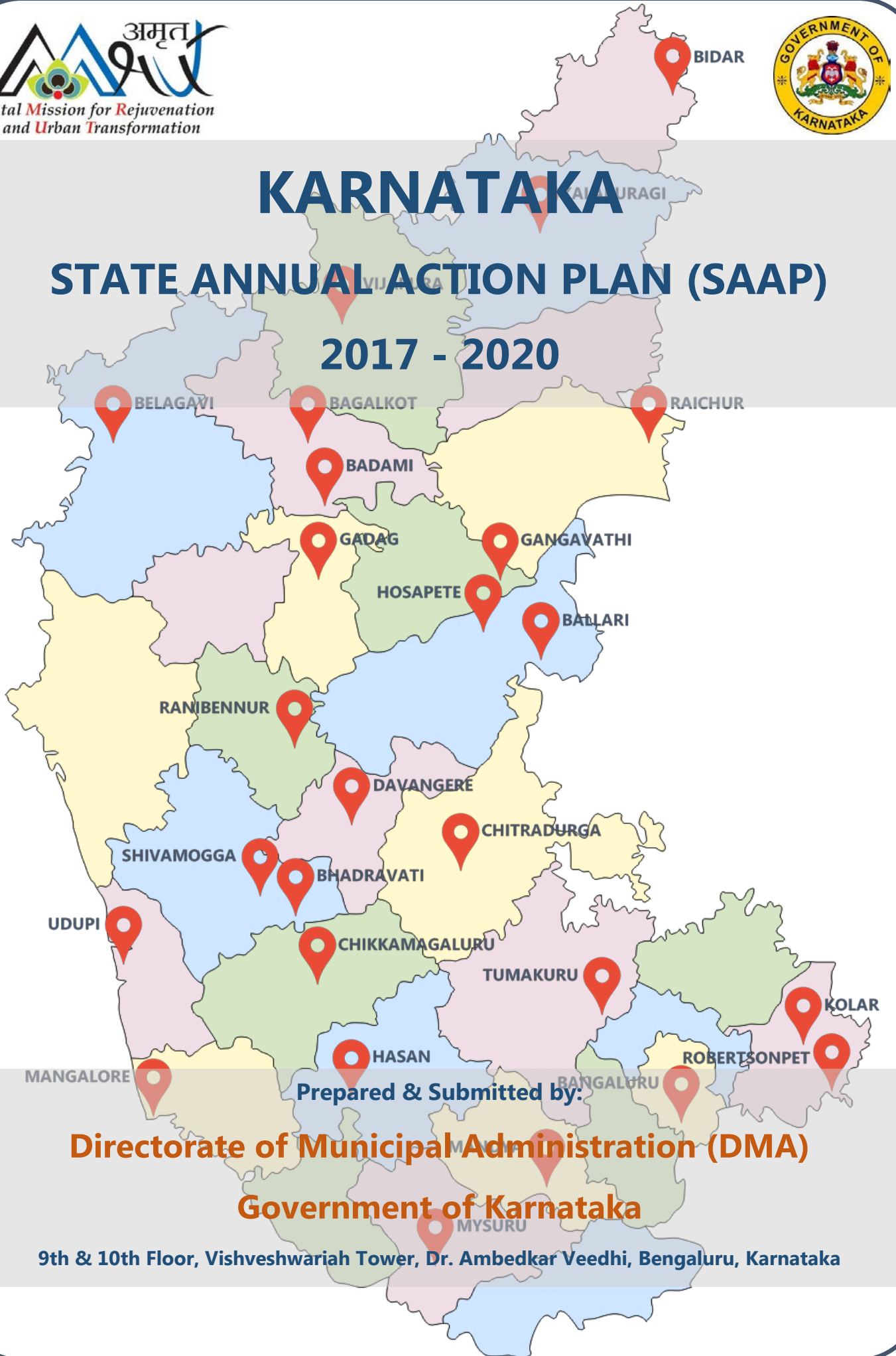


# KARNATAKA

## STATE ANNUAL ACTION PLAN (SAAP)

2017 - 2020



Prepared & Submitted by:

**Directorate of Municipal Administration (DMA)**

**Government of Karnataka**

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**Checklist: Consolidated State Annual Action Plan of all ULBs to be sent for Assessment by MoUD (as per Table 6.2)**

SN	Points of Consideration	Yes/No	Give Details
1.	Have all the Cities prepared SLIP as per the suggested approach?	Yes	All the Cities have prepared SLIPs giving first priority to universal coverage of Water Supply and Sewerage facilities and Septage management sectors.
2.	Has the SAAP prioritized cities for investment as per priority sectors and gap assessment?	Yes	The SAAP has prioritised the ULB-Wise investment based on Service Level Gap Analysis in Water Supply and Sewerage/ Septage Management sectors & Financial strength of the ULBs. The ULBs with wider gaps in Water Supply and Sewerage/Septage Management have been selected in the remaining years of mission period. Higher fund allocation is made to ULB which are financially weaker, have greater poor and slum population and potential smart cities are given importance as per the Guidelines.
3.	Is the indicator wise summary of improvements proposed (both investments and management improvements) by State in place?	Yes	Indicator wise improvement proposal both for investment and management has been considered by the State as per requirement.
4.	Have all the cities under Mission identified/done baseline assessments of service coverage indicators?	Yes	Baseline assessment of service coverage indicators have been done by the ULBs, Karnataka Urban Water Supply & Drainage Board (KUWS & DB) and Bangalore Water Supply and Sewerage Board (BWSSB) for the cities under AMRUT Mission.
5.	Is the SAAP derived from an approach towards meeting Service Level Benchmarks agreed by Ministry for each Sector?	Yes	The SAAP is derived from an approach towards meeting Service Level Benchmarks agreed by Ministry for each Sector.
6.	Is the investment proposed commensurate to the level of improvement envisaged in the indicator?	Yes	The investment proposed is commensurate to the level of improvement envisaged in the indicator.

SN	Points of Consideration	Yes/No	Give Details
7.	Are State Share and ULB share in line with proposed Mission approach?	Yes	<ul style="list-style-type: none"> <li>It is decided that State share for the Mission shall be 20% for all the ULBs.</li> <li>ULB Share shall be 30% for all the ULBs, except Bangalore city.</li> <li>For Bangalore City, the ULB Share is 47%.</li> <li>50 % share is sought from MoUD for all the ULBs, except Bangalore city.</li> <li>33% is sought for Bangalore city</li> </ul>
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	There is a need for additional resources and the State is considering to raise the additional resources through dovetailing State programs, aided projects, additional devolution to cities, 14th Finance Commission, external sources, PPP, etc.,
9.	Does State Annual Action Plan verify that the cities have undertaken financial projections to identify revenue requirements for O&M and repayments?	Yes	<p>SAAP has been prepared considering O&amp;M charges to be reimbursed by collecting user charges. The State has decided that the O&amp;M charges should be part of the project cost, hence the O&amp;M cost is included in the project for five years and concerned contractor should handle the O&amp;M. After 5 years, the concerned ULBs should take care of the O&amp;M of the project.</p> <p>ULBs have to open an escrow account and transfer the money earmarked for O&amp;M cost for meeting the O&amp;M. User charges collection and certain percentage of grants from SFC/14<sup>th</sup> FC should be set aside and kept in the escrow account every year.</p> <p>Every effort will be made by the ULBs to recover the O&amp;M costs of the project and if the ULBs are not able to make 100% cost recovery then, the State Government would allow them to use the grants available under 14FC, SFC etc., curtailing the grants available for development works.</p>
10.	Has the State Annual Action Plan considered the resource mobilization capacity of each ULB to ensure that ULB share can be mobilized?	Yes	<ul style="list-style-type: none"> <li>SAAP has been prepared considering financial position of ULBs. Where there is shortfall of fund such ULBs will be required to raise the loans to meet the project cost allocated under 'AMRUT'.</li> </ul>

SN	Points of Consideration	Yes/No	Give Details
11.	Has the process of establishment of PDMC been initiated and completed?	Yes	The process of establishment of PDMC is complete and the agency is in place.
12.	Has a roadmap been prepared to realize the resource potential of the ULB?	Yes	<ul style="list-style-type: none"> <li>The resource potential of each ULB has been considered while preparing the SAAP.</li> </ul>
13.	Is the implementation plan for projects and reforms in place (Timelines and yearly milestones)?	Yes	<ul style="list-style-type: none"> <li>The implementation plan of projects and reforms are in place.</li> <li>Road Map for implementation of Reforms is prepared and submitted to MoUD and TCPO of MoUD.</li> <li>All concerned implementing agencies and ULBs are directed to implement the projects and reforms within timelines stipulated.</li> </ul>
14.	Has the prioritization of projects in ULBs been done in accordance with para 7.2 of the guidelines?	Yes	<ul style="list-style-type: none"> <li>Prioritization of Projects in ULBs has been done in accordance with Para 7.2 of the guidelines. The ULBs with wider gap in Water Supply and Sewerage / Septage Management are selected in the remaining years of Mission Period.</li> </ul>

  
State Mission Director  
AMRUT -Karnataka

## Minutes of State High Powered Steering Committee (SHpsc) Meeting

(Enclosed)

## Chapter 1: Project Background and Summary

Provide brief description of AMRUT Mission as applicable to your State, thrust areas under mission, coverage of cities under mission, program management structure and funding allocation. (Two pages)

Here fill out Tables 1.1, 1.2.1, 1.2.2, 1.3 and 1.4 (pgs. 32 - 35); Tables 3.2 (pg.43) and 3.4 (pg.45) given in the AMRUT Guidelines.

### 1.1 AMRUT Mission

**Atal Mission for Rejuvenation and Urban Transformation (AMRUT)** has been launched by the Ministry of Urban Development, Gol on 25th June 2015 with the purposes (a) to ensure that every household has access to a tap with assured supply of water and a sewerage connection; (b) to increase the amenity value of cities by developing greenery and well maintained open spaces (e.g. parks); and (c) to reduce pollution by switching to public transport or constructing facilities for non-motorized transport (e.g. walking and cycling).

AMRUT believes that the infrastructure creation should have a direct impact on the real needs of people, and hence, focus should be on infrastructure creation which has a direct link to provision of better services to people.

Besides, a sound institutional structure is the foundation to make Missions successful. Therefore, Capacity Building and a set of Reforms have been included in the Mission to enhance the transparency in services delivery by the ULBs through improving governance. Reforms will lead to improvement in service delivery, mobilization of resources and making municipal functioning more transparent and functionaries more accountable, while Capacity Building will empower municipal functionaries through augmenting their skills as well as knowledge and lead to timely completion of projects.

AMRUT also **actualising the spirit of cooperative federalism** through making States and ULBs equal partners in planning & implementation of projects, as the plans (Action Plans) have to be prepared every year and will be approved for a year, instead of project-by-project sanctions.

### 1.2 Thrust Areas & Components under Mission:

#### 1.2.1 Water Supply

- i. Water supply systems including augmentation of existing water supply, water treatment plants and universal metering.
- ii. Rehabilitation of old water supply systems, including treatment plants.
- iii. Rejuvenation of water bodies specifically for drinking water supply and recharging of ground water.



- iv. Special water supply arrangement for difficult areas, hill and coastal cities, including those having water quality problems (e.g. arsenic, fluoride).

### 1.2.2 Sewerage

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- i. Decentralised, networked underground sewerage systems, including augmentation of existing sewerage systems and sewage treatment plants.
- ii. Rehabilitation of old sewerage system and treatment plants. iii. Recycling of water for beneficial purposes and reuse of wastewater.  Septage
- iii. Faecal Sludge Management- cleaning, transportation and treatment in a cost-effective manner.
- iv. Mechanical and biological cleaning of sewers and septic tanks and recovery of operational cost in full.

### 1.2.3 Storm Water Drainage

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- i. Construction and improvement of drains and storm water drains in order to reduce and eliminate flooding.

### 1.2.4 Urban Transport

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- i. Ferry vessels for inland waterways (excluding port/bay infrastructure) and buses.
- ii. Footpaths/walkways, sidewalks, foot over-bridges and facilities for non-motorised transport (e.g. bicycles).
- iii. Multi-level parking.
- iv. Bus Rapid Transit System (BRTS).

### 1.2.5 Green space and parks

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- i. Development of green space and parks with special provision for child-friendly components.

### 1.2.6 Reforms management & support

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- i. Support structures, activities and funding support for reform implementation.
- ii. Independent Reform monitoring agencies.

### 1.2.7 Capacity Building

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- i. This has two components- individual and institutional capacity building.



### 1.3 Coverage under Mission:

MoUD, GoI, vide OMOM No.K-14012/95/2015-SC-II (part), 31 July, 2105, has notified the following 27 cities of Karnataka State for the implementation of AMRUT\*:

Category-I -26 Cities			Category-III - 1 City
Cities with a population of over one lakh			City classified as Heritage Cities by MoUD under the HRIDAY Scheme
1. Bellary	10. Gadag-Betageri	19. Robersonpet	1. Badami
2. Bidar	11. Bagalkote	20. Mangalore	
3. Gulbarga	12. Rannebennur	21. Mandya	
4. Gangavathy	13. Tumkur city	22. Mysore	
5. Raichur	14. Shimoga city	23. Hassan	
6. Hospet	15. Bhadravathi	24. Udupi	
7. Belgaum	16. Chitradurga	25. Chickamagalur	
8. Dharwad	17. Davanagere	26. Bangalore	
9. Bijapura	18. Kolar		

\*No cities/towns fall under Category-II, IV & V

Category	# of Cities
Category-I - Cities with a population of over one lakh	26
Category-II - Capital Cities	Nil
Category-III - City classified as Heritage Cities by MoUD under the HRIDAY Scheme	1
Category-IV - Cities and Towns on the stem of the main rivers	Nil
Category-V - Cities from hill states, islands and tourist destinations	Nil
<b>Total cities approved by MoUD</b>	<b>27</b>

### 1.4 Program Management & Implementation Structure

#### 1.4.1 National level:

##### ❖ Apex Committee (AC):

An Apex Committee (AC), chaired by the Secretary, MoUD and comprising representatives of related Ministries and organisations will approve the projects and supervise the Mission.

#### 1.4.2 State Level

##### ❖ State Level High Powered Committee (SHPS):

As mandated by the AMRUT Guidelines, Government of Karnataka has constituted **State Level High Powered Committee (SHPS)** under the Chairmanship of Chief Secretary, GoK vide Government Order No.UDD121css 2015, Dated 11.08.2015, Bangalore.

❖ **State Level Nodal Agency (SLNA)/PMU:**

Further, Government of Karnataka, vide Government Order No.UDD 121 css 2015, dated 11.08.2015, Bangalore has nominated **Directorate of Municipal Administration (DMA)** as State Level Nodal Agency (SLNA)/ PMU and **the Secretary (M& UDA)**, Urban Development Department, GoK as **the State Mission Director** for AMRUT.

SAAP has been evolved by the State based on the SLIPs prepared and submitted by the ULBs, for the identified projects with the Central Assistance (CA) allocated to the State during the remaining 3 years of mission period i.e. for 2017-18, 2018-19 & 2019-20. Projects for universal coverage of water supply and Sewerage facilities and Septage management are also identified.

With due diligence, SAAP has been approved (on file) by Chairman – SHPSC subject to condition that the same has to be placed before next SHPSC for ratification. **Resolution of SHPSC enclosed as Annexure 1.**

And, at the State Level, the mission is being monitored by the State Mission Director with support by the **State Mission Management Unit (SMMU) established under CCBP & now, realigned with AMRUT & Smart City Mission**, and, the **Programme Development & Management Consultants (PDMC)**, which has been appointed as per the Mission Guidelines.

### 1.4.3 City Level:

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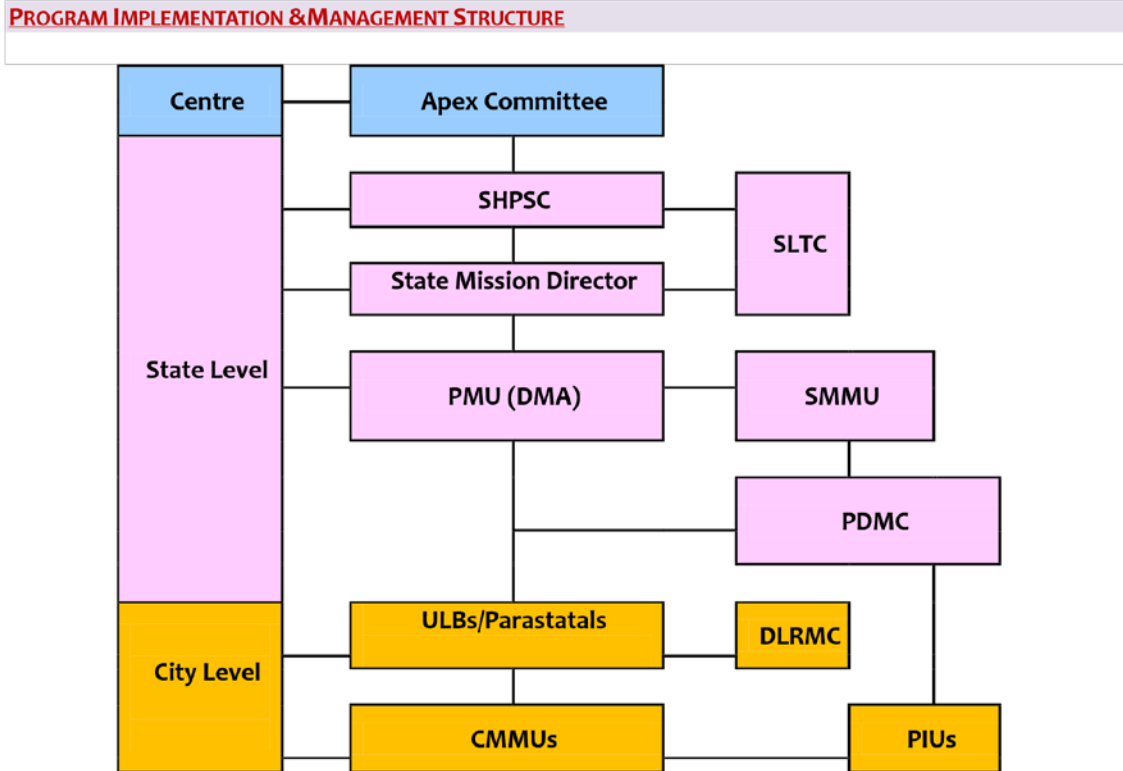
❖ Projects is being executed at City Level by the **ULBs, parastatal agencies** such as Karnataka Urban Water Supply and Drainage Board (**KUWS&DB**), Bangalore Water Supply & Sewerage Board(**BWSSB**) with the support of **City Mission Management Units (CMMUs) &Programme Implementation Units (PIUs).**

❖ **Independent Review and Monitoring Agency**

External/ Third Party Agency, **Independent Review and Monitoring Agency (IRMA)** is being appointed by MoUD to review the progress of projects and implementation of reforms, periodically.

❖ **District Level Review and Monitoring Committee**

**A District Level Review and Monitoring Committee (DLRMC)** will be constituted and Member(s) of Parliament will be the Co-chairperson with the District Collector. The DLRMC will monitor and review the implementation of the AMRUT projects.



**Figure.1.1. Program Implementation & management structure**

### 1.5 Duration of the Project:

Five (5) years from FY 2015-16 to FY 2019-20

### 1.6 Financial Allocation

Since the AMRUT is being operated as a Centrally Sponsored Scheme, the funds for the mission consists the following four parts:

- i. Project fund - 80% of the annual budgetary allocation.
- ii. Incentive for Reforms - 10% of the annual budgetary allocation.
- iii. State funds for Administrative & Office Expenses (A&OE) - 8% of the annual budgetary allocation
- iv. MoUD funds for Administrative & Office Expenses (A&OE) - 2% of the annual budgetary allocation.

### 1.7 Funding Pattern

- State Share for the Mission shall be not less than 20% for all the ULBs.
- ULB Share shall be 30% for all the ULBs, except Bangalore city.
- For Bangalore City, the ULB Share shall be 47%.
- 50 % share is sought from MoUD for all other ULBs, 33% for Bangalore city

## 1.8 Project Fund

Govt. of India, vide DO Leter No. K-14012/95/2015-AMRUT-I, dated 06.06.2016, has allocated Rs.954.90 crores to the State for entire balance three years of AMRUT and requested the State to submit the State Annual Action Plan for entire balance three years.

To avail this whole central assistance of Rs.954.90 crores, the SAAP for the entire balance three years has been prepared for Rs.2069.610 crores including State & ULB share of Rs. 413.922 & 700.784 respectively.

## 1.9 Fund Sharing Pattern for entire Mission

For the entire Mission (in Cr.)

Centre	State	ULBs	Total allocation
2318.79	990.57	1643.51	4952.87

For balance 3 years (2017-18, 2018-19 & 2019-20) (in Cr.)

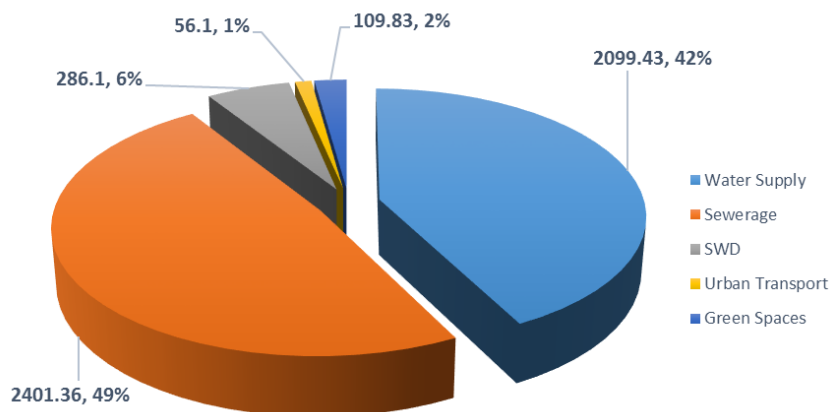
Centre	State	ULBs	Total allocation
954.904	413.922	700.784	2069.610

## 1.10 Total Sector Wise Project Fund Allocation

For the entire Mission

Sector	Amount (in Cr.)
1. Water Supply	2099.43
2. Sewerage	2401.36
3. SWD	286.10
4. Urban Transport	56.15
5. Green Spaces	109.83
<b>Total</b>	<b>4952.87</b>

**Sector Wise Fund Requirements (in Cr.)**



**1.11 Sector Wise Project Fund Allocation/Requirement for the Mission Period (2015-2020)**

Sectors	Yr-1	Yr-2	Balance three years (2017-18, 2018-19 & 2019-20)	Total (Rs. In cr.)
Water supply	551.54	726.44	821.450	2099.43
Sewerage (UGD)	612.65	727.24	1061.470	2401.36
Storm Water Drains	48.80	118.83	118.470	286.1
Green Space & Parks	27.65	35.23	46.950	109.83
Urban Transport	17.90	16.98	21.270	56.15
<b>Total</b>	<b>1258.54</b>	<b>1624.72</b>	<b>2069.610</b>	<b>4952.87</b>

**TABLE 1.1: BREAKUP OF TOTAL MOUD ALLOCATION IN AMRUT**

FY- 2017-18, 2018-19 & 2019-10  
(in Cr.)

Total Central Funds allocated to State (2017- 20)	Allocation of Central funds for A&OE (@8% of Total given in column 1)	Allocation of funds for AMRUT (Central share)	Project proposal Submitted - CA	*State /ULB share	Total AMRUT annual size (cols.2+4+5)
1	2	3	4	5	6
954.904	76.392	954.904	954.904	1114.706	2146.002

**TABLE 1.2.1: ABSTRACT-SECTOR WISE PROPOSED TOTAL PROJECT FUND AND SHARING PATTERN**

FY- 2017-18, 2018-19 & 2019-10  
(in Cr.)

SN	Sector	No. of Projects	Centre	State	ULB	Convergence	Others	Total
1	Water Supply	23	387.809	164.290	269.351	0.000	0.000	821.450
2	Sewerage and Septage Management	21	474.645	212.294	374.531	0.000	0.000	1061.470
3	Storm Water Drainage	11	59.235	23.694	35.541	0.000	0.000	118.470
4	Urban Transport	7	10.635	4.254	6.381	0.000	0.000	21.270
5	Green Spaces and Parks	27	22.580	9.390	14.980	0.000	9.000	46.950
6	Sub-Total	89	954.904	413.922	700.784	0.000	0.000	2069.610
7	Reforms	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Grand Total	89.000	954.904	413.922	700.784	0.000	0.000	2069.610

**TABLE 1.2.2: ABSTRACT-SECTOR WISE PROPOSED TOTAL PROJECT FUND AND SHARING PATTERN**

FY- 2017-18, 2018-19 & 2019-10  
(Rs. in Cr.)

SN	Sector	Centre	State			ULB			Convergence	Others	Total
		Mission	14th FC	Others	Total	14th FC	Others	Total			
1	Water Supply	387.809	0.000	164.290	164.290	0.000	269.351	269.351	0.000	0.000	<b>821.450</b>
2	Sewerage and Septage Management	474.645	0.000	212.294	212.294	0.000	374.531	374.531	0.000	0.000	<b>1061.470</b>
3	Storm Water Drainage	59.235	0.000	23.694	23.694	0.000	35.541	35.541	0.000	0.000	<b>118.470</b>
4	Urban Transport	10.635	0.000	4.254	4.254	0.000	6.381	6.381	0.000	0.000	<b>21.270</b>
5	Green Spaces and Parks	22.580	0.000	9.390	9.390	0.000	14.980	14.980	0.000	0.000	<b>46.950</b>
6	Reforms										<b>0.000</b>
7	Grand Total	<b>954.904</b>	<b>0.000</b>	<b>413.922</b>	<b>413.922</b>	<b>0.000</b>	<b>700.784</b>	<b>700.784</b>	<b>0.000</b>	<b>0.000</b>	<b>2069.610</b>



**TABLE 1.3: ABSTRACT-USE OF FUNDS ON PROJECTS: ON GOING AND NEW**

FY- 2017-18, 2018-19 & 2019-10  
(in Cr.)

SN	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
1	Water Supply	2099.43	629.33	0.00	255.64	255.64	0.00	393.01	393.01	339.05	0.00	139.98	139.98	0.00	220.79	220.79	678.09	0.00	279.95	279.95	0.00	441.57	441.57
2	Sewerage and Septage Management	2401.36	604.53	0.00	268.02	268.02	0.00	467.34	467.34	359.73	0.00	160.10	160.10	0.00	280.62	280.62	719.45	0.00	320.21	320.21	0.00	561.25	561.25
3	Storm Water Drainage	286.10	83.82	0.00	33.57	33.57	0.00	50.24	50.24	47.69	0.00	19.09	19.09	0.00	28.59	28.59	95.37	0.00	38.18	38.18	0.00	57.19	57.19
4	Urban Transport	56.15	17.44	0.00	7.02	7.02	0.00	10.42	10.42	9.36	0.00	3.76	3.76	0.00	5.60	5.60	18.72	0.00	7.52	7.52	0.00	11.20	11.20
5	Green Spaces and Parks	109.83	28.97	0.00	12.53	12.53	0.00	21.38	21.38	17.18	0.00	7.31	7.31	0.00	12.12	12.12	34.37	0.00	14.61	14.61	0.00	24.24	24.24
6	<b>Grand Total</b>	<b>4952.87</b>	<b>1364.09</b>	<b>0.00</b>	<b>576.78</b>	<b>576.78</b>	<b>0.00</b>	<b>942.39</b>	<b>942.39</b>	<b>773.00</b>	<b>0.00</b>	<b>330.23</b>	<b>330.23</b>	<b>0.00</b>	<b>547.72</b>	<b>547.72</b>	<b>1546.00</b>	<b>0.00</b>	<b>660.47</b>	<b>660.47</b>	<b>0.00</b>	<b>1095.45</b>	<b>1095.45</b>

**TABLE 1.4: ABSTRACT-PLAN FOR ACHIEVING SERVICE LEVEL BENCHMARKS**

FY- 2017-18, 2018-19 & 2019-10

Proposed Priority Projects	Total Project Cost	Indicator	Unit	Benchmark	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)				
						FY 2017		FY 2018	FY 2019	FY 2020
						H1	H2			
Water Supply	821.45	1. Household level coverage of direct water supply connections	%	100	54.74	58.59	68.5	80.91	86.91	93.18
		2. Per capita quantum of water supplied (LPCD)	LPCD	135	91.68	91.73	97.77	108.27	120.23	126.69
		3. Quality of water supplied	%	100	82.22	89.14	92.32	97.82	99.55	99.55
Sewerage and Septage Management	1061.47	4. Coverage of latrines (individual or community)	%	100	75.11	79.85	82.33	85.38	88.29	100
		5. Coverage of sewerage network services	%	100	45.15	48.45	55.36	67.57	80.05	86.95
		6. Efficiency of Collection of Sewerage	%	100	37.51	42.25	51.19	70.29	79.33	87.33
		7. Efficiency in treatment	%	100	39.95	44.01	50.86	73.33	85.1	92.95
Storm Water Drainage	118.47	8. Coverage of storm water drainage network	%	100	22.59	23.44	29.81	36.71	44.41	50.93
Urban Transport	21.27	9. Service coverage of urban transport in the City	LOS	0.3 - 07	4.94	5.91	11.2	14.74	19.02	19.01
		10. Availability of urban transport per 1000 population	LOS	<.2	0.44	0.44	0.44	0.44	0.44	0.44
Green Spaces and Parks	46.95	11. Per person park area (in sqm.)	Sq.M	10-12	0.26	2.17	2.25	2.27	2.32	2.37
<b>Total</b>	<b>2069.61</b>									

**TABLE 3.2: CONSOLIDATED INVESTMENTS FOR ALL ULBS IN THE STATE**

FY- 2017-18, 2018-19 & 2019-10

(in Cr.)

SN	Name of ULB	Water Supply	Sewerage and Septage Management	Storm Water Drainage	Urban Transport	Green Spaces and Parks	Reforms	Total
1	2	3	4	5	6	7	8	9
1	Badami	0	0	0	0	0	Part of A&OE Cost	0
2	Bagalkote	15.18	4.01	0.91	0.91	1.23		22.24
3	Bangalore	137.47	336.47	0	0	5.37		479.31
4	Belgaum CC	19.59	37.36	0	0	1.96		58.91
5	Bellary CC	10.85	42.48	0	0	0.19		53.52
6	Bhadravathi	17.97	23.57	11.74	0	2.65		55.93
7	Bidar	5.9	80.13	0	0	0.86		86.89
8	Bijapura CC	46.99	0	0	0	1.96		48.95
9	Chickamagalur	44.16	3	10.75	0	0.96		58.87
10	Chitradurga	33.7	6.6	13.11	0	1.27		54.68
11	Davanagere	49.34	0	0	0	1.69		51.03
12	Dharwad CC	16.76	3.84	0	0	1.46		22.06
13	Gadag-Betageri	7	29.9	10	5.98	11.81		64.69
14	Gangavathy	17.4	31.09	10.28	5.14	1.23		65.14
15	Gulbarga CC	0	56.87	0	0	1.47		58.34
16	Hassan	41.92	0	0	0	0.73		42.65
17	Hospet	2.22	66.86	2.69	2.46	1.46		75.69
18	Kolar	15.26	39.48	8.84	0	0.54		64.12
19	Mandya	48.18	6.41	0	0	0.73		55.32
20	Mangalore CC	0	172.75	3.91	0	0.59		177.25
21	Mysore CC	58.78	0	0	0	2.73		61.51
22	Raichur	-10.05	47.46	0	0	1.47		38.88
23	Rannebennur	29.5	0	0	0	1.1		30.6
24	Robersonpet	42.92	11.85	4.57	2.37	1.21		62.92
25	Shimoga CC	2.74	30.4	41.67	0	1.46		76.27
26	Tumkur CC	59.42	11.52	0	4.41	0.46		75.81
27	Udupi	108.25	19.42	0	0	0.36		128.03
<b>Total Project Investments</b>								<b>2069.61</b>
<b>A&amp;OE</b>								<b>146.68</b>
<b>Grand Total</b>								<b>2216.29</b>

**TABLE 3.4: YEAR WISE SHARE OF INVESTMENTS FOR ALL SECTORS (ULB WISE)**

FY- 2017-18, 2018-19 & 2019-10  
(in Cr.)

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
1	Badami	35.13	17.57	0.00	7.03	7.03	0.00	10.54	10.54	5.86	0.00	2.34	2.34	0.00	3.51	3.51	11.71	0.00	4.68	4.68	0.00	7.03	7.03
2	Bagalkote	114.43	46.10	0.00	18.44	18.44	0.00	27.66	27.66	19.07	0.00	7.63	7.63	0.00	11.44	11.44	38.14	0.00	15.26	15.26	0.00	22.89	22.89
3	Bangalore	939.17	153.38	0.00	91.98	91.98	0.00	214.50	214.50	104.38	0.00	62.61	62.61	0.00	146.06	146.06	208.75	0.00	125.23	125.23	0.00	292.13	292.13
4	Belgaum CC	179.59	60.34	0.00	24.14	24.14	0.00	36.20	36.20	29.93	0.00	11.97	11.97	0.00	17.96	17.96	59.86	0.00	23.95	23.95	0.00	35.92	35.92
5	Bellary CC	180.69	63.59	0.00	25.43	25.43	0.00	38.15	38.15	30.12	0.00	12.05	12.05	0.00	18.07	18.07	60.23	0.00	24.09	24.09	0.00	36.14	36.14
6	Bhadravathi	153.03	48.55	0.00	19.42	19.42	0.00	29.13	29.13	25.51	0.00	10.20	10.20	0.00	15.30	15.30	51.01	0.00	20.40	20.40	0.00	30.61	30.61
7	Bidar	176.99	45.05	0.00	18.02	18.02	0.00	27.03	27.03	29.50	0.00	11.80	11.80	0.00	17.70	17.70	59.00	0.00	23.60	23.60	0.00	35.40	35.40
8	Bijapura CC	181.98	66.52	0.00	26.61	26.61	0.00	39.91	39.91	30.33	0.00	12.13	12.13	0.00	18.20	18.20	60.66	0.00	24.26	24.26	0.00	36.40	36.40
9	Chickamagalur	119.32	30.23	0.00	12.09	12.09	0.00	18.14	18.14	19.89	0.00	7.95	7.95	0.00	11.93	11.93	39.77	0.00	15.91	15.91	0.00	23.86	23.86
10	Chitradurga	140.57	42.95	0.00	17.18	17.18	0.00	25.77	25.77	23.43	0.00	9.37	9.37	0.00	14.06	14.06	46.86	0.00	18.74	18.74	0.00	28.11	28.11
11	Davanagere	179.96	64.47	0.00	25.79	25.79	0.00	38.68	38.68	29.99	0.00	12.00	12.00	0.00	18.00	18.00	59.99	0.00	23.99	23.99	0.00	35.99	35.99
12	Dharwad CC	176.76	77.35	0.00	30.94	30.94	0.00	46.41	46.41	29.46	0.00	11.78	11.78	0.00	17.68	17.68	58.92	0.00	23.57	23.57	0.00	35.35	35.35
13	Gadag-Betageri	188.89	62.10	0.00	24.84	24.84	0.00	37.26	37.26	31.48	0.00	12.59	12.59	0.00	18.89	18.89	62.96	0.00	25.19	25.19	0.00	37.78	37.78
14	Gangavathy	110.78	22.82	0.00	9.13	9.13	0.00	13.69	13.69	18.46	0.00	7.39	7.39	0.00	11.08	11.08	36.93	0.00	14.77	14.77	0.00	22.16	22.16
15	Gulbarga CC	172.37	57.02	0.00	22.81	22.81	0.00	34.21	34.21	28.73	0.00	11.49	11.49	0.00	17.24	17.24	57.46	0.00	22.98	22.98	0.00	34.47	34.47
16	Hassan	142.28	49.82	0.00	19.93	19.93	0.00	29.89	29.89	23.71	0.00	9.49	9.49	0.00	14.23	14.23	47.43	0.00	18.97	18.97	0.00	28.46	28.46

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
17	Hospet	175.64	49.98	0.00	19.99	19.99	0.00	29.99	29.99	29.27	0.00	11.71	11.71	0.00	17.56	17.56	58.55	0.00	23.42	23.42	0.00	35.13	35.13
18	Kolar	138.37	37.13	0.00	14.85	14.85	0.00	22.28	22.28	23.06	0.00	9.22	9.22	0.00	13.84	13.84	46.12	0.00	18.45	18.45	0.00	27.67	27.67
19	Mandya	138.90	41.79	0.00	16.72	16.72	0.00	25.07	25.07	23.15	0.00	9.26	9.26	0.00	13.89	13.89	46.30	0.00	18.52	18.52	0.00	27.78	27.78
20	Mangalore CC	185.52	4.14	0.00	1.65	1.65	0.00	2.48	2.48	30.92	0.00	12.37	12.37	0.00	18.55	18.55	61.84	0.00	24.74	24.74	0.00	37.10	37.10
21	Mysore CC	189.94	64.22	0.00	25.69	25.69	0.00	38.53	38.53	31.66	0.00	12.66	12.66	0.00	18.99	18.99	63.31	0.00	25.33	25.33	0.00	37.99	37.99
22	Raichur	176.42	68.77	0.00	27.51	27.51	0.00	41.26	41.26	29.40	0.00	11.76	11.76	0.00	17.64	17.64	58.81	0.00	23.52	23.52	0.00	35.28	35.28
23	Rannebennur	118.60	44.00	0.00	17.60	17.60	0.00	26.40	26.40	19.77	0.00	7.91	7.91	0.00	11.86	11.86	39.53	0.00	15.81	15.81	0.00	23.72	23.72
24	Robersonpet	145.26	41.17	0.00	16.47	16.47	0.00	24.70	24.70	24.21	0.00	9.68	9.68	0.00	14.53	14.53	48.42	0.00	19.37	19.37	0.00	29.05	29.05
25	Shimoga CC	180.82	52.28	0.00	20.91	20.91	0.00	31.37	31.37	30.14	0.00	12.05	12.05	0.00	18.08	18.08	60.27	0.00	24.11	24.11	0.00	36.16	36.16
26	Tumkur CC	178.93	51.56	0.00	20.62	20.62	0.00	30.94	30.94	29.82	0.00	11.93	11.93	0.00	17.89	17.89	59.64	0.00	23.86	23.86	0.00	35.79	35.79
27	Udupi	132.53	2.25	0.00	0.90	0.90	0.00	1.35	1.35	22.09	0.00	8.84	8.84	0.00	13.25	13.25	44.18	0.00	17.67	17.67	0.00	26.51	26.51
<b>Grand Total</b>		<b>4952.87</b>	<b>1365.08</b>	0.00	576.66	576.66	0.00	941.52	941.52	<b>773.33</b>	0.00	330.19	330.19	0.00	547.43	547.43	<b>1546.65</b>	0.00	660.39	660.39	0.00	1094.87	1094.87

## Chapter 2: Review of SAAP

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.

### 2.1 Project Progress

In this section the physical and financial progress is reviewed. Please complete the following table and respond to the questions.

#### Water Supply:

(In Cr.)

SN	City name	Project name	Amount (in Cr.)	DPR (Y/N)	SLTC (Y/N)	Work Order (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (Gol + Gok)
							Physical (%)	Financial (%)	
1	Badami	Water supply to Badami	6.70	Y	Y	Y	-	-	0.938
2	Bagalkote	Water supply to Bagalkote	44.75	Y	Y	Y	-	-	6.265
3	Bangalore	Water Supply to Bangalore	29.32	Y	Y	Y	-	-	3.127
4	Bellary CC	Water Supply to Bellary CC	23.15	Y	Y	Y	-	-	3.241
5	Bhadravathi	Water Supply to Bhadravathi	20.06	Y	Y	Y	-	-	2.808
6	Bidar	Water Supply to Bidar	14.94	Y	Y	Y	-	-	2.092
7	Bijapura	Water Supply to Bijapura	70.99	Y	Y	Y	-	-	9.939
8	Chickamagaluru	Water Supply to Chickamgalur	34.41	Y	Y	Y	-	-	4.817
9	Chitradurga	Water Supply to Chitradurga	46.30	Y	Y	Y	-	-	6.482
10	Davanagere CC	Water Supply to Davanagere	75.62	N	N	N	-	-	10.587
11	Gangavathy	Water Supply to Gangavathy	6.10	Y	Y	Y	-	-	0.854
12	Hassan	Water Supply to Hassan	66.36	Y	Y	Y	-	-	9.290
13	Hospet	Water Supply to Hospet	27.78	Y	Y	Y	-	-	3.889

SN	City name	Project name	Amount (in Cr.)	DPR (Y/N)	SLTC (Y/N)	Work Order (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (Gol + Gok)
							Physical (%)	Financial (%)	
14	Kolar	Water Supply to Kolar	4.63	Y	Y	Y	-	-	0.648
15	Mandya	Water Supply to Mandya	47.22	Y	Y	Y	-	-	6.611
16	Mysore CC	Water Supply to Mysore CC	77.16	Y	Y	Y	-	-	10.802
17	Raichur	Water Supply to Raichur	28.55	Y	Y	Y	-	-	3.997
18	Ranebennur	Water Supply to Ranebennur	61.73	Y	Y	Y	-	-	8.642
19	Robersonpet	Water Supply to Robertsonpet	23.15	Y	Y	Y	-	-	3.241
20	Shimoga CC	Water Supply to Shimoga CC	9.26	Y	Y	Y	-	-	1.296
21	Tumkur CC	Water Supply to Tumkur CC	7.72	Y	Y	Y	-	-	1.081
22	Udupi	Water Supply to Udupi	0.54	N	N	N	-	-	0.076
		<b>Total</b>	<b>726.44</b>	<b>20 (Y)</b>	<b>20 (Y)</b>	<b>20 (Y)</b>	<b>-</b>	<b>-</b>	<b>100.724</b>



**Sewerage & Septage Management:**

(in Cr.)

SN	Name of the ULB	Project Name	Amount	DPR (Y/N)	SLTC (Y/N)	Work Order DPR (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (Gol + Gok)
							Physical (%)	Financial (%)	
1	Badami	UGD to Badami	16.98	Y	Y	Y	-	-	2.377
2	Bagalkote	UGD to Bagalkote	8.49	Y	Y	Y	-	-	1.189
3	Bangalore	UGD to Bangalore	208.33	Y	Y	Y	-	-	22.220
4	Belgaum CC	UGD to Belgaum	58.64	Y	Y	Y	-	-	8.210
5	Bellary CC	UGD to Bellary	29.71	Y	Y	Y	-	-	4.159
6	Bhadravathi	UGD to Bhadravathi	15.43	Y	Y	Y	-	-	2.160
7	Bidar	UGD to Bidar	30.86	Y	Y	Y	-	-	4.320
8	Dharwad CC	UGD to Dharwad CC	77.16	Y	Y	Y	-	-	10.802
9	Gadag-Betageri	UGD to Gadag-Betageri	77.16	Y	Y	Y	-	-	10.802
10	Gangavathy	UGD to Gangavathy	11.34	Y	Y	Y	-	-	1.588
11	Gulbarga CC	UGD to Gulbarga CC	46.30	Y	Y	Y	-	-	6.482
12	Hospet	UGD to Hospet	27.78	Y	Y	Y	-	-	3.889
13	Kolar	UGD to Kolar	18.52	Y	Y	Y	-	-	2.593
14	Mandya	UGD to Mandya	0.77	Y	Y	Y	-	-	0.433
15	Mysore CC	Mysore CC	0.00	Y	Y	Y	-	-	0.000
16	Raichur	UGD to Raichur	30.86	Y	Y	Y	-	-	4.320
17	Robersonpet	UGD to Robersonpet	23.15	Y	Y	Y	-	-	3.241
18	Shimoga CC	UGD to Shimoga CC	21.60	Y	Y	Y	-	-	3.024
19	Tumkur CC	UGD to Tumkur CC	17.75	Y	Y	Y	-	-	2.485
		<b>Total</b>	<b>727.24</b>	<b>19 (Y)</b>	<b>19 (Y)</b>	<b>19 (Y)</b>	<b>-</b>	<b>-</b>	<b>94.867</b>

Storm Water Drainage:

(in Cr.)

SN	Name of the ULB	Project Name	Amount	DPR (Y/N)	SLTC (Y/N)	Work Order DPR (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (GoI + Gok)
							Physical (%)	Financial (%)	
1	Badami	Storm Water Drain to Badami	1.54	N	N	N	-	-	0.216
2	Bagalkote	Storm Water Drain to Bagalkote	3.09	N	N	N	-	-	0.433
3	Bhadravathi	Storm Water Drain to Bhadravathi	9.26	N	N	N	-	-	1.296
4	Chitradurga	Storm Water Drain to Chitradurga	3.86	Y	N	N	-	-	0.540
5	Gangavathy	Storm Water Drain to Gangavathy	7.72	N	N	N	-	-	1.081
6	Hospet	Storm Water Drain to Hospet	2.31	N	N	N	-	-	0.323
7	Kolar	Storm Water Drain to Kolar	30.86	N	N	N	-	-	4.320
8	Mandya	Storm Water Drain to Mandya	3.09	N	N	N	-	-	0.433
9	Robersonpet	Storm Water Drain to Robertsonpet	15.43	N	N	N	-	-	2.160
10	Shimoga CC	Storm Water Drain to Shimoga CC	23.15	Y	N	N	-	-	3.241
11	Tumkur CC	Storm Water Drain to Tumkur CC	18.52	N	N	N	-	-	2.593
<b>Total</b>			<b>118.83</b>	<b>2 (Y)</b>	<b>0 (Y)</b>	<b>0 (Y)</b>			<b>16.636</b>

Urban Transport:

(in Cr.)

S N	Name of the ULB	Project Name	Amount	DPR (Y/N)	SLTC (Y/N)	Work Order DPR (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (GoI + Gok)
							Physical (%)	Financial (%)	
1	Badami	Urban Transport to Badami Town	0.77	N	N	N	-	-	0.108
2	Bagalkote	Urban Transport to Bagalkote City	3.09	N	N	N	-	-	0.433
3	Gangavathy	Urban Transport to Gangavathi City	3.86	N	N	N	-	-	0.540
4	Hospet	Urban Transport to Hospet City	1.54	N	N	N	-	-	0.216
5	Robersonpet	Urban Transport to Robertsonpet City	4.63	N	N	N	-	-	0.648
6	Tumkur CC	Urban Transport to Tumkur City	3.09	Y	N	N	-	-	0.433
<b>Total</b>			<b>16.98</b>	<b>1 (Y)</b>	<b>0 (Y)</b>	<b>0 (Y)</b>			<b>2.377</b>

Green Spaces and Parks:

(in Cr.)

SN	Name of the ULB	Project Name	Amount	DPR (Y/N)	SLTC (Y/N)	Work Order DPR (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (GoI + Gok)
							Physical (%)	Financial (%)	
1	Badami	Green Spaces and Parks to Badami City	0.39	N	N	N	-	-	0.055
2	Bagalkote	Green Spaces and Parks to Bagalkote City	0.77	N	N	N	-	-	0.108
3	Bangalore	Green Spaces and Parks to Bangalore City	4.63	N	N	N	-	-	0.494
4	Belgaum CC	Green Spaces and Parks to Belgaum City	1.54	N	N	N	-	-	0.216
5	Bellary CC	Green Spaces and Parks to Bellary City	1.16	Y	Y	N	-	-	0.162
6	Bhadravathi	Green Spaces and Parks to Bhadravathi City	0.85	Y	N	N	-	-	0.119
7	Bidar	Green Spaces and Parks to Bidar City	1.54	N	N	N	-	-	0.216
8	Bijapura CC	Green Spaces and Parks to Bijapura City	1.54	Y	Y	N	-	-	0.216
9	Chickamagalur	Green Spaces and Parks to Chickamagalur City	1.54	N	N	N	-	-	0.216
10	Chitradurga	Green Spaces and Parks to Chitradurga City	1.23	N	N	N	-	-	0.172
11	Davanagere	Green Spaces and Parks to Davanagere City	2.31	Y	Y	N	-	-	0.323
12	Dharwad CC	Green Spaces and Parks to Dharwad City	1.54	N	N	N	-	-	0.216
13	Gadag-Betageri	Green Spaces and Parks to Gadag Betageri City	1.54	N	N	N	-	-	0.216
14	Gangavathy	Green Spaces and Parks to Gangavathy City	0.77	N	N	N	-	-	0.108
15	Gulbarga CC	Green Spaces and Parks to Gulbarga City	0.93	N	N	N	-	-	0.130
16	Hassan	Green Spaces and Parks to Hassan City	0.77	N	N	N	-	-	0.108
17	Hospet	Green Spaces and Parks to Hospet City	1.54	N	N	N	-	-	0.216
18	Kolar	Green Spaces and Parks to Kolar City	1.54	N	N	N	-	-	0.216
19	Mandya	Green Spaces and Parks to Mandya	1.16	Y	N	N	-	-	0.108

SN	Name of the ULB	Project Name	Amount	DPR (Y/N)	SLTC (Y/N)	Work Order DPR (Y/N)	Implementation Progress		1 <sup>st</sup> Instalment released to ULBs (GoI + Gok)
							Physical (%)	Financial (%)	
20	Mangalore CC	Green Spaces and Parks to Mangalore	0.77	N	N	N	-	-	0.162
21	Mysore CC	Green Spaces and Parks to Mysore City	0.77	N	N	N	-	-	0.108
22	Raichur	Green Spaces and Parks to Raichur City	0.93	Y	Y	N	-	-	0.130
23	Rannebennur	Green Spaces and Parks to Rannebennur City	0.77	Y	Y	N	-	-	0.108
24	Robersonpet	Green Spaces and Parks to Robertsonpet City	1.23	Y	Y	N	-	-	0.172
25	Shimoga CC	Green Spaces and Parks to Shimoga City	1.54	Y	N	N	-	-	0.216
26	Tumkur CC	Green Spaces and Parks to Tumkur City	1.54	Y	Y	N	-	-	0.216
27	Udupi	Green Spaces and Parks to Udupi City	0.39	Y	Y	N	-	-	0.055
<b>Total</b>			<b>35.23</b>	<b>11</b>	<b>8</b>	<b>0</b>			<b>4.778</b>

- **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)**

**Status of the DPRs approved for the year 2015-16:**

- 79 projects worth of Rs.3029.67 Cr have been approved by SHPSC, and, out of which 36 projects worth of Rs. 2314.93 Crs. have been tendered & awarded the works. Remaining projects are in various stages of tendering.

**Status of the projects approved for the year 2016-17:**

- Projects under Water Supply and UGD sectors have been approved by the SLTC for the entire mission period.
- Total 14 projects have been prepared i.e. 2 for SWD, 1 for UT & 11 for Green Spaces and Parks of which only 8 projects of Green Spaces & Parks have been approved amounting to Rs.9.87 crore by the 4th SLTC held on 4.11.2016.
- ULBs and Implementing Agencies are instructed to prepare the DPRs for the projects approved for the year 2016-17. Preparation of DPRs is under process.

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

– Status of DPRs prepared in 2015-16 and 2016-17 is as follows:

WSS	UGD	SWD	UT	Parks	Total DPRs Approved
20	18	12	7	37	94

- ULBs have prepared DPRs of all projects which were approved in 2015-16 under mentioned five sectors.
- Further to this, DPRs for WS & UGD sector has been prepared and approved by SHPSC for the whole mission period i.e. 38 DPRs and they are under various stages of tendering. Out of which 31 contracts have already been awarded.
- For the remaining DPRs, all ULBs as well as implementing agency has strictly been instructed to submit the DPRs prepared in 2015-16 & 2016-17. Similarly, actions are being taken by ULBs to prepare all DPRs proposed for the balance mission period by taking technical assistance from the newly appointed Project Development & Management Consultant (PDMC) team for their respective towns. It is expected that all pending DPRs will be prepared and submitted by end of February 2017.

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

- 4 SLTC meetings have been held in the State with approval of total 187 projects (wherein 40 projects of WSS & UGD are repeated projects which was already approved under old mission period).

## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

SN	SLTC Meetings	WSS	UGD	SWD	UT	Parks	Total DPRs Approved
1	4 SLTC meetings have been convened	20	18	12	7	37	94

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

– Status of DPRs prepared in 2015-16 and 2016-17 is as follows:

WSS	UGD	SWD	UT	Parks	Total DPRs Approved
20	18	12	7	37	94

- ULBs have prepared DPRs of all projects which were approved in 2015-16 under mentioned five sectors.
- Further to this, DPRs for WS & UGD sector has been prepared and approved by SHPSC for the whole mission period i.e. 38 DPRs and they are under various stages of tendering. Out of which 31 contracts have already been awarded.
- For the remaining DPRs, all ULBs as well as implementing agency has strictly been instructed to submit the DPRs prepared in 2015-16 & 2016-17. Similarly, actions are being taken by ULBs to prepare all DPRs proposed for the balance mission period by taking technical assistance from the newly appointed Project Development & Management Consultant (PDMC) team for their respective towns. It is expected that all pending DPRs will be prepared and submitted by end of March 2017.
- **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)**
  - Projects of WSS & UGD have been approved for whole mission period and execution for the same has already been started. Physical & Financial progress will be achieved as per the revised timelines stipulated in the current SAAP. The State will save on the time for approval of DPRs for WSS & UGD as the same has already been prepared and sanctioned for the entire mission period.
  - DPRs for SWD, UT and Green Spaces & Parks are being prepared by the concerned ULBs for the FY 20-16-17 and for remaining mission period. DPRs prepared for 2015-16 are already under various stages of tender.
  - 79 projects worth of Rs.3029.67 Cr have been approved by SHPSC, and, out of which 36 projects worth of Rs. 2314.93 Crs. have been tendered & awarded the works. Remaining projects are in various stages of tendering.
- **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? (tabular form and 500 words)**



## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

- GoI has released the 1<sup>st</sup> instalment (20%) of Central Assistance i.e., Rs.272.78 cr. to the State for FY 2015-16 & 2016-17. The State has also released its share as 1<sup>st</sup> instalment to the ULBs as follows:

(in Cr.)

Releases	GoI share released to GoK, further to SLNA	GoK share released to SLNA	Total	Remarks
20% against SAAP 2015-16	118.46	50.34	168.80	SLNA has further released the same to implementing agencies and ULBs
20% against SAAP 2016-17	154.32	64.99	219.31	SLNA has released Rs.23.95 crores to the ULBs. Remaining amount will be released to the Implementing agencies upon the receipt of utilization certificate and progress report by the ULBs for earlier releases
<b>Total</b>	<b>272.78</b>	<b>115.33</b>	<b>388.11</b>	

### Amount released by SLNA to ULBs in FY 2016-17:

(in Cr.)

SN	Name of the ULBs	Amount approved for Green Spaces and Parks FY 2016-17	Amount approved for Storm Water Drains FY 2016-17	Amount approved for Urban Transport FY 2016-17	Total	1 <sup>st</sup> instalment Releases made FY 2016-17 (20%)		
						GoI	GoK	Total
1	2	3	4	5	6	7	8	9
<b>Bangalore Division</b>								
1	Bangalore	4.63	0	0	4.63	0.31	0.19	0.49
2	Tumkuru	1.54	18.52	3.09	23.15	2.32	0.93	3.24
3	Shimoga	1.54	23.15		24.69	2.47	0.99	3.46
4	Davanagere	2.31			2.31	0.23	0.09	0.32
5	Chitradurga	1.23	3.86		5.09	0.51	0.20	0.71
6	Kolar	1.54	30.86		32.4	3.24	1.30	4.54
7	Robersonpet	1.23	15.43	4.63	21.29	2.13	0.85	2.98
8	Bhadravathi	0.85	9.26		10.11	1.01	0.40	1.42
<b>Mysore Division</b>								
9	Mysore	0.77			0.77	0.08	0.03	0.11
10	Mangalore	1.16	3.09		4.25	0.43	0.17	0.60
11	Mandya	0.77			0.77	0.08	0.03	0.11
12	Hassan	0.77			0.77	0.08	0.03	0.11
13	Udupi	0.39			0.39	0.04	0.02	0.05
14	Chikamagalur	1.54			1.54	0.15	0.06	0.22
<b>Gulbarga Division</b>								
15	Ballari	1.16	-	-	1.16	0.12	0.05	0.16
16	Gulbarga	0.93	-	-	0.93	0.09	0.04	0.13
17	Bidar	1.54	-	-	1.54	0.15	0.06	0.22

## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

SN	Name of the ULBs	Amount approved for Green Spaces and Parks FY 2016-17	Amount approved for Storm Water Drains FY 2016-17	Amount approved for Urban Transport FY 2016-17	Total	1 <sup>st</sup> instalment Releases made FY 2016-17 (20%)		
						GoI	GoK	Total
18	Gangavathi	0.77	7.72	3.86	12.35	1.24	0.49	1.73
19	Raichur	0.93	-	-	0.93	0.09	0.04	0.13
20	Hospete	1.54	2.31	1.54	5.39	0.54	0.22	0.75
<b>Belagavi Division</b>								
21	Belagavi	1.54	-	-	1.54	0.15	0.06	0.22
22	Hubli-Dharwad	1.54	-	-	1.54	0.15	0.06	0.22
23	Vijayapura	1.54	-	-	1.54	0.15	0.06	0.22
24	Gadag-Betageri	1.54	-	-	1.54	0.15	0.06	0.22
25	Bagalkote	0.77	3.09	3.09	6.95	0.70	0.28	0.97
26	Ranebennur	0.77	-	-	0.77	0.08	0.03	0.11
27	Badami	0.39	1.54	0.77	2.7	0.27	0.11	0.38
	<b>Total</b>	<b>35.23</b>	<b>118.83</b>	<b>16.98</b>	<b>171.04</b>	<b>17.10</b>	<b>6.84</b>	<b>23.95</b>

- The approved projects are getting grounded, tenders have been floated. Utilization of the funds will be submitted separately.
- There are some deviations in the project wherein funds for SWD projects have been reallocated to WSS as SHPSC felt the priority of WSS more as compared to SWD in 4 towns.
- **List out the projects where release of funds to ULBs by the State was delayed?**
  - No such projects.
- **In how many ULBs implementation was done by agencies other than ULBs? Was a resolution taken from all ULBs? (tabular and 200 words)**

State has decided and designated the following parastatal/agencies for implementation of water supply and UGD projects under AMRUT on behalf of ULBs:

- (1) BWSSB, a SPV established by an Act for water supply and sanitation functions for Bangalore City.
- (2) KUWS&DB – SPV for water supply and sanitation functions in all the ULBs, except Bangalore, in Karnataka.
- (3) KUIDFC, a financial intermediary organization, implementing urban infrastructure projects with the assistance of externally aided/funding sources.
- All the above said organizations are under control of Urban Development Department, Government of Karnataka.
- Resolutions from the ULBs for the above are obtained by the Parastatals/Implementing Agencies.

## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

- 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? (tabular and 200 words)

- There are savings under some of the tenders floated. Details of the same is provided below. Amount of all such savings will be utilized in the balance period of SAAP.

SN	Name of the Project & City	Project Cost (In Cr.)			Tender premium for project cost	
		Project cost approved under AMRUT	Amount put to tender	Lowest Bid Amount	Amount	%
<b>Details of the Water Supply projects tendered under AMRUT by KUWS&amp;DB:</b>						
1	Water Supply Scheme to Hospet	52	51.39	50.82	0.57	1.11% below
<b>Details of the Sewerage (UGD) projects tendered under AMRUT by KUWS&amp;DB:</b>						
2	UGD scheme to Kolara	73	68.69	68.41	0.28	0.41 %below
3	UGD scheme to Hospet	91	90.83	88.75	2.08	2.29% below
<b>Water Supply To Bangalore Under AMRUT –BWSSB</b>						
4	WS of Bangalore	45.33	52.29	46.13	6.16	(-) 15.03
	<b>Total</b>				<b>11.74</b>	

- List out the number of city-wise projects where the second and third instalments were claimed. (Tabular form).
  - Second and Third instalments yet to be claimed because IRMA reports are compulsory to claim 2<sup>nd</sup> & 3<sup>rd</sup> instalments.
- List out the city-wise completed projects. Was the targeted benchmark achieved? Explain the reasons for non-achievement (tabular form and 400 words)
  - None of the projects are completed.
- List out the details of projects taken up in PPP model. Describe the type of PPP (tabular; 300 words)
  - Nil
- 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)

The following out-of-the-box initiatives/Smart Solutions are proposed to take up under AMRUT:

- 17,500 Smart Metering in 8 ULBs.
- Sewerage Treatment Plant (STP) for treating and recycling of waste water in 3 ULBs.
- Storm water drain proposed for reduction of floods
- For Pedestrians safety and ease of traffic in Tumkur city:

- Cycle tracks, footpaths , skywalks & parking

## 2.2 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.

Total Project Cost	Indicator*	Unit	Benchmark	Baseline (%)	Annual Targets based on Master Plan (Increment from the Baseline Value)					
					FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
					H1	H2				
<b>Water Supply</b>										
2099.43	Household level coverage of direct water supply connections	%	100	54.74	-	58.59	68.50	80.91	86.91	93.18
	Per capita quantum of water supplied	LPCD	135	91.68	-	91.73	97.77	108.27	120.23	126.69
	Quality of water supplied	%	100	82.22	-	89.14	92.32	97.82	99.55	99.55
<b>Sewerage and Septage Management</b>										
2401.36	Coverage of latrines (individual or community)	%	100	75.11	-	79.85	82.33	85.38	88.29	100.00
	Coverage of sewerage network services	%	100	45.15	-	48.45	55.36	67.57	80.05	86.95
	Efficiency of Collection of Sewerage	%	100	37.51	-	42.25	51.19	70.29	79.33	87.33
	Efficiency in treatment	%	100	39.95	-	44.01	50.86	73.33	85.10	92.95
<b>Storm water drainage</b>										
286.10	Coverage of storm water drainage network	%	100	22.59	-	23.44	29.81	36.71	44.41	50.93
<b>Urban Transport</b>										
56.15	Service coverage of urban transport in the city	LOS	0.3 - 07	4.94	-	5.91	11.20	14.74	19.02	19.01
	Availability of urban transport per 1000 population	LOS	<.2	0.44	-	0.44	0.44	0.44	0.44	0.44
<b>Others Green spaces and parks</b>										
109.83	per person park area(in sqm)	Sq.M	10-12	0.26	-	2.17	2.25	2.27	2.32	2.37
4952.87										

**Sector: WATER SUPPLY**

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	SAAP Mission target (%age)	For the Last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current year
Badami	Household level coverage of direct water supply connections	60	100	60	60
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	80	100	80	80
Bagalkote	Household level coverage of direct water supply connections	70	100	70	70
	Per capita quantum of water supplied	83	100	83	83
	Quality of water supplied	90	100	90	90
Bangalore	Household level coverage of direct water supply connections	72	100	72	72
	Per capita quantum of water supplied	94	100	94	94
	Quality of water supplied	100	100	100	100
Belgaum CC	Household level coverage of direct water supply connections	52.35	100	52.35	52.35
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	100	100	100	100
Bellary CC	Household level coverage of direct water supply connections	71	100	71	71
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	90	100	90	90
Bhadravathi	Household level coverage of direct water supply connections	40	100	40	40
	Per capita quantum of water supplied	136	100	100	100
	Quality of water supplied	90	100	90	90
Bidar	Household level coverage of direct water supply connections	24	100	24	24
	Per capita quantum of water supplied	80	100	80	80
	Quality of water supplied	73	100	73	73
Bijapura	Household level coverage of direct water supply connections	69.14	100	69.14	69.14
	Per capita quantum of water supplied	93.34	100	93.34	93.34
	Quality of water supplied	80.11	100	80.11	80.11
Chickamagaluru	Household level coverage of direct water supply connections	18	100	18	18
	Per capita quantum of water supplied	60	100	60	60
	Quality of water supplied	90	100	90	90
Chitradurga	Household level coverage of direct water supply connections	67	100	67	67

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	SAAP Mission target (%age)	For the Last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current year
	Per capita quantum of water supplied	85	100	85	85
	Quality of water supplied	90	100	90	90
Davanagere CC	Household level coverage of direct water supply connections	40	100	40	40
	Per capita quantum of water supplied	100	100	100	100
Dharwad CC	Quality of water supplied	80	100	80	80
	Household level coverage of direct water supply connections	85.19	100	85.19	85.19
	Per capita quantum of water supplied	100	100	100	100
Gadag-Betageri	Quality of water supplied	95.85	100	95.85	95.85
	Household level coverage of direct water supply connections	35.5	100	35.5	35.5
Gangavathy	Per capita quantum of water supplied	50	100	50	50
	Quality of water supplied	100	100	100	100
	Household level coverage of direct water supply connections	27	100	27	27
Gulbarga CC	Per capita quantum of water supplied	75	100	75	75
	Quality of water supplied	80	100	80	80
	Household level coverage of direct water supply connections	52	100	52	52
Hassan	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	85	100	85	85
	Household level coverage of direct water supply connections	50	100	50	50
Hospet	Per capita quantum of water supplied	40	100	40	40
	Quality of water supplied	100	100	100	100
	Household level coverage of direct water supply connections	70	100	70	70
Kolar	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	83	100	83	83
	Household level coverage of direct water supply connections	33	100	33	33
Mangalore CC	Per capita quantum of water supplied	46	100	46	46
	Quality of water supplied	60	100	60	60
	Household level coverage of direct water supply connections	66	100	66	66
Mandya	Per capita quantum of water supplied	100	100	100	100
	Household level coverage of direct water supply connections	87	100	87	87
	Per capita quantum of water supplied	70	100	70	70

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	SAAP Mission target (%)	For the Last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current year
	Quality of water supplied	100	100	100	100
Mysore CC	Household level coverage of direct water supply connections	71	100	71	71
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	100	100	100	100
Raichur	Household level coverage of direct water supply connections	36	100	36	36
	Per capita quantum of water supplied	76	100	76	76
	Quality of water supplied	80	100	80	80
Rannebennur	Household level coverage of direct water supply connections	60.83	100	60.83	60.83
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	90	100	90	90
Robersonpet	Household level coverage of direct water supply connections	30	100	30	30
	Per capita quantum of water supplied	35	100	35	35
	Quality of water supplied	60	100	60	60
Shimoga CC	Household level coverage of direct water supply connections	85	100	85	85
	Per capita quantum of water supplied	97	100	97	97
	Quality of water supplied	97	100	97	97
Tumkur CC	Household level coverage of direct water supply connections	47	100	47	47
	Per capita quantum of water supplied	86	100	86	86
	Quality of water supplied	88	100	88	88
Udupi	Household level coverage of direct water supply connections	59	100	59	59
	Per capita quantum of water supplied	100	100	100	100
	Quality of water supplied	100	100	100	100

**Note:** Implementation of most of the projects have recently been started thus the baseline remains the same as on date.

Indicator	Unit	Benchmark
Household level coverage of direct water supply connections	%	100
Per capita quantum of water supplied	LPCD	135
Quality of water supplied	%	100



**Sector: SEWERAGE AND SEPTAGE MANAGEMENT**

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	Mission target (%age)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Badami	Coverage of latrines (individual or community)	80	100	80	80
	Coverage of sewerage network services	85	100	85	85
	Efficiency of Collection of Sewerage	60	100	60	60
	Efficiency in treatment	90	100	90	90
Bagalkote	Coverage of latrines (individual or community)	94	100	94	94
	Coverage of sewerage network services	57	100	57	57
	Efficiency of Collection of Sewerage	50	100	50	50
	Efficiency in treatment	70	100	70	70
Bangalore	Coverage of latrines (individual or community)	15	100	15	15
	Coverage of sewerage network services	66.33	100	66.33	66.33
	Efficiency of Collection of Sewerage	50.34	100	50.34	50.34
	Efficiency in treatment	62.59	100	62.59	62.59
Belgaum CC	Coverage of latrines (individual or community)	93.5	100	93.5	93.5
	Coverage of sewerage network services	53	100	53	53
	Efficiency of Collection of Sewerage	60	100	60	60
	Efficiency in treatment	0	100	0	0
Bellary CC	Coverage of latrines (individual or community)	77.7	100	77.7	77.7
	Coverage of sewerage network services	80.9	100	80.9	80.9
	Efficiency of Collection of Sewerage	90.9	100	90.9	90.9
	Efficiency in treatment	90	100	90	90
Bhadravathi	Coverage of latrines (individual or community)	87.04	100	87.04	87.04
	Coverage of sewerage network services	43.28	100	43.28	43.28
	Efficiency of Collection of Sewerage	28.43	100	28.43	28.43
	Efficiency in treatment	28.76	100	28.76	28.76
Bidar	Coverage of latrines (individual or community)	53	100	53	53
	Coverage of sewerage network services	0	100	0	0
	Efficiency of Collection of Sewerage	0	100	0	0
	Efficiency in treatment	0	100	0	0
Bijapura	Coverage of latrines (individual or community)	78.8	100	78.8	78.8



Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	Mission target (%age)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
	Coverage of sewerage network services	65	100	65	65
	Efficiency of Collection of Sewerage	58.24	100	58.24	58.24
	Efficiency in treatment	57.45	100	57.45	57.45
Chickamagaluru	Coverage of latrines (individual or community)	95	100	95	95
	Coverage of sewerage network services	35	100	35	35
	Efficiency of Collection of Sewerage	35	100	35	35
	Efficiency in treatment	35	100	35	35
Chitradurga	Coverage of latrines (individual or community)	80	100	80	80
	Coverage of sewerage network services	18	100	18	18
	Efficiency of Collection of Sewerage	8	100	8	8
	Efficiency in treatment	0	100	0	0
Davanagere CC	Coverage of latrines (individual or community)	80	100	80	80
	Coverage of sewerage network services	70	100	70	70
	Efficiency of Collection of Sewerage	60	100	60	60
	Efficiency in treatment	0	100	0	0
Dharwad CC	Coverage of latrines (individual or community)	65.85	100	65.85	65.85
	Coverage of sewerage network services	45.15	100	45.15	45.15
	Efficiency of Collection of Sewerage	45.94	100	45.94	45.94
	Efficiency in treatment	58.64	100	58.64	58.64
Gadag-Betageri	Coverage of latrines (individual or community)	63.6	100	63.6	63.6
	Coverage of sewerage network services	0	100	0	0
	Efficiency of Collection of Sewerage	0	100	0	0
	Efficiency in treatment	0	100	0	0
Gangavathy	Coverage of latrines (individual or community)	75	100	75	75
	Coverage of sewerage network services	22	100	22	22
	Efficiency of Collection of Sewerage	22	100	22	22
	Efficiency in treatment	34	100	34	34
Gulbarga CC	Coverage of latrines (individual or community)	15	100	15	15
	Coverage of sewerage network services	45	100	45	45
	Efficiency of Collection of Sewerage	36	100	36	36
	Efficiency in treatment	34.05	100	34.05	34.05
Hassan	Coverage of latrines (individual or community)	100	100	100	100

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	Mission target (%age)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
	Coverage of sewerage network services	94	100	94	94
	Efficiency of Collection of Sewerage	80	100	80	80
	Efficiency in treatment	100	100	100	100
Hospet	Coverage of latrines (individual or community)	15	100	15	15
	Coverage of sewerage network services	45	100	45	45
	Efficiency of Collection of Sewerage	36	100	36	36
	Efficiency in treatment	0	100	0	0
Kolar	Coverage of latrines (individual or community)	84.09	100	84.09	84.09
	Coverage of sewerage network services	34.22	100	34.22	34.22
	Efficiency of Collection of Sewerage	23.86	100	23.86	23.86
	Efficiency in treatment	34.05	100	34.05	34.05
Mangalore CC	Coverage of latrines (individual or community)	15	100	15	15
	Coverage of sewerage network services	45	100	45	45
	Efficiency of Collection of Sewerage	36	100	36	36
	Efficiency in treatment	59	100	59	59
Mandya	Coverage of latrines (individual or community)	80	100	80	80
	Coverage of sewerage network services	72	100	72	72
	Efficiency of Collection of Sewerage	84	100	84	84
	Efficiency in treatment	63	100	63	63
Mysore CC	Coverage of latrines (individual or community)	97	100	97	97
	Coverage of sewerage network services	60	100	60	60
	Efficiency of Collection of Sewerage	70	100	70	70
	Efficiency in treatment	100	100	100	100
Raichur	Coverage of latrines (individual or community)	100	100	100	100
	Coverage of sewerage network services	35	100	35	35
	Efficiency of Collection of Sewerage	24	100	24	24
	Efficiency in treatment	59	100	59	59
Rannebennur	Coverage of latrines (individual or community)	67.98	100	67.98	67.98
	Coverage of sewerage network services	14.61	100	14.61	14.61
	Efficiency of Collection of Sewerage	0	100	0	0
	Efficiency in treatment	0	100	0	0

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	Mission target (%age)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Robersonpet	Coverage of latrines (individual or community)	58	100	58	58
	Coverage of sewerage network services	18	100	18	18
	Efficiency of Collection of Sewerage	18	100	18	18
	Efficiency in treatment	5	100	5	5
Shimoga CC	Coverage of latrines (individual or community)	80	100	80	80
	Coverage of sewerage network services	43.28	100	43.28	43.28
	Efficiency of Collection of Sewerage	0	100	0	0
	Efficiency in treatment	0	100	0	0
Tumkur CC	Coverage of latrines (individual or community)	98.33	100	98.33	98.33
	Coverage of sewerage network services	43.28	100	43.28	43.28
	Efficiency of Collection of Sewerage	18	100	18	18
	Efficiency in treatment	49	100	49	49
Udupi	Coverage of latrines (individual or community)	96	100	96	96
	Coverage of sewerage network services	29	100	29	29
	Efficiency of Collection of Sewerage	18	100	18	18
	Efficiency in treatment	49	100	49	49

**Note:** Implementation of most of the projects have recently been started thus the baseline remains the same as on date.

Indicator	Unit	Benchmark
Coverage of latrines (individual or community)	%	100
Coverage of sewerage network services	%	100
Efficiency of Collection of Sewerage	%	100
Efficiency in treatment	%	100

**Sector: STORM WATER DRAINS**

Name of the City	Performance Indicator	Baseline* (as of Jan 2017)	SAAP Mission target (%age)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Badami	Coverage of storm water drainage network	25	100	25	25
Bagalkote	Coverage of storm water drainage network	78	100	78	78
Bangalore	Coverage of storm water drainage network	8.24	100	8.24	8.24
Belgaum CC	Coverage of storm water drainage network	44.91	100	44.91	44.91
Bellary CC	Coverage of storm water drainage network	43.33	100	43.33	43.33
Bhadravathi	Coverage of storm water drainage network	1.13	100	1.13	1.13
Bidar	Coverage of storm water drainage network	57.53	100	57.53	57.53
Bijapura	Coverage of storm water drainage network	15	100	15	15
Chickamagaluru	Coverage of storm water drainage network	13.58	100	13.58	13.58
Chitradurga	Coverage of storm water drainage network	17.3	100	17.3	17.3
Davanagere CC	Coverage of storm water drainage network	25	100	25	25
Dharwad CC	Coverage of storm water drainage network	49	100	49	49
Gadag-Betageri	Coverage of storm water drainage network	36	100	36	36
Gangavathy	Coverage of storm water drainage network	0.59	100	0.59	0.59
Gulbarga CC	Coverage of storm water drainage network	4.8	100	4.8	4.8
Hassan	Coverage of storm water drainage network	60	100	60	60
Hospet	Coverage of storm water drainage network	50	100	50	50
Kolar	Coverage of storm water drainage network	22.22	100	22.22	22.22
Mangalore CC	Coverage of storm water drainage network	4.8	100	4.8	4.8
Mandya	Coverage of storm water drainage network	81.9	100	81.9	81.9
Mysore CC	Coverage of storm water drainage network	10	100	10	10
Raichur	Coverage of storm water drainage network	5.5	100	5.5	5.5
Rannebennur	Coverage of storm water drainage network	60	100	60	60
Robersonpet	Coverage of storm water drainage network	78.43	100	78.43	78.43
Shimoga CC	Coverage of storm water drainage network	28.66	100	28.66	28.66
Tumkur CC	Coverage of storm water drainage network	12	100	12	12
Udupi	Coverage of storm water drainage network	10	100	10	10

**Note:** Implementation of most of the projects have recently been started thus the baseline remains the same as on date.

Indicator	Unit	Benchmark
Coverage of storm water drainage network	%	100

**Sector: GREEN SPACES AND PARKS**

Name of the City	Performance Indicator	Baseline (in sqmtr) (As on Jan 2017)	SAAP Mission target	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Badami	Per person park area(in sqm)	2.97	10-12 sq mtr	2.97	2.97
Bagalkote	Per person park area(in sqm)	1.32	10-12 sq mtr	1.32	1.32
Bangalore	Per person park area(in sqm)	0.39	10-12 sq mtr	0.39	0.39
Belgaum CC	Per person park area(in sqm)	2.23	10-12 sq mtr	2.23	2.23
Bellary CC	Per person park area(in sqm)	2.64	10-12 sq mtr	2.64	2.64
Bhadravathi	Per person park area(in sqm)	1.56	10-12 sq mtr	1.56	1.56
Bidar	Per person park area(in sqm)	1.27	10-12 sq mtr	1.27	1.27
Bijapura	Per person park area(in sqm)	1.64	10-12 sq mtr	1.64	1.64
Chickamagaluru	Per person park area(in sqm)	1.66	10-12 sq mtr	1.66	1.66
Chitradurga	Per person park area(in sqm)	1.38	10-12 sq mtr	1.38	1.38
Davanagere CC	Per person park area(in sqm)	1.96	10-12 sq mtr	1.96	1.96
Dharwad CC	Per person park area(in sqm)	5.6	10-12 sq mtr	5.6	5.6
Gadag-Betageri	Per person park area(in sqm)	3.012	10-12 sq mtr	3.012	3.012
Gangavathy	Per person park area(in sqm)	0.05	10-12 sq mtr	0.05	0.05
Gulbarga CC	Per person park area(in sqm)	0.29	10-12 sq mtr	0.29	0.29
Hassan	Per person park area(in sqm)	2.73	10-12 sq mtr	2.73	2.73
Hospet	Per person park area(in sqm)	0.6	10-12 sq mtr	0.6	0.6
Kolar	Per person park area(in sqm)	0.134	10-12 sq mtr	0.134	0.134
Mangalore CC	Per person park area(in sqm)	0.29	10-12 sq mtr	0.29	0.29
Mandya	Per person park area(in sqm)	2.06	10-12 sq mtr	2.06	2.06
Mysore CC	Per person park area(in sqm)	0.25	10-12 sq mtr	0.25	0.25
Raichur	Per person park area(in sqm)	4.18	10-12 sq mtr	4.18	4.18
Rannebennur	Per person park area(in sqm)	0.79	10-12 sq mtr	0.79	0.79
Robersonpet	Per person park area(in sqm)	0.203	10-12 sq mtr	0.203	0.203
Shimoga CC	Per person park area(in sqm)	0.48	10-12 sq mtr	0.48	0.48
Tumkur CC	Per person park area(in sqm)	5.8	10-12 sq mtr	5.8	5.8
Udupi	Per person park area(in sqm)	0.123	10-12 sq mtr	0.123	0.123

**Note:** Implementation of most of the projects have recently been started thus the baseline remains the same as on date.

Indicator	Unit	Benchmark
Per person park area(in sqm)	Sq.M	10-12

**Sector: URBAN TRANSPORT**

Name of the City	Performance Indicator	Baseline (LOS) (as of Jan 2017)	Mission target (LOS)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Badami	Service coverage of urban transport in the city	0.7	>=1	0.7	0.7
	Availability of urban transport per 1000 population	0.06	>=0.60	0.06	0.06
Bagalkote	Service coverage of urban transport in the city	1.76	>=1	1.76	1.76
	Availability of urban transport per 1000 population	0.16	>=0.60	0.16	0.16
Bangalore	Service coverage of urban transport in the city	0.005	>=1	0.005	0.005
	Availability of urban transport per 1000 population	1.72	>=0.60	1.72	1.72
Belgaum	Service coverage of urban transport in the city	0.63	>=1	0.63	0.63
	Availability of urban transport per 1000 population	0.28	>=0.60	0.28	0.28
Bellary	Service coverage of urban transport in the city	2.19	>=1	2.19	2.19
	Availability of urban transport per 1000 population	0.1	>=0.60	0.1	0.1
Bhadravathi	Service coverage of urban transport in the city	1.44	>=1	1.44	1.44
	Availability of urban transport per 1000 population	0.01	>=0.60	0.01	0.01
Bidar	Service coverage of urban transport in the city	0.06	>=1	0.06	0.06
	Availability of urban transport per 1000 population	0.13	>=0.60	0.13	0.13
Bijapura	Service coverage of urban transport in the city	1.5	>=1	1.5	1.5
	Availability of urban transport per 1000 population	0.23	>=0.60	0.23	0.23
Chickamagaluru	Service coverage of urban transport in the city	1.26	>=1	1.26	1.26
	Availability of urban transport per 1000 population	0.00012	>=0.60	0.00012	0.00012
Chitradurga	Service coverage of urban transport in the city	0.00046	>=1	0.00046	0.00046
	Availability of urban transport per 1000 population	0	>=0.60	0	0
Davanagere	Service coverage of urban transport in the city	14.68	>=1	14.68	14.68
	Availability of urban transport per 1000 population	0.00012	>=0.60	0.00012	0.00012
Dharwad	Service coverage of urban transport in the city	3	>=1	3	3
	Availability of urban transport per 1000 population	4	>=0.60	4	4
Gadag-Betageri	Service coverage of urban transport in the city	56	>=1	56	56
	Availability of urban transport per 1000 population	0.0001	>=0.60	0.0001	0.0001
Gangavathy	Service coverage of urban transport in the city	11.6	>=1	11.6	11.6
	Availability of urban transport per 1000 population	0.2	>=0.60	0.2	0.2
Gulbarga	Service coverage of urban transport in the city	0.32	>=1	0.32	0.32
	Availability of urban transport per 1000 population	0.24	>=0.60	0.24	0.24

Name of the City	Performance Indicator	Baseline (LOS) (as of Jan 2017)	Mission target (LOS)	For the last Financial Year	
				Target up to beginning of current FY	Achievement up to beginning of current
Hassan	Service coverage of urban transport in the city	3	>=1	3	3
	Availability of urban transport per 1000 population	3	>=0.60	3	3
Hospet	Service coverage of urban transport in the city	0.32	>=1	0.32	0.32
	Availability of urban transport per 1000 population	0.24	>=0.60	0.24	0.24
Kolar	Service coverage of urban transport in the city	0.62	>=1	0.62	0.62
	Availability of urban transport per 1000 population	0.144	>=0.60	0.144	0.144
Mandya	Service coverage of urban transport in the city	17.58	>=1	17.58	17.58
	Availability of urban transport per 1000 population	0.000079	>=0.60	0.000079	0.000079
Mangalore	Service coverage of urban transport in the city	0.32	>=1	0.32	0.32
	Availability of urban transport per 1000 population	0.24	>=0.60	0.24	0.24
Mysore	Service coverage of urban transport in the city	0.64	>=1	0.64	0.64
	Availability of urban transport per 1000 population	0.4	>=0.60	0.4	0.4
Raichur	Service coverage of urban transport in the city	0.42	>=1	0.42	0.42
	Availability of urban transport per 1000 population	0.14	>=0.60	0.14	0.14
Rannebennur	Service coverage of urban transport in the city	0.14	>=1	0.14	0.14
	Availability of urban transport per 1000 population	0.018	>=0.60	0.018	0.018
Robersonpet	Service coverage of urban transport in the city	3.48	>=1	3.48	3.48
	Availability of urban transport per 1000 population	0	>=0.60	0	0
Shimoga	Service coverage of urban transport in the city	0.626	>=1	0.626	0.626
	Availability of urban transport per 1000 population	0.195	>=0.60	0.195	0.195
Tumkur	Service coverage of urban transport in the city	0.6	>=1	0.6	0.6
	Availability of urban transport per 1000 population	0.14	>=0.60	0.14	0.14
Udupi	Service coverage of urban transport in the city	0.6	>=1	0.6	0.6
	Availability of urban transport per 1000 population	0.14	>=0.60	0.14	0.14

**Note:** Implementation of most of the projects have recently been started thus the baseline remains the same as on date.

Indicator	Unit	Benchmark
Service coverage of urban transport in the city	LOS	0.3 - 07
Availability of urban transport per 1000 population	LOS	<.2

- 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)

SN	Name of ULB	WS*	UGD*	SWD		UT		Parks	
				15-16	16-17	15-16	16-17	15-16	16-17
1	Badami	Yes	Yes	Yes	Not Prepared	Not Planned	Not Prepared	Yes	Yes
2	Bagalkote	Yes	Yes	Yes	Not Prepared	Yes	Not Prepared	Yes	Not Prepared
3	Bangalore	Yes	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Prepared but rejected	Not Prepared
4	Belgaum CC	Not Planned	Yes	Not Planned	Not Prepared	Not Planned	Not Planned	Yes	Not Prepared
5	Bellary CC	Yes	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Yes
6	Bhadravathi	Yes	Yes	Yes	Not Prepared	Not Planned	Not Planned	Yes	Not Prepared
7	Bidar	Yes	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
8	Bijapura CC	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Yes
9	Chickamagalur	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
10	Chitradurga	Yes	Not Planned	Yes	Yes	Not Planned	Not Planned	Yes	Not Prepared
11	Davanagere	Not Planned	Earlier Planned but now fully merged with WS	Not Planned	Merged with the WS Scheme	Not Planned	Not Planned	Yes	Yes
12	Dharwad CC	Planning for next 3 years	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
13	Gadag-Betageri	Not Planned	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
14	Gangavathy	Yes	Yes	Yes	Not Prepared	Yes	Not Prepared	Yes	Not Prepared
15	Gulbarga CC	Not Planned	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
16	Hassan	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
17	Hospet	Yes	Yes	Yes	Not Prepared	Yes	Not Prepared	Yes	Not Prepared
18	Kolar	Yes	Yes	Yes	Not Prepared	Yes	Not Planned	Yes	Not Prepared
19	Mandya	Yes	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Yes
20	Mangalore CC	Not Yet Prepared	Not Planned	Not Planned	Not Prepared	Not Planned	Not Planned	Yes	Not Prepared
21	Mysore CC	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Not Prepared
22	Raichur	Yes	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Yes
23	Rannebennur	Yes	Not Planned	Not Planned	Not Planned	Not Planned	Not Planned	Yes	Yes



SN	Name of ULB	WS*	UGD*	SWD		UT		Parks	
				15-16	16-17	15-16	16-17	15-16	16-17
24	Robersonpet	Yes	Yes	Yes	Not Prepared	Yes	Not Prepared	Yes	Yes
25	Shimoga CC	Yes	Yes	Yes	Yes	Not Planned	Not Planned	Yes	Yes
26	Tumkur CC	Yes	Yes	Yes	Not Prepared	Yes	Yes	Yes	Yes
27	Udupi	Not Yet Prepared	Not Planned	Not Planned	Not Prepared	Not Planned	Not Planned	Yes	Yes

\* DPRs of WS & UGDs have been prepared for entire mission period.

- ULBs have prepared DPRs of all projects which was approved in 2015-16 under mentioned five sectors.
  - Further to this, DPRs for WS & UGD sector has been prepared and approved by SHPSC for the whole mission period i.e. 38 DPRs and they are under various stages of tendering. Out of which 31 contracts have already been awarded.
  - For the remaining DPRs, all ULBs as well as implementing agency has strictly been instructed to submit the DPRs prepared in 2015-16 & 2016-17. Similarly, actions are being taken by ULBs to prepare all DPRs proposed for the balance mission period by taking technical assistance from the newly appointed Project Development & Management Consultant (PDMC) team for their respective towns. It is expected that all pending DPRs will be prepared and submitted by end of February 2017.
- **What are the status of the ongoing DPR preparation and the plan of action for the pending DPRs? (300 words)**

SN	Components	No. of Projects	DPRs prepared	Approved by SLTC	Work Order
1	Water Supply	22	20	20	20
2	Sewerage (UGD)	19	19	19	19
3	Storm Water Drains	11	11	0	0
4	Green Spaces and Parks	27	11	8	0
5	Urban Transport	6	1	0	0

## 2.3 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.

- **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 (300 words)**

SN	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
1	27 AMRUT Cities	Urban Stakeholders (ToT)	30	27 ULBs	27 ULBs	State Institute for Urban Development (SIUD)
		Elected Representatives	486	486	157	
		Administration Department	2430	1944	979	
		Finance Department				
		Engineering and Public Health Dept.				
		Town Planning Department				
<b>Total</b>			<b>2916</b>	<b>2430</b>	<b>1136</b>	-

Trainings were conducted in various batches on following subjects/ sectors:

- Finance & Revenue
- Engineering & Public Health
- Town Planning
- Administration
- Sensitization Program for ERPs

- **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? (tabular; 300 words)**

The training institute i.e. State Institute for Urban Development (SIUD) has been partnered with to impart trainings for the remaining mission period.

- **What is the status of utilization of funds? (250 words).**
  - As per GoI OM No.K-14012/101(6)/2015-SCM-III-V, dt.17.3.2016, the financial assistance for individual capacity building programmes will be given by World Bank through CBUD programme of the MoUD.
  - CBUD funds have not yet been released under AMRUT.

- A Memorandum of Understanding (MoU) between SIUD & State Mission Directorate, as per MoUD guidelines & format, has been signed on 21st April 2016 and a copy of the same has been submitted to GoI by SIUD.
- Funds are directly being released to SIUD which is the training partner for the AMRUT in Karnataka. Utilization Certificates (UCs) are directly being sent to MoUD by the training institute.

- **Have the participants visited best practice sites? Give details (350 words)**

Yes. Exposure visits to show best practices are integral part of training modules designed by SIUD and being given to GoK & ULB officials including elected representative.

- **Have the participants attended any national/international workshops, as per guideline (Annexure 7)? (350 words)**

Yes. There are several programs / workshops have been conducted at National level under AMRUT by MOUD and officials from GoK have attended/ participated in the same e.g. (i) Launching of AMRUT & Smart City Missions, (ii) Workshops on utilization of A&OE, (iii) Workshop on e-Governance etc.

- **What is the plan of action for the pending activities, if any? (400 words)**

SIUD has been directed by SHPSC to prepare Action plans for the remaining mission period and expedite implementation of the same. Accordingly, Actions are initiated to cover training programmes planned for the year 2016-17 in the current year.

## 2.4 Reforms for 2016-17

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 per cent Reforms for that year. Some of the criteria to be considered while doing the assessment are as follows:

SN	Reforms Type	Milestones	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
1	E-Governance	<b>1. Coverage with E-MAAS (from the date of hosting the software)</b> <ul style="list-style-type: none"> <li>- Registration of Birth, Death and Marriage,</li> <li>- Water &amp; Sewerage Charges,</li> <li>- Grievance Redressal,</li> <li>- Property Tax,</li> <li>- Advertisement tax</li> <li>- Issuance of Licenses,</li> <li>- Building Permissions,</li> <li>- Mutations,</li> <li>- Payroll,</li> <li>- Pension and e-procurement</li> </ul>	27	27	27	-
2	Constitution and professionalization of municipal cadre	<b>2. Establishment</b> of municipal cadre.	27	27	27	-
		<b>3. Cadre linked training</b>	27	27	27	-
3	Augmenting double entry accounting	<b>4. Appointment of internal auditor.</b>	27	27	27	-
		<b>5. Publication of annual financial statement on website</b>	27	27	27	-
4	Urban Planning and City Development Plans	<b>6. Develop at least one Children Park every year in the AMRUT cities.</b>				
		<b>7. Make a State Level policy for implementing the parameters given in the National Mission for Sustainable Habitat</b>	27	27	27	-
5	Devolution of funds and functions	<b>8. Implementation of SFC recommendations within timeline.</b>	27	27	27	-

SN	Reforms Type	Milestones	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
6	Review of Building by-laws	9. 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	27	27	27	-
		10. State to formulate a policy and action plan for having Rainwater harvesting structures in all commercial, public buildings and new buildings on plots of 300 sq. meters and above	27	27	27	-
7	Establish and operationalize financial intermediary- pool finance, access external funds, float municipal bonds	11. Establish and operationalize financial intermediary- pool finance, access external funds, float municipal bonds.	27	27	27	-
8	Credit Rating	12. Complete the credit ratings of the ULBs.	--	--	--	27
9	Energy and Water audit	13. Give incentives for green buildings (e.g. rebate in property tax or charges connected to building permission/development charges).	-	-	-	27

- **Have the Reform formats prescribed by the TCPO furnished?**

Yes. The Reform formats prescribed by the TCPO furnished vide DMA letter No. 12410 DMA 22 DEVT 2015-16, dated 22.12.2015.

- **Did the State as a whole complete 70 percent of Reforms? If, yes was the incentive claimed? (100 words)**

Yes. The State as a whole has completed more than 70% of Reforms committed for the year 2016-17. Please refer the Reforms tables 3.3. Incentives are being claimed through SAAP FY 2017-18, 2018-19 & 2019-20.

- **What was the amount of incentive claimed? How was it distributed among the ULBs and what was it used for? (tabular; 300 words)**

The incentive has to be claimed is Rs 162.472 Cr. (10% of Rs.1624.72 Cr. the annual budget approved for the year 2016-17). An incentive for 2016-17 is being claimed amounting 10% of the central share allocated to the State.

State is proposing to utilize the Reform incentive amount for ULBs share in project fund and distribution of reforms incentives will be made based on the scores achieved by the ULBs in implementation of reforms under AMRUT.

- **What is the status of Reforms to be completed in the Mission period? Has advance action been taken and a Plan of Action prepared? (500 words)**

Road Map/Status for the Reforms to be implemented under AMRUT is enclosed and same is also submitted to the TCPO, New Delhi.

Many of the Reforms, as envisaged under AMRUT, are implemented in Karnataka. e.g. Innovative programme of digital inclusion through PPP mode, High Speed internet facility, **Coverage with E-MAAS** (Registration of birth, Death & marriage, Water Charges, Sewerage Charges, Grievance Redressal, Property tax, Advertisement tax, Issuance of Licenses, Building permission), Personnel Management System, e-Procurement, Establishment of municipal cadre, Cadre linked training, Establish Urban Development Authorities, Implementation of SFC recommendations within timeline, Establish and operationalize financial intermediary- pool finance, access external funds, float municipal bonds etc.,

1) Energy Audit – all 27 ULBs have been instructed to conduct Energy audit in streetlights in 6 months' time. All the ESCOMs (energy supplying companies of GoK) have been requested to undertake the energy audit on behalf of ULBs and submit the audit reports.

2) Water Audit –

– SLIPs, in Water Supply sector, under AMRUT have been evolved based on the assessments of water losses and non-revenue of Water

– Hence, the process of Water Audit has been taken care in the AMRUT city/Towns

– BWSSSB has done Water Audit for Bangalore

3) Urban Mapping Cell, established on February 2008 by Government of Karnataka, to undertake Urban Mapping in all the ULBs of Karnataka.

- 4) A list of officials has been created to prepare the proposal on reviewing building byelaws, streamlining change in land use etc.
- 5) Policy on green building is in the draft stage and consultation is in with various stakeholders.
- 6) Credit rating of various ULBs has been initiated by KUIDFC.
- 7) Under Swachha Bharath Mission – Solid Waste Management projects are being approved. Out of 9000 MT of waste generated, 3000 MT are already handled in ULBs. Projects for meeting additional 3000 MT capacity has been approved in 2015-16 and it is planned to approve projects for handling remaining 3000 MT in the current year.

- **Give any instances of innovation in Reform implementation. (300 words)**

Citizen centric application like NIRMAN, VYPAAR, Jananidhi, Janahita etc have been introduced and there by facilitating the public by avoiding them to follow-up desk to desk. The public will be given an acknowledgement for receipt of their application and within the stipulated time, decision will be taken on their application as per rules. Some of the series have been integrated to Karnataka Guarantee of Services to citizens Act, too.

## 2.5 Use of A&OE

- **What are the items for which the A&OE has been used? (tabular; 250 words)**
  - The amount for A&OE allocated to the State FY 2015-16 is Rs.18.85 Cr of which only Rs. 6.75 Crore has been received as advance for preparation of SLIP & SAAP and for capacity building components.
  - Hence, it is requested to kindly release the A&OE allocation for the State at the earliest.
  - However, the following activities were proposed in SAAP 2017-20 under A&OE component:

SN	Items proposed for A&OE	Amount estimated
1	Preparation of SLIP, SAAP and DPR	6.75
2	PDMC	107.87
3	Procuring Third Party IRMA	0.00
4	Publications (e-Newsletter, guidelines, brochures etc.)	0.50
5	Capacity Building Activities under AMRUT	
	5a. Training Needs Assessment (TNA)	0.00
	5b. Trainings under AMRUT- Staff/Functionaries & Elected Representatives of ULBs	0.00
	5c. Workshops, Seminars etc under AMRUT	0.22
	5d. Research studies and documentation	4.05
	5e. Preparation of Information Education and Communication (IEC) materials (Rs.5 Laks per ULB X 27 ULBs)	4.05
	5f. Exposure Visit	3.00
6	Reform implementation	2.23
7	<b>Others</b>	
	7a. Establishment Cost of State MMU/SRPMC	1.18
	7b. Establishment Cost of City MMUs	10.49
	7c. Supporting Cost includes local travel and Stationery for SMMU	0.59
	7d. Supporting Cost includes local travel and Stationery for CMMUs	5.54
<b>Total</b>		<b>146.68</b>

- **Are the items similar to the approved items in SAAP or there is any deviation? If yes, list the items with reasons (tabular; 300 words)**  
Yes, the items similar to the SAAP and there is no deviation.
- **What is the utilization status of funds? (tabular; 250 words)**  
As mentioned above, the amount for A&OE is not yet been released to the State. Previous released amount of Rs. 6.75 Crores have already been transferred to respective ULBs.
- **Has the IRMA been appointed? What was the procedure followed?(250 words)**  
As per the guidelines and approvals, tenders for appointment of IRMA was initiated by the State and accordingly technical evaluations of proposals received from interested agencies were also done, however, as per the video conference on AMRUT held under



the chairmanship of Joint Secretary, MoUD dated 3<sup>rd</sup> October, 2016, it was informed that the appointment of agency for IRMA will be done by MoUD itself and States were accordingly instructed to scrap the process.

- **If not appointed, give reason for delay and the likely date of appointment (100 words)**

MoUD, Govt. of India to answer.

- **Have you taken up activities connected to E-Municipality as a Service (E-MAAS)? Please give details. (250 words)**

Yes. State has taken up activities concerned to E-Municipality as a Service (E-MAAS) as follows:-

- Municipal Reforms Cell (<http://www.mrc.gov.in/>) is established under DMA to enable the ULBs in implementation of E-Governance applications.
- MRC is providing the following citizen-centric online services (which are accessible through internet):
  - Registration and Certification of Births and Deaths,
  - Water & Sewerage connection and collection of charges (through Jananidhi),
  - Grievance Redressal (through PGR)
  - Property Tax (through GIS based Aasthi)
  - Issuance of Licenses (Trade License)
  - Building Permissions (Building license)
  - Mutations, (E-Aasthi) etc,
  - Pension
- HRMS System for
  - Payroll (through HRMS) (<http://www.hrms.karnataka.gov.in/HRMS/>)
- Centre for e-Gov is responsible for
  - E-procurement  
(URL:<https://eproc.karnataka.gov.in/eportal/index.seam>)

- **Have you displayed the logo and tagline of AMRUT prominently on all projects? Please give list. (tabular; 100 words)**

The projects have not yet been commissioned. However, all the ULBs and other implementing agencies have already been instructed strictly to display the logo and tagline of AMRUT prominently on all projects.

- **Have you utilised the funds on any of the inadmissible components (para 4.4)? If yes, give list and reasons. (tabular; 350 words)**

No

### Funds disbursements and Conditions:

- **How many project fund request has been made to the Gol? (250 words)**  
No project fund request made to the Gol apart from the SAAP 2015-16 & 2016-17 and request to release A&OE allocated to the State.
- **How many instalment's the Gol has released? (250 words)**  
Gol has released 1<sup>st</sup> instalment, 20% of the Central Assistance for FY 2015-16 & 2016-17.
- **Is there any observation from the Gol regarding the claims made? (350 words)**  
No claims made by the State, so far, since the IRMA reports are mandate, as per Gol guidelines, for claiming of next instalments.
- **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. (tabular; 500 words)**  
Only condition imposed by the Apex Committee and State Level High Powered Steering Committee is to strictly adhere to the MoUD guidelines and same is being complied with.

## 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).

**TABLE 3.1: SAAP –MASTER PLAN OF ALL PROJECTS TO ACHIEVE UNIVERSAL COVERAGE DURING THE CURRENT MISSION PERIOD BASED ON TABLE 2.1 (FY 2017-20)**

SN	Name of ULB (Water Supply and Sewerage)	Total number of projects to achieve universal coverage	Estimated	Number of years to achieve universal coverage
1	2	3	4	5
1	Badami	0	0	3
2	Bagalkote	2	19.19	3
3	Bangalore	2	473.94	3
4	Belgaum CC	2	56.95	3
5	Bellary CC	2	53.33	3
6	Bhadravathi	2	41.54	3
7	Bidar	2	86.03	3
8	Bijapura CC	1	46.99	3
9	Chickamagalur	2	47.16	3
10	Chitradurga	2	40.3	3
11	Davanagere	1	49.34	3
12	Dharwad CC	2	20.6	3
13	Gadag-Betageri	2	36.9	3
14	Gangavathy	2	48.49	3
15	Gulbarga CC	1	56.87	3
16	Hassan	1	41.92	3
17	Hospet	2	69.08	3
18	Kolar	2	54.74	3
19	Mandya	2	54.59	3
20	Mangalore CC	1	172.75	3
21	Mysore CC	1	58.78	3
22	Raichur	1	37.41	3
23	Rannebennur	1	29.5	3
24	Robersonpet	2	54.77	3
25	Shimoga CC	2	33.14	3
26	Tumkur CC	2	70.94	3
27	Udupi	2	127.67	3
<b>Grand Total</b>		<b>44</b>	<b>1882.92</b>	

**TABLE 3.5: SAAP-- STATE LEVEL PLAN FOR ACHIEVING SERVICE LEVEL BENCHMARKS**

Current Mission Period- 2017-20

Proposed Priority Projects	Total Project Cost	Indicator	Unit	Benchmark	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)				
						FY 2017		FY 2018	FY 2019	FY 2020
						H1	H2			
<b>Water Supply</b>										
23	821.45	1. Household level coverage of direct water supply connections	%	100	54.74	58.59	68.5	80.91	86.91	93.18
		2. Per capita quantum of water supplied	LPCD	135	91.68	91.73	97.77	108.27	120.23	126.69
		3. Quality of water supplied	%	100	82.22	89.14	92.32	97.82	99.55	99.55
<b>Sewerage and Septage Management</b>										
21	1061.47	4. Coverage of latrines (individual or community)	%	100	75.11	79.85	82.33	85.38	88.29	100
		5. Coverage of sewerage network services	%	100	45.15	48.45	55.36	67.57	80.05	86.95
		6. Efficiency of Collection of Sewerage	%	100	37.51	42.25	51.19	70.29	79.33	87.33
		7. Efficiency in treatment	%	100	39.95	44.01	50.86	73.33	85.1	92.95
<b>Storm Water Drainage</b>										
11	118.47	8. Coverage of storm water drainage network	%	100	22.59	23.44	29.81	36.71	44.41	50.93
<b>Urban Transport</b>										
7	21.27	9. Service coverage of urban transport in the City	LOS	0.3 - 07	4.94	5.91	11.2	14.74	19.02	19.01
		10. Availability of urban transport per 1000 population	LOS	<.2	0.44	0.44	0.44	0.44	0.44	0.44
<b>Green Spaces and Parks</b>										
27	46.95	per person park area(in sqm)	Sq.M	10-12	0.26	2.17	2.25	2.27	2.32	2.37
<b>Total</b>	<b>2069.61</b>									

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

**Sector: water supply**

SN	Name of the ULB	Name of the project	Total allocation
1	Hubbali - dharwad	KUWSMP (41 wards) -cost effective and sustainable upscaling of cotinuous 24*7 pressurided water supply and operation,maintainace and management of Water supply sytem in the city	16.760
2	Gadag-betageri	Providing an dlaying new pipeline and construction of OHT	7.000
3	Bijapur	Providing, laying and jointing of DI, HDPE distribution pipeline to Zone-4 - K.H.B. OHT	6.710
		Providing, laying and jointing of DI, HDPE distribution pipeline to Zone-7 - Ramakrishna Ashram GLSR(Part)	12.720
		Providing, laying and jointing of DI, HDPE distribution pipeline to Zone-18 Star colony OHT	5.580
		Rehabilitation of existing transmission main. Providing 965mm dia MS pipe pure water transmission main from Ch.14500 to 20400M.	16.170
		Improvements to feeder mains.	1.710
		Construction of 55LL sump at Jalanagar, 10LL sump and pump house & providing pumping machinery near Civil hospital.	3.600
		Providing 11 KV HT express feeder line from MUSS to pump house near Civil hospital	0.500
		<b>subtotal</b>	<b>46.990</b>
4	Bagalkot	Water supply network in left over areas & HSC	12.560
		Providing Pure water feeder main to OHT and pumping machineries and & Construction Of OHT	2.620
		<b>subtotal</b>	<b>15.180</b>
5	Badami	Construction of 5LL OHT,Barrage across Malaprabha river & distribution network & HSCs	
6	Bellary	Rejuvenation of existing 12633 ML capacity impounding Reservoir.	10.850
7	Mysuru	Improvement to Melapura water supply system	22.110
		Improvement to Hongalli 3rd stage water supply system	3.740
		Improvements to Improvements to HLR command area	0.330
		Improvements to Hongalli 2nd stage water supply system	1.260
		Improvements to Belagola water supply system	0.630
		Construction of 10 LL capacity OHT, 15 m staging at Saraswathipuram	0.520
		Improvements to Kabini water supply scheme	0.250
		Construction of 13 ML capacity RCC MBR at HLR premises	8.900
		Construction of 2 Nos. of 15 LL MDT at HLR and CSR Premises	4.620
		Rehabilitation of distribution system in DMA 0610	8.080
		Rehabilitation of distribution system in DMA 0911	8.340
		<b>subtotal</b>	<b>58.780</b>

SN	Name of the ULB	Name of the project	Total allocation
8	Shivamogga	Replacement old pumping machineries and renovation of existing WTP	2.740
9	Gangavathy	Renovation of existing 1 MGD capacity WTP , Intake arrangements in Canal and Rehabilitation of Existing impounding reservoir located at Siddikeri	5.750
		Providing 21500 water supply House connections with Meters.	6.000
		Construction of check dam for Storage of water at Tungabhadra river near devghat UCR masonry and steel	5.650
		<b>subtotal</b>	<b>17.400</b>
10	Chitraduraga	Rehabilitation of 2 Nos-10 LL capacity GLSRs @ Kamanbhavi & Burujanahatti	1.450
		Surge protection device	0.940
		Rehabilitation of IPS	0.120
		DI/MS Feeder mains to different reservoirs (Partial)	8.220
		Surge protection device	0.900
		Replacement of existing with 2 Nos-150 HP centrifugal pumpsets in Union park.	1.000
		Providing new/ Rejuvenation of existing Distribution system (Partial)	7.630
		House service connections including incl. customer water meters- 9062 Nos	7.110
		Providing & Fixing incl. Customer water meters for existing HCS- 18,286 Nos. (27348-9062= 18,286)	3.110
		Trenchless Technology at 4 locations	2.150
		Deposits to Other Organizations like PWD, NHAI, Railway & BESCO, etc.,	1.070
<b>subtotal</b>	<b>33.700</b>		
11	Hosapete	Providing 2000 nos. of house service connections	2.220
12	Bhadravathi	To improve quality of water	2.500
		To make system energy efficient	2.000
		To increase cost recovery	0.440
		Providing Individual home service connection with water meter	7.400
		Providing Micro Fiber Filtration system	4.000
		Providing pressurized chlorination system	0.100
		Providing SCADA for Bulk water supply system	1.530
<b>subtotal</b>	<b>17.970</b>		
13	Chikkamagaluru	Distribution system, bulk meters, HCS with water % of entire network) )-Universal coverage	44.160
14	Hassan	Construction of New Head works and WTP Transmission and Feeder mains and allied work	15.850
		Distribution system	2.790
		Feeder mains to distribution system	23.280
		<b>subtotal</b>	<b>41.920</b>
15	Kolar	Water Quality improvements	0.370
		Universal Coverage and Storage Improvements)	14.890
		<b>subtotal</b>	<b>15.260</b>
16	Davanagere	supply of 24x7 water to davanagere city	49.340
17	Tumakuru	Providing additional House Service Connections of Water Supply	59.420

SN	Name of the ULB	Name of the project	Total allocation
		Scheme AMRUT/KAR/TUMKUR/WS/02 SCADA for Pumping Machinery	
		Providing Water supply Distribution lines in Tumakur City	
18	Mandya	AMRUT/KAR/MND/WS/02.Providing distribution network, water meters and smart water meters to HSC, Construction of overhead reservoirs, Construction of head works, Providing raw water rising main, Treated water Gravity main, Construction of WTP, Providing feeder mains, Express feeder line and Pumping Machineries.	20.000
		AMRUT/KAR/MND/WS/02.Providing distribution network, water meters and smart water meters to HSC, Construction of overhead reservoirs, Construction of head works, Providing raw water rising main, Treated water Gravity main, Construction of WTP, Providing feeder mains, Express feeder line and Pumping Machineries.	20.000
		AMRUT/KAR/MND/WS/02.Providing distribution network, water meters and smart water meters to HSC, Construction of overhead reservoirs, Construction of head works, Providing raw water rising main, Treated water Gravity main, Construction of WTP, Providing feeder mains, Express feeder line and Pumping Machineries.	8.180
		<b>subtotal</b>	<b>48.180</b>
19	Bidar	Providing & laying of 30 Kms. Of pipeline in extension areas	5.900
20	Belagavi	AUGMENTATION OF BELAGAVI WATER SUPPLY SCHEME WITH Hidkal	19.590
21	Udupi	Construction of dam	68.250
		Construction of Intake Well, Jack Well and WTP and raising mains.	40.000
		<b>subtotal</b>	<b>108.250</b>
22	Robertsenpet	Water Quality improvements	25.570
		Water Quality improvements and Universal coverage	17.350
		<b>subtotal</b>	<b>42.920</b>
23	Ranibennur	24x7 water supply (gap)-285 KM with 23598 House service Connections	2.000
		24x7 water supply (gap)-285 KM with 23598 House service Connections	1.500
		24x7 water supply (gap)-285 KM with 23598 House service Connections	2.280
		Rehabilitation of Flash Mixture, Clariflocculator and Volves in Fitter House	1.00
		Rehabilitation of Flash Mixture, Clariflocculator and Volves in Fitter House	1.00
		Rehabilitation of Flash Mixture, Clariflocculator and Volves in Fitter House	1.85
		Rejuvenation of Gangajala Doddaker Lake	5.00
		Rejuvenation of Gangajala Doddaker Lake	10.00
		Rejuvenation of Gangajala Doddaker Lake	4.87
<b>subtotal</b>	<b>29.50</b>		



SN	Name of the ULB	Name of the project	Total allocation
24	Banagalore	Proposed clear water pipeline from GKVK Reservoir to HBR Reservoir.	137.47
		Work of providing water supply facilities to 110 villages of	
		Work of providing water supply facilities to 110 villages of BBMP	
25	Raichur	AMRUT/KAR/Raichur/WS/01/ supply rate improvements water Quality improvements/Universal coverage AMRUT/KAR/ Raichur/WS/02/ universal improvement-2016-17	-10.05
<b>TOTAL</b>			<b>821.45</b>

**Sector: UGD**

SN	Name of the ULB	Name of the project	Total allocation
1	Belagavi	Construction of 70 MLD capacity STP with CASP/SBR Technology & allied works, Rising Mains, Wet Wells and Pumping Machineries. Outfall sewer Providing, Laying of Rehabilitation of existing sewer lines. Providing, Laying of Sewer network in the Uncovered areas.	37.36
2	Bagalkot	AMRUT/KARNATAKA/ BAGALKOTE/UGD/02	4.01
		Construction of 10.00 MLD Sewage Treatment Plant with allied works and Sewers & allied works – 5 Kms outfall/trunk main , Construction of 3 Nos of STP of 2MLD with SBR technology at Andral, Mahalakshmi wet well, Talur Road.Laying of New Sewer network of 18.5Km at Tallur Wetwell Laying of New Sewer network of 18.5Km at Tallur Wetwell	
3	Bangalore City	Sewerage Network in RR Nagar & Kengeri (110 km) Providing Trunk Sewer in V-Valley Environment Action Plan-C Hulimavu STP Begur STP Sarakki STP K.R.puram STP Construction of Pump House at Koramangala Sports Complex and laying of rising main from Sports complex to K & C Valley Treatment Plant Agara STP	336.47
		Sewerage Network in RR Nagar & Kengeri (110 km) Providing Trunk Sewer in V-Valley Environment Action Plan-C Hulimavu STP Begur STP Sarakki STP K.R.puram STP Construction of Pump House at Koramangala Sports Complex and laying of rising main from Sports complex to K & C Valley Treatment Plant	



SN	Name of the ULB	Name of the project	Total allocation
		Agara STP	
		Sewerage Network in RR Nagar & Kengeri (110 km) Providing Trunk Sewer in V-Valley Environment Action Plan-C Hulimavu STP Begur STP Sarakki STP K.R.puram STP Construction of Pump House at Koramangala Sports Complex and laying of rising main from Sports complex to K & C Valley Treatment Plant Agara STP	
4	Bhadravathi	Universal Coverage	15.57
		Rehabilitation of STP	1.00
		Construction of STP	2.00
		Supply and erection of suitable capacity sewage pump sets for wet wells at Bus stand and old town police station	1.50
		Providing and laying 250/200 DI rising main from bus stand and old town police station wet well to STP at jatpat nagara	3.00
		Replacement of screens and repairs to all PTU for wet well	0.50
		<b>Subtotal</b>	23.57
5	Bidar	AMRUT/KAR/Bidar/UGD/03 ((Laying of sewerage network in non-covered area/zones for a length of 13 Kms with road restoration and Construction of Wetwells ,D.G. rooms with D.G. Sets, construction of 12 MLD STP in Zone-2 of Bidar city.) AMRUT/KAR/Bidar/UGD/06 ((Laying of sewerage network in non-covered area/zones for a length of 25 Kms with road restoration in Zone-3 of Bidar city.)	80.13
		i)Laying of sewerage network in non-covered area/zones in 50 Kms with road restoration in Zone-2 of Bidar city.ii) Laying of sewerage network in non-covered area/zones in 15 Kms with road restoration in Zone-3 of Bidar city. iii) Construction of Wetwells, D.G. rooms with D.G. Sets, construction of 9.75 MLD STP in Zone-3.	
		i)Laying of sewerage network in 32 Kms with road restoration in Zone-2 of Bidar city. AMRUT/KAR/Bidar/UGD/08 i)Laying of sewerage network in 10 Kms with road restoration in Zone-3 of Bidar city.	
6	Hubli Dharwad	House service connections – 2957 nos.	3.84
7	Gadag	For rehabilitation/Rejuvenation of existing 1st stage UGD network	29.90

SN	Name of the ULB	Name of the project	Total allocation
	Betageri		
8	Gangavathi	Providing and laying of Sewer network for around 14 Kms with road restoration with 1400 Nos of house connections	8.00
		providing and laying Sewrage line 8km HSC including in ward nos 4,6,8,9	6.00
		Providing and laying of Sewer network for around 14 Kms with road restoration with 1700 Nos of house connections	6.00
		providing and laying Sewrage line 7km including HSC in wards 10,11,12	4.00
		Providing and laying of Sewer network for around 6 Kms with road restoration, with 1400 Nos of house connections and rehabilitation of 1.5 km of existing damaged	4.00
		providing and laying Sewrage line 4km including HSC in ward nos 15,16,19	3.10
		<b>Subtotal</b>	<b>31.10</b>
9	Gulbarga CC	Laying of sewerage network in non-covered area/zones in 15 Kms with road restoration. (1D2 Zone- 7 Kms & 2D1 and 2D2 Zones- 8 Kms), providing 3200 HSC and) & Augmentation of ongoing STP from 40MLD to 60MLD near Nandikoor village.	20.40
		Rehabilitation of sewers & allied works 15 Kms with road restoration. (1D2Zone-8 Kms,2D1 and 2D2 Zones-7Kms).	19.10
		Rehabilitation of sewers & allied works -16 Kms in 2D1 and 2D2 Zones with road restoration.	17.37
		<b>Subtotal</b>	<b>56.87</b>
10	Hospet	3 Laying of sewerage network in non-covered area/zones in 92 Kms with road restoration , providing 2200 HSC, wetwell, DG rooms with DG sets,pumping	51.22
		Rehabilitation of 30 KMs of Sewerge Network	15.64
		<b>Subtotal</b>	<b>66.86</b>
11	Kolar	Providing sewerage network	39.48
12	Mangalore CC	Rejuvenation & Missing link works of Mangalore & Surathkal UGD	172.75
		Rejuvenation of existing old sewer network of Mangalore city	
13	Raichur	Providing, laying, commissioning of sewer lines, HSCs,DI rising main, construction of manhole chambers, wetwells. Construction of 5.50 MLD Capacity SBR Technology. Supply, erection and commissioning of Non-clog sewage pumpsets of suitable HP along with allied accessories. Providing 11KV express feeder main from tapping point to proposed STP and wetwells.O & M of the UGD system and STP executed under this Project for the period of 5 years under UGD Scheme to Raichur city under AMRUT	47.46

SN	Name of the ULB	Name of the project	Total allocation
		Providing, laying, commissioning of sewer lines, HSCs, construction of manhole chambers, of 22 Kms laterals in Eklaapur Zone under AMRUT	
		<b>Subtotal</b>	
14	Robertsonpet	Providing and laying of sewer network in 73.15 kms with road restoration including HSC 75000 nos. Construction of 5 MLD STP with allied works, electrical express feeder main, DG set and DG room for wet well, construction of intermediate pumping stationw wet well including all electro-mechanical items.	11.850
15	Shimoga CC	Rehabilitation of existing systems)	2.50
		Construction of STP)	2.00
		Providing UGD for left out areas)	18.90
		Rehabilitation to existing system)	4.00
		Providing UGD for left out areas)	3.00
		<b>Subtotal</b>	<b>30.40</b>
16	Tumkuru CC	Providing and laying of sewer laterals. Providing and laying of submains/mains. House service connections for 25096 Nos	11.52
17	Udupi	Construction of UGD network(142.60Km), Construction of wet wells(13Nos)with pumping mains & Construction of 3.0MLD STP at Malpe and 3.5MLD STP at Indarli, V P Nagar	19.42
18	Mandya	Providing Sewer network with HSC's at Beedi workers colony, Providing pumping machineries, generators to wet wells and Construction of wetwells and Generator rooms @ Beedi workers colony, Haniyambadi road & PES Layout providing & laying of rising mains from wetwells to ridge manholes for 2.5 Kms	6.41
19	Ballari	Construction of 10.00 MLD Sewage Treatment Plant with allied works and Sewers & allied works – 5 Kms outfall/trunk main, Construction of 3 Nos of STP of 2MLD with SBR technology at Andral, Mahalakshmi wet well, Talur Road. Laying of New Sewer network of 18.5Km at Tallur Wetwell	42.48
20	Chitradurga	Providing individual service connections (6,000 Nos.)	6.60
21	Chikamagalur	Providing sewer network (Universal coverage) Construction of septic tanks (Improve Treatment of sewage)	3.00
		<b>Total</b>	<b>1061.480</b>

**Sector: Strom Water Drain**

SN	Name of the ULB	Name of the project	Total allocation
1	Robertsonpet	Strom water drain work in different locations of city	4.570
2	Shivamogga	Ward NO: 1 Construction of balance length of F-Block drain in Bomankatte and construction of storm water drains in Devrajurs layout, Ashraya layout Bommankatte C, D & G Blocks and Sominkoppa	2.000
		Ward NO: 2 Construction of balance storm water drains in Krushi nagar, Basaveshwar nagar and Hosur village	0.700
		Ward NO: 3 Construction of storm water drain from Honnali road to Guru Bhavan, Vaddara hati AK colony, Gundappa shed main road and Sheshadripuram in Tavare Chetnalli Village limits	2.000
		Ward NO: 4 Construction of Storm Water Drain in Chikkal & Construction of Storm Water Drain From Purle A.K Colony to hasudi Road	0.800
		Ward NO: 5 Construction of storm water drain in Kashipura layout, renukamba layout, and Veternary collage road shivappa naika layout, Katte subbanna to Alkola rd	0.700
		Ward NO: 6 Construction of storm water drain in Narasimha badavane behind Savi bakery, 60 ft main rd 3rd phase ist main cross roads opp SUDA office, KHB layout A to G block, Sominkoppa main road, Kenchappa layout and adjacent road of Savi Bekari	1.100
		Ward NO: 7 Resectioning of drain from P&T colony road to Bommankatte road Bridge (parellal to railway line) including construction of Bridge	2.5
		Ward NO: 8 Construction of storm water drain in Ravindra nagar, Gandhi nagar B Block , Jayanagara, Near Hubli trazory Vinayaka Nagara, Channappa layout main and cross roads	0.8
		Ward NO: 9 Construction of storm water drain in Basavangudi, Vinayak park , AA colony and officers quatress main and cross roads & Resectioning of drain and Construction of Bridge near 100ft rd to Major storm water drain at Bsavangudi and balance length of Gandhi nagar main drain	2.8
		Ward NO: 10 Development of Bapuji Nagara main drain	4.5
		Ward NO: 11 Construction of storm water drain from Gayithri Kalayana mantapa opp Behind Sai Garment to Old bar line, Aravinda Motors, upto tunga river, behend Gokul Building to Hema sing house, Sangolli rayanna circle to Tank bund road near Ramesh house	1
		Ward NO: 12 & 21 Construction of storm water drain(Big box drain) from Are Durgamma street to Anjanaya temple, Shivaji road to Vasavi school through O P road & Vinayaka Street to Kolurayya Street.	1.22
		Ward NO: 14 Construction of storm water drain from Hathi nagara to Harige & Construction of drain Malavagoppa Channabasaveshwara Temple to Yalavatti Road	1.45
		Ward NO: 15 Construction of storm water drain from Malavagoppa Water tank to Chanabasaveshwara temple and	0.40

SN	Name of the ULB	Name of the project	Total allocation
		Jyothi nagara N R pura road to Canal	
		Ward NO:16 Construction of balance length major storm water drain adjacent KRDL office upto Gopala main drain and construction of drains in Tippunagar, R/S, JP Nagar, Ambedkar nagar	1.60
		Ward NO: 17 Construction of storm water drain in main and cross roads of Auto complex road , 60 ft rd 1st 3rd, 11th cross, church opp road , and cross roads under 14th ,13th cross Behind APMC	1.00
		Ward NO: 18 Construction of storm water drain in Hosmane Main and cross roads Devikrupa hospital back side , EX president Mallikarjun res back side , Saibaba temple side and Hosmane Main and cross roads	0.75
		Ward NO: 19 Construction of storm water drain in Devangi communication to Z P Office, Back side of houses of Canal in Venkatesh nagar, Shridhar Nursing home to Jail Circle, Achuth Rao Extn 2nd, 3rd & 5th Corss,	1.83
		Ward NO: 20 Construction of storm water drain in Thilak nagar main road to Balraj Aras road, L L R road & in Durga Complex road.	0.70
		Ward NO: 23 Construction of storm water drain in Al-Hareem layout KHB Layout and Thunga layout	1.50
		Ward NO: 24 Construction of storm water drain in KHB layout Gopala of ward 24 Tippu nagar kormarkeri Sri ram nagar and Rangnath badavane	0.70
		Ward NO: 25 Construction of storm water drain in Ashok nagar & Providing Cover slab to Anna nagar roads	0.50
		Ward NO:26 Construction of storm water drain in Church road adjcent to Canal, Behind Adichunchanagiri back side & in 1st cross Hosmane	1.50
		Ward NO:27 Construction of storm water drain in Milagatta main road adjcent to Police qts, Milagatta main road to 80ft road (Basaveshwara Temple) & Manjunatha Extn., Milagatta main road to Kumar wines	1.20
		Ward NO: 30 Construction of storm water drain in H Siddayya road	0.25
		Ward NO: 31 Construction of storm water drain in KHB layout Gopi shetti koppa, Sorruound siddeshwara circle, Tunga nagar, Ilyaz nagar , Old mandli , paper factory , Sharadamma layout	1.20
		Ward NO: 32 Construction of storm water drain from N T road to Thung river in Bharathi calony & Muradh nagar & Main drain adjcent to Mandli Veerashaiva burial ground (continuation of Ilyaz nagar)	3.00
		Ward NO: 34 Construction of main storm water drain and cross drains in wadi-e-Huda.	2.92
		Ward NO: 35 Construction of storm water drain in Mathur road right side & in Gas gowdan road	1.05
		sub total	<b>41.67</b>
3	Bagalkot	Construction of RCC drain from IDBI bank to old IB and	0.91

SN	Name of the ULB	Name of the project	Total allocation
		surrounding places with cover slabs	
4	Gangavathy	Major drain at prashanth nagar and domestic sewer line in ward number 1& 2 , 10,11,12, 13, 14, 15	4.00
		Major drain at Jantkal and domestic sewer line in ward no 16,17, 18, 1nd 19 and 21	3.00
		major drain at childrens park to neelakanteshwara circle and domestic sewer line in ward number 26, 28, 29,30, and 31	3.28
		<b>subtotal</b>	<b>10.28</b>
5	Chitradurga	Construction of SWD at KSRTC layout teachers colony	1.14
		Construction of SWD at backside of regional school to kotwal	2.00
		Construction of SWD at fish babanna house at NH4	1.00
		Construction of SWD at chadravalli bridge to holalkere main road	1.12
		Construction of strom water drain infront of KSRTC depo	2.25
		Construction of SWD from Holalkere road to near yadananda matt	2.30
		Construction of SWD at Gumasathara colony near Jda office	1.00
		Construction of SWD at ward number 234 behind Cresent school	2.30
		<b>subtotal</b>	<b>13.11</b>
6	Hosapete	Construction SWD from Valmiki circle to HLC canal	0.30
		Construction of SWD at okkadkeri area	0.39
		Construction of SWD from SR nagar araea to basaweshwar badavane	1.00
		Construction of SWD near Raitra bahavan to HUDA office	1.00
		<b>subtotal</b>	<b>2.69</b>
7	Chikkamagaluru	Construction of SWD at Ayappa nagar to kotekere	3.50
		Construction of SWD at Basavanahalli lake to kotekere	3.00
		Construction of SWD at from kaveri saw mill to basavanahalli kere	0.75
		Construction of SWD at halenahalli to basavanahalli kere	2.50
		Construction of SWD jyothi circle to Tippunagar	1.0
		<b>sub total</b>	<b>10.75</b>
8	Gadg-betageri	Construction of SWD near Rehamath nagar CD to hombal naka CD	1.05
		Construction of SWD in between ragavendra matt and JT college	1.9
		Construction of SWD from DC mill road to koppal saw mill	5.25
		Construction of SWD - betegaere KC rani park	1.8
		<b>subtotal</b>	<b>10.00</b>
9	Kolar	Construction of SWD	8.84
10	Mangaluru	Construction of SWD at ward 2 surathkal east th block	3.91
		Construction of SWD at katipala east 3rd block mahakali temple	
		Construction of SWD at krishnapura katipala 5th block	
		Construction of SWD at D katipala north 8th block , behind school	



SN	Name of the ULB	Name of the project	Total allocation
		Construction of SWD at idiya east chokka bettu	
		Construction of SWD at idia west hosabettu , bayalakere	
		Construction of SWD at hosabettu deepa farm	
		Construction of SWD at hosa bettu ragavendra matt	
		Construction of SWD at Kunjath bail north devi nagar main road	
		Construction of SWD at kunjathbail north jyothi nagr	
		Construction of SWD at Bangra kollur 4th mile	
		Construction of SWD at Gopal devadiga	
		Construction of SWD at Manjal katte temple	
		Construction of SWD at panchanadi gutte road	
		Construction of SWD at Dhirebail north malemar	
		Construction of SWD at paduva east kudupu temple	
		Construction of SWD at paduva east eradu mane	
		Construction of SWD at hill side idiya east	
		Construction of SWD at krishnapura katipala 7th block	
		Construction of SWD at markada krishnanagar , bayari bettu	
11	Bhadravathi	Construction of SWD network In Bhadravathi City Remaining work	11.74
		<b>TOTAL</b>	<b>118.470</b>

**Sector: Green Spaces and Parks**

SN	Name of the ULB	Name of the project	Total allocation
1	Bijapura	Development of park with children friendly components-in KHB colony,Sollhapur road and adarsh nagar	1.00
		Development of park with children friendly components-behind BLDE Engineering college and anand nagar	0.96
		<b>subtotal</b>	<b>1.96</b>
2	Bagalkot	Improvement of Gardens near Basav nagar near S R Patil house, near nilanayak house sector no:45 Navanagar and near mallikarjun temple teggi layout Land scaping works , plantation of grass and trees and providing playing equipments and gym park providing lighting facilities, providing watchmen room and recreation rooms and rest rooms	1.23
3	Badami	1. Development of house araea park 3 Vidya nagar park 2. Development of house araea park 4 Jayanagar park 3.Development of hous earea park 5 Manjunath park	0
4	Raichur	Development of Park with children friendly components - Devoor colony park -behind BLDE Engineering college and anand nagar	0.870
		Development of park with children friendly component- Savithri colony park	0.300
		Development of park with children friendly componet- IDSMT layout park	0.300

SN	Name of the ULB	Name of the project	Total allocation
		<b>subtotal</b>	<b>1.47</b>
5	Ranibennur	Development of park in R.S No : 910 ward number 4 adavi anjaneya badavane	0.10
		Development of park in ward number 5 vikas nagar	0.10
		Development of park in ward number 23 Mruthyunjayanagara	0.10
		Development of park in ward number 22 vinayaka nagar	0.10
		Development of park in ward number 22 Housing colony	0.10
		Development of park in ward number 28 R.S no : 311(2 numbers )	0.10
		Development of park in ward number 28 Maruthi nagar R.S number 299 (2 numbers )	0.10
		Development of park in ward number 29 veera badreshwar nagar	0.10
		Development of park in ward number 29 veera badreshwar nagar	0.10
		Development of park in ward number 30 Kanaka das nagar in R.S number 277	0.10
		Development of park in ward no 29 maruthi nagar R.S number 312 (3 numbers )	0.10
		<b>Sub total</b>	<b>1.10</b>
6	Hospet	Improvement of park between LLC canal work and ring road	1.46
7	Gangavathy	Development of children friendly park at ward number 24 Teachers colony	0.40
		Development of children friendly park at ward number 15 indira nagar and gadwal camp	0.40
		Development of children friendly park at anajaneya badavane	0.43
		<b>subtotal</b>	<b>1.23</b>
8	Gadag-betageri	Improvements of Parks - construction of musical fountain, lighting , and playing equipments	11.81
		Improvements of Parks - construction of musical fountain, lighting , and playing equipments	
9	Bellary	Development of park with children friendly park at ward number 17	0.09
		Development of park, playground and open theatre at vara basappagudi	0.1
		<b>Subtotal</b>	<b>0.19</b>
10	Chitradurga	Development of park at ward number 35 near IUDP layout 11th cross to 5th cross	0.77
		Development of park at ward number 35 near IUDP layout 6th cross	0.5
		<b>subtotal</b>	<b>1.27</b>
11	Chikkamagaluru	Development of park in Jayanagara (backside of coffee day ), channapura road park behind major Poovaiah residency park beside navodaya school tippu nagara,park in new uppahalli extension	0.21
		Development of parks in KHB colony 4th phase behind fire station, development of park in front of KUWS&DB office at Kalyana nagar	0.375



SN	Name of the ULB	Name of the project	Total allocation
		Development of parks in KHB colony 4th phase behind fire station, development of park in front of KUWS&DB office at Kalyana nagar	0.375
		<b>subtotal</b>	<b>0.96</b>
12	Kolar	Improvement of Kuvempupark and Darmarayanagara park	0.11
		improvement of sarvagna parkand plassandra layout park ( swami badavane )	0.43
		<b>Sub total</b>	<b>0.54</b>
13	Hassan	Fountain work at maharaja park at ward number 3, 4, 5, 9, 10, 14, 16 and 27 parks	0.365
		Lighting work at maharaja park ward number 9 & 14	0.1
		Landscaping and playing equipments at maharaja park	0.1
		other equipments like chairs , eateries, etc. maharaja parks and ward number 3,4,5,9,10,14,16 and 27	0.165
		<b>subtotal</b>	<b>0.73</b>
14	Kalburgi	Development of park at Revanna siddeshwar	0.37
		Development of park at Survey number 67 at Badepur, danvatri colony	0.6
		Development of park at Mansabdar layout	0.5
		<b>subtotal</b>	<b>1.47</b>
15	Shivamogga	Development of park - river bank in ward number 33	0.41
		Development of park adjacent to over head tank in malleshwar nagar	0.35
		Development of park in sharadamma layout	0.35
		development of park in rajendra nagar	0.35
		<b>sub total</b>	<b>1.46</b>
16	Udupi	Development of Bhujanga park at Ajjara kadu in udupi city limit	0.36
17	Robertsonpet	Improvement of park at opposite RTO ooffice near new oriental lane ward number 5 CMC	0.2
		improvement of park at opposite floor mill ST block Oorgaum	0.2
		Improvement of park at ET block ward number 16	0.2
		Improvement of park near five lights area	0.31
		improvements of parks near Bullens Band lane, ward no 7	0.3
		<b>subtotal</b>	<b>1.21</b>
18	Hubbali-Dharwad	Development of Unakal lake park and koli kere lake park	1.46
19	Badravathi	Development of park at SAIL, VISL , M. G. park	1
		Development of Upper hutta park	0.65
		Development of siddaruda nagar park	0.5
		Development of ward number 13 Gandhi park	0.5
		<b>sub total</b>	<b>2.65</b>
20	Mangaaluru	Development of park at kattipala , krishnapura 7th block	0.59
21	Mysuru	Development of park - Landscaping and heritage work (3 works)	2.23
		Development of park- lighting work in park	0.5
		<b>sub total</b>	<b>2.73</b>
23	Belagavi	Shivaji garden and Gandhi Udyan at SPM Road Shahapur,Belagavi	1.0

SN	Name of the ULB	Name of the project	Total allocation
		Hanuman Nagar Garden	0.5
		Shivaji garden and Gandhi Udyan at SPM Road Shahapur,	0.2
		Hanuman Nagar Garden	0.26
		subtotal	<b>1.96</b>
24	Bidar	Development of Park at Ameer Barid Tomb	0.86
25	Davanagere	Development of park near Laksmi floor mill park,in ward no 29	0.6
		Development of Dange park in KTJ Nagara ward no 33	0.59
		Development of park in Chikkamani Daevaraj urs layout park in ward no 36	0.5
		sub total	<b>1.69</b>
26	Mandya	Development of Venkatagiriappa park and Shivananjappa park in Vidyanagara and Subhash nagara	0.36
		Development of Park behind Someshwara samudaya bhavan and Balamuri ganapathi temple park in Kuvempunagara	0.3
		Development of Chamundeshwarinagara park	0.07
		subtotal	<b>0.73</b>
27	Tumakuru	Development of Parks in Ward No-30 in Saphthagiri extension in Tumakuru City	0.46
28	Bangalore	Development of Park at west zone	5.37
		Development of park at East zone	
		Development of park at Bommanalli Zone	
		Development of park at R.R.Nagar zone	
		Development of park at South zone	
		Development of park at Yelahanak zone	
		Development of park at Dasarahalli zone	
		Development of park at Mahadevpura	
		<b>TOTAL</b>	<b>46.95</b>

**Sector: Urban Transport**

SN	Name of the ULB	Name of the project	Total allocation
1	Roberson Pet	Construction of Footpath from Saldana Circle to KSRTC Depo circle, ward No:27,32, Robertsonpet, CMC-KGF	0.750
		Construction of Footpath from 1 <sup>st</sup> Cross Pritchard road to Dr.RajKumar Circle, Ward No:23,Robertsonpet,CMC-KGF	1.000
		Construction of Footpath from Andersonpet circle to Gilfert's circle, ward no: 33& 08, Andersonpet CMC-KGF.	0.620
		sub total	<b>2.370</b>
2	Bagalkot	Construction of cycle path from vidyagiri collage circle to MBA college and from New IB to Ayodya hotel to college circle	0.910
3	Hospete	Construction of footpaths	2.460
4	Gangavathy	Construction of Foot patyh, footpth path ganesh circle to Busstand	1.000
		Construction of underpass/skywalk , Foot path- ganesh	2.000

SN	Name of the ULB	Name of the project	Total allocation
		circle to busstand	
		Construction of Parking Hub-Chenna basava circle to Gandhi circle & indira circle over Durgamma nala	2.140
		subtotal	<b>5.140</b>
5	Gadag-Betageri	Construction and iprovements of parks	5.980
6	Tumkur	Procurement of Escalators for skywalk across Asoka road	4.410
		Foot path from Rajanna house to Kyathsandra police station on both sides of 80 feet road	
		Kodibasaveshwara junction improvement in Tumakuru city.	
		Construction of Footpath with railings on both sides of the road from Kodibasaveshwara Circle to Church circle in Tumakuru city.	
		Construction of Footpath from KEB office to DC office via Amanikere in Tumakuru city.	
		Construction of Cycle Track from KEB office to DC office via Amanikere in Tumakuru city.	
		<b>TOTAL</b>	<b>21.270</b>

### 3.1 Principles of Prioritization:

Under this section states will prioritize and recommend projects for selection under AMRUT (AMRUT Guidelines; para 7). The States will identify project based on gap analysis and financial strength of ULBs. While prioritizing projects, please provide information responding to the following questions, in words, not more than as indicated against each question:

- **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 (tabular; 250 words)**

As seen in the SLIPs (Service Level Improvement Plans) submitted by the ULBs/parastatals, the consultation with people representatives public and CBOs have been done and the feedback from the participants have been obtained. The feedback and suggestions, as above are also considered in preparation of SLIPs, project planning, prioritization of projects wherever found necessary and in favour of public interest.

- **Has financially weaker ULBs given priority for financing? Please give list.(200 words)**

Yes. Based on the population of the cities the funds are allocated. The State capital Bangalore with the population of 84,43,675 has been allocated 1000.00 Cr. under 'AMRUT' and other 10 city corporation and 3 city municipal councils with population of more than 2 lakhs have been allocated 200.00 Cr. each. The other towns have been allocated the remaining amount on prorata basis. The financially weaker ULBs will raise loan to meet the expenditure cost of the project, whereas the other ULBs have to contribute from their SFC grants, 14<sup>th</sup> Finance Commission grants and Municipal fund.

- **Is the ULB with a high proportion of urban poor has received higher share? Please give list. (250 words)**

Yes. The ULBs with a high proportion of Urban Poor and Slum dwellers have received higher share. The ULBs have been arranged in descending order of Slum population. Accordingly, the Govt. has taken a decision to extend higher support to those towns with higher population of urban poor & slum population. This has been decided based on consultations with the stakeholders.

- **Has the potential Smart cities been given preference? Please give list (200 words)**

Yes. All the six (6) cities shortlisted for Smart Cities Mission in Karnataka viz., Shivamogga, Huballi-Dharwad, Tumakuru, Davangere, Belagavi, Mangaluru are also selected under AMRUT Mission. While preparing SAAP, they have been kept in the list of priorities, with focus on universal coverage of drinking water and sewerage. And, hence, they are considered in SAAP, on priority basis, for funding in the first year in view of their smart city status and have been allocated Rs.200.00 Cr. each under the 'AMRUT'.

- **What is the quantum of Central Assistance (CA) allocated to the State for the last 3 years of the AMRUT ? (100 words)**

Rs. 954.90 Cr. for the remaining 3 years have been allocated by Gol.

- **Has the allocation to different ULBs within State consistent with the urban profile of the state? (260 words)**

Yes. Allocation to different ULBs within the State are made with urban profile of the state, with due consideration principle of priorities, as stated above. Further, various financial options AMRUT, Smart Cities, SBM and external financial assistance will also be adopted to converge various schemes and financing options.

### 3.2 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? (tabular; 300 words)**

Yes. All projects under water supply, UGD and Storm Water Drains sector proposed in SAAP for the entire mission period have made provisions of O&M cost for 5 years for smooth roll out of projects.

SAAP has been prepared considering O & M charges for five years to be reimbursed by collecting user charges. The State has decided that the O&M charges should be part of the

project cost, hence the O&M cost may be included in the project cost for five years and concerned contractor should monitor the O&M. After 5 years, the concerned ULBs should take care of the O&M of the project. Every effort must be made by the ULBs to recover the O&M costs of the project and if the ULBs are not able to make 100% cost recovery then, the State Government should allow them to use the grants available under 14FC, SFC etc.,

- **How O&M expenditures are propose to be funded by ULBs/ parastatal? (200 words)**

As mentioned above, O&M cost of the assets created, after the Defect Liability Period (DLP) are proposed through recovery of user charges, uniform rise in tariff structure, reduction of losses. If there will be any gap in recovery of user charges, cost shall be borne by the ULBs from the SFC grants/14th Finance Commission grants and other financial options like PPP etc.

The ULB will also be required to enhance its coverage and connection network and thus enhance its revenue base, and strengthen the billing and collection systems. In additional, rationalization of user charges may also be contemplated wherever appropriate. Expenditure reduction through energy conservation will also be adopted as an alternative strategy for revenue improvement.

- **Is it by way of levy of user charges or other revenue streams? (100 words)**

Yes. The cost of O&M will be met from levy of user charges, expanding the connection / service network, strengthening billing and collection systems and channels, cross verification with other data bases like Property Tax assessments etc., and through expenditure reduction by way of redeployment of man power, energy conservation and efficiency improvement, reduction of NRW (Non-Revenue Water), reuse and recycling of waste water, Smart metering, SCADA, Automatic Meter Readers, and e-pos system for improving billing and collection of user charges etc. Still if there is any gap in meeting the O&M cost, the same will be done by the ULBs ULB/Parastatals (KUWS&DB and BWSSB) through their other revenue streams.

- **Has O&M cost been excluded from project cost for the purpose of funding? (100 words)**

Yes. O & M cost for five years are calculated under project cost and excluded to calculate SAAP and for the purpose of funding

- **What kind of model been proposed by States/ULBs to fund the O&M? Please discuss. (250 words)**

The O&M of water supply and sewerage will be done by the concerned ULBs and PPP opportunities will be explored for recovery of O&M cost. . In the initial stages the user charges collected may not be sufficient to recover the entire O&M cost for which ULBs have to increase user charges, reduction in non-revenue water, adopt energy efficient system etc.

In case of sewerage (STPs), PPP mode of procurement will be explored which also envisages recycling and reuse of treated waste water, sludge etc. In case of child / elderly

friendly parks and green spaces, RWAs (Resident Welfare Associations) or NGOs are proposed to be involved in their maintenance and upkeep, putting their own resources, if necessary supplemented by ULB's revenues. Financial and / or institutional support from Corporates (Corporate Social Responsibility funds) /NGOs will also be elicited to ensure sustainable O&M of these amenities.

- **Is it through an appropriate cost recovery mechanism in order to make them self-reliant and cost-effective? How? (250 words)**

Yes. An ample O&M cost recovery mechanism and adopting a cost centric approach in order to have effective control over the revenues and expenditures on each sector, and accordingly adopting appropriate strategies to meet the O&M costs through user charges, effective billing and collection, tariff rationalization, use of ICT, smart metering and SCADA etc. and reconciling with electricity bills, Property Tax assessments to eliminate / reduce unauthorized connections and save costs through energy conservation and efficiency improvement in pumping stations and other electrical installations.

Cost recovery mechanism will be formulated while preparation of DPR and will be a part of all the projects prepared under the mission

Effective asset management strategies will also be evolved to generate revenues from the land assets possessed by the ULBs in the water works premises by enhancing the amenity values by utilizing the surplus space for green space development, child friendly parks etc.

### 3.3 Reforms 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:

- Fill out the tables prescribed by the TCPO. What are the Reform type, steps and Target for 2016-17? (tabular; 300 words)

SN	Type	Steps	Status of Implementation (2016-17)	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
1	E-Governance	<p>1. Coverage with E-MAAS (from the date of hosting the software)</p> <ul style="list-style-type: none"> <li>- Registration of Birth, Death and Marriage,</li> <li>- Water &amp; Sewerage Charges,</li> <li>- Grievance Redressal,</li> <li>- Property Tax,</li> <li>- Advertisement tax</li> <li>- Issuance of Licenses,</li> <li>- Building Permissions,</li> <li>- Mutations,</li> <li>- Payroll,</li> <li>- Pension and e-procurement</li> </ul>	<ul style="list-style-type: none"> <li>• Done</li> <li>• Municipal Reforms Cell (<a href="http://www.mrc.gov.in/">http://www.mrc.gov.in/</a>) is established under DMA to enable the ULBs in implementation of E-Governance applications.</li> <li>• MRC is providing the following citizen-centric online services (which are accessible through internet) : <ul style="list-style-type: none"> <li>- Registration and Certification of Births and Deaths,</li> <li>- Water &amp; Sewerage Charges (through Janidhi),</li> <li>- Grievance Redressal (through PGR)</li> <li>- Property Tax (through GIS based Aasthi)</li> <li>- Issuance of Licenses (Trade License)</li> <li>- Building Permissions (Building license )</li> <li>- Mutations, (E-Aasthi) etc,</li> <li>- Pension</li> </ul> </li> <li>• HRMS System for <ul style="list-style-type: none"> <li>- Payroll (through HRMS)</li> </ul> </li> </ul>	27	27	27	-



SN	Type	Steps	Status of Implementation (2016-17)	Target for the last FY (# of ULBs)	Achieveme nt for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
			<p>(<a href="http://www.hrms.karnataka.gov.in/HRMS/">http://www.hrms.karnataka.gov.in/HRMS/</a>)</p> <ul style="list-style-type: none"> <li>Centre for e-Gov is responsible for               <ul style="list-style-type: none"> <li>E-procurement (URL:<a href="https://eproc.karnataka.gov.in/eportal/index.seam">https://eproc.karnataka.gov.in/eportal/index.seam</a>)</li> </ul> </li> </ul>				
2	Constitution and professionalization of municipal cadre	2. Establishment of municipal cadre.	<ul style="list-style-type: none"> <li>Municipal cadre has been established as per Karnataka Municipal Administrative Service Rules, 1970</li> <li>URL to view the notification: <a href="http://webcache.googleusercontent.com/search?q=cache:http://www.uddkar.gov.in/kmasrules&amp;gws_rd=cr&amp;ei=qzB1VpubCMeTuATZi7LIAg">http://webcache.googleusercontent.com/search?q=cache:http://www.uddkar.gov.in/kmasrules&amp;gws_rd=cr&amp;ei=qzB1VpubCMeTuATZi7LIAg</a></li> </ul>	27	27	27	-
		3. Cadre linked training	<ul style="list-style-type: none"> <li>ATI, SIUD &amp; MRC are designated to impart Cadre linked trainings</li> <li>URLs: ATI:<a href="http://www.atimysore.gov.in/">http://www.atimysore.gov.in/</a> SIUD: <a href="http://www.siudmysore.gov.in/">http://www.siudmysore.gov.in/</a> MRC:<a href="http://www.mrc.gov.in/">http://www.mrc.gov.in/</a></li> </ul>	27	27	27	-
3	Augmenting double entry accounting	4. Appointment of internal auditor.	<ul style="list-style-type: none"> <li>All the ULBs have appointed internal auditors and have published the reports over website. e.g. Snapshot of Belgaum City Website with proof of Audit Report is enclosed as Annexure R3. Same can also be viewed through the link: <a href="http://www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary_statement_2016-17.pdf">http://www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary_statement_2016-17.pdf</a></li> </ul>	27	27	27	-



SN	Type	Steps	Status of Implementation (2016-17)	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
		5. Publication of annual financial statement on website	<ul style="list-style-type: none"> <li>Done</li> <li>All the ULBs are publishing their annual financial statement on website as per the norms of RTI Act, 2005 &amp; Public Disclosure Law.</li> <li>Eg; Link to online financial statements of Hassan ULB: <a href="http://www.hassancity.mrc.gov.in/node/65">http://www.hassancity.mrc.gov.in/node/65</a></li> <li>Link to online financial statements of Tumakuru ULB: <a href="http://www.mysorecity.mrc.gov.in/budgets">http://www.mysorecity.mrc.gov.in/budgets</a></li> </ul>	27	27	27	-
4	Urban Planning and City Development Plans	6. Develop at least one Children Park every year in the AMRUT cities.	<ul style="list-style-type: none"> <li>Done</li> <li>All the ULBs have developed Children Parks in their City/towns</li> <li>It is also proposed under AMRUT to develop Children Parks every year in the AMRUT cities</li> </ul>				
		7. Make a State Level policy for implementing the parameters given in the National Mission for Sustainable Habitat	<ul style="list-style-type: none"> <li>All the ULBs have submitted SLIPS for the developing of Parks, green spaces and water works and other developmental works as envisaged in the scheme</li> </ul>	27	27	27	-
5	Devolution of funds and functions	8. Implementation of SFC recommendations within timeline.	<ul style="list-style-type: none"> <li>SFC mechanism already exists in the State &amp; its recommendations are considered by the Govt.</li> <li>14th Finance Grants allotted to the selected ULBs vide GO No UDD 58 SFC 2016, dated 23-03-2016.</li> <li>A copy of the Govt. order is attached.</li> </ul>	27	27	27	-
6	Review of Building by-laws	9. State to formulate a policy and action plan for having a solar roof	<ul style="list-style-type: none"> <li>The local bodies, while approving the buildings plans for the new constructions have made mandatory for</li> </ul>	27	27	27	-

SN	Type	Steps	Status of Implementation (2016-17)	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
		top in all buildings having an area greater than 500 square meters and all public buildings	<p>having solar roof top for the Domestic purposes and also have made compulsory to make provisions for rainwater harvesting and is being effectively implemented in the state.</p> <p>Policies are enclosed as Annexure R-4 and the same can also be referred through the following web link:  <a href="http://www.cmakarnataka.com/sites/cmakarnataka.com/files/doc_RWH_Guidelines.pdf">www.cmakarnataka.com/sites/cmakarnataka.com/files/doc_RWH_Guidelines.pdf</a>(Policy for Rainwater Harvesting)  <a href="http://bwssb.gov.in/sites/default/files/RWH%20GAZATTE%20NOTIFICATIONS.pdf">bwssb.gov.in/sites/default/files/RWH%20GAZATTE%20NOTIFICATIONS.pdf</a> (Policy for Rainwater Harvesting)</p>				
		10. State to formulate a policy and action plan for having Rainwater harvesting structures in all commercial, public buildings and new buildings on plots of 300 sq. meters and above	<p>11. Government of Karnataka has issued the policies for Solar Roof tops and Rain Water Harvesting which can be referred through the web link provided as under:</p> <p>Policies are enclosed as Annexure R-4 and the same can also be referred through the following web link:  <a href="http://kredinfo.in/solargrid/Solar%20Policy%202014-2021.pdf">kredinfo.in/solargrid/Solar%20Policy%202014-2021.pdf</a> (Policy for Solar Rooftop)  <a href="http://bescom.org/wp-content/uploads/2014/10/20.-Guidelines-to-Consumers1.pdf">bescom.org/wp-content/uploads/2014/10/20.-Guidelines-to-Consumers1.pdf</a> (Policy for Solar Rooftop)</p>	27	27	27	-
7	Establish and operationalize financial intermediary- pool finance, access external	12. Establish and operationalize financial intermediary- pool finance, access external funds, float municipal bonds.	<ul style="list-style-type: none"> <li>The state has created Karnataka Urban Finance and Infrastructure Development Corporation (KUFIDC) for obtaining project sanctions, monitoring and channelizing funds from Govt. of India and external funding agencies to the ULBs/Parastatals.</li> </ul>	27	27	27	-

SN	Type	Steps	Status of Implementation (2016-17)	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
	funds, float municipal bonds		<ul style="list-style-type: none"> <li>Hence, for providing credit to the ULBs for undertaking projects in accordance with strict banking norms and for efficient recovery of the same, and for creating a revolving fund to meet future infrastructure project funding needs, the State will use the KUIDFC for the purpose.</li> <li>KUIDFC is already serving as an agency for this purpose.</li> <li>URL is <a href="http://www.kuidfc.com/">http://www.kuidfc.com/</a></li> </ul>				
8	Credit Rating	13. Complete the credit ratings of the ULBs.	<ul style="list-style-type: none"> <li>Appointment of Agency is for 'Credit Rating' of the City/Towns under AMRUT &amp; Smart City Mission has been done by the KUIDFC.</li> <li>The Credit Rating of the ULBs will be done by end of March'17.</li> </ul>	--	--	--	27
9	Energy and Water audit	14. Give incentives for green buildings (e.g. rebate in property tax or charges connected to building permission/development charges).	<ul style="list-style-type: none"> <li>This will be achieved by end of March 2017.</li> </ul>	-	-	-	27

**TABLE 5.5 SAAP- SELF- EVALUATION FOR REPORTING PROGRESS ON REFORM IMPLEMENTATION**

Name of the State: Karnataka

FY- 2016-17

The reforms achievement will be measured every year after the end of financial year by allocating 10 marks for each reforms milestone achieved as against the targets set by the MoUD.

SN	Year	No of milestones	Maximum Score	Score obtained	%
1	2ndyear	13	130	110	84.61%

**Incentive based grant release calculation:**

The States will be required to fill the following Self-Assessment Form:

Step1: Fill the following table:

SN	Name of the ULBs	Maximum Score possible during the year	Score obtained ULB Wise	% obtained
1.	Badami	130	110	84.61
2.	Bagalkote	130	110	84.61
3.	Ballari	130	110	84.61
4.	Bangalore	130	110	84.61
5.	Belagaum	130	110	84.61
6.	Bhadravathi	130	110	84.61
7.	Bidar	130	110	84.61
8.	Bijapura	130	110	84.61
9.	Chickamagalur	130	110	84.61
10.	Chitradurga	130	110	84.61
11.	Davanagere	130	110	84.61
12.	Gadag-Betageri	130	110	84.61

SN	Name of the ULBs	Maximum Score possible during the year	Score obtained ULB Wise	% obtained
13.	Gangavathi	130	110	84.61
14.	Gulbarga	130	110	84.61
15.	Hassan	130	110	84.61
16.	Hospet	130	110	84.61
17.	Hubli-Dharwad	130	110	84.61
18.	Kolar	130	110	84.61
19.	Mandya	130	110	84.61
20.	Mangalore	130	110	84.61
21.	Mysore	130	110	84.61
22.	Raichur	130	110	84.61
23.	Ranebennur	130	110	84.61
24.	Robertsonpet KGF	130	110	84.61
25.	Shimoga	130	110	84.61
26.	Tumakur	130	110	84.61
27.	Udupi	130	110	84.61
	<b>Subtotal ULB</b>		<b>2970</b>	<b>2284.47</b>
	<b>State</b>	130	<b>110</b>	<b>84.61</b>
	Subtotal State	130	<b>110</b>	<b>84.61</b>
	<b>Overall</b>	130	<b>110</b>	<b>84.61</b>

## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

- **Have any issues been identified during the review by HPSC on Reforms implementation? What are the issues? (250 words)**  
No issues been identified during the review by HPSC on Reforms implementation
- **Have these issues been considered while planning for reform implementation? How? (tabular; 250 words)**  
No issues been identified during the review by HPSC on Reforms implementation.

### 3.4 Annual Capacity Building Plan

The state is required to submit a Capacity Development Plan along with the SAAP for approval by the MoUD, 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? (350 words)**

SN	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
1	27 AMRUT Cities	Urban Stakeholders (ToT)	30	27 ULBs	27 ULBs	State Institute for Urban Development (SIUD)
		Elected Representatives	486	486	157	
		Administration Department	2430	1944	979	
		Finance Department				
		Engineering and Public Health Dept.				
Town Planning Department						
<b>Total</b>			<b>2916</b>	<b>2430</b>	<b>1136</b>	-

Trainings were conducted in various batches on following subjects/ sectors:

- Finance & Revenue
- Engineering & Public Health
- Town Planning
- Administration
- Sensitization Program for ERPs

- **Do you feel that there is a need to include any other category of official, new department or module? (400 words)**

The State intends that the employees working under contract basis in the ULBs, parastatals agencies, for the GoI Missions, also to be included in the training programmes. Officers/ officials from departments like Karnataka Urban Water Supply & Drainage Board, KUIDFC, Karnataka Slum Development Board, Town & Country Planning, Transport Department etc. are involving in development of Urban Infrastructure will also be included under capacity building programmes of AMRUT

- **What are the issues that are been identified during the review? (350 words)**

## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

Individual Capacity Building programmes are commenced by the SIUD and completed Capsule-I & Capsule-II. Capsule-III to be commenced from February 2017 and to be completed by 31st March 2017.

- **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?**

The Action Plan including Training, Exposure Visits (ULB staff and elected representatives), seminars/workshops, etc has been submitted by the SIUD to MoUD and NIUA for the year 2015-16 & 2016-17 in the month of April 2016. As per the information obtained by the SIUD, the NIUA, in principle, has accorded approval for the same.

Seven Sensitization programme for Elected Representatives were conducted along with field visits. The module was vetted by NIUA, New Delhi.

- **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?**

The State RPMC was established under CCBP has been converted in to SMMU as per the Gol guidelines on AMRUT & OM No.K-13012/101(16)/2015-SCM-III-V, dated 18.8.2015.

Establishment of City Level Mission Management Units-CMMUs:

- Tenders invited and Only one bid is received for Mysore Division.
- Key reason for less participation in the bidding: As per the MOUD OM and guidelines, the financial support for each CMMU professional providing by MoUD, Gol is Rs.55,000/- per month. The Consultancy Firms/Bidders, in Pre-bid conference held on 05.08.2016 have expressed that the amount fixed for CMMU professional is very less and it includes all the applicable service taxes. And, that it could be difficult to get qualified and experienced professionals for this remuneration, the same needs to be enhanced.
- DMA vide, letter No.12410 DMA 22 DEVT 2015-16, Dt.12.08.2016 requested MOUD to enhance this amount to 1.25 Lakhs per month per person.
- Reply from MoUD is awaited.
- Agenda is being placed before SHPSC.

The UMC established at ATI, Mysuru under JnNURM-II has been discontinued Gol guidelines on AMRUT (FAQs)

No PMUs, PIUs established under earlier JnNURM mission are continuing under AMRUT.



## State Annual Action Plan (SAAP) for Remaining Years of Mission Period

- **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? (p. 67)**
  - KUIDFC, a SLNA for SCM, has empanelled the handholding agencies, consulting firms for preparation of Smart City Proposal for the Smart Cities selection competition.
  - PDMC is being appointed, SLIPs & DPRs have been prepared by the concerned ULBs & parastatals
  - SLNA, through SMMU, is assisting ULBs in implementing the reform agenda focusing on outcomes, as given in AMRUT Reforms and identified indicators in the CCBP toolkit
  - Special Purpose Vehicles (SPVs) to be established under the Smart City Mission are being established
  - State is exploring the options to mobilize external resources, improve internal resource generation of the ULBs, convergence with other infrastructure initiatives.
  - State is initiated actions towards develop multi-layer GIS maps connected to data (attribute tables) in order to enable ULBs to use GIS for decision-making.
  - SLNA, through SMMU, is assisting the States/ULBs to revise Laws and Rules (e.g. land pooling) for implementing the AMRUT Reform Agenda

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

Individual Capacity Building programmes are being commenced by the SIUD. The Score Cards will be submitted separately.

- **Have those issues been addressed? How? (500 words)**

Funds for the individual capacity building activities and A & OE are not yet been released by the Gol.

### 3.5 A&OE

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? (200 words)**

(In Cr.)

SN	Items proposed for A&OE	Amount estimated
1	Preparation of SLIP, SAAP and DPR	6.75
2	PDMC	107.87
3	Publications (e-Newsletter, guidelines, brochures etc.)	0.50
4	<b>Capacity Building Activities under AMRUT</b>	
	4a. Training Needs Assessment (TNA)	0.00
	4b. Trainings under AMRUT- Staff/Functionaries & Elected Representatives of ULBs	0.00
	4c. Workshops, Seminars etc under AMRUT	0.22
	4d. Research studies and documentation	4.05
	4e. Preparation of Information Education and Communication (IEC) materials (Rs.5 Laks per ULB X 27 ULBs)	4.05
	4f. Exposure Visit	3.00
5	Reform implementation	2.23
6	<b>Others</b>	
	6a. Establishment Cost of State MMU/SRPMC	1.18
	6b. Establishment Cost of City MMUs	10.49
	6c. Supporting Cost includes local travel and Stationery for SMMU	0.59
	6d. Supporting Cost includes local travel and Stationery for CMMUs	5.54
<b>Total</b>		<b>146.68</b>

- **What are the issues that are been identified during the review? (350 words)**  
The total fund allocation from GoI under A&OE is expected to be Rs. 185.65 Crores and proposal for the same is being submitted accordingly by the State.
- **Have the A&OE fund used only for admissible components? (200 words)**  
Yes, the A&OE funds are being used only for admissible components.
- **How the ULB/State wants to carry out the implementation of the projects, (establishment of IRMA/PDMC/SMMU/CMMU)? (350 words)**

State intends to carry out the implementation of the projects under AMRUT through PDMC (appointed), SMMU (established), CMMUs (being established) & IRMA (to be appointed by GoI).

### 3.6 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? (it should not be less than 20 percent of the total project cost, Para 7.4 of AMRUT Guidelines) (150 words)**

The State resolves to contribute its 20% i.e. Rs.990.57 Cr. for the entire mission period, estimating the total mission period projectable cost at Rs. **4952.87/-**

- 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? (tabular; 200 words)

FY- 2017-18, 2018-19 & 2019-10

(in Cr.)

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
1	Badami	35.13	17.57	0.00	7.03	7.03	0.00	10.54	10.54	5.86	0.00	2.34	2.34	0.00	3.51	3.51	11.71	0.00	4.68	4.68	0.00	7.03	7.03
2	Bagalkote	114.43	46.10	0.00	18.44	18.44	0.00	27.66	27.66	19.07	0.00	7.63	7.63	0.00	11.44	11.44	38.14	0.00	15.26	15.26	0.00	22.89	22.89
3	Bangalore	939.17	153.38	0.00	91.98	91.98	0.00	214.50	214.50	104.38	0.00	62.61	62.61	0.00	146.06	146.06	208.75	0.00	125.23	125.23	0.00	292.13	292.13
4	Belgaum CC	179.59	60.34	0.00	24.14	24.14	0.00	36.20	36.20	29.93	0.00	11.97	11.97	0.00	17.96	17.96	59.86	0.00	23.95	23.95	0.00	35.92	35.92
5	Bellary CC	180.69	63.59	0.00	25.43	25.43	0.00	38.15	38.15	30.12	0.00	12.05	12.05	0.00	18.07	18.07	60.23	0.00	24.09	24.09	0.00	36.14	36.14
6	Bhadravathi	153.03	48.55	0.00	19.42	19.42	0.00	29.13	29.13	25.51	0.00	10.20	10.20	0.00	15.30	15.30	51.01	0.00	20.40	20.40	0.00	30.61	30.61
7	Bidar	176.99	45.05	0.00	18.02	18.02	0.00	27.03	27.03	29.50	0.00	11.80	11.80	0.00	17.70	17.70	59.00	0.00	23.60	23.60	0.00	35.40	35.40
8	Bijapura CC	181.98	66.52	0.00	26.61	26.61	0.00	39.91	39.91	30.33	0.00	12.13	12.13	0.00	18.20	18.20	60.66	0.00	24.26	24.26	0.00	36.40	36.40
9	Chickamagalur	119.32	30.23	0.00	12.09	12.09	0.00	18.14	18.14	19.89	0.00	7.95	7.95	0.00	11.93	11.93	39.77	0.00	15.91	15.91	0.00	23.86	23.86
10	Chitradurga	140.57	42.95	0.00	17.18	17.18	0.00	25.77	25.77	23.43	0.00	9.37	9.37	0.00	14.06	14.06	46.86	0.00	18.74	18.74	0.00	28.11	28.11
11	Davanagere	179.96	64.47	0.00	25.79	25.79	0.00	38.68	38.68	29.99	0.00	12.00	12.00	0.00	18.00	18.00	59.99	0.00	23.99	23.99	0.00	35.99	35.99
12	Dharwad CC	176.76	77.35	0.00	30.94	30.94	0.00	46.41	46.41	29.46	0.00	11.78	11.78	0.00	17.68	17.68	58.92	0.00	23.57	23.57	0.00	35.35	35.35
13	Gadag-Betageri	188.89	62.10	0.00	24.84	24.84	0.00	37.26	37.26	31.48	0.00	12.59	12.59	0.00	18.89	18.89	62.96	0.00	25.19	25.19	0.00	37.78	37.78
14	Gangavathy	110.78	22.82	0.00	9.13	9.13	0.00	13.69	13.69	18.46	0.00	7.39	7.39	0.00	11.08	11.08	36.93	0.00	14.77	14.77	0.00	22.16	22.16
15	Gulbarga CC	172.37	57.02	0.00	22.81	22.81	0.00	34.21	34.21	28.73	0.00	11.49	11.49	0.00	17.24	17.24	57.46	0.00	22.98	22.98	0.00	34.47	34.47
16	Hassan	142.28	49.82	0.00	19.93	19.93	0.00	29.89	29.89	23.71	0.00	9.49	9.49	0.00	14.23	14.23	47.43	0.00	18.97	18.97	0.00	28.46	28.46
17	Hospet	175.64	49.98	0.00	19.99	19.99	0.00	29.99	29.99	29.27	0.00	11.71	11.71	0.00	17.56	17.56	58.55	0.00	23.42	23.42	0.00	35.13	35.13

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
18	Kolar	138.37	37.13	0.00	14.85	14.85	0.00	22.28	22.28	23.06	0.00	9.22	9.22	0.00	13.84	13.84	46.12	0.00	18.45	18.45	0.00	27.67	27.67
19	Mandya	138.90	41.79	0.00	16.72	16.72	0.00	25.07	25.07	23.15	0.00	9.26	9.26	0.00	13.89	13.89	46.30	0.00	18.52	18.52	0.00	27.78	27.78
20	Mangalore CC	185.52	4.14	0.00	1.65	1.65	0.00	2.48	2.48	30.92	0.00	12.37	12.37	0.00	18.55	18.55	61.84	0.00	24.74	24.74	0.00	37.10	37.10
21	Mysore CC	189.94	64.22	0.00	25.69	25.69	0.00	38.53	38.53	31.66	0.00	12.66	12.66	0.00	18.99	18.99	63.31	0.00	25.33	25.33	0.00	37.99	37.99
22	Raichur	176.42	68.77	0.00	27.51	27.51	0.00	41.26	41.26	29.40	0.00	11.76	11.76	0.00	17.64	17.64	58.81	0.00	23.52	23.52	0.00	35.28	35.28
23	Rannebennur	118.60	44.00	0.00	17.60	17.60	0.00	26.40	26.40	19.77	0.00	7.91	7.91	0.00	11.86	11.86	39.53	0.00	15.81	15.81	0.00	23.72	23.72
24	Robersonpet	145.26	41.17	0.00	16.47	16.47	0.00	24.70	24.70	24.21	0.00	9.68	9.68	0.00	14.53	14.53	48.42	0.00	19.37	19.37	0.00	29.05	29.05
25	Shimoga CC	180.82	52.28	0.00	20.91	20.91	0.00	31.37	31.37	30.14	0.00	12.05	12.05	0.00	18.08	18.08	60.27	0.00	24.11	24.11	0.00	36.16	36.16
26	Tumkur CC	178.93	51.56	0.00	20.62	20.62	0.00	30.94	30.94	29.82	0.00	11.93	11.93	0.00	17.89	17.89	59.64	0.00	23.86	23.86	0.00	35.79	35.79
27	Udupi	132.53	2.25	0.00	0.90	0.90	0.00	1.35	1.35	22.09	0.00	8.84	8.84	0.00	13.25	13.25	44.18	0.00	17.67	17.67	0.00	26.51	26.51
<b>Grand Total</b>		<b>4952.87</b>	<b>1365.08</b>	0.00	576.66	576.66	0.00	941.52	941.52	773.33	0.00	330.19	330.19	0.00	547.43	547.43	1546.65	0.00	660.39	660.39	0.00	1094.87	1094.87

• **How the residual financing (over and above Central Government share) is shared between the States, ULBs**

Funding requirements other than the Central share will be met jointly by the State Government and the concerned ULBs. The State Government will contribute 20% share of the total project cost while the ULBs will meet the remaining project cost. ULBs will utilize the funds available under the 14th Finance Commission Grants, the 5th State Finance Commission Grants, Swachh Bharat Mission Grants, donor funded projects (ADB, DFID) and user charges. In case of shortfalls after all options have been duly explored, the State may consider additional funding on a case-to-case basis.

**TABLE 3.3: SAAP - ULB WISE SOURCE OF FUNDS FOR ALL SECTORS**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10  
(In Cr.)

SN	Name of ULB	Centre	State			ULB			Convergence	Others (e.g. incentive)	Total
			14th FC	Others	Total	14th FC	Others	Total			
1	Badami	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Bagalkote	11.12	0.00	4.45	4.45	0.00	6.67	6.67	0.00	0.00	22.24
3	Bangalore	159.75	0.00	95.86	95.86	0.00	223.69	223.69	0.00	0.00	479.31
4	Belgaum CC	29.46	0.00	11.78	11.78	0.00	17.67	17.67	0.00	0.00	58.91
5	Bellary CC	26.76	0.00	10.70	10.70	0.00	16.06	16.06	0.00	0.00	53.52
6	Bhadravathi	27.97	0.00	11.19	11.19	0.00	16.78	16.78	0.00	0.00	55.93
7	Bidar	43.45	0.00	17.38	17.38	0.00	26.07	26.07	0.00	0.00	86.89
8	Bijapura CC	24.48	0.00	9.79	9.79	0.00	14.69	14.69	0.00	0.00	48.95
9	Chickamagalur	29.44	0.00	11.77	11.77	0.00	17.66	17.66	0.00	0.00	58.87
10	Chitradurga	27.34	0.00	10.94	10.94	0.00	16.40	16.40	0.00	0.00	54.68
11	Davanagere	25.52	0.00	10.21	10.21	0.00	15.31	15.31	0.00	0.00	51.03
12	Dharwad CC	11.03	0.00	4.41	4.41	0.00	6.62	6.62	0.00	0.00	22.06
13	Gadag-Betageri	32.35	0.00	12.94	12.94	0.00	19.41	19.41	0.00	0.00	64.69
14	Gangavathy	32.57	0.00	13.03	13.03	0.00	19.54	19.54	0.00	0.00	65.14
15	Gulbarga CC	29.17	0.00	11.67	11.67	0.00	17.50	17.50	0.00	0.00	58.34
16	Hassan	21.33	0.00	8.53	8.53	0.00	12.80	12.80	0.00	0.00	42.65
17	Hospet	37.85	0.00	15.14	15.14	0.00	22.71	22.71	0.00	0.00	75.69
18	Kolar	32.06	0.00	12.82	12.82	0.00	19.24	19.24	0.00	0.00	64.12
19	Mandya	27.66	0.00	11.06	11.06	0.00	16.60	16.60	0.00	0.00	55.32

SN	Name of ULB	Centre	State			ULB			Convergence	Others (e.g. incentive)	Total
			14th FC	Others	Total	14th FC	Others	Total			
20	Mangalore CC	88.63	0.00	35.45	35.45	0.00	53.18	53.18	0.00	0.00	177.25
21	Mysore CC	30.76	0.00	12.30	12.30	0.00	18.45	18.45	0.00	0.00	61.51
22	Raichur	19.44	0.00	7.78	7.78	0.00	11.66	11.66	0.00	0.00	38.88
23	Ranebennur	15.30	0.00	6.12	6.12	0.00	9.18	9.18	0.00	0.00	30.60
24	Robersonpet	31.46	0.00	12.58	12.58	0.00	18.88	18.88	0.00	0.00	62.92
25	Shimoga CC	38.14	0.00	15.25	15.25	0.00	22.88	22.88	0.00	0.00	76.27
26	Tumkur CC	37.91	0.00	15.16	15.16	0.00	22.74	22.74	0.00	0.00	75.81
27	Udupi	64.02	0.00	25.61	25.61	0.00	38.41	38.41	0.00	0.00	128.03
<b>Grand Total</b>		<b>954.90</b>	<b>0.00</b>	<b>413.92</b>	<b>413.92</b>	<b>0.00</b>	<b>700.78</b>	<b>700.78</b>	<b>0.00</b>	<b>0.00</b>	<b>2069.61</b>

- **Has any other sources identified by the State/ULB (e.g. PPP, market borrowing)**

No.

- **Whether complete project cost is linked with revenue sources in SAAP? Please describe? (250 words)**

Project costs have been linked to all possible funding/revenue sources. However, the State Government may step in as required on a Case-to-case basis as the Mission progresses.

- **Has projects been dovetailed with other sectoral and financial programme of the Centre and State Governments? (250 words).**

Projects have been dovetailed with other sectoral and financial programmes of the Central Government like the JnNURM, ADB, Swachh Bharat Mission, Namami Gange, Smart Cities Mission, 14th Finance Commission etc.

To be more specific, WS in Managlore, WS & UGD in Udupi, WS in Davangiri are converged with the ADB assisted KUWMIP projects.

- Has States/UTs explored the possibility of using Public Private Partnerships (PPP), as a preferred execution model? Please discuss. (300 words)

Nil

- Are PPP options included appropriate Service Level Agreements (SLAs) which may lead to the People Public Private Partnership (PPPP) model? How? (300 words)

The SAAP for Karnataka does not have a very major focus on this aspect although; it has been decided that maintenance of parks in some of the ULBs may be taken up by NGOs, RWA's, Government Organizations and by Corporates under CSR. Activities.



## Chapter 4: Tables

**TABLE 1.1: BREAKUP OF TOTAL MOUD ALLOCATION IN AMRUT**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(in Cr.)

Total Central Funds allocated to State (2017- 20)	Allocation of Central funds for A&OE (@8% of Total given in column 1)	Allocation of funds for AMRUT (Central share)	Project proposal Submitted - CA	*State /ULB share	Total AMRUT annual size (cols.2+4+5)
1	2	3	4	5	6
954.904	76.392	954.904	954.904	1114.706	2146.002

**TABLE 1.2.1: ABSTRACT-SECTOR WISE PROPOSED TOTAL PROJECT FUND AND SHARING PATTERN**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(In Cr.)

SN	Sector	No. of Projects	Centre	State	ULB	Convergence	Others	Total
1	Water Supply	23.000	387.809	164.290	269.351	0.000	0.000	821.450
2	Sewerage and Septage Management	21.000	474.645	212.294	374.531	0.000	0.000	1061.470
3	Storm Water Drainage	11.000	59.235	23.694	35.541	0.000	0.000	118.470
4	Urban Transport	7.000	10.635	4.254	6.381	0.000	0.000	21.270
5	Green Spaces and Parks	27.000	22.580	9.390	14.980	0.000	9.000	46.950
6	Sub-Total	89.000	954.904	413.922	700.784	0.000	0.000	2069.610
7	Reforms	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Grand Total	89.000	954.904	413.922	700.784	0.000	0.000	2069.610

**TABLE 1.2.2: ABSTRACT-SECTOR WISE PROPOSED TOTAL PROJECT FUND AND SHARING PATTERN**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(In Cr.)

SN	Sector	Centre	State			ULB			Convergence	Others	Total
		Mission	14th FC	Others	Total	14th FC	Others	Total			
1	Water Supply	387.809	0.000	164.290	164.290	0.000	269.351	269.351	0.000	0.000	821.450
2	Sewerage and Septage Management	474.645	0.000	212.294	212.294	0.000	374.531	374.531	0.000	0.000	1061.470
3	Storm Water Drainage	59.235	0.000	23.694	23.694	0.000	35.541	35.541	0.000	0.000	118.470
4	Urban Transport	10.635	0.000	4.254	4.254	0.000	6.381	6.381	0.000	0.000	21.270
5	Green Spaces and Parks	22.580	0.000	9.390	9.390	0.000	14.980	14.980	0.000	0.000	46.950
6	Reforms										0.000
7	Grand Total	954.904	0.000	413.922	413.922	0.000	700.784	700.784	0.000	0.000	2069.610

**TABLE 1.3: ABSTRACT-USE OF FUNDS ON PROJECTS: ON GOING AND NEW**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(In Cr.)

SN	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
1	Water Supply	2099.43	629.33	0.00	255.64	255.64	0.00	393.01	393.01	339.05	0.00	139.98	139.98	0.00	220.79	220.79	678.09	0.00	279.95	279.95	0.00	441.57	441.57
2	Sewerage and Septage Management	2401.36	604.53	0.00	268.02	268.02	0.00	467.34	467.34	359.73	0.00	160.10	160.10	0.00	280.62	280.62	719.45	0.00	320.21	320.21	0.00	561.25	561.25
3	Storm Water Drainage	286.10	83.82	0.00	33.57	33.57	0.00	50.24	50.24	47.69	0.00	19.09	19.09	0.00	28.59	28.59	95.37	0.00	38.18	38.18	0.00	57.19	57.19
4	Urban Transport	56.15	17.44	0.00	7.02	7.02	0.00	10.42	10.42	9.36	0.00	3.76	3.76	0.00	5.60	5.60	18.72	0.00	7.52	7.52	0.00	11.20	11.20
5	Green Spaces and Parks	109.83	28.97	0.00	12.53	12.53	0.00	21.38	21.38	17.18	0.00	7.31	7.31	0.00	12.12	12.12	34.37	0.00	14.61	14.61	0.00	24.24	24.24
6	<b>Grand Total</b>	<b>4952.87</b>	<b>1364.09</b>	<b>0.00</b>	<b>576.78</b>	<b>576.78</b>	<b>0.00</b>	<b>942.39</b>	<b>942.39</b>	<b>773.00</b>	<b>0.00</b>	<b>330.23</b>	<b>330.23</b>	<b>0.00</b>	<b>547.72</b>	<b>547.72</b>	<b>1546.00</b>	<b>0.00</b>	<b>660.47</b>	<b>660.47</b>	<b>0.00</b>	<b>1095.45</b>	<b>1095.45</b>

**TABLE 1.4: ABSTRACT-PLAN FOR ACHIEVING SERVICE LEVEL BENCHMARKS**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

Proposed Priority Projects	Total Project Cost	Indicator	Unit	Benchmark	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)				
						FY 2017		FY 2018	FY 2019	FY 2020
						H1	H2			
Water Supply	821.45	1. Household level coverage of direct water supply connections	%	100	54.74	58.59	68.5	80.91	86.91	93.18
		2. Per capita quantum of water supplied (LPCD)	LPCD	135	91.68	91.73	97.77	108.27	120.23	126.69
		3. Quality of water supplied	%	100	82.22	89.14	92.32	97.82	99.55	99.55
Sewerage and Septage Management	1061.47	4. Coverage of latrines (individual or community)	%	100	75.11	79.85	82.33	85.38	88.29	100
		5. Coverage of sewerage network services	%	100	45.15	48.45	55.36	67.57	80.05	86.95
		6. Efficiency of Collection of Sewerage	%	100	37.51	42.25	51.19	70.29	79.33	87.33
		7. Efficiency in treatment	%	100	39.95	44.01	50.86	73.33	85.1	92.95
Storm Water Drainage	118.47	8. Coverage of storm water drainage network	%	100	22.59	23.44	29.81	36.71	44.41	50.93
Urban Transport	21.27	9. Service coverage of urban transport in the City	LOS	0.3 - 07	4.94	5.91	11.2	14.74	19.02	19.01
		10. Availability of urban transport per 1000 population	LOS	<.2	0.44	0.44	0.44	0.44	0.44	0.44
Green Spaces and Parks	46.95	11. Per person park area (in sqm.)	Sq.M	10-12	0.26	2.17	2.25	2.27	2.32	2.37
<b>Total</b>	<b>2069.61</b>									

**TABLE 3.1: SAAP – MASTER PLAN OF ALL PROJECTS DETAILS TO ACHIEVE UNIVERSAL COVERAGE DURING THE CURRENT MISSION PERIOD BASED ON TABLE 2.1**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10  
(In Cr.)

SN	Name of ULB (Water Supply and Sewerage)	Total number of projects to achieve universal coverage	Estimated	Number of years to achieve universal coverage
1	2	3	4	5
1	Badami	0	0	3
2	Bagalkote	2	19.19	3
3	Bangalore	2	473.94	3
4	Belgaum CC	2	56.95	3
5	Bellary CC	2	53.33	3
6	Bhadravathi	2	41.54	3
7	Bidar	2	86.03	3
8	Bijapura CC	1	46.99	3
9	Chickamagalur	2	47.16	3
10	Chitradurga	2	40.3	3
11	Davanagere	1	49.34	3
12	Dharwad CC	2	20.6	3
13	Gadag-Betageri	2	36.9	3
14	Gangavathy	2	48.49	3
15	Gulbarga CC	1	56.87	3
16	Hassan	1	41.92	3
17	Hospet	2	69.08	3
18	Kolar	2	54.74	3

SN	Name of ULB (Water Supply and Sewerage)	Total number of projects to achieve universal coverage	Estimated	Number of years to achieve universal coverage
1	2	3	4	5
19	Mandya	2	54.59	3
20	Mangalore CC	1	172.75	3
21	Mysore CC	1	58.78	3
22	Raichur	1	37.41	3
23	Rannebennur	1	29.5	3
24	Robersonpet	2	54.77	3
25	Shimoga CC	2	33.14	3
26	Tumkur CC	2	70.94	3
27	Udupi	2	127.67	3
<b>Grand Total</b>		<b>44</b>	<b>1882.92</b>	

**TABLE 3.2: SECTOR WISE BREAKUP OF CONSOLIDATED INVESTMENTS FOR ALL ULBS IN THE STATE**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10  
(In Cr.)

SN	Name of ULB	Water Supply	Sewerage and Septage Management	Storm Water Drainage	Urban Transport	Green Spaces and Parks	Reforms*	Total
1	2	3	4	5	6	7	8	9
1	Badami	0	0	0	0	0	Part of A&OE Cost	0
2	Bagalkote	15.18	4.01	0.91	0.91	1.23		22.24
3	Bangalore	137.47	336.47	0	0	5.37		479.31
4	Belgaum CC	19.59	37.36	0	0	1.96		58.91
5	Bellary CC	10.85	42.48	0	0	0.19		53.52
6	Bhadravathi	17.97	23.57	11.74	0	2.65		55.93
7	Bidar	5.9	80.13	0	0	0.86		86.89
8	Bijapura CC	46.99	0	0	0	1.96		48.95
9	Chickamagalur	44.16	3	10.75	0	0.96		58.87
10	Chitradurga	33.7	6.6	13.11	0	1.27		54.68
11	Davanagere	49.34	0	0	0	1.69		51.03
12	Dharwad CC	16.76	3.84	0	0	1.46		22.06
13	Gadag-Betageri	7	29.9	10	5.98	11.81		64.69
14	Gangavathy	17.4	31.09	10.28	5.14	1.23		65.14
15	Gulbarga CC	0	56.87	0	0	1.47		58.34
16	Hassan	41.92	0	0	0	0.73		42.65
17	Hospet	2.22	66.86	2.69	2.46	1.46		75.69
18	Kolar	15.26	39.48	8.84	0	0.54		64.12



SN	Name of ULB	Water Supply	Sewerage and Septage Management	Storm Water Drainage	Urban Transport	Green Spaces and Parks	Reforms*	Total
1	2	3	4	5	6	7	8	9
19	Mandya	48.18	6.41	0	0	0.73		55.32
20	Mangalore CC	0	172.75	3.91	0	0.59		177.25
21	Mysore CC	58.78	0	0	0	2.73		61.51
22	Raichur	-10.05	47.46	0	0	1.47		38.88
23	Rannebennur	29.5	0	0	0	1.1		30.6
24	Robersonpet	42.92	11.85	4.57	2.37	1.21		62.92
25	Shimoga CC	2.74	30.4	41.67	0	1.46		76.27
26	Tumkur CC	59.42	11.52	0	4.41	0.46		75.81
27	Udupi	108.25	19.42	0	0	0.36		128.03
<b>Total Project Investments</b>								<b>2069.61</b>
<b>A&amp;OE</b>								<b>146.68</b>
<b>Grand Total</b>								<b>2216.29</b>

TABLE 3.3: SAAP - ULB WISE SOURCE OF FUNDS FOR ALL SECTORS

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10  
(In Cr.)

SN	Name of ULB	Centre	State			ULB			Convergence	Others (e.g. incentive)	Total
			14th FC	Others	Total	14th FC	Others	Total			
1	Badami	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Bagalkote	11.12	0.00	4.45	4.45	0.00	6.67	6.67	0.00	0.00	22.24
3	Bangalore	159.75	0.00	95.86	95.86	0.00	223.69	223.69	0.00	0.00	479.31
4	Belgaum CC	29.46	0.00	11.78	11.78	0.00	17.67	17.67	0.00	0.00	58.91
5	Bellary CC	26.76	0.00	10.70	10.70	0.00	16.06	16.06	0.00	0.00	53.52
6	Bhadravathi	27.97	0.00	11.19	11.19	0.00	16.78	16.78	0.00	0.00	55.93
7	Bidar	43.45	0.00	17.38	17.38	0.00	26.07	26.07	0.00	0.00	86.89
8	Bijapura CC	24.48	0.00	9.79	9.79	0.00	14.69	14.69	0.00	0.00	48.95
9	Chickamagalur	29.44	0.00	11.77	11.77	0.00	17.66	17.66	0.00	0.00	58.87
10	Chitradurga	27.34	0.00	10.94	10.94	0.00	16.40	16.40	0.00	0.00	54.68
11	Davanagere	25.52	0.00	10.21	10.21	0.00	15.31	15.31	0.00	0.00	51.03
12	Dharwad CC	11.03	0.00	4.41	4.41	0.00	6.62	6.62	0.00	0.00	22.06
13	Gadag-Betageri	32.35	0.00	12.94	12.94	0.00	19.41	19.41	0.00	0.00	64.69
14	Gangavathy	32.57	0.00	13.03	13.03	0.00	19.54	19.54	0.00	0.00	65.14
15	Gulbarga CC	29.17	0.00	11.67	11.67	0.00	17.50	17.50	0.00	0.00	58.34
16	Hassan	21.33	0.00	8.53	8.53	0.00	12.80	12.80	0.00	0.00	42.65
17	Hospet	37.85	0.00	15.14	15.14	0.00	22.71	22.71	0.00	0.00	75.69
18	Kolar	32.06	0.00	12.82	12.82	0.00	19.24	19.24	0.00	0.00	64.12
19	Mandya	27.66	0.00	11.06	11.06	0.00	16.60	16.60	0.00	0.00	55.32

SN	Name of ULB	Centre	State			ULB			Convergence	Others (e.g. incentive)	Total
			14th FC	Others	Total	14th FC	Others	Total			
20	Mangalore CC	88.63	0.00	35.45	35.45	0.00	53.18	53.18	0.00	0.00	177.25
21	Mysore CC	30.76	0.00	12.30	12.30	0.00	18.45	18.45	0.00	0.00	61.51
22	Raichur	19.44	0.00	7.78	7.78	0.00	11.66	11.66	0.00	0.00	38.88
23	Ranebennur	15.30	0.00	6.12	6.12	0.00	9.18	9.18	0.00	0.00	30.60
24	Robersonpet	31.46	0.00	12.58	12.58	0.00	18.88	18.88	0.00	0.00	62.92
25	Shimoga CC	38.14	0.00	15.25	15.25	0.00	22.88	22.88	0.00	0.00	76.27
26	Tumkur CC	37.91	0.00	15.16	15.16	0.00	22.74	22.74	0.00	0.00	75.81
27	Udupi	64.02	0.00	25.61	25.61	0.00	38.41	38.41	0.00	0.00	128.03
<b>Grand Total</b>		<b>954.90</b>	<b>0.00</b>	<b>413.92</b>	<b>413.92</b>	<b>0.00</b>	<b>700.78</b>	<b>700.78</b>	<b>0.00</b>	<b>0.00</b>	<b>2069.61</b>

**TABLE 3.4: SAAP - YEAR WISE SHARE OF INVESTMENTS FOR ALL SECTORS**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(In Cr.)

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total			
1	Badami	35.13	17.57	0.00	7.03	7.03	0.00	10.54	10.54	5.86	0.00	2.34	2.34	0.00	3.51	3.51	11.71	0.00	4.68	4.68	0.00	7.03	7.03
2	Bagalkote	114.43	46.10	0.00	18.44	18.44	0.00	27.66	27.66	19.07	0.00	7.63	7.63	0.00	11.44	11.44	38.14	0.00	15.26	15.26	0.00	22.89	22.89
3	Bangalore	939.17	153.38	0.00	91.98	91.98	0.00	214.50	214.50	104.38	0.00	62.61	62.61	0.00	146.06	146.06	208.75	0.00	125.23	125.23	0.00	292.13	292.13
4	Belgaum CC	179.59	60.34	0.00	24.14	24.14	0.00	36.20	36.20	29.93	0.00	11.97	11.97	0.00	17.96	17.96	59.86	0.00	23.95	23.95	0.00	35.92	35.92
5	Bellary CC	180.69	63.59	0.00	25.43	25.43	0.00	38.15	38.15	30.12	0.00	12.05	12.05	0.00	18.07	18.07	60.23	0.00	24.09	24.09	0.00	36.14	36.14
6	Bhadravathi	153.03	48.55	0.00	19.42	19.42	0.00	29.13	29.13	25.51	0.00	10.20	10.20	0.00	15.30	15.30	51.01	0.00	20.40	20.40	0.00	30.61	30.61
7	Bidar	176.99	45.05	0.00	18.02	18.02	0.00	27.03	27.03	29.50	0.00	11.80	11.80	0.00	17.70	17.70	59.00	0.00	23.60	23.60	0.00	35.40	35.40
8	Bijapura CC	181.98	66.52	0.00	26.61	26.61	0.00	39.91	39.91	30.33	0.00	12.13	12.13	0.00	18.20	18.20	60.66	0.00	24.26	24.26	0.00	36.40	36.40
9	Chickamagalur	119.32	30.23	0.00	12.09	12.09	0.00	18.14	18.14	19.89	0.00	7.95	7.95	0.00	11.93	11.93	39.77	0.00	15.91	15.91	0.00	23.86	23.86
10	Chitradurga	140.57	42.95	0.00	17.18	17.18	0.00	25.77	25.77	23.43	0.00	9.37	9.37	0.00	14.06	14.06	46.86	0.00	18.74	18.74	0.00	28.11	28.11
11	Davanagere	179.96	64.47	0.00	25.79	25.79	0.00	38.68	38.68	29.99	0.00	12.00	12.00	0.00	18.00	18.00	59.99	0.00	23.99	23.99	0.00	35.99	35.99
12	Dharwad CC	176.76	77.35	0.00	30.94	30.94	0.00	46.41	46.41	29.46	0.00	11.78	11.78	0.00	17.68	17.68	58.92	0.00	23.57	23.57	0.00	35.35	35.35
13	Gadag-Betageri	188.89	62.10	0.00	24.84	24.84	0.00	37.26	37.26	31.48	0.00	12.59	12.59	0.00	18.89	18.89	62.96	0.00	25.19	25.19	0.00	37.78	37.78
14	Gangavathy	110.78	22.82	0.00	9.13	9.13	0.00	13.69	13.69	18.46	0.00	7.39	7.39	0.00	11.08	11.08	36.93	0.00	14.77	14.77	0.00	22.16	22.16
15	Gulbarga CC	172.37	57.02	0.00	22.81	22.81	0.00	34.21	34.21	28.73	0.00	11.49	11.49	0.00	17.24	17.24	57.46	0.00	22.98	22.98	0.00	34.47	34.47
16	Hassan	142.28	49.82	0.00	19.93	19.93	0.00	29.89	29.89	23.71	0.00	9.49	9.49	0.00	14.23	14.23	47.43	0.00	18.97	18.97	0.00	28.46	28.46
17	Hospet	175.64	49.98	0.00	19.99	19.99	0.00	29.99	29.99	29.27	0.00	11.71	11.71	0.00	17.56	17.56	58.55	0.00	23.42	23.42	0.00	35.13	35.13
18	Kolar	138.37	37.13	0.00	14.85	14.85	0.00	22.28	22.28	23.06	0.00	9.22	9.22	0.00	13.84	13.84	46.12	0.00	18.45	18.45	0.00	27.67	27.67

SN	Name of ULB	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			Centre	State			ULB			Centre	State			ULB		
				14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total		14th FC	Others	Total	14th FC	Others	Total
19	Mandya	138.90	41.79	0.00	16.72	16.72	0.00	25.07	25.07	23.15	0.00	9.26	9.26	0.00	13.89	13.89	46.30	0.00	18.52	18.52	0.00	27.78	27.78
20	Mangalore CC	185.52	4.14	0.00	1.65	1.65	0.00	2.48	2.48	30.92	0.00	12.37	12.37	0.00	18.55	18.55	61.84	0.00	24.74	24.74	0.00	37.10	37.10
21	Mysore CC	189.94	64.22	0.00	25.69	25.69	0.00	38.53	38.53	31.66	0.00	12.66	12.66	0.00	18.99	18.99	63.31	0.00	25.33	25.33	0.00	37.99	37.99
22	Raichur	176.42	68.77	0.00	27.51	27.51	0.00	41.26	41.26	29.40	0.00	11.76	11.76	0.00	17.64	17.64	58.81	0.00	23.52	23.52	0.00	35.28	35.28
23	Rannebennur	118.60	44.00	0.00	17.60	17.60	0.00	26.40	26.40	19.77	0.00	7.91	7.91	0.00	11.86	11.86	39.53	0.00	15.81	15.81	0.00	23.72	23.72
24	Robersonpet	145.26	41.17	0.00	16.47	16.47	0.00	24.70	24.70	24.21	0.00	9.68	9.68	0.00	14.53	14.53	48.42	0.00	19.37	19.37	0.00	29.05	29.05
25	Shimoga CC	180.82	52.28	0.00	20.91	20.91	0.00	31.37	31.37	30.14	0.00	12.05	12.05	0.00	18.08	18.08	60.27	0.00	24.11	24.11	0.00	36.16	36.16
26	Tumkur CC	178.93	51.56	0.00	20.62	20.62	0.00	30.94	30.94	29.82	0.00	11.93	11.93	0.00	17.89	17.89	59.64	0.00	23.86	23.86	0.00	35.79	35.79
27	Udupi	132.53	2.25	0.00	0.90	0.90	0.00	1.35	1.35	22.09	0.00	8.84	8.84	0.00	13.25	13.25	44.18	0.00	17.67	17.67	0.00	26.51	26.51
<b>Grand Total</b>		<b>4952.87</b>	<b>1365.08</b>	<b>0.00</b>	<b>576.66</b>	<b>576.66</b>	<b>0.00</b>	<b>941.52</b>	<b>941.52</b>	<b>773.33</b>	<b>0.00</b>	<b>330.19</b>	<b>330.19</b>	<b>0.00</b>	<b>547.43</b>	<b>547.43</b>	<b>1546.65</b>	<b>0.00</b>	<b>660.39</b>	<b>660.39</b>	<b>0.00</b>	<b>1094.87</b>	<b>1094.87</b>

**TABLE 3.5: SAAP - STATE LEVEL PLAN FOR ACHIEVING SERVICE LEVEL BENCHMARKS**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

Proposed Priority Projects	Total Project Cost	Indicator	Unit	Benchmark	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)				
						FY 2017		FY 2018	FY 2019	FY 2020
						H1	H2			
<b>Water Supply</b>										
23	821.45	1. Household level coverage of direct water supply connections	%	100	54.74	58.59	68.5	80.91	86.91	93.18
		2. Per capita quantum of water supplied	LPCD	135	91.68	91.73	97.77	108.27	120.23	126.69
		3. Quality of water supplied	%	100	82.22	89.14	92.32	97.82	99.55	99.55
<b>Sewerage and Septage Management</b>										
21	1061.47	4. Coverage of latrines (individual or community)	%	100	75.11	79.85	82.33	85.38	88.29	100
		5. Coverage of sewerage network services	%	100	45.15	48.45	55.36	67.57	80.05	86.95
		6. Efficiency of Collection of Sewerage	%	100	37.51	42.25	51.19	70.29	79.33	87.33
		7. Efficiency in treatment	%	100	39.95	44.01	50.86	73.33	85.1	92.95
<b>Storm Water Drainage</b>										
11	118.47	8. Coverage of storm water drainage network	%	100	22.59	23.44	29.81	36.71	44.41	50.93
<b>Urban Transport</b>										
7	21.27	9. Service coverage of urban transport in the City	LOS	0.3 - 07	4.94	5.91	11.2	14.74	19.02	19.01
		10. Availability of urban transport per 1000 population	LOS	<.2	0.44	0.44	0.44	0.44	0.44	0.44
<b>Green Spaces and Parks</b>										
27	46.95	per person park area(in sqm)	Sq.M	10-12	0.26	2.17	2.25	2.27	2.32	2.37
<b>Total</b>	<b>2069.61</b>									

**TABLE 4: SAAP - BROAD PROPOSED ALLOCATIONS FOR ADMINISTRATIVE AND OTHER EXPENSES**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

(in Cr.)

SN	Activities as per MoUD guidelines	Committed liabilities carried over from previous year			Proposed plan for balance 3 years (2017-18, 2018-19 & 2019-20)				Grand total (committed for previous years + proposed)
		2015-16	2016-17	TOTAL COMMITTED	2017-18	2018-19	2019-20	TOTAL PROPOSED	
<b>1</b>	<b>Activities/Institutional establishments as per CCBP (Realignment of CCBP under AMRUT) and as per the Gol OM 02.11.2016 &amp; 18.08.2016</b>								
a	TNA & Trainings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Separate funding under CBUD (world Bank assisted) is providing by MoUD
b	Workshops, Seminars etc under AMRUT (Rs. 2.5 Laks per event X 12 events)-CCBP toolkit rate	0.00	0.08	0.08	0.08	0.08	0.08	0.23	0.30
c	Research Studies (small), Case studies, preparation of training modules, documentation of best practices and evaluation studies (Rs.5 Laks per Study/Report per ULB X 27 ULBs X 5 years)-CCBP Toolkit rate	1.35	1.35	2.70	1.35	1.35	1.35	4.05	6.75
d	Preparation of Information Education and Communication (IEC) materials (Rs.5 Laks per ULB X 27 ULBs X 5 years)-CCBP Toolkit rate	1.35	1.35	2.70	1.35	1.35	1.35	4.05	6.75
e	Exposure visits (Domestic) 10 events @ Rs.10 lakhs/year	0.00	1.00	1.00	1.00	1.00	1.00	3.00	4.00
f	<b>SMMU (at State Level) Remuneration</b> (for 6 persons working under AMRUT and Smart City Mission) (Rs.55,000 X 6 persons X 60 Months) - Rates as per MoUD guidelines	0.40	0.40	0.79	0.40	0.40	0.40	1.19	1.98

SN	Activities as per MoUD guidelines	Committed liabilities carried over from previous year			Proposed plan for balance 3 years (2017-18, 2018-19 & 2019-20)				Grand total (committed for previous years + proposed)
		2015-16	2016-17	TOTAL COMMITTED	2017-18	2018-19	2019-20	TOTAL PROPOSED	
g	<b>Supporting Cost for SMMU</b> -Travel cost for SMMU, Office Asst. Stationery, printing, Computers etc., @ 1,65,000 X per Month x 60 Months)-Rates as per MoUD guidelines	0.20	0.20	0.40	0.20	0.20	0.20	0.59	0.99
h	<b>CMMU (at City Level) - Remuneration</b> for 53 professionals (4 in BBMP, 2 each in 23 ULBs, 1 each in 3 ULBs- as approved by SHPSC) @ Rs.55,000 X 53 persons X 60 Months) - Rates as per MoUD guidelines	3.50	3.50	7.00	3.50	3.50	3.50	10.49	17.49
i	<b>Supporting Cost for CMMU</b> -Travel cost, Stationery & printing, Computers & other equipment's etc., (@Rs. 55,000 per Month per ULB, Rs.1.10 Lakhs for BBMP) - Rates as per MoUD guidelines	1.85	1.85	3.70	1.85	1.85	1.85	5.54	9.24
<b>2</b>	<b>Reforms</b>								
a	Cadre linked training.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SIUD in CBUD fund
b	Appointment of internal auditor @ Rs.1.75 lakhs for other ULBs, Rs.2.5 lakhs for Bangalore	0.00	0.48	0.48	0.00	0.00	0.00	0.00	0.48
c	Preparation of Master Plan using GIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Funds available through sub-scheme by GoI
d	Energy (Street lights) and Water Audit (including non-revenue water or losses audit) @ Rs.10 Lakhs 26 ULBs and Rs. 40 Lakhs for Bangalore	3.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00
e	Making STPs and WTPs energy efficient @ Rs.8 Lakhs 26 ULBs and Rs. 42 Lakhs for Bangalore	0.00	2.50	2.50	0.00	0.00	0.00	0.00	2.50
f	Complete the credit ratings of the ULBs	0.00	1.00	1.00	1.00	1.00	0.00	2.00	3.00



SN	Activities as per MoUD guidelines	Committed liabilities carried over from previous year			Proposed plan for balance 3 years (2017-18, 2018-19 & 2019-20)				Grand total (committed for previous years + proposed)
		2015-16	2016-17	TOTAL COMMITTED	2017-18	2018-19	2019-20	TOTAL PROPOSED	
g	Publication (e-News letter, Guidelines, brochures etc) ULBs, SLNA, UDD-Lumpsum cost @ Rs. 50 lakhs	0.00	0.00	0.00	0.17	0.17	0.17	0.50	0.50
3	<b>PDMC cost as per KUWS&amp;DB &amp; KUIDFC</b>								
	a. PDMC - KUWS&DB (as proposed for 5th SHPSC) L1 quote is Rs. 66,56,73,532 + other expenses proposed by KUWS&DB is Rs.27,54,43,245	0.00	0.00	0.00	31.37	31.37	31.37	94.11	94.11
	b.PDMC - KUIDFC (as proposed for 5th SHPSC) L1 quote including taxes	0.00	0.00	0.00	4.59	4.59	4.59	13.76	13.76
4	DLAMC meetings/reporting expenses @ Rs. 2 laks per ULB X 27 ULBs	0.00	0.14	0.14	0.14	0.14	0.14	0.41	0.54
5	Preparation of SLIPs, SAAP etc. @ Rs.25 lakhs per ULB for 27 ULBs as per Gol OM dt.31.07.2015	0.00	6.75	6.75	6.75	0.00	0.00	6.75	13.50
	<b>Total A &amp; O E estimation</b>	<b>11.64</b>	<b>20.58</b>	<b>32.22</b>	<b>53.73</b>	<b>46.98</b>	<b>45.98</b>	<b>146.68</b>	<b>178.90</b>

**TABLE 5.2 SAAP-REFORMSTYPE, STEPS AND TARGET FOR AMRUT CITIES**

Name of the State: Karnataka

FY- 2016-17

All reforms in AMRUT ULBs have been achieved, except the following:

SN	Type	Steps	Status of Implementation (2017-20)	Target for the last FY (# of ULBs)	Achievement for the last FY	Number of ULBs achieved 70 percent	Number of ULBs not achieved 70 percent
1	Energy and Water audit	15. Give incentives for green buildings (e.g. rebate in property tax or charges connected to building permission/development charges).	<ul style="list-style-type: none"> <li>This will be achieved by end of December 2017.</li> </ul>	-	-	-	27

Name of State – Karnataka

Target for FY- 2017-18

SN	Type	Steps	Implementation Timeline	Target to be set by states in SAAP				Present Status/ Issue If Any
				Oct 2015 to Mar 2016	Apr to Sep 2016	Oct 2016 to Mar 2017	Apr to Sept 2017	
1	E-Governance	1. Personnel Staff management.	Done	<ul style="list-style-type: none"> <li>HRMS is implemented &amp; is being followed</li> <li>URL: <a href="http://www.hrms.karnataka.gov.in/HRMS/">http://www.hrms.karnataka.gov.in/HRMS/</a></li> </ul>				
		2. Project management	36 months					✓

SN	Type	Steps	Implementation Timeline	Target to be set by states in SAAP						Present Status/ Issue If Any
				Oct 2015 to Mar 2016	Apr to Sep 2016	Oct 2016 to Mar 2017	Apr to Sept 2017	Oct to March 2018	Apr to Sept 2018	
2	Urban Planning and City Development Plans	1. Establish Urban Development Authorities.	36 months	<ul style="list-style-type: none"> <li>Done</li> <li>Already 28UDAs are in existence in the State. Out of 27 AMRUT cities, 24 cities have UDAs, and remaining 3 cities have LPAs (Local Planning Authorities).</li> <li>URL for the Karnataka Urban Development Authorities Act, 1987: <a href="http://dpal.kar.nic.in/pdf_files/34%20of%201987%20(E).pdf">http://dpal.kar.nic.in/pdf_files/34%20of%201987%20(E).pdf</a></li> </ul>						
3	Swachh Bharat Mission	1. Elimination of open defecation.	36 months						✓	
		2. Waste Collection (100%),						✓		
		3. Transportation of Waste (100%).						✓		
		4. Scientific Disposal (100%).						✓		
		5. The State will prepare a Policy for Right-sizing the number of municipal functionaries depending on, say, population of the ULB, generation of internal resources and expenditure on salaries.						✓		

Name of State –Karnataka

Target for FY- 2018-19

SN	Type	Steps	Implementation Timeline	Target to be set by states in SAAP								Present Status/ Issue If Any	
				Oct 2015 to Mar 2016	Apr to Sep 2016	Oct 2016 to Mar 2017	Apr to Sept 2017	Oct to Mar, 2018	Apr to Sept, 2018	Oct to Mar, 2019	Apr to Sept, 2019		
1	Urban Planning and City Development Plans	Preparation of Master Plan using GIS	48 months									✓	

**TABLE 5.5 SAAP- SELF- EVALUATION FOR REPORTING PROGRESS ON REFORM IMPLEMENTATION**

Name of the State: Karnataka

FY- 2016-17

The reforms achievement will be measured every year after the end of financial year by allocating 10 marks for each reforms milestone achieved as against the targets set by the MoUD.

SN	Year	No of milestones	Maximum Score	Score obtained	%
1	2ndyear	13	130	110	84.61%

**Incentive based grant release calculation:**

The States will be required to fill the following Self-Assessment Form:

Step1: Fill the following table:

SN	Name of the ULBs	Maximum Score possible during the year	Score obtained ULB Wise	% obtained
28.	Badami	130	110	84.61
29.	Bagalkote	130	110	84.61
30.	Ballari	130	110	84.61
31.	Bangalore	130	110	84.61
32.	Belagaum	130	110	84.61
33.	Bhadravathi	130	110	84.61
34.	Bidar	130	110	84.61
35.	Bijapura	130	110	84.61
36.	Chickamagalur	130	110	84.61
37.	Chitradurga	130	110	84.61
38.	Davanagere	130	110	84.61
39.	Gadag-Betageri	130	110	84.61

SN	Name of the ULBs	Maximum Score possible during the year	Score obtained ULB Wise	% obtained
40.	Gangavathi	130	110	84.61
41.	Gulbarga	130	110	84.61
42.	Hassan	130	110	84.61
43.	Hospet	130	110	84.61
44.	Hubli-Dharwad	130	110	84.61
45.	Kolar	130	110	84.61
46.	Mandya	130	110	84.61
47.	Mangalore	130	110	84.61
48.	Mysore	130	110	84.61
49.	Raichur	130	110	84.61
50.	Ranebennur	130	110	84.61
51.	Robertsonpet KGF	130	110	84.61
52.	Shimoga	130	110	84.61
53.	Tumakur	130	110	84.61
54.	Udupi	130	110	84.61
	<b>Subtotal ULB</b>		<b>2970</b>	<b>2284.47</b>
	<b>State</b>	130	<b>110</b>	<b>84.61</b>
	Subtotal State	130	<b>110</b>	<b>84.61</b>
	<b>Overall</b>	130	<b>110</b>	<b>84.61</b>

**TABLE 7.2 ANNUAL ACTION PLAN FOR CAPACITY BUILDING**

Name of the State: Karnataka

FY- 2017-18, 2018-19 & 2019-10

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

Sl. No.	Name of ULB	Total numbers to be trained in the current financial year, department wise						Name of the Training Institution (s) identified	No. of Training Programmes to be conducted	Fund Reqd. in current FY (□ in Cr.)
		Elected Reps.	Finance Dept.	Engineering Dept.	Town Planning Dept.	Admin. Dept.	Total			
1	27 ULBs (2430 Persons-45000/500)	486*	486*	486*	486*	486*	2430	State Institute for Urban Development	98**	2.94***

\*Average trainees taken from 27 ULBs, exact no trainees from each ULB will be identified in TNA

\*\* 25 persons per training/batch

\*\*\* Estimated cost as per the CCBP toolkit rates for trainings (98 Batches X 3 Lakhs)

Form 7.2.2 -Fund Requirement for State level activities

(in Cr.)

SN	Activities as per MoUD guidelines	Proposed plan for balance 3 years (2017-18, 2018-19 & 2019-20)				Grand total (committed for previous years + proposed)
		2017-18	2018-19	2019-20	TOTAL PROPOSED	
1	<b>Activities/Institutional establishments as per CCBP (Realignment of CCBP under AMRUT) and as per the GoI OM 02.11.2016 &amp; 18.08.2016</b>					
a	TNA & Trainings	0.00	0.00	0.00	0.00	Separate funding under CBUD (world Bank assisted) is providing by MoUD
b	Workshops, Seminars etc under AMRUT (Rs. 2.5 Laks per event X 12 events)-CCBP toolkit rate	0.08	0.08	0.08	0.23	0.30
c	Research Studies (small), Case studies, preparation of training modules, documentation of best practices and evaluation studies (Rs.5 Laks per Study/Report per ULB X 27 ULBs X 5 years)- <b>CCBP Toolkit rate</b>	1.35	1.35	1.35	4.05	6.75
d	Preparation of Information Education and Communication (IEC) materials (Rs.5 Laks per ULB X 27 ULBs X 5 years)- <b>CCBP Toolkit rate</b>	1.35	1.35	1.35	4.05	6.75
e	Exposure visits (Domestic) 10 events @ Rs.10 lakhs/year	1.00	1.00	1.00	3.00	4.00
f	<b>SMMU (at State Level) Remuneration</b> (for 6 persons working under AMRUT and Smart City Mission) (Rs.55,000 X 6 persons X 60 Months) - <b>Rates as per MoUD guidelines</b>	0.40	0.40	0.40	1.19	1.98
g	<b>Supporting Cost for SMMU</b> -Travel cost for SMMU, Office Asst. Stationery, printing, Computers etc., @ 1,65,000 X per Month x 60 Months)- <b>Rates as per MoUD guidelines</b>	0.20	0.20	0.20	0.59	0.99
h	<b>CMMU (at City Level) - Remuneration</b> for 53 professionals (4 in BBMP, 2 each in 23 ULBs, 1 each in 3 ULBs- as approved by SHPSC) @ Rs.55,000 X 53 persons X 60 Months) - <b>Rates as per MoUD guidelines</b>	3.50	3.50	3.50	10.49	17.49
i	<b>Supporting Cost for CMMU</b> -Travel cost, Stationery & printing, Computers & other equipment's etc., (@Rs. 55,000 per Month per ULB, Rs.1.10 Lakhs for BBMP) - <b>Rates as per MoUD guidelines</b>	1.85	1.85	1.85	5.54	9.24
2	<b>Reforms</b>					
a	Cadre linked training.	0.00	0.00	0.00	0.00	SIUD in CBUD fund
b	Appointment of internal auditor @ Rs.1.75 lakhs for other ULBs, Rs.2.5 lakhs for Bangalore	0.00	0.00	0.00	0.00	0.48
c	Preparation of Master Plan using GIS	0.00	0.00	0.00	0.00	Funds available

SN	Activities as per MoUD guidelines	Proposed plan for balance 3 years (2017-18, 2018-19 & 2019-20)				Grand total (committed for previous years + proposed)
		2017-18	2018-19	2019-20	TOTAL PROPOSED	
						through sub- scheme by Gol
d	Energy (Street lights) and Water Audit (including non-revenue water or losses audit) @ Rs.10 Lakhs 26 ULBs and Rs. 40 Lakhs for Bangalore	0.00	0.00	0.00	0.00	3.00
e	Making STPs and WTPs energy efficient @ Rs.8 Lakhs 26 ULBs and Rs. 42 Lakhs for Bangalore	0.00	0.00	0.00	0.00	2.50
f	Complete the credit ratings of the ULBs	1.00	1.00	0.00	2.00	3.00
g	Publication (e-Newsletter, Guidelines, brochures etc) ULBs, SLNA, UDD-Lumpsum cost @ Rs. 50 lakhs	0.17	0.17	0.17	0.50	0.50
<b>3</b>	<b>PDMC cost as per KUWS&amp;DB &amp; KUIDFC</b>					
	<b>a. PDMC -KUWS&amp;DB</b> (as proposed for 5th SHPSC) L1 quote is Rs. 66,56,73,532 + other expenses proposed by KUWS&DB is Rs.27,54,43,245	31.37	31.37	31.37	94.11	94.11
	<b>b.PDMC - KUIDFC</b> (as proposed for 5th SHPSC) L1 quote including taxes	4.59	4.59	4.59	13.76	13.76
<b>4</b>	DLAMC meetings/reporting expenses @ Rs. 2 laks per ULB X 27 ULBs	0.14	0.14	0.14	0.41	0.54
<b>5</b>	Preparation of SLIPs, SAAP etc. @ Rs.25 lakhs per ULB for 27 ULBs as per Gol OM dt.31.07.2015	6.75	0.00	0.00	6.75	13.50
	<b>Total A &amp; O E estimation</b>	<b>53.73</b>	<b>46.98</b>	<b>45.98</b>	<b>146.68</b>	<b>178.90</b>



Table 7.2.3: Annual Action Plan for Capacity Building

Name of State – Karnataka

FY- 2017-20

Form 7.2.3 - Total Fund Requirement for Capacity Building

(in Cr.)

SN	Fund requirement	Capacity Building (Trainings/ Workshop/ IEC/ EV etc)*	Reforms	SMMU/RPM C/CMMU	Others			Total
					PDMC	DLAMC	SLIP/SAAP Preparation	
1	Total release since start of Mission (2015)	6.75	0	0	0	0	0	6.75
2	Total utilisation-Central Share	6.75	0	0	0	0	0	6.75
3	Balance available-Central Share	17.8	9.48	29.7	107.88	0.54	13.5	178.9
4	Amount required-Central Share	17.8	9.48	29.7	107.88	0.54	13.5	178.9
5	Total fund required for capacity building for Balance 3 years	17.8	9.48	29.7	107.88	0.54	13.5	178.9

\* Separate funding under CBUD (world Bank assisted) is providing by MoUD

**Form 7.2.4 Details of Institutional Capacity Building**

**a. Is the State willing to revise their town planning laws and rules to include land pooling?**

Yes.

**b. List of ULBs willing to have a credit rating done as the first step to issue bonds?**

- |               |                    |                   |
|---------------|--------------------|-------------------|
| 1. Badami     | 11. Gadag-Betageri | 20. Robersonpet   |
| 2. Bellary    | 12. Bagalkote      | 21. Mangalore     |
| 3. Bidar      | 13. Rannebennur    | 22. Mandya        |
| 4. Gulbarga   | 14. Tumkur city    | 23. Mysore        |
| 5. Gangavathy | 15. Shimoga city   | 24. Hassan        |
| 6. Raichur    | 16. Bhadravathi    | 25. Udupi         |
| 7. Hospet     | 17. Chitradurga    | 26. Chickamagalur |
| 8. Belgaum    | 18. Davanagere     | 27. Bangalore     |
| 9. Dharwad    | 19. Kolar          |                   |
| 10. Bijapura  |                    |                   |

**c. Is the State willing to integrate all work done in GIS in order to make GIS useful for decision making in ULBs?**

Yes.

**d. Is the State willing to take assistance for using land as a fiscal tool in ULBs?**

Yes. The State Government is reviewing the subject.

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

No. The State has the Municipal rules & regulations (KMC Act)

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

Yes. Reducing non-revenue water in ULB is also proposed in SAAP.

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

State has already initiated measures to improve property tax assessment and collections in ULBs

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

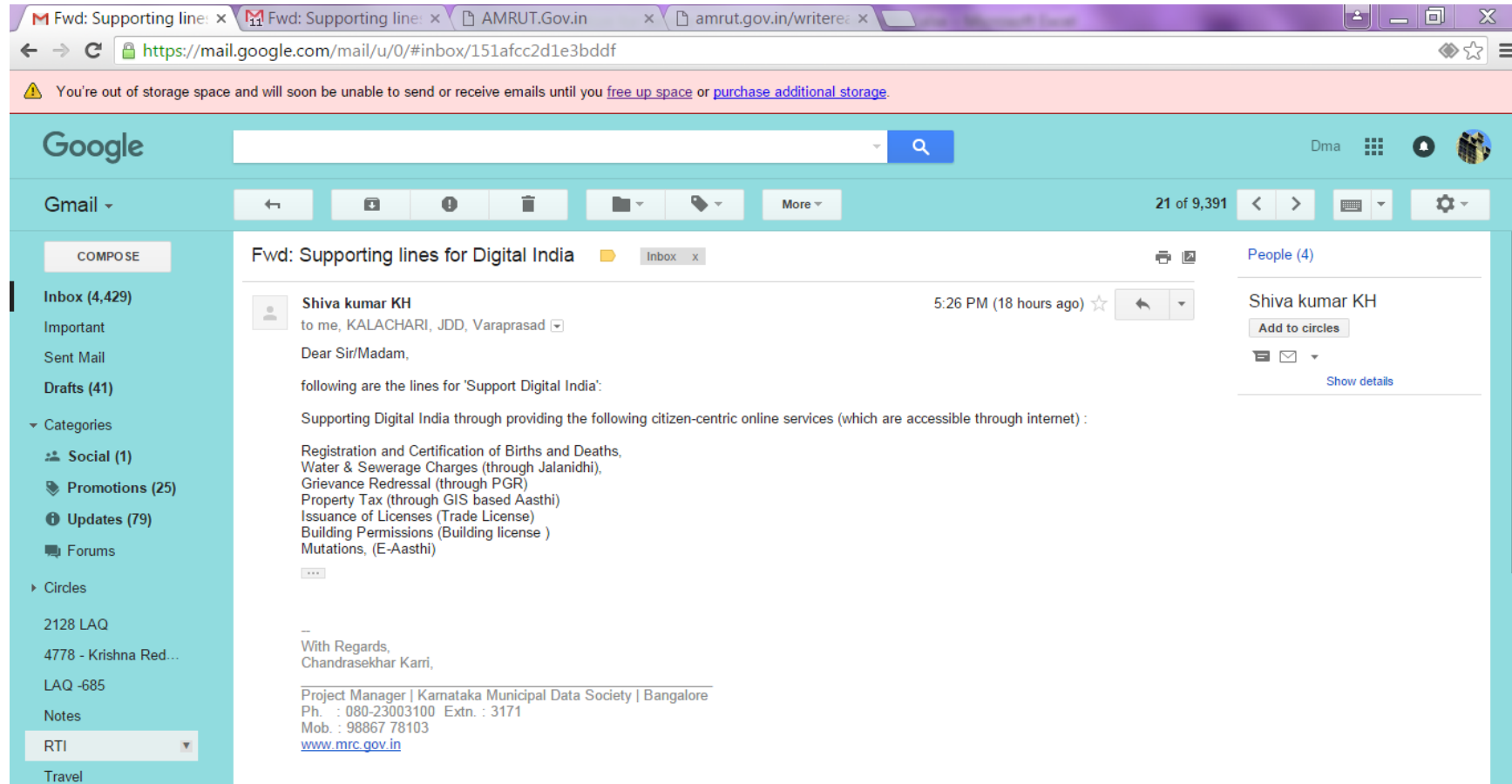
The state has earlier created Karnataka Urban Finance and Infrastructure Development Corporation (KUFIDC) for obtaining project sanctions, monitoring and channelizing funds from Govt. of India and external funding agencies to the ULBs/Parastatals. It is also designated as the State Level Nodal Agency (SLNA) for the JnNURM, and Smart Cities Mission.

Hence, for providing credit to the ULBs for undertaking projects in accordance with strict banking norms and for efficient recovery of the same, and for creating a revolving fund to meet future infrastