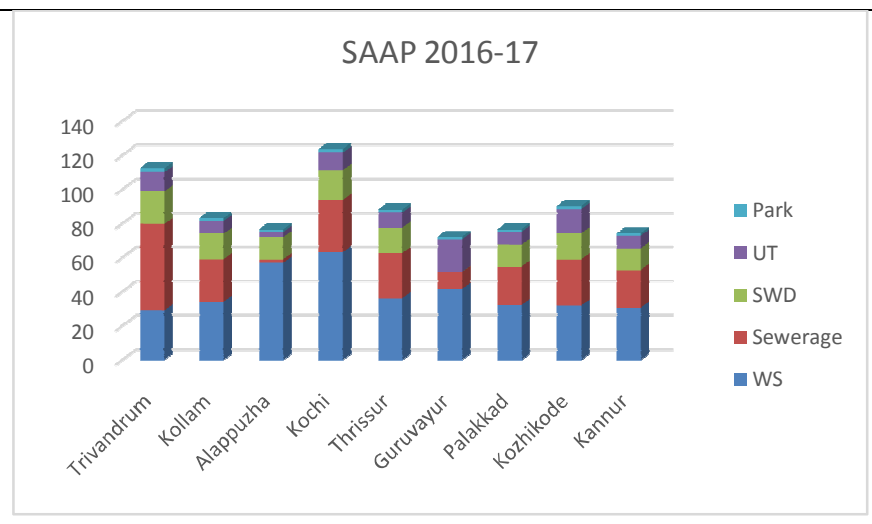
Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Work Awarded Cost (Rs. in Cr)
Urban Transport	Thiruvananthapuram	6.5	Y	Y	Y*				*0.09
	Kollam	3.69	Y	Y	Y*				*0.40
	Alappuzha	6.85	Y	Y	N				
	Kochi	9.21	Y	Y	Y*		6.40	0.59	*7.40
	Thrissur	5.18	Y	Y	N				
	Guruvayur	8.17	Y	Y	N				
	Palakkad	17.42	Y	Y	N				
	Kozhikode	0							
Kannur	0								

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Work Awarded Cost (Rs. in Cr)
Open Space and Parks	Thiruvananthapuram	0.60	Y	Y	Y*				*0.3
	Kollam	1.5	Y	Y	Y*			0.05	*0.3
	Alappuzha	0.89	Y	Y	N				
	Kochi	0.38	Y	Y	Y			0.06	0.3
	Thrissur	0.91	Y	Y	N				
	Guruvayur	2.3	Y	Y	N				
	Palakkad	4.78	Y	Y	Y*			0.22	2.0
	Kozhikode	0.85	Y	Y	N				
	Kannur	1.25	Y	Y	N				

SAAP 2016-17

Summary of SAAP 2016-17

SAAP 2016-17						
ULB	WS	Sewerage	SWD	UT	Park	Total
Trivandrum	29.04	50.69	19.09	11.23	2.25	112.3
Kollam	34.07	24.93	15.00	7.44	1.66	83.1
Alappuzha	56.87	2	13	3	1.53	76.4
Kochi	63.04	30.78	17.44	10.26	2.05	123.57
Thrissur	36.08	26.4	14.96	8.8	1.76	88
Guruvayur	41.50	10	0.14	19	1.42	72.06
Palakkad	32	22.59	12.80	7.53	1.51	76.43
Kozhikode	31.83	27.03	15.32	14.12	1.8	90.1
Kannur	30.38	22.23	12.60	7.41	1.48	74.1
TOTAL	354.81	216.65	120.35	88.79	15.46	796.06



Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Remarks
Water Supply	Thiruvananthapuram	29.04	Y	Y	N				
	Kollam	34.07	Y	Y	N				
	Alappuzha	56.87	Y	Y	N				
	Kochi	63.04	Y	Y	Y*			4.10	
	Thrissur	36.08	Y	Y	Y*				
	Guruvayur	41.50	Y	Y	N				
	Palakkad	32.00	Y	Y	Y*				
	Kozhikode	31.83	Y	Y	N				
	Kannur	30.38	Y	Y	Y*				

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Remarks
Sewerage	Thiruvananthapuram	50.69	Y	Y	N				
	Kollam	24.93	Y*	Y	N				1 DPR
	Alappuzha	2.00	Y*	Y	N				1 DPR
	Kochi	30.78	Y	Y	N				
	Thrissur	26.4	Y	Y	N				
	Guruvayur	10.00	N*	N	N				Project Cancelled & Fund transferred to WS
	Palakkad	22.59	Y	Y	N				
	Kozhikode	27.03	Y	Y	N				
	Kannur	22.23	Y	Y	N				

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Remarks
Storm Water Drainage	Thiruvananthapuram	19.09	Y	Y	N				
	Kollam	15.00	Y	Y	N				
	Alappuzha	13.00	Y	Y	N				
	Kochi	17.44	Y	Y	N				
	Thrissur	14.96	Y	Y	N				
	Guruvayur	0.14	Y	Y	N				
	Palakkad	12.80	Y	Y	N				
	Kozhikode	15.32	Y	Y	N				
Kannur	12.60	Y	Y	N					

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Remarks
Urban Transport	Thiruvananthapuram	11.23	Y	Y	N				
	Kollam	7.44	Y	Y	N				
	Alappuzha	3.00	Y	Y	N				
	Kochi	10.26	Y	Y	N				
	Thrissur	8.8	Y	Y	N				
	Guruvayur	19.00	Y	Y	N				
	Palakkad	7.53	Y	Y	N				
	Kozhikode	14.12	Y	Y	N				
Kannur	7.41	Y	Y	N					

Sector	City Name	Project Cost (Cr)	DPR prepared (Y/N)	SLTC sanction (Y/N)	Work Order (Y/N)	Physical Progress in %	Financial Progress %	Amount Disbursed till date (Rs. in Cr)	Remarks
Open Space and Parks	Thiruvananthapuram	2.25	Y	Y	N				
	Kollam	1.66	Y	Y	N				
	Alappuzha	1.53	Y	Y	N				
	Kochi	2.05	Y	Y	N				
	Thrissur	1.76	Y	Y	N				
	Guruvayur	1.42	Y	Y	N				
	Palakkad	1.51	Y	Y	N				
	Kozhikode	1.8	Y	Y	N				
	Kannur	1.48	Y	Y	N				

- Have DPRs been prepared for all projects approved earlier? If not then which are the projects for which DPR is pending and why? (500 words)

DPRs have been prepared for 218 out of 222 (98%) projects approved in SAAP 15-16 & 16-17

Status summary	
DPRs prepared and accorded AS	218
DPRs prepared and awaiting AS	0
DPRs to be prepared	4
Total DPRs	222

DPRs that have been accorded AS by SHPSC : 218 Nos (98%)

Sector	Water Supply	Sewage and Septage	Storm water drainage	Urban Transport	Green Spaces & Parks	Total
No. of projects	57	26	57	39	39	218

No. of DPRs currently awaiting Administrative and Technical Sanction: 4 Nos

DPRs awaiting AS						
Sector	Water Supply	Sewage and Septage	Storm water drainage	Urban Transport	Green Spaces & Parks	Total
No. of projects	0	2	0	1	1	4

- **What is the plan of action for the pending DPRs? (300 words)**

The pending DPRs very minimal, i.e only 19 out of 379 and preparation of these DPRs is currently under progress.

- **How many SLTC meetings had been held in the State? How many DPRs have been approved by the SLTC till date? (250 words)**

17 (Seventeen) SLTC meeting were held till date i.e., 360 out of 379 DPRs have been approved by the SLTC till date.

- **By when will the pending DPRs be approved by the SLTC and when will implementation start? (250 words)**

All pending DPRs are expected to be approved before the end of April 2018. Out of 360 DPRs, 123 have been accorded Technical Sanction. Tendering is in progress for 85 projects, 42 projects have been work awarded and its implementation are in progress.

- **Based on the identification of delayed projects and the reasons for slow physical progress, what is the plan of action to speed-up the projects? (300 words)**

- Delays inflicted only in Technical Sanction, which have been taken care by ULB/KWA. 123 projects have been given technical sanction till date and the TS for the remaining projects will be completed by April 2018.
- Tendering, Awarding and Implementation process are also been fast tracked along with the issuance of TS.
- AMRUT scheme in Kerala is back on track after the preliminary impediments. The scheme is being closely monitored by the Chief Secretary and the Additional Chief Secretary(LSGD) on regular basis to ensure that all the projects are implemented in a time bound manner well within the mission period.

- **How much amount has been utilized and what is the percentage share of the funding agencies? Are there any deviations from the approved funding pattern approved by the Apex Committee?**

An amount of 33.11 Cr. (as on 31.01.2018) has been utilized from the Central and State Share (50:30) excluding ULB share. There are no deviations from approved funding pattern.

- **List out the projects where release of funds to ULBs by the State was delayed?**

None.					
<ul style="list-style-type: none"> In how many ULBs implementation was done by agencies other than ULBs? Was a resolution taken from all ULBs? (tabular and 200 words) 					
<p>In 9 ULBs, implementation was done by Kerala Water Authority for Water Supply projects. KWA is also entrusted with sewerage projects in 3 ULBs. Yes. Council Resolution has been obtained in all ULBs and tripartite agreement made with the ULB, KWA and Mission Directorate.</p>					
<ul style="list-style-type: none"> List out the projects where the assessed value approved by the Apex Committee was greater than the tendered value and there was a saving? Was this addressed by the HPSC in the present SAAP? 					
None.					
<ul style="list-style-type: none"> List out the number of city-wise projects where the second and third installments were claimed. (Tabular form). 					
None.					
<ul style="list-style-type: none"> List out the city-wise completed projects. Was the targeted benchmark achieved? Explain the reasons for non-achievement (tabular form and 400 words) 					
Sr. No.	City	Title	Sector	Project Cost (In Rs. Cr.)	Project Completion Status
1	Kollam	Uliyakovil-Ashtamudi Phase 1	Drainage	0.41	100%
2	Kollam	Improvement of Parks-phase 1(TK Divakaran Park and Nehru Park)	Others (Parks)	0.24	100%
3	Thiruvananthapuram	Construction of Drain with covering slab in Swathi Nagar Lane in Fort ward	Drainage	0.28	100%

4	Thiruvananthapuram	Construction of Drain with covering slab in Nalumukku-Chambakada Road in Sreekanteswaram ward	Drainage	0.19	100%
5	Thiruvananthapuram	Construction of Drain with covering slab in Aalukadu-Moonattumukku Road in Manikyavilakom ward	Drainage	0.16	100%
6	Thiruvananthapuram	Construction of Drain with covering slab in Asaan Nagar Road in Muttathara ward	Drainage	0.09	100%
7	Thiruvananthapuram	Construction of Drain with covering slab at V K K Nagar Road in Perunthanni ward	Drainage	0.26	100%
8	Thiruvananthapuram	Improvements of Ganapathi kovil road in Vazhuthacaud ward - Pedestrian Walkway (Footpath)	Urban Transport	0.09	100%
9	Thiruvananthapuram	Construction and beautification of Thechanvila Park - Punnakkamugal ward	Others(Parks)	0.23	100%

The Targeted Bench Mark was achieved in the above completed projects

- List out and describe any out-of-the-box initiatives/Smart Solutions/resilience used/incorporated in the projects under implementation. What is the nature of the innovation in the projects? (tabular; 300 words)**

Projects under Parks and Open Spaces Sector have been incorporated with Butterfly Parks, Nutrition Parks, Conservation of flora and fauna, Rain Garden, Climate Mitigation Garden, Rejuvenation of Bio-swale, Agro park initiatives,

Sturdy Play equipments, Open Library, Gender Neutral Toilets, Seed and Sapling banks etc.

Projects under Sewerage Sector have been incorporated with modern treatment technology such as FABR, Enzymatic Remediation, Electro Kinetic Impact Depolarization Methods.

GIS based smart metering system, Rejuvenation of water bodies and ponds, Online water quality monitoring system etc. are being adopted in Water Supply Projects.

Automated puzzle model multi level parking technologies have been adopted with Urban Transport projects

Service Levels

The focus of AMRUT is to achieve service level benchmarks, such as universal coverage in water supply, sewer connections, and so on. In the approved SAAPs, the States/ULBs have targeted the benchmark of universal coverage. The SAAP has to review the progress towards targets set by the States/ULBs to move towards achievement of universal coverage, etc. Please complete the following table and respond to the questions based on the table.

Sector: Water supply						
Name of City	Service Level Benchmark		SAAP Baseline (as in 2015)	SAAP Mission Target	For the last Financial Year	
					Target upto beginning of current FY	Achievement upto beginning of current FY
Thiruvananthapuram	Coverage	100%	83%	100 %	No Change	No Change
	Quantum of water supplied	135lpcd	99lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	95%	100 %	No Change	No Change
Kollam	Coverage	100%	38%	100 %	No Change	No Change
	Quantum of water supplied	135lpcd	51lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	95%	100%	No Change	No Change
Alappuzha	Coverage	100%	61	100%	No Change	No Change
	Quantum of water supplied	135lpcd	50	135lpcd	No Change	No Change
	Quality of water supplied	100%	66	100%	No Change	No Change
Kochi	Coverage	100%	90 %	100 %	No Change	No Change
	Quantum of water supplied	135lpcd	165 lpcd	135 lpcd	No Change	No Change

	Quality of water supplied	100%	100%	100%	No Change	No Change
Thrissur	Coverage	100%	60.48%	100 %	No Change	No Change
	Quantum of water	135lpcd	93lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	80%	100%	No Change	No Change
Guruvayur	Coverage	100%	16%	100 %	No Change	No Change
	Quantum of water	135lpcd	36lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	90%	100%	No Change	No Change
Palakkad	Coverage	100%	62%	100 %	No Change	No Change
	Quantum of water	135lpcd	88 lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	100%	100%	No Change	No Change
Kozhikode	Coverage	100%	44%	100 %	No Change	No Change
	Quantum of water	135lpcd	100 lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	100%	100%	No Change	No Change
Kannur	Coverage	100%	43%	100 %	No Change	No Change
	Quantum of water	135lpcd	90lpcd	135 lpcd	No Change	No Change
	Quality of water supplied	100%	100%	100%	No Change	No Change
Sector : Sewerage and Septage Management						
Thiruvananthapuram	Coverage of sewerage network services	100%	37%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	58%	100%	No Change	No Change
	Efficiency in treatment	100%	58%	100%	No Change	No Change
Kollam	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Alappuzha	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Kochi	Coverage of sewerage network services	100%	3%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	3%	100%	No Change	No Change
	Efficiency in treatment	100%	4.08%	100%	No Change	No Change
Thrissur	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Guruvayur	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Palakkad	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Kozhikode	Coverage of sewerage network services	100%	0%	100%	No Change	No Change

	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Kannur	Coverage of sewerage network services	100%	0%	100%	No Change	No Change
	Efficiency of collection of sewerage	100%	0%	100%	No Change	No Change
	Efficiency in treatment	100%	0%	100%	No Change	No Change
Sector : Storm water drainage						
Thiruvananthapuram	Coverage of storm water drainage network	100%	60%	100%	No Change	No Change
Kollam	Coverage of storm water drainage network	100%	25%	35%	No Change	No Change
Alappuzha	Coverage of storm water drainage network	100%	10%	90%	No Change	No Change
Kochi	Coverage of storm water drainage network	100%	43%	90%	No Change	No Change
Thrissur	Coverage of storm water drainage network	100%	6%	90%	No Change	No Change
Guruvayur	Coverage of storm water drainage network	100%	15%	62%	No Change	No Change
Palakkad	Coverage of storm water drainage network	100%	61%	70%	No Change	No Change
Kozhikode	Coverage of storm water drainage network	100%	50%	50%	No Change	No Change
Kannur	Coverage of storm water drainage network	100%	15%	33%	No Change	No Change
Sector : Urban Transport						
Thiruvananthapuram	Service coverage of urban transport in the		1.1		No Change	No Change
	Availability of urban trans - port per 1000		0.61			
Kollam	Service coverage of urban transport in the		1.76		No Change	No Change
	Availability of urban trans - port per 1000		2.06			
Alappuzha	Service coverage of urban transport in the		2.21		No Change	No Change
	Availability of urban trans - port per 1000		1.26			
Kochi	Service coverage of urban transport in the		1.83		No Change	No Change
	Availability of urban trans - port per 1000		0.42			
Thrissur	Service coverage of urban transport in the		5		No Change	No Change
	Availability of urban trans - port per 1000		4			
Guruvayur	Service coverage of urban transport in the		2		No Change	No Change
	Availability of urban trans - port per 1000		4			
Palakkad	Service coverage of urban transport in the		3.26		No Change	No Change
	Availability of urban trans - port per 1000		5.2			
Kozhikode	Service coverage of urban transport in the		1		No Change	No Change
	Availability of urban trans - port per 1000		2			

Kannur	Service coverage of urban transport in the		3		No Change	No Change
	Availability of urban trans - port per 1000		4			
**The indicators are meant for motorized transportation whereas mission cities had proposed foot paths, foot over bridges,						
Sector : Green space and parks						
Thiruvananthapuram	Per person availability of open spaces	10-12 sq.m	1.00		No Change	No Change
Kollam	Per person availability of open spaces	10-12 sq.m	4.81		No Change	No Change
Alappuzha	Per person availability of open spaces	10-12 sq.m	3.00		No Change	No Change
Kochi	Per person availability of open spaces	10-12 sq.m	10.60		No Change	No Change
Thrissur	Per person availability of open spaces	10-12 sq.m	14.89		No Change	No Change
Guruvayur	Per person availability of open spaces	10-12 sq.m	15.40		No Change	No Change
Palakkad	Per person availability of open spaces	10-12 sq.m	3.43		No Change	No Change
Kozhikode	Per person availability of open spaces	10-12 sq.m	12.0		No Change	No Change
Kannur	Per person availability of open spaces	10-12 sq.m	3.29		No Change	No Change

- In how many projects, city-wise, have targets not been achieved? What is the Plan for Action to achieve the targets? (tabular form; 500 words)

All cities will be starting implementation in the coming months. The plan of action to achieve the targets is as below.

- Strengthening of staffs in implementation agencies ie. ULB/KWA are in progress.
- Support from project implementation consultant/third party monitoring agency is under consideration.
- Regular monitoring and review mechanism by the City Mission Management Unit Team/State Mission Management Unit Team.
- Regular meetings of SHPSC and SLTC in state level for resolving bottle necks and policy decisions.
- Regular meetings of City level Core Committee at ULB level exclusively for monitoring and implementing AMRUT Project are in progress.

Capacity Building

There are two types of capacity building – individual and institutional. The Apex Committee had approved the annual capacity building plan and the SAAP of the current year has to review the progress of the capacity plan. Please fill out following table and answer the questions.

SAAP 2015-16

Sno	Name of ULB	Name of Department	Total number to be trained in Mission period	Target to be trained during the previous Financial Year	Number fully trained during the previous Financial Year	Name training institute
				2015-16	2015-16	
1.	Thiruvananthapuram, Kollam, Alappuzha, Kochi, Thrissur, Guruvayur, Palakkad, Kozhikode, Kannur	Elected Representatives	534	120	178	CED
2.		Finance and Revenue	300	90	—	CED
3.		Administration	321	90	—	CED
4.		Engineering and Public Health	263	90	—	IIHS
5.		Town Planning	620	120	—	IIHS
6.		Line Department	200	60	—	IIHS

SAAP 2016-17

Sno	Name of ULB	Name of Department	Total number to be trained in Mission period	Target to be trained during the previous Financial Year	Number fully trained during the previous Financial Year	Name training institute
				2016-17	2016-17	
1.	Thiruvananthapuram, Kollam, Alappuzha, Kochi, Thrissur, Guruvayur, Palakkad, Kozhikode, Kannur	Elected Representatives	534	120	141	IMG
2.		Finance and Revenue	300	90	83	CED
3.		Administration	321	90	93	CED
4.		Engineering and Public Health	263	90	219	IIHS
5.		Town Planning	620	120	376	IIHS
6.		Line Department	200	60	—	IIHS

- In how many departments was training completed as approved in the SAAP of the last Financial Year? In how many departments was training partially done and in how many departments training not done at all? Please give reasons

MoU was signed with three training entities –Centre for Environment and Development (CED), Trivandrum, Indian Institute for Human settlements(IIHS), Bangalore and Institute for Management in Governance, Thiruvananthapuram.

The Memorandum of Understanding (MoU) date ended on 28th Feb 2017 for CED and on 2nd March 2017 for IIHS. Signed MoU with IMG, renewed the MoU of IIHS and CED. As approved in SAAP of the last Financial year, training is to be conducted for the elected representatives and the functionaries of the ULBs from four departments, namely Administration, Revenue & Finance, Engineering & Public health and Town planning . Later an OM from MoHUA dated 12th may 2016 issued the operational guidelines for the roll out of Individual capacity building programme which indicated functionaries from the parastatal agencies involved in the implementation of the Urban Missions in the cities are also to be included in the trainings.

In December 2017, an OM from MoHUA is issued for rolling out an integrated Capacity Building for all the Urban Missions in the state with participating departments and para-statal agencies associated with AMRUT, Smart City, PMAY, NULM and SBM The plan preparation has been initiated for this.

However, training has been rolled out for individual Capacity Building as specified in approved SAAP of the last financial year. The training for 178 Elected Representatives were completed in 2015-16 and 141 Elected Representatives and 771 officials were completed in 2016-17 and 244 officials were completed till date and the total is 1334. The orientation capsule for the functionaries of ULBs from the 4 departments and Parastatal agencies (KWA & TCP) was also completed as per the target. Table above gives the details of the staff trained.

- List out the training institutes that could not complete training of targeted functionaries. What were the reasons and how will this be avoided in future?

CED has completed the training for 179 elected representatives during Jan 2016 as MoU was signed with this Institute, in the format developed by the State. Kerala was the first State to initiate trainings. It was only after this that MoHUA issued the format for MoU to be signed by State and the Training Entities. So the MoU in the Ministry's Format was signed with CED and IIHS during March 2016 after which the orientation capsule for the targeted number of functionaries was completed during the period June- August 2016. After the orientation training of officials by CED, capsule 1 and 2 are pending due to some technical issues and that has been rectified through discussion with training institutes and strategic decisions were taken to avoid the delay.

- What is the status of utilization of funds?

An amount of Rs. 18,81,057/- was utilized for individual capacity building trainings from the State A&OE funds.

- Have the participants visited best practice sites? Give details

7 batches of officials (255 Nos) from Engineering & public health and town planning visited the STP plant, Devanhalli, Bangalore as the best practice site as part of custom capsule 1.

3 batches of officials (87 Nos.) from the administrative department visited the site - STP plant at Muttathara.

27 Elected Representative have attended 5 days exposure visits at Bhuvanewar and Cuttack and witnessed best practicing innovations in the cities.

- Have the participants attended any national/international workshops, as per guideline (Annexure 7)?

Plan for organizing national/international workshops is in progress

- What is the plan of action for the pending activities, if any?

The State/ Regional level workshops will be conducted as specified in the State Training Plan, which already forwarded to MoHUA. Exposure visits have already been initiated and the first batch is completed. Subsequent batches are being planned in coordination with ULBs.

Reforms

According to Guideline 4.3, incentives of previous year will be given at the start of succeeding year, for which States are required to do a self-assessment, on receipt of which incentives will be awarded. A key requirement to claim incentives is to achieve at least 70 % Reforms for that year. Some of the criteria to be considered while doing the assessment are as follows:

Reforms of previous year:-

S.No	Type	Milestones	Implementation timeline	Present Status
1	E-Governance	Coverage with E-MAAS (from the date of hosting the software)		
		Registration of Birth, Death and Marriage,	24 months	Achieved
		Water & Sewerage Charges	24 months	Achieved
		Grievance Redressal	24 months	Achieved
		Property Tax	24 months	Achieved
		Advertisement tax	24 months	Initiated
		Issuance of Licenses	24 months	Achieved
		Building Permissions	24 months	Achieved
		Mutations	24 months	Achieved
		Payroll	24 months	Achieved
		Pension & e-procurement	24 months	Achieved
2	Constitution and professionalization of municipal cadre	Establishment of municipal cadre.	24 months	Achieved
		Cadre linked training.	24 months	Achieved
3	Augmenting double entry accounting	Appointment of internal auditor.	24 months	Achieved

4	Urban Planning and City Development Plans	Make a State level policy to implement the parameters given in National Mission for Sustainable Habitat.	24 months	Achieved
5	Devolution of funds and functions	Implementation of SFC recommendations within timeline.	24 months	Achieved
6	Review of Building bye-laws	State to formulate a policy and action plan for having a solar roof top in all buildings having an area greater than 500 square meters and all public buildings.	24 months	Ongoing
		State to formulate a policy and action plan for having Rain Water Harvesting structures in all commercial, public buildings and new buildings on plots of 300 sq. meters and above.	24 months	Achieved
7	Set-up financial intermediary at state level	Establish and operationalize financial intermediary- pool finance, access external funds, float municipal bonds.	24 months	Achieved
8	Credit Rating	Complete the credit ratings of the ULBs	24 months	Achieved
9	Energy and water audit	Give incentives for green buildings (e.g. rebate in property tax or charges connected to building permission/development charges)	24 months	Ongoing

<ul style="list-style-type: none"> • Have the Reform formats prescribed by the TCPO furnished?
<p>Yes, the reforms document in the prescribed format was prepared for the year 2015-2016 & 2016-2017 and submitted along with supporting documents.</p>
<ul style="list-style-type: none"> • Did the State as a whole complete 70 percent of Reforms? If, yes was the incentive claimed?
<p>Yes, the State as a whole has completed 70 percent of the reforms. Incentive amounts claimed for years 2015-16 and 2016-17.</p>
<ul style="list-style-type: none"> • What was the amount of incentive claimed? How was it distributed among the ULBs and what was it used for?
<p>Kerala has claimed reform incentives for the year 2015-2016 and 2016-2017. An amount of Rs.15cr received for the year 2015-2016 and distributed to the mission cities based on their performance in achieving the reform milestone(40%), population(30%) and project allocation(30%) after retaining Rs.3 Cr at the state for the state level innovative projects. The reform incentive has been utilized for improving the service delivery of mission cities.</p> <p>Received an incentive amount of Rs.16.68 for reform milestone of 2016-2017. The SHPSC on 17.7.2017 has decided that the criteria to distribute the incentive to the mission cities for the year 2016-2017 should include Performance 60% weightage and 40% in implementing projects under AMRUT during 2016-2017.</p>
<ul style="list-style-type: none"> • What is the status of Reforms to be completed in the Mission period? Has advance action been taken and a Plan of Action prepared?
<p>Out of 11 reforms, 28 milestones were completed in year 2015-16, 13 milestones were completed in 2016-17. Out of 10 milestones in the year 2017-18, 9 milestones have been achieved. For the Milestones in the year 2018-19, plans have been initiated and are in progress.</p>

- Give any instances of innovation in Reform implementation.

- E-Governance - Information Kerala Mission (IKM) has developed 18 softwares to support e-governance not just in AMRUT cities but in all 93 Urban Local Bodies. Integration of these softwares at state level is in progress.
- An integrated online building plan approval system at state level has been initiated in all 93 ULBs including all 9 AMRUT Cities incorporating various external agencies such as railway, airport, fire, defence etc.
- Park projects have been taken up in every mission city equipped with child friendly, disabled friendly, transgender friendly etc. enhancing the city's lungs space and green cover and providing ample amenities for recreations.

Use of A&OE

- What are the items for which the A&OE has been used?

A&OE funds has been used for

- Preparation of SLIP & SAAP
- Preparation of DPR
- Capacity Building activities
- Reform implementation,
- Establishment cost of State MMU and City MMU
- Supporting cost including local travel and stationery.

<ul style="list-style-type: none"> Are the items similar to the approved items in SAAP or there is any deviation? If yes, list the items with reasons 			
Yes, the items are similar to the approved items in SAAP and there is no deviation.			
<ul style="list-style-type: none"> What is the utilization status of funds? 			
	#	Details	Amount
		Expenditure as on 31.01.2018	6,05,61,708.00
<ul style="list-style-type: none"> Has the IRMA been appointed? What was the procedure followed? 			
The procedure for appointment of IRMA is currently in progress			
<ul style="list-style-type: none"> If not appointed, give reason for delay and the likely date of appointment 			
List of empanelled agencies for IRMA is awaited from MoHUA.			
<ul style="list-style-type: none"> Have you taken up activities connected to E-Municipality as a Service (E-MAAS)? Please give details. 			
All e-governance services targeted under reforms, are achieved in the State.			
<ul style="list-style-type: none"> Have you displayed the logo and tagline of AMRUT prominently on all projects? Please give list. 			
<p>Yes, the logo of AMRUT has been displayed prominently in all possible places viz. in banners during meetings and project launch / inauguration, training kit and material during capacity building sessions, etc</p> <p>Also instructions have been given to all Mission Cities to display the logo in all projects sites.</p>			
<ul style="list-style-type: none"> Have you utilised the funds on any of the inadmissible components (para 4.4)? If yes, give list and reasons. 			
None			

Funds flow

One reason for project delay has been delayed release of funds. In the following table indicate the status of funds release and resource mobilization.

<ul style="list-style-type: none"> In how many projects, city-wise, has the full funds been sanctioned and disbursed?
100% funds have not been disbursed for any of the projects, as the completed projects are still under final handing over.
<ul style="list-style-type: none"> Identify projects where delay in funds release led to delay in project implementation?
None.
<ul style="list-style-type: none"> Give instances of doing more with less during implementation.
Not Applicable

Funds disbursements and Conditions

- How many project fund request has been made to the GoI? (250 words)**

The state has received the first installment of Rs 57.6 Cr (20%) of SAAP I and Rs. 77.28 Cr. (20%) of SAAP II. No further fund request has been made to the GoI.

- How many installments the GoI has released?**

GoI has released two first installments each in SAAP I & II (20%)

- Is there any observation from the GoI regarding the claims made?**

Low utilization of fund observed by GoI

- List out the conditions imposed by the Apex Committee, State HPSC and the SLTC. Have all the conditions been complied with? If, no identify the conditions not complied with and give reasons for non-**

compliance.

With reference to the OM No. K-16015/22/2017 / AMRUT-II from MoUD dated 25.9.2017 for the necessary documents for the approval of SAAP III project list amounting to Rs. 973.64 Cr, the following conditions as are imposed by the Apex Committee against which the state achievements are indicated:-

1. Projects amounting to atleast 50% of SAAP I and SAAP II to have DPRs approved.

95 % of DPRs for the Mission period (SAAP I, II and III) amounting to Rs.2029 Cr has been prepared and accorded Administrative Sanction

2. **100% fund transfer of Central fund and matching state share of SAAP I and II**

Central funds along with the matching state share has already been fully transferred to Directorate.

SAAP	CA released to State (20%)	State share due (30%)	Fund released to Mission Directorate (Central +State)	Dates of release(s)
2015-16	57.60	34.560	92.160	26.07.2016 , 27.3.2017, 7.7.2017
2016-17	77.28	46.368	123.648	
Total	134.88	80.928	215.808	

3. PDMC to be in place

State decided not to have a single agency as PDMC. All activities assigned to PDMC has been unbundled and distributed among the ULBs and parastatal agencies like KWA and LSGD Engineering Wing

4. Credit rating of all mission cities

Credit rating of all nine mission cities of Kerala has been completed.

Sl.No.	Name of the ULB	Rating assigned	Rating Agency
1	Trivandrum	BWR BBB	M/s Brickwork Rating India Pvt Ltd
2	Kollam	BWR BB+	
3	Kochi	BWR BBB	
4	Thrissur	BWR BB	
5	Kozhikode	BWR BB+	
6	Kannur	Ir BB+	M/s ICRA Limited

7	Alappuzha	Ir BB	
8	Guruvayoor	Ir BB-	
9	Palakkad	Ir B+	

5. Projects amounting to atleast 25% of SAAP I to be contracted –

This is the last milestone which has been achieved by the State.

Approved amount of SAAP I – Rs. 587.99 Cr

25% of SAAP I required to be work awarded - Rs. 147 Cr

Projects awarded as on 17.02.18 - Rs. 151.73 Cr (26%)

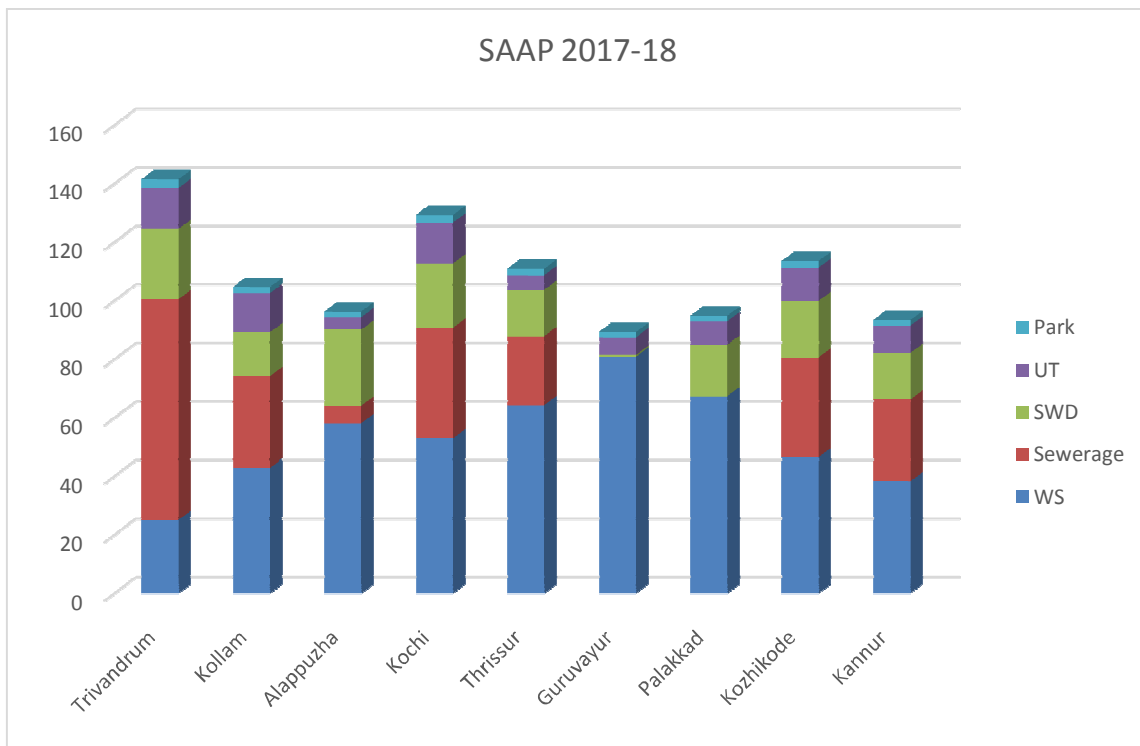
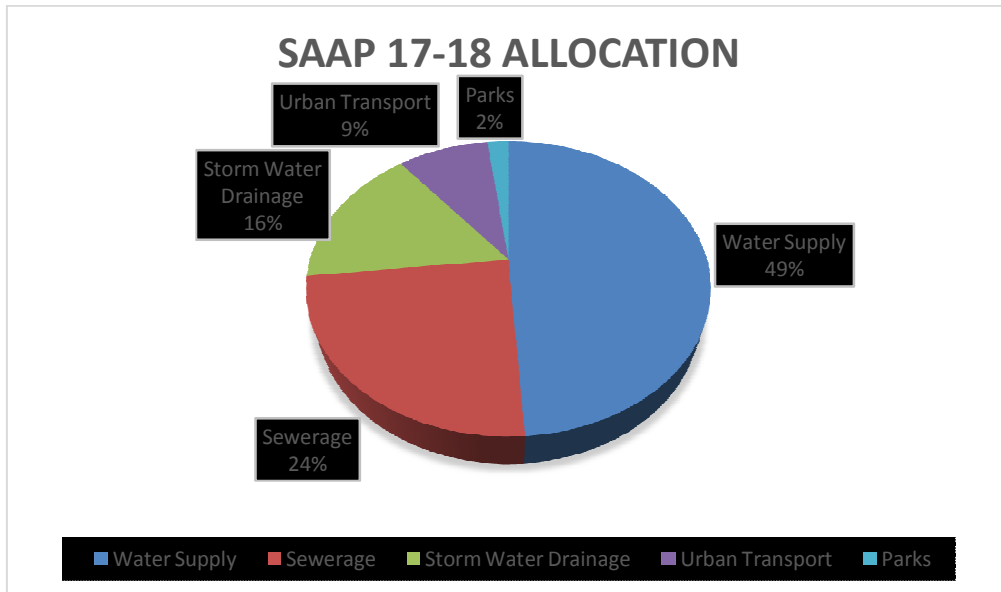
Now that all the precedent conditions, for the formal approval of SAAP III and release of first installment of SAAP III, has been fulfilled by the State.

CHAPTER-3

**State Annual
Action Plan
(SAAP) For FY
2017-2020**

CHAPTER 3: STATE ANNUAL ACTION PLAN (SAAP)

The SAAPs are aggregated from the SLIPs. Please fill out the Master Plan of projects (Table 3.1; pg.43) and the state level plan for achieving service levels (Table 3.5; pg.46 of AMRUT Guidelines).



Also, in the table below please give the details of the projects sector wise that are being posed for approval to the Apex Committee.

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completion
Thiruvananthapuram	Water Supply	Installing Flow meters	5	3	2	10	NRW	35%	33%
		Replacement of the old damaged pipe lines	5	3	2	10	NRW	35%	33%
							Quality	92%	95%
	Extension of pipe line	2.5	1.5	1	5	Coverage	78%	79%	
	Sewerage and Septage Management	Supplying and erection of pumpsets , transformer and electrical accessories in the Edathara Pumping Station	2.5	1.5	1	5	Collection efficiency	41%	42%
		Construction of Pumping station at Akkulam(Block K)	2	1.2	0.8	4	Collection efficiency	41%	42%
		Supplying and laying 500mm DI K9 pumping main for a length of 3000m	2	1.2	0.8	4	Collection efficiency	41%	42%
		Supplying and laying Transmission main in Block K	2	1.2	0.8	4	Coverage	37%	38%
		Supplying and erection of pumpsets , transformer and electrical accessories in the Akkulam Pumping Station	1.5	0.9	0.6	3	Collection efficiency	41%	42%
		Construction of Pumping station at Karimanal (Block J)	2	1.2	0.8	4	Collection efficiency	41%	44%
		Supplying and laying 400mm DI K9 pumping main for a length of 1300m	1.25	0.75	0.5	2.5	Collection efficiency	41%	44%
		Laying Transmission main and sewer networks in Block L	5	3	2	10	Coverage	37%	39%
	Providing Sewer trunk from kazhakootam area to Pumping station of L Block through the bank of ThettiyarThodu	4	2.4	1.6	8	Coverage	37%	39%	

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Supplying and erection of pumpsets , transformer and electrical accessories in the Karimanal Pumping Station	2	1.2	0.8	4	Collection efficiency	41%	44%
		Providing mechanical Sludge drying unit at muttathara 107 Mld STP	2.5	1.5	1	5			
		Providing new network in the missing areas of core city	5	3	2	10	Coverage	37%	40%
		Rehabilitation of existing network	5	3	2	10			
		Providing sewerage facility in kalladimukkam housing colony	0.985	0.591	0.394	1.97	Coverage	37%	40%
	Storm Water	Providing new network in the water logged areas - The zones are Central zone - 20 wards, Coastal zone - 16 wards, North-East zone (Peroorkada area)- 9 wards, South-East zone (Pappanamcode area)- 12 wards, North-West zone (Kazhakoottam area)- 13 wards	11.5	6.9	4.6	23	Coverage	60%	80%
		Cleaning and removal of silt and debris from the existing drain	0.5	0.3	0.2	1	Incidence of Water logging	70%	80%
	Urban Transport	Foot over Bridges, Multilevel Parking , Bicycle track	7	4.2	2.8	14	NMT Parking	LOS 4 LOS4	LOS 3 LOS 3
	Others	Development of existing 6 Parks in the Corporation area	1.5	0.9	0.6	3			
Kollam	Water Supply	Comprehensive WSS to Kollam Municipal Corporation Phase 2 Continuation	17.5	10.5	7	35	Coverge Per capita Water supply Extend of metering	40% 65 LPCD 78%	100% 135 LPCD 100%

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Providing new water connections with metring system -Phase 2	3.95	2.37	1.58	7.9	NRW	30%	20%
							Cost Recovery	83%	100%
							Efficiency in collection	67%	90%
	Sewerage and Septage Management	Sewer network -Replcement of damaged network and Laying of balance network construction of pumping station at Sarpakuzhi Sub Zone of A1 part 1 Continuation	3.5	2.1	1.4	7	Coverage	0%	23%
	Plannaing Design and Construction of Uliyakovil Sub Zone A1 Part 2	12.195	7.317	4.878	24.39	Efficiency in treatment	0%	100%	
	Storm Water	Construction of Drains at various Municipal Corporation Roads /Location -Phase-111 (Vadekkevila -Eravipuram Area, Pullikkada Colony, SMP Colony,Mundakkal Area,Kavanad Area (Right side of NH47- Kollam to Ernakulam	7.5	4.5	3	15	Coverage	25%	35%
	Urban Transport	Constructitation of Multi Level Parking System near Railway Station -Stage -11	3.5	2.1	1.4	7	LOS (parking)	4	3
		Construction and Renovation of foot path and supporting structures - phase 111	3.145	1.887	1.258	6.29	LOS (pedestrianisatin)	4	3
	Others	Planting Lawns and afforestation at varios locations in kollam corporation -phase 11	0.17	0.102	0.068	0.34			

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completion
		Development of Existing Park and Costruction of New Park - Phase I (Thirumullavaram - Ozhukkuthode – Park, Vattakkayal, Velikulangara = Thanni, Kallumthazham, Amruthakulam, Thoppilkadavu, Kilikolloor – Elavanthi, Chalil,	0.875	0.525	0.35	1.75			
Alappuzha	Water Supply	2nd Phase Augmentation and modernization of water supply distribution system in Alappuzha Municipality	29.065	17.439	11.626	58.13	Quantity	50 LPCD	135 LPCD (40%) of population
							Quality	66%	100%
							Continuity	6*7	24*7
							Coverage	61%	72.8%
	Sewerage and Septage Management	Decentralised treatment system for septage /sewraige treatment in Alappuzha Municipality	3	1.8	1.2	6	Treatment efficiency	0%	100%
	Storm Water	Increas in coverage of storm water drainage net work by strengthening the main natural cannals and connecting	12.985	7.791	5.194	25.97	Coverage	24%	36%
	Urban Transport	Construction & renovation of pedestrian friendly foot path and providing modern bus shelters	2.125	1.275	0.85	4.25	LOS pedestrianisation	4	4
	Others	Deveopment of park on the bank of AS cannal and jogging track along the cannal banks	0.72	0.432	0.288	1.44	Per person open space	3	3.6
		Development of park in Beach side	0.25	0.15	0.1	0.5	Per person open space	3	3.6

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
Kochi	Water Supply	Construction of new over head RESERVOIR of Capacity 13 Lakh for Edakochi zone and interconnecting with pumping main and distribution network	5	3	2	10	Coverage	85%	90%
		Construction of new over head RESERVOIR of Capacity 35 Lakh for Karuvelppady zone	4	2.4	1.6	8	Coverage	85%	90%
		Construction of new over head Reservoir of capacity 40 Lakh for kallor zone and interconnecting with pumping main and distribution network	12.5	7.5	5	25	Coverage	85%	90%
		Laying 400mm size transmission main from Permannon to Ravipuram	2.5	1.5	1	5	Coverage	85%	90%
		Replacement of damaged service connections -5000 No	2.505	1.503	1.002	5.01	NRW	46.7%	30%
	Sewerage and Septage Management	Implementation of decentralized sewerage system for division No.1 to 5 of Kochi Corporation					Coverage	3%	15%
			18.895	11.337	7.558	37.69	Efficiency in	3%	15%
							Treatment efficiency	4.5%	100%
	Storm Water	Renovation of PandaraChal Canal - Second Phase	3	1.8	1.2	6	Coverage Incidence of water loggi	51%	57%
		Renovation of rameswaram Canal	1.5	0.9	0.6	3		82%	48%
		Renovation of PashnithoduCannal -S econd Reach	0.75	0.45	0.3	1.5			
		Renovation of KalluchiraValia Canal Div.- 19	0.25	0.15	0.1	0.5			

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Renovation of Kaananchanthodu and Drain along MathaiManjooran Road -Div-45	0.75	0.45	0.3	1.5			
		New Drain along kochakko Road Athiparambu Road and Masjid	0.25	0.15	0.1	0.5			
		Renovation of BinniThodu Div-13	0.15	0.09	0.06	0.3			
		Construction of kalloor - Karhrikadavu Road (old)	0.25	0.15	0.1	0.5			
		KumbalangiKayal Side Protection	0.375	0.225	0.15	0.75			
		Drain near Thrithwam	0.5	0.3	0.2	1			
		Construction of Drain along st.Vincent Road	0.5	0.3	0.2	1			
		DesiltingMangalamthodu	0.625	0.375	0.25	1.25			
		Renovation of Karanakodamthodu	1	0.6	0.4	2			
		Side Protection chambakkara Canal	1.09	0.654	0.436	2.18			
	Urban Transport	Multi LevelCarparking at Kacheripady	2.5	1.5	1	5			
		Construction of footpath and bus bays including jn.development at Thoppumpady	1	0.6	0.4	2	LOS Footpath	3	2
		Construction of footpath and bus bays including jn.development at Elamkulamjn.	0.5	0.3	0.2	1	LOS Footpath	3	2
		Construction of footpath and bus bays including jn. development at thevara jn.	0.75	0.45	0.3	1.5	LOS Footpath	3	2

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Construction of development and bus bays including jn.development at kalloor&Karthrikadavjn	1.5	0.9	0.6	3	LOS Footpath	3	2
	Others	Koithara park Renovation	0.3	0.18	0.12	0.6	Open space sqm	10.6	10.6
		Mythri Nagar park	0.25	0.15	0.1	0.5	10.6	10.6	
		Kachripady park Renovation Div.-19	0.5	0.3	0.2	1	10.6	10.6	
		P.J.Antony Park	0.245	0.147	0.098	0.49	10.6	10.6	
Thrissur	Water Supply	New Treatment plant of 20MLD at peechi	2.65	1.59	1.06	5.3	Quantity	92.77 LPCd	135 LPCD
		Supply and Laying of various lines Dia distribution lines for around 100km with pipe dia 160mm PVC TO 300MM DI and zoning and Mapping of water supply system of ThrissurCporation	8.5	5.1	3.4	17	NRW	30%	25%
		Laying distribution lines from existing OHT at kizhumpattukkara to Nelikunnu area for around 15km with varyingdia pipe lines (Dia -200mmDI to 110mmPVC	3	1.8	1.2	6	Coverage	60	75%
		Installation of generator at peechi and dedicated power feeder line from pattikkad to peechi	1.5	0.9	0.6	3			
		Construction of 10LL OHSR at Anappara and 5LL Sump at cherur with pumping system and pumping main from cherur to Anappara for 2Km with 200mm Dipipe	5	3	2	10		92.77	110 LPCD

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		AnapparaVilladom area distribution line for around 25km with 200mm DI to 110mmPVC pipe	2.5	1.5	1	5	NRW	30%	25%
		Construction of 5LL OSHR at kuttanelloor with pumping system at kurkanchery and pumping main for 4KM with 200mm DI and 5Km distribution line	4	2.4	1.6	8	Quantity	92.77 LPCd	135 LPCD
		Floating Intake Structure at peechi Reservoir	2.5	1.5	1	5			
		Water Management System for Thrissur Corporation	2.5	1.5	1	5			
	Sewerage and Septage	Construction of waste water Treatment Plant Phase 2	11.8	7.08	4.72	23.6	Treatment Capacity	0	90%
	Storm Water	Covering of minor drains	7.89	4.734	3.156	15.78			
	Urban Transport	Renovation of foot path	1.5	0.9	0.6	3			
		Foot over bridges	1	0.6	0.4	2			
	Others	Rejuvenation of Nehru Park Division No.36 Thekkinkadu	0.5	0.3	0.2	1	Sq meter/person	14.89	14.89
		Rejuvenation of kottapurampadanodyanakend ram/Achuthamanon	0.25	0.15	0.1	0.5	Sq meter/person	14.89	14.89

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Development of Living harmony green belt at panamkuttichirapakalveedu park and pond	0.36	0.216	0.144	0.72	Sq meter/ person	14.89	14.89
Guruvayur	Water Supply	Constrcuion of 10LL OHSR and pumping main to guruvayur including distribution net work (continuation project)	9.84	5.904	3.936	19.68	Coverage	15.5%	90%
		Improvement of water supply system for guruvayur (continuation project)	25.59	15.354	10.236	51.18	Per capita supply of water supply	36 LPCD	150 LPCD
		Rejuvenation of ponds at various Locations in guruvayur municipality	5	3	2	10			
	Sewerage and Septage	Nil	Nil			Nil			
	Storm Water	Construction of new drains in the water logged areas of guruvayur municipality	0.32	0.192	0.128	0.64	Coverage	15%	16%
	Urban Transport	Construction of five storied multi level parking plaza at guruvayur for parking of various vechicles (continuation)	3	1.8	1.2	6	LOS Parking	4	3
	Others	Development of play ground at chavakad high school ground with silting gallery in ward no.14 of guruvayur	0.89	0.534	0.356	1.78	Per person open space	15.4	15.4
Palakkad	Water Supply	Replacement of raw water and clear water pump set ,transformers and electrification	2	1.2	0.8	4	Quantity	88	150

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Construction of OHSR 2N0s ,total 76.5LLcapacity	7	4.2	2.8	14	Coverage	62	100
		Providing Rider main pipe lines for proper zoning (500/45/350mmDI(from 3 zonalOHSR) -15 km	7.5	4.5	3	15	NRW	30	10
		Providing 160mm PVC - 30km for taking water service connection (both sides of road)and changing of connection	2.94	1.764	1.176	5.88	Coverage	62	100
		Providing Rider main pipes for proper zoning (500/450/350mm DI(from zonal OHSR) 13km	6.5	3.9	2.6	13	Coverage	62	100
		Providing 160mm PVC -38 km for taking water service connection (both sides of road)	2.7	1.62	1.08	5.4	Coverage	62	100
		Replacement of existing AC pipe lines to DI/PVC pipe lines 150/200/250mm Di-K9-6 km	1.65	0.99	0.66	3.3			
		Providing water connections to all to eliminate public taps to reduce NRW 9000Nos	3.375	2.025	1.35	6.75			
	Sewerage and Septage Management	Nil	Nil	Nil	Nil	Nil			
	Storm Water	Rejuvenation of Primary and Secondary Drains					Network Coverage	61%	65%
		Mattumanthapalayam - Chulliyodu	0.5	0.3	0.2	1			
		Manalai -Ramanadhapuram - A anachira	0.5	0.3	0.2	1			

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Sekharipuram - Sankhuvamedu	0.375	0.0225	0.15	0.75			
		Murukani School Thodu	0.1	0.06	0.4	0.2			
		Stadium bypass - Sreekrishna Temple -Valliparambu	0.25	0.15	0.1	0.5			
		Palaapetta -Stadium bypass	0.15	0.09	0.06	0.3			
		Yakkara - Murikkav -AKG Nagar	0.15	0.09	0.06	0.3			
		Chirakkad -Gopalcoloney	0.1	0.06	0.04	0.2			
		Kalmandapam - Chittor Road	0.75	0.45	0.3	1.5			
		Chirakkad - Aiswariya Nagar	0.25	0.15	0.1	0.5			
		Puthupallitheruv -Slaughter house - Mythri Nagar	0.25	0.15	0.1	0.5			
		Victoria colleage -Vidyut Nagar -Indrani Nagar Thodu	0.25	0.15	0.1	0.5			
		Sulthanpettah -Kalmandapam -NH Road Drain Sesilting and Rejuvenation	0.25	0.15	0.1	0.5			
		Mythri Nagar - Haritha Nagar -KSRTC Link road	0.125	0.075	0.05	0.25			
		Around District Hospital	0.175	0.105	0.07	0.35			
		Green Garden - Othungodu - Kallikad	0.225	0.135	0.09	0.45			
		Mercy college - Thirunellayi	0.75	0.45	0.3	1.5			
		Vennakkara - Thirunellayi	0.62	0.372	0.248	1.24			
		Puthur Temple - Kallepully junction	0.5	0.3	0.2	1			
		Municipal bus stand to Vettilakulam	0.15	0.09	0.06	0.3			
		Housing board colony - Marthrubhumi	0.25	0.15	0.1	0.5			

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Tharekkad junction - Kopaam	0.2	0.12	0.08	0.4			
		Chakkanthra - Kaikuthparambu -	0.5	0.3	0.2	1			
		Head post office to Ramanathapuram via	0.625	0.375	0.25	1.25			
		Selvi Nagar -Ram Nagar	0.15	0.09	0.06	0.3			
		Melamuri -Kalambuzha - Karukodi	0.375	0.225	0.15	0.75			
		Vadakkanthara -Valiyakulam -Pranamkulam- Indrani Nagar	0.285	0.171	0.114	0.57			
	Urban Transp ort	GB Road Escalator	1	0.6	0.4	2			
		Pattikkara bypass Parking	0.25	0.15	0.1	0.5	Parking	4	3
		Foot path Around District Hospital	0.25	0.15	0.1	0.5	Coverage of foot path	4	3
		Mission School - Sakunthala junction foot path	0.5	0.3	0.2	1	Coverage of foot path	4	3
		Olavakkode junction to Railway Station foot path	0.5	0.3	0.2	1	Coverage of foot path	4	3
		Robinson Road Foot Path	0.5	0.3	0.2	1	Coverage of foot path	4	3
		Menon Colony Road Foot Path	0.24	0.144	0.096	0.48	Coverage of foot path	4	3
		Bus Waiting Sheds	0.5	0.3	0.2	1			
		Sinage	0.25	0.15	0.1	0.5	LOS information	4	2
	Others	Yakkara River side open space &pedel boating	0.205	0.123	0.082	0.41	Per person open space	3.43	3.43
		Salamath Nagar	0.175	0.105	0.07	0.35	Per person open space	3.43	3.43
		Jaladha Nagar	0.125	0.075	0.05	0.25	Per person open space	3.43	3.43
		Rose Garden	0.125	0.075	0.05	0.25	Per person open space	3.43	3.43
		Vandhana Lay out	0.1	0.06	0.04	0.2	Per person open space	3.43	3.43

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completion
		Gandhi Nagar - Chakkanthara	0.1	0.06	0.04	0.2	Per person open space	3.43	3.43
		Venkiteshara Garden	0.125	0.075	0.05	0.25	Per person open space	3.43	3.43
Kozhikode	Water Supply	Integrated Calicut WSP phase -2 Laying distribution Lines in 10 Zones Malaparamba zone -part-1 Malaparamba Zone -part -2 Eravathukunnu north and South Zone East Hill Zone Balamandiram and pottammal Zone Kavoor Zone part -1 Kavoor Zone -part -2 Elathur Zone CheruvannurNallaam Zone Beypur Zone	23.275	13.965	9.31	46.55	Coverage	45%	75%
	Sewerage and Septage Management	Construction of sewerage system in zone A -part B - phase 2	17.03	10.218	6.812	34.06	Coverage	0%	11.4%
	Storm Water	PalayamSamuthiri cross road to EK Cannal, Tadambattuthazhham Park, People Road - Karaparamba HSS -EK Cannal, YMRC Road -Millathu colony, NandancheryAyyankar Road -Kallayi River	9.65	5.79	3.86	19.3	Incidence of water logging	20%	12%
	Urban Transport	Foot over bridge with escalators near new bus stand	5.675	3.405	2.27	11.35			
	Others	Tadambattuthazhham Park, Garudamkulam Park, Malaparamba park, Gotheeswarampark,Beypur, Cheruvannurchildrens Park, Tadambattuthazhham Park	1.135	0.681	0.454	2.27	Per person open space	12	12

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
Kannur	Water Supply	Increasing the capacity of Raw water pump set at Intake and Booster station including Electrical installations	0.75	0.45	0.3	1.5	quantity	90 LPCD	115 LPCD
		Rehabilitaion of existing old distribution network valves , house service lines and providing flowmetrsetc including road reformation connection and inter-connection with existing charges (PWD/NH/Corporation	10	6	4	20	NRW	32%	27%
		Laying new distribution line 385 KM and providing new service connection	8.385	5.031	3.354	16.77	Coverage	43%	53%
	Sewerage and Septage Managem	Providing decentralised sewerage net work with STP in old kannur municipal area	14	8.4	5.6	28	Coverage	0%	15%
	Storm Water	Construction and rejuvenation of primary drains & secondary drains at Thottadathodu connecting drain Varam,Varamvayal,Katampal lipuzha and connecting drain Sea shore structures as per the requirement at payyambalam,Aayikkara,Mu kkadav,Kadallai,areas for eliminating sand deposit	7.935	4.761	3.174	15.87	Coverage	15%	20%
	Urban Transp ort	MultiLevel Car parking complex at stadium premises	4.65	2.802	1.868	9.34	Parking	LOS 3	LOS 4
	Others	Chelora park near trenching ground	0.44	0.265	0.178	0.89	Per person open space	3.29	6
		KappadSisumandiram park	0.2	0.12	0.08	0.4	Per person open	3.29	6
		New payyambalam park near cremation centre	0.15	0.09	0.06	0.3	Per person open space	3.29	6

City Name	Sector	Project Name	Estimated cost and Share				Change in Service Level		
			GoI	State	ULB/ Others	Total	Indicator	Existing	After Project completi on
		Anakulam park	0.15	0.09	0.06	0.3	Per person open space	3.29	6

1. PRINCIPLES OF PRIORITIZATION

The State has prioritized and recommended projects for selection under AMRUT as per the Mission Guidelines.

During SLIP preparation, the ULBs have identified the projects based on service level gap analysis, and through consultative process prioritized those projects so as to achieve universal coverage of water supply connections followed by sewerage connections, this being the national priority. The next priority was accorded to the other service levels in these sectors appropriate to the specific town.

In the SAAP, the ULBs with higher gaps in coverage of water supply and sewerage were given priority for funding in the first year. Potential smart city has also been given due consideration in fund allocation to achieve convergence despite their comparatively better coverage of water supply. Thiruvananthapuram and Kochi are the two largest ULBs in terms of total population (high influx of floating population) and geographical coverage. These cities also accommodate a higher share of urban poor in the state. However service level gaps in these cities are comparatively less compared to other cities. In these circumstances, the priority is also given to the total population and geographical coverage.

The prioritization of ULBs for funding has been discussed with the Mayors, Chairpersons and Commissioners of the ULBs.

- Has consultation with local MPs/ MLAs, Mayors and Commissioners of the concerned ULBs been carried out prior to allocation of funding? Give details of dates and number of participants

The criteria followed for the funding has been discussed with the Mayors, Chairpersons and Secretaries of the ULBs and informal consultations have been done with MLAs and MPs.

Date	No. of participants	Agenda	Details of participants
Trivandrum			
02/08/2016	82	Discussion on the Prioritization of projects for SAAP III	Elected representatives including Mayor & Dy. Mayor, Officials from ULB, KWA and other stakeholders freelance consultants in the respective sectors.
Kollam			
21/11/2016	7	AMRUT Core Committee Meeting for the discussion of SLIP 2017-'18	Mayor,Dy.Mayor,Standing Committee, Chairpersons (Development, Works), Executive Engineer, Urban Planner, Urban Infra. Expert. of AMRUT
20/12/2016	13	AMRUT Meeting for preparation of priority list of AMRUT projects to be included in the SAAP	Mayor, Dy.Mayor, Standing Committee Chairpersons Development, Works, Town Planning, Welfare, Health, Education and Tax Appeal), Secretary, Executive Engineer, Urban Planner, Urban Infra. Expert. of AMRUT
12/04/2017	17	AMRUT Core Committee Meeting for the discussion of various projects under ULB sector for which DPR being prepared by the Consultant	Mayor, Dy.Mayor, Standing Committee Chairpersons (Development, Works), Opposition Leader, Executive Engineer, Asst. Exe. Engineer, Asst. Engineer, Project Manager, PE & Architect of M/s KITCO Ltd., Urban Planner, Urban Infra. Expert., PWO 1 & IT Officer of Corporation
27/04/2017	10	AMRUT Core Committee Meeting for the discussion of various projects under ULB sector	Mayor, Dy.Mayor, Standing Committee Chairpersons (Development, Works), Secretary, Asst. Exe. Engineer, Asst. Engineer, Urban Planner, Urban Infra. Expert., of AMRUT
09/05/2017	10	AMRUT Core Committee Meeting for the discussion of various projects under ULB sector especially the Multi Level Car Parking	Dy.Mayor, Standing Committee Chairpersons (Development, Works),Secretary, Superintending Engineer, Executive Engineer, Asst.Exe. Engineer, Executive Engineer of KWA, Urban Infra. Expert., of AMRUT, PE of M/s KITCO Ltd.,
19/05/2017	8	AMRUT Core Committee Meeting for the discussion of various projects under ULB	Dy.Mayor,Standing Committee Chairpersons(Development),Secreta ry,Superintending Engineer,Executive

		sector for the balance amount	Engineer,Asst.Exe.Engineer,Urban Infra. Expert., of AMRUT
Alappuzha			
20/04/2017	11	Discussion on prioritization of SAAP 2017-18 projects	Chairman, Vice. Chairman, NH PWD Roads officials, KWA, CMMU, Standing committees etc
06/08/2017	8	Discussion on Amrut Project 2017-18	Hon MP, Municipal chairman, officialsetc
Kochi			
25.09.2016	8	Progress of on-going projects, slip 2017-18	Dy Mayor, Chairman Works, Chairperson Development Committee, Secretary, Supdt. Engineer, AEE. Enginer, Urban Planner, Urban Infrastructure Expert etc.
Thrissur			
05/11/2016	12	Discussion on prioritization of projects SLIP 2017-18	Dy.Mayor ,Standing committee chairpersons, elected representatives, Additional Secretary, ULB Engineers, officials of KWA, CMMU
16/12/2016	6	Prioritization for SAAP III Projects	Dy.Mayor ,Standing committee chairpersons, elected representatives, Additional Secretary, ULB Engineers, officials of KWA, CMMU
12/01/2017	78	Fund discussion and prioritization of SAAP III Projects	Mayor , Secretary, Council Members, all department heads and other officials
Guruvayoor			
13/01/2017	55	Prioritisation of SAAP 17-18 projects	Muni.chairman ,Standing Committee chair persons,officials from variou Depts
Palakkad			
03/01/2017	28	Stakeholders meeting on SAAP2017-2018 and funding options for AMRUT	MP, Chairperson, , Deputy Chairman, standing committee chairman's, Parliamentary party leaders, secretary ULB engineering department and all other stakeholders and line departments (Including KWA, PCB, Town Planning, Suchitwa Mission, KSEB etc)
Kozhikode			
23/11/2016	11	Prioritisation of projects	Members of core committee and KWA officials
19/12/2016	20	Discussion on Prioritisation of projects	Mayor, elected representatives, ULB&KWA officials
Kannur			
24/10/2017	9	Submission of SAAP III Water supply project DPR, Permission for selection of DPR consultant in Sewerage & Septage sector through empanelled list by E tender, Presentation ofMulti level car parking Draft DPR by KITCO,	Mayor, Dy Mayor, Core commitee members, AExE, KITCO, KWA Engineer, Urban Planner, Urban Infra Expert

11/10/2017	12	Submission of Footpath & Cycle track DPR in the committee Submission of 7 parks DPR in the committee DPR passed for council presentation	Mayor, Dy Mayor, Core committee members, EE I, EE II, AExE, ISA, Suresh babu & Partners, Urban Planner, Urban Infra Expert
20/11/2017	9	Selection of DPR consultant in Septage & Sewage sector Expansion of 1 acre Chelora park to 3.5 acre as per Chief Secretary order	Mayor, Dy Mayor, Core comm members, SE AExE, ISA, Ram Biological, AMRUT Environ Expert, Urban Planner
27/11/2017	11	Presentation & Finalisation of Footpath & Cycle tract DPR by consultant ISA	Mayor, Dy Mayor, Core committee members, EE I, AExE, ISA, Urban Planner, Urban Infra Expert
4/12/2017	16	Presentation & Finalisation of Septage Treatment Plant DPR by Ram biologicals Presentation & Finalisation Stormwater drainage DPR by ISA Presentation of Water supply SAAP III DPR by KWA Decision on handing over of Sea outlet work to Harbour Engineering finalised	Mayor, Dy Mayor, Core committee members, SE, EE, AExE, KWA Engineers, Rambiological, ISA, Urban Planner, Urban Infra Expert
12/12/2017	14	Discussion on number of wards to be covered in the Sewerage network under STP in Project with consultant Rambiological. Instructed consultant to present DPR on Dec 28th SLTC for AS.	Mayor, Dy Mayor, Core committee members, SE, EE, AExE, Ennv Engg, Rambiological, Urban Planner, Urban Infra Expert
20/12/2017	11	Discussion on present status of DPR preparation of Sewerage Treatment Plant with consultant Rambiological.	Mayor, Dy Mayor, Core committee members, SE, EE, AExE, Ennv Engg, Rambiological, Urban Planner
23/12/2017	9	Draft DPR presentation of Sewerage Treatment Plant by consultant Rambiological.	Mayor, Dy Mayor, Core committee members, SE, EE, AExE, Ennv Engg, Rambiological, Urban Planner
26/12/2017	8	Final DPR presentation of Sewerage Treatment Plant by consultant Rambiological before presenting before council members & passing for SLTC	Mayor, Dy Mayor, Core committee members, AExE, Ennv Engg, Rambiological, Urban Planner

- Has financially weaker ULBs given priority for financing? Please give list.

The state is contributing 30% of the proposed cost of the project and

apart from devolution of fund to the ULBs, 14th Finance Commission Grants are timely disbursed to the ULBs. Also from plan fund, Maintenance fund (Road) and Maintenance Fund (Non Road) exclusively for the maintenance of assets has been transferred to the Local Bodies. Hence the financial capacity of ULB was not a criterion in prioritising the projects.

However, based on HPSC's decision the financial performance of the mission cities were analysed and weightage was given to the cities as an incentive for their performance.

- Is the ULB with a high proportion of urban poor has received higher share? Please give list.

Yes, Thiruvananthapuram and Kochi are having high proportion of urban poor and they have been given priority for fund allocation. The cities in Kerala exhibits homestead type settlements, which has own wells and individual toilets with septic tanks within the compound. Economically weaker sections are more dependent on beneficiaries of public water supply system and sewerage network. By aiming at the universal coverage, certainly the priority has gone to cities with higher share of Urban poor.

- Has the potential Smart cities been given preference? Please give list

While preparing SLIP, Kochi and Thiruvananthapuram (selected under Smart Cities Mission) have been given priority. The projects for reduction in NRW, sewerage network and NMT has been given priority in these cities

- What is the quantum of Central Assistance (CA) allocated to the State during 2017-18?

The central allocation to Kerala in 2017-18 is Rs 486.82 Cr

- Has the allocation to different ULBs within State is consistent with the urban profile of the state?

As per the Census 2011, among the States in India, Kerala has exhibited one of the fastest urbanization rates during 2001-11. The state has around 93 statutory urban areas (6 Corporation and 87 Municipalities) and 427 census towns. However only 9 cities were selected under AMRUT, covering a population of around 34 lakh person, which is only around 20% of the total urban population in the State.

2. **Importance of O&M**

It has been observed that ULBs pay little attention to the operation and maintenance of infrastructure assets created after completion of projects. This tendency on the part of implementing agencies leads to shear loss off national assets. Please fill out the Plan of action for A&OE expenses given in Table 4 (pg-48) of AMRUT Guidelines and answer the following questions.

Do projects proposed in the SAAP include O&M for at least five years? What is the nature of O&M?

Effective Operation & systematic Maintenance (O&M) of the infrastructure is essential for ensuring sustainability of any infrastructure created. In view of the importance of effective Operation & Maintenance (O&M) of the infrastructure created through the AMRUT for ensuring sustainability of the infrastructure created, it is proposed to extend O&M arrangements for 5 more years after the completion of the Defects Liability Period. This will ensure supply of good quality infrastructure by the agency and ensure its upkeep during the DLP and O&M period of 5 years also, saving huge money to the Govt. /ULB, increase of life of the asset, reduced wear and tear, reduced energy consumption etc.

How O&M expenditures are propose to be funded by ULBs/ parastatal?

For all projects, strategies for O&M have been planned in the SAAP for a period of 5 years period and this arrangement shall be an integral part of the agreement with the contractor. This arrangement will incentivise the contracting agency to construct good quality infrastructure and supply good quality of equipment which will last for its design life with reduced maintenance or repairs.

The expenditure towards O&M arrangements for 5 years after the DLP are proposed to be funded from the allocation to the Maintenance Fund (Non-Road) of the concerned ULBs. The possibility of collection of user charges, strengthen the billing and collection systems and other

strategies for revenue improvement are being analysed in the State.

Is it by way of levy of user charges or other revenue streams?

The State is assessing the possibility of collection of user charges, strengthen the billing and collection systems and other strategies for revenue improvement, to meet the O& M Cost.

Kerala Water Authority is responsible for providing water supply and sewerage network connects to the Households. To meet the cost of O&M, KWA is exploring possibilities like the expanding the connection /service network, strengthening billing and collection systems, energy conservation and efficiency improvement, reduction of NRW (Non-Revenue Water), reuse and recycling of waste water, Smart metering, SCADA etc.

What kind of model been proposed by States/ULBs to fund the O&M? Please discuss.

State has proposed to meet the requirement from the Maintenance Fund (Non-Road) of the concerned ULBs. However recovery of O&M by ULBs through imposing user charges and other operation cost reduction measures are also being explored by the concerned departments.

Is it through an appropriate cost recovery mechanism in order to make them self-reliant and cost-effective? How?

Appropriate strategy for cost recovery mechanism to make them self-reliant and cost-effective is being analysed and explored.

3 REFORM IMPLEMENTATION

In order to become eligible to claim the 10% incentive, the State is required to implement the Reforms prescribed by GoI. The states are also required to a self-assessment and based on the score the Apex committee will decide the eligibility of the state. Please fill out Table 5.2; pg. 52 of AMRUT Guidelines and respond to the following. Some of the criteria that should be considered while preparing the SAAP:

- Fill out the tables prescribed by the TCPO. What are the Reform type, steps and Target for 2017-18?

S.No	Type	Milestones	Implement ation timeline
1	E-Governance	Personnel Staff management	36 months
		Project management	36 months
2	Urban Planning and City level Plans	Establish Urban Development Authorities.	36 months
		Develop at least one Children Park every year in AMRUT cities.	Every year
3	Swachh Bharat Mission	Elimination of open defecation	36 months
		Waste Collection (100%)	36 months
		Transportation of Waste (100%)	36 months

Scientific Disposal (100%)

36 months

- Fill out Table 5.5 (pg. 54) given in the AMRUT Guidelines. What is the outcome of the self-evaluation done for reporting progress on reform implementation in order to receive the 10% incentive?

PROFORMA FOR SUBMISSION OF SELF-ASSESSMENT
AMRUT Reform Scoring of 11+2 Milestones for FY 2016-17 State Claim
State : Kerala **No. of Mission Cities: 9**

#	Reform	Milestones	Max Score	State Claim	
				Number	%
1	E Governance	Coverage with E-MAAS			86
		Registration of birth/death/ Marriage	1	1	
		Water & Sewerage Charges	1	1	
		Grievance Redressal	1	0.6	
		Advertisement tax Mutations			
		Payroll			
		Pension and e-procurement			
		Property Tax	1	1	
		Issuance of licenses	1	1	
		Building Permission	5	4	
2	Municipal Cadre	Establishment of Municipal Cadre	10	7	70
		Cadre linking Training	10	10	100
3	DEA	Appointment of internal auditor	10	5	50
		Publication of AFS on website#	10	10	100
4	Urban Planning	Energy Efficiency Projects	10	0	0
		Develop at least one Children Park every year in AMRUT cities#	10	10	100
5	Devolution of Funds & Functions	Implementation of SFC recommendations within timeline	10	10	100
6	Review of Building bye laws	Adoption of Model Building By-Laws- 2016	20	10	50
7	Set up Financial Intermediary at State Level	Establishing SLFI at state level*	10	10	100
8	Credit Rating	Complete the credit ratings of the ULBs	10	10	100
9	Energy & Water Audit	Waste Water recycling and Feacal Sludge Management	10	10	100
Total			130	100.6	77.38

All Mission Cities have achieved more than 70% score, which is required for claiming the incentive.

- Have any issues been identified during the review by HPSC on Reforms implementation? What are the issues?

Nil.

- Have these issues been considered while planning for reform implementation? How?

Not Applicable.

5 ANNUAL CAPACITY BUILDING PLAN

The state is required to submit a Capacity Development Plan along with the SAAP for approval by the MoHUA, to empower municipal functionaries and lead to timely completion of projects. Please prepare the individual and institutional capacity building plan by filling out Tables 7.2.1, 7.2.2, 7.2.3 and statement in Table 7.2.4 (pgs. 70 – 72) of AMRUT Guidelines and give the following responses.

- What is the physical and financial Progress of capacity development at state level?

The roll out of capacity development programme is progressing as per the approved SAAPs. The training for the targeted number of elected representatives and functionaries have been completed as per the training plan issued for the previous financial years and as per the operational guidelines. 59.61% is completed against the approved plan.

- Do you feel that there is a need to include any other category of official, new department or module?

Integrated Capacity Building Programme envisages the involvement of all functionaries.

- What are the issues that are been identified during the review?

Delivery of lectures was preferred in regional language.

- Have the activities in your current year Capacity Building Plan – training, exposure visits (ULB staff and elected representatives), seminars/workshops, etc. – been vetted/approved by NIUA?

Yes the State training plan was prepared and has been forwarded to NIUA. The report on the trainings rolled out has also been forwarded to NIUA. Seminars/workshops/exposure visits are yet to be rolled out and will be scheduled as per the training plan.

- What is the present institutional capacity in the ULBs of the state; have the RPMC, UMC, etc. been appointed? Are there other PMUs, PIUs, etc.

which are still operational?

Two member team which forms the City Mission Management Unit, have been placed at the 9 AMRUT cities. There are no RPMC or UMC that are operational.

- What has been the progress during the previous year/s in institutional capacity building, especially but not only in the seven areas that are mentioned in the AMRUT Guidelines?

- a. Consultants have been selected for the preparation of the DPRs. The ULBs are being supported by the State and City Mission Management Units.
- b. Proposals from KWA for additional staff requirements under implementation team for AMRUT have been approved by SHPSC and selection process in progress.
- c. Strengthening of implementation team in ULB is currently under process.

- Attach the Quarterly Score Cards on p. 73 of the Mission Guidelines.

Included in Chapter 4

ADMINISTRATIVE AND OTHER EXPENSES

The 10% allocation for A&OE has been divided into two parts, 8% State fund and 2% GoI fund. Please fill out the Plan of Action Table given in the AMRUT Guidelines (Table 4; pgs.48, 49) and answer the following questions.

- What is the committed expenditure from previous year?

Amount in Rs.						
No.	Items proposed for A&OE	Actual Expenditure till date	Proposed plan for financial year			
			2017-18	2018-19	2019-20	Total
1	Preparation of SLIP,SAA P	63,000.00	0.00	0.00	0.00	0.0
2	PDMC	2,36,85,896.00	177,000,000.00	170,000,000.00	93,000,000.00	440,000,000.00
2.1	<i>DPR Preparation cost</i>	2,2868,896.00	107,000,000.00	100,000,000.00	23,000,000.00	230,000,000.00
2.2	<i>Project M & I services cost -KWA</i>	8,17,000.00	20,000,000.00	20,000,000.00	20,000,000.00	60,000,000.00
2.3	<i>Project M & I services cost -ULB</i>		50,000,000.00	50,000,000.00	50,000,000.00	150,000,000.00
3	State PMU & City PMU	3,16,79,625.00	15,840,000.00	15,840,000.00	15,840,000.00	47,520,000.00
4	Publications (e-Newsletter, guidelines, brochures etc.)		1,000,000.00	1,000,000.00	1,000,000.00	3,000,000.00
5	Capacity Building and Training - CCBP, if applicable - Others	18,81,057.00	7,500,000.00	7,500,000.00	7,500,000.00	22,500,000.00
6	Reform implementation	9,00,000.00	1,000,000.00	1,000,000.00	1,000,000.00	3,000,000.00
7	Administrative and Misc.	23,52,131.00	9,000,000.00	9,000,000.00	9,000,000.00	27,000,000.00
	Total	6,05,61,709.00	211,340,000.00	204,340,000.00	127,340,000.00	543,020,000.00
<ul style="list-style-type: none"> What are the issues that are been identified during the review? 						
Nil.						
<ul style="list-style-type: none"> Have the A&OE fund used only for admissible components? 						
Yes, funds under A&OE have been used only for admissible components.						

- How the ULB/State wants to carry out the implementation of the projects, (establishment of IRMA/PDMC/SMMU/CMMU)?

State has established the SMMU and CMMUs in all mission cities to coordinate and monitor the projects. The tasks of PDMC has been unbundled, where DPR preparation are taken care by consultants and para-statal agencies directly. The process of issuing Technical Sanction is being dealt by KWA, LSGD Engineering Wing and Technical Expert Committee. The project implementations are undertaken by KWA, ULB and Government Accredited Agencies with additional staffing as per requirement.

The services of IRMA are also being planned for independent inspection and third party quality monitoring. The services of state accredited project management consultant are also planned if the project implementation wing expect a shortage in services.

Financing of Projects

Financing is an important element of the SAAP. Each state has been given the maximum share that will be given by the Central Government. (Para 5 of AMRUT Guidelines). The State has planned for the remaining resource generation at the time of preparation of the SAAP. The financial share of cities will vary across ULBs. Information responding to the following questions regarding financing of the projects proposed under AMRUT, in words has been indicated below:

- What is the State contribution to the SAAP? (should be greater than 20 percent, Para 7.4 of AMRUT Guidelines)

The amount for which SAAP 2017-18 prepared is Rs 973.64 Cr against the Central Allocation of Rs 486.82 Cr (50%). State's contribution in the SAAP 17-18 is Rs 292.09 Cr (30%) of the total SAAP amount

- Fill out Table 3.4 at pg.45 of AMRUT Guideline. How the residual financing (over and above Central Government share) is shared between the States, ULBs?

SAAP 17-18 is prepared for a total amount of 973.64 Cr, and the State Share is Rs 251.11 Cr (30%) and the ULB share is 154.56 (20%)

#	Sector	GoI	State	ULB	Total
1	Water Supply	238.18	142.91	95.27	476.35
2	Sewerage/ Septage Management	118.16	70.89	47.26	236.31
3	Drainage	78.08	46.85	31.23	156.15
4	Urban Transport	42.57	25.54	17.03	85.14
5	Others	9.85	5.91	3.94	19.69
	Grand Total	486.82	292.09	194.73	973.64

- Fill out Table 3.3 at pg 44 of AMRUT Guidelines. Has any other sources identified by the State/ULB (e.g. PPP, market borrowing)? Please discuss

The SAAP is prepared against the Central allocation; however the State Government has initiated Kerala Infrastructure Investment Fund Board (KIIFB), Kerala Urban and Rural Development Finance Corporation (KURDFC), Corporate Social Responsibility Fund (CSR) etc.. for funding of infrastructure projects.

- Whether complete project cost is linked with revenue sources in SAAP? Please describe?

All the projects proposed in SAAP 17-18 are linked with revenue sources ,as described above under either CA or State/ULB's contribution

- Has projects been dovetailed with other sectoral and financial programme of the Centre and State Governments?

Yes. State has allocated funds under 14th Finance Commission to the ULBs. State will raise additional resources for AMRUT through devolution of fund to Municipalities and converging with other state and Centrally sponsored schemes.

The Coordination committee of LSGD has also approved the utilization of Plan fund for mobilizing the share of the ULBs in AMRUT project.

- Has States/UTs explored the possibility of using Public Private

Partnerships (PPP), as a preferred execution model? Please discuss.

Yes, the State is exploring the possibilities of using PPP as a preferred execution model for projects with potential for revenue generation. Multi level car parking, rejuvenation of parks and open spaces are a few.

- Are PPP options included appropriate Service Level Agreements (SLAs) which may lead to the People Public Private Partnership (PPPP) model? How?

Yes, the peoples participation is ensured in the implementation of projects under Rain Water Harvesting and Rejuvenation of parks and open spaces .



CHAPTER-4



TABLES

CHAPTER 4: TABLES:**Table 1.1 Breakup of total MoHUA allocation for AMRUT**

FY 2017-18

Name of State: Kerala

Total Central funds allocated to State	Allocation of Central funds for A&OE (@ 8% of Total given in column 1)	Allocation of funds for AMRUT (Central share)	Multiply col. 3 by x3) for AMRUT on col. 4 (project proposal to be three-times the annual allocation - CA)	Add equal (col. 4) State/UL B share	Total AMRUT annual size (cols.2+4+5)
1	2	3	4	5	6
175.25	12.98	162.27	486.82	486.82	973.64

Table 1.2.2: Abstract-Break-up of Total Fund Sharing Pattern

(Amount in Rs Cr.) FY 2017-18

Sl. No.	Sector	Centre	State			ULB			Convergence	Others	Total
			Mission	14th FC	Others	Total	14 th FC	Others			
1	Water Supply	238.18		142.91	381.08		95.27	95.27	Nil	Nil	476.35
2	Sewerage/ Septage Management	118.16		70.89	189.05		47.26	47.26	Nil	Nil	236.31
3	Drainage	78.08		46.85	124.92		31.23	31.23	Nil	Nil	156.15
4	Urban Transport	42.57		25.54	68.11		17.03	17.03	Nil	Nil	85.14
5	Others	9.85		5.91	15.75		3.94	3.94	Nil	Nil	19.69
	Grand Total	486.82		292.09	778.91		194.73	194.73	Nil	Nil	973.64

Table 1.3: Abstract-Use of Funds on Projects: On Going and New

(Amount in Rs.) FY 2017-18

Sl. No.	Sector	Total Project Investment	Committed Expenditure (if any) from Previous year						Proposed Spending during Current Financial year						Balance Carry Forward for Next Financial Years								
			Centre	State			ULB			Centr	State			ULB			Cen	State			ULB		
				14th	Others	Total	14th	Others	Total		14th	Others	Total	14th	Others	Total		14th	Others	Total			
1	Water Supply	1071.09	17.97	10.78	10.78	7.19	7.19	13.48	8.09	8.09	5.39	5.39	4.49	2.69	2.69	1.8	1.8						
2	Sewerage & Septage	624.75	1.72	1.03	1.03	0.96	0.96	1.29	0.77	0.77	0.72	0.72	0.43	0.26	0.26	0.24	0.24						
3	Drainage	382.29	3.56	2.14	2.14	1.42	1.42	2.67	1.61	1.61	1.07	1.07	0.89	0.53	0.53	0.35	0.35						
4	Urban Transport	230.95	3.77	2.26	2.26	1.51	1.51	2.83	1.70	1.70	1.13	1.13	0.94	0.56	0.56	0.38	0.38						
5	Parks	48.61	1.28	0.77	0.77	0.51	0.51	0.96	0.58	0.58	0.38	0.38	0.32	0.19	0.19	0.13	0.13						
	Grand Total	2357.69	28.26	16.95	16.95	11.30	11.30	21.23	12.75	12.75	8.69	8.69	7.03	4.2	4.2	2.61	2.61						

Table 1.4: Abstract-Plan for Achieving Service Level Benchmarks

FY 2017-18

Proposed Priority Projects as per SLIP	Total Project Cost	Indicator ²	Baseline 3	Annual Targets based on Master Plan (Increment from the E Baseline Value)				
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2			
Water Supply								
71	1637.79	1. Household level coverage of direct water supply connections	54%		60.05	67.22	77.78	81%*
		2. Per capita quantum of water supplied	85.2 LPCD		94.86	108.8	123.22	137.22
		3. Quality of water supplied	87.88%		91.77	93.22	94.55	96.88%
Sewerage and Septage Management								
47	3163.5	4. Coverage of latrines (individual or community)	98.19%		99.67	99.67	99.89	100%
		5. Coverage of sewerage network services	4.44%		6.67	9	10.56	16.6%
		6. Efficiency of Collection of Sewerage	4.89%		7	11.22	18.44	54%

		7. Efficiency in treatment	11.06%		11.67	15.33	20	78%
Drainage								
74	1884.66	8. Coverage of storm water drainage network	34.11%		36.78	40.05	44.89	42.26%9
Urban Transport								
76	1049.74	9. Service coverage of urban transport in the city	LOS 4		LOS 4	LOS 4	LOS 4	LOS 3
		10. Availability of urban transport per 1000 population	2.62		2.62	2.62	2.62	2.62
Others								
94	324.55	Per person open space	7.56		7.94	8.19	8.66	9.02

* In Kerala, many of the households depend on their own wells as the source of drinking water, hence the low percentage in piped water supply connections. Including the 19% Households which have their own well water and do not require piped water supply, the benchmark of universal coverage (100%) in water supply will be achieved by the end of the mission period.

2 As per SLB framework for water supply, sewerage, solid waste management and drainage and proposed SLB indicator for urban transport

3 Detailed information for arriving at % target against baseline shall be worked out from details provided by Cities so as to arrive at state indicators

Table 3.1: SAAP - Master Plan of all projects details to achieve universal coverage				
Sr. No.	Name of ULB	Total number of projects to achieve universal coverage (water supply and sewerage)	Estimated Cost	Number of years to achieve universal coverage
1	THIRUVANANTHAPURAM	29	988	5
2	KOLLAM	7	901	5
3	ALAPPUZHA	19	192.33	5
4	KOCHI	7	926	5
5	THRISSUR	21	197.68	5
6	GURUVAYUR	5	108	5
7	PALAKAD	12	428	5
8	KOZHOKODE	11	877	5
9	KANNUR	7	183.28	5

Table 3.2: SAAP - Sector Wise Breakup of Consolidated Investments for all ULBs in the State							
Name of State: KERALA						FY : 2017-18	
(Rs. in Cr.)							
Name of City	Water Supply	Sewerage / Septage Management	Drainage	Urban Transport	Open space	Reforms	Total
1	2	3	4	5	6	7	8
Thiruvananthapuram	25	75.47	24	14	3	Included under A&OE	141.47
Kollam	42.9	31.39	15	13.29	2.09		104.67
Alappuzha	58.13	6	25.97	4.25	1.94		96.29
Kochi	53.01	37.	21.98	13.93	2.59		129.3
Thrissur	64.3	23.6	15.78	5	2.22		110.9
Guruvayur	80.86	0	0.64	6	1.78		89.28
Palakkad	67.33	0	17.61	7.98	1.91		94.83
Kozhikode	46.55	34.06	19.3	11.35	2.27		113.53
Kannur	38.27	28	15.87	9.34	1.89		93.37
Total Project Investments							973.64
A&OE							54.3
Grand Total							1027.94

Table 3.5: SAAP- – State level Plan for Achieving Service Level Benchmarks**Name of State –Kerala****Current Mission Period- 2017-18**

Proposed Priority Projects	Total Project Cost (Rs in Cr)	Indicator	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
Water Supply									
	2173.42	Household level coverage of direct water supply connections	53.5	53.5	53.5	60	65	70	81*
		Per capita quantum of water supplied	84.09	84.09	84.09	90	110	120	135
		Quality of water supplied	89.08	89.08	89.08	92	95	98	100
Sewerage and Septage Management									
	4181.15	Coverage of latrines (individual or community)	97.20	97.2	97.2	99	100	100	100
		Coverage of sewerage network services	4.44	4.44	4.44	7	15	20	35
		Efficiency of Collection of Sewerage	4.89	4.89	4.89	10	20	35	50
		Efficiency in	11.06	11.06	11.06	15	35	60	75

Proposed Priority Projects	Total Project Cost (Rs in Cr)	Indicator	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)					
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
		treatment							
Drainage									
	1909.05	Coverage of storm water drainage network	33.19	33.19	33.19	35	38	42	45
Urban Transport									
	1201.59	Service coverage of urban transport in the city	2.46	These indicators are meant for motorised transportation where as Mission emphasises on NMT and our proposals are mainly on improvement of parking systems, foot over bridges, footpaths and NMTs etc.					
		Availability of urban transport per 1000 population	2.73						
Green space and parks									
	324.35		7.62	7.62	7.62	8	8	8	8

*In Kerala, many of the households depend on their own wells as the source of drinking water, hence the low percentage in piped water supply connections. The targeted coverage by 2020 is shown as 81%, as the remaining 19% households have their also well water and do not require direct piped water supply connection. In short, universal coverage(100%) in water supply will be achieved by the end of AMRUT mission period.

Table 4: SAAP -Broad Proposed Allocations for Administrative and Other Expenses**(Amount in Rs.) Name of State: Kerala**

No .	Items proposed for A&OE	Actual Expenditure till date	Proposed plan for financial year			
			2017-18	2018-19	2019-20	Total
1	Preparation of SLIP,SAAP	63,000.00	0.00	0.00	0.00	0.0
2	PDMC	2,36,85,896.00	177,000,000.00	170,000,000.00	93,000,000.00	440,000,000.00
2.1	<i>DPR Preparation cost</i>	2,2868,896.00	107,000,000.00	100,000,000.00	23,000,000.00	230,000,000.00
2.2	<i>Project M & I services cost -KWA</i>	8,17,000.00	20,000,000.00	20,000,000.00	20,000,000.00	60,000,000.00
2.3	<i>Project M & I services cost -ULB</i>		50,000,000.00	50,000,000.00	50,000,000.00	150,000,000.00
3	State PMU & City PMU	3,16,79,625.00	15,840,000.00	15,840,000.00	15,840,000.00	47,520,000.00
4	Publications (e-Newsletter, guidelines, brochures etc.)		1,000,000.00	1,000,000.00	1,000,000.00	3,000,000.00
5	Capacity Building and Training - CCBP, if applicable - Others	18,81,057.00	7,500,000.00	7,500,000.00	7,500,000.00	22,500,000.00
6	Reform implementation	9,00,000.00	1,000,000.00	1,000,000.00	1,000,000.00	3,000,000.00
7	Administrative and Misc.	23,52,131.00	9,000,000.00	9,000,000.00	9,000,000.00	27,000,000.00
	Total	6,05,61,709.00	211,340,000.00	204,340,000.00	127,340,000.00	543,020,000.00

Table 5.2 SAAP-Reforms for AMRUT Cities for the FY-2017-18

S.No	Type	Milestones	Implementation timeline	Present Status
1	E-Governance	Personnel Staff management	36 months	Accomplished
		Project management	36 months	Accomplished
2	Urban Planning and City level Plans	Establish Urban Development Authorities.	36 months	Accomplished
		Develop at least one Children Park every year in AMRUT cities.	Every year	Accomplished
3	Swachh Bharat Mission	Elimination of open defecation	36 months	On going
		Waste Collection (100%)	36 months	On going
		Transportation of Waste (100%)	36 months	On going
		Scientific Disposal (100%)	36 months	On going

Table 5.5: SAAP- Self- Evaluation for Reporting Progress on Reform Implementation
Incentive based grant release calculation: Financial Year 2016-17

#	Reform	Milestones	Max Score	State Claim	
				Number	%
1	E Governance	Coverage with E-MAAS			86
		Registration of birth/death/ Marriage	1	1	
		Water & Sewerage Charges	1	1	
		Grievance Redressal	1	0.6	
		Advertisement tax			
		Mutations			
		Payroll			
		Pension and e-procurement			
		Property Tax	1	1	
		Issuance of licenses	1	1	
		Building Permission	5	4	
2	Municipal Cadre	Establishment of Municipal Cadre	10	7	70
		Cadre linking Training	10	10	100
3	DEA	Appointment of internal auditor	10	5	50
		Publication of AFS on website#	10	10	100
4	Urban Planning	Energy Efficiency Projects	10	0	0
		Develop at least one Children Park every year in AMRUT cities#	10	10	100
5	Devolution of Funds & Functions	Implementation of SFC recommendations within timeline	10	10	100
6	Review of Building bye laws	Adoption of Model Building By-Laws- 2016	20	10	50
7	Set up Financial Intermediary at State Level	Establishing SLFI at state level*	10	10	100
8	Credit Rating	Complete the credit ratings of the ULBs	10	10	100
9	Energy & Water Audit	Waste Water recycling and Feacal Sludge Management	10	10	100
Total			130	100.6	77.38

Table 7.2: Annual Action Plan for Capacity Building

Name of State –**Kerala**

FY- 2017-2020

Form 7.2.1 -Fund Requirement for Individual Capacity Building at ULB level

Sl.No	Name of the ULB	Total numbers to be trained in the current FY department wise							Name of the training institution(s) identified	Number of training programmes to be conducted (Elected representatives+ Functionaries)	Funds required in current FY
		Elected Representative	Finance Dept	Engineering Dept	Administrative Dept	Town Planning Dept	Line Dept	Total			
1	Trivandrum	78	94	80	86	43		381	CED/IIHS/IMG	12	0.58
2	Kollam	20	41	57	40	37		195	CED/IIHS/IMG	7	0.30
3	Alappuzha	22	25	30	32	-		109	CED/IIHS/IMG	3	0.17
4	Thrissur	22	47	8	19	10		106	CED/IIHS/IMG	3	0.16
5	Kochi	50	20	30	15	10		125	CED/IIHS/IMG	4	0.19
6	Kozhikode	15	25	35	20	10		105	CED/IIHS/IMG	3	0.16
7	Palakkad	30	15	20	10	5		80	CED/IIHS/IMG	3	0.12
8	Guruvayur	20	15	25	15	10		85	CED/IIHS/IMG	3	0.13
9	Kannur	15	21	34	52	5		127	CED/IIHS/IMG	4	0.20
10	Parastatal Agencies (KWA, TCP)							150	CED/IIHS/IMG	5	0.23
	TOTAL									47	2.24

Table 7.2: Annual Action Plan for Capacity BuildingName of State –**Kerala**

FY- 2017-18

Form 7.2.2 -Fund Requirement for State level activities

Sl.No	State Level Activity	Total expenditure upto current FY (in Cr.)	Unspent funds available from earlier releases	Funds required for 2017-2018(in Cr.)
1	RPMC/SMMU/CMMU		-	2.5
2	UMC	NA	NA	NA
3	Others (eg. Workshops,seminars, etc) which are approved by NIUA			
	National level workshop – 1			0.1
	Regional level workshop - 2			0.06
	State Level workshop – 4			0.10
	Workshop for Module Preparation (4x12 themes)			0.08
4	External Resource Persons			
	For 9 Workshops			0.04
	Exposure Visits			
	Five day Exposure visit to an initiative in India identified as a best practice			2
	Participation in International /National Workshop			0.18
	Participation of members of SMMU/CMMU in National level workshops/ Seminars/Conferences - Maxi 5 persons per year			0.10

	Research Studies			
	Three Research studies for the FY 2017-18			0.15
	Development of Data Base Repositories			0.05
	Development of Multilayer GIS			0.05
	Monitoring Activities of IRMA			0.10
	TOTAL			5.51

Table 7.2.3: Annual Action Plan for Capacity BuildingName of State – **Kerala**

FY- 2017-18

Form 7.2.3 -Total Fund Requirement for Capacity Building

Sl.No.	Fund requirement	Individual (Training & Workshop)	Institutional/ Reform	SMMU /CMMU	Others	Total (In Crore)
1	Total release since start of Mission (2015)					
2	Total utilisation-Central Share					
3	Balance available-Central Share					
4	Amount required-Central Share	0.75	0.10	0.15	-	1
5	Total fund required for capacity building in current FY 2017-18	0.75	0.10	0.15	-	1

Note : Invoices and costing sheets prepared by the training entities as per rates specified in CCBP toolkit is verified by the State and submitted to MoHUA for CBUD funds.

Form 7.2.4 Details of Institutional Capacity Building

<p>a. Is the State willing to revise their town planning laws and rules to include land pooling?</p>
<p>State Town Planning Act is under preparation and the suggestions of including land pooling and other land management mechanism like ToD, Town Planning Schemes etc are being seriously considered by the government.</p>
<p>b. List of ULBs willing to have a credit rating done as the first step to issue bonds?</p>
<p>During the JnNURM, the credit and performance rating has been done for Kochi and Thiruvananthapuram. However due to low grading, the mission cities did not initiate the process to issue the bonds. Credit and performance rating for all the mission cities have been initiated under AMRUT. The feasibility for raising the Municipal bond for funding infrastructure projects will be assessed after the Credit rating.</p>
<p>c. Is the State willing to integrate all work done in GIS in order to make GIS useful for decision making in ULBs?</p>
<p>Yes, Kerala State Government is willing to integrate all work done in GIS in order to make GIS useful for decision making in ULBs. The state has already initiated GIS mapping in planning and monitoring.</p> <p>Base maps are being prepared for all ULBs in the State. The master plans/development plans, slum free city plans etc are being prepared using GIS maps. At ULB level, GIS based maps are also being prepared to monitor the property tax collection, ULB asset management and infrastructure management.</p>
<p>d. Is the State willing to take assistance for using land as a fiscal tool in ULBs?</p>
<p>Yes, the State is willing to take assistance for using land as a fiscal tool in ULBs. The state is exploring the possibility of Impact fee, betterment charges, Area linked development charges, Building Penalisation scheme, introducing Vacant Land Tax (VLT), Transfer of Development Rights (TDR), Incentive FSI and Lay-out regularization scheme.</p>

e. Does the State require assistance to professionalize the municipal cadre?

Yes, support from the GoI is required to professionalise the municipal cadre. As part of JnNURM, Comprehensive Capacity Building Programme, Training need analysis was done for 14 ULBs and trainings were planned under Urban Planning, Urban Infrastructure, Municipal Finance and Governance.

f. Does the State require assistance to reduce non-revenue water in ULBs?

Yes, support is required, at present the non – revenue water is around 40%-30 in the proposed 9 mission cities. The Water Authority is aiming at universal coverage by reducing the percentage of Non-Revenue Water (NRW).

g. Does the State require assistance to improve property tax assessment and collections in ULBs?

Yes the State requires assistance in implementing technological solutions to improve the efficiency of property tax assessment and collection.

h. Does the State require assistance to establish a financial intermediary?

Yes, State has constituted KURDFC (Kerala Urban And Rural Development Finance Corporation Ltd) whose mandate is to provide funds for ULBs for VGF from various sources. The main activity of the Company is to provide loan assistance to various local bodies in the State of Kerala for their developmental activities. However more finance is required for the development need of ULBS.

**Table 7.4: Quarterly Score Cards for States
Financial and physical progress on capacity building (State level)**

Total number of ULBs: 9

Quarter ending –March'20

Name of the department/position	Physical		Financial		Total number trained	Total funds utilized (in Cr)
	Total target (2017-20)	Proportionate target (2017-20)	Funds allocated (2017-20)	Proportionate target (2017-20)		
Individual training	1463	1463	--	--	1334	0.19
Institutional capacity building						

- All the expenditure under Institutional capacity Building are met from CBUD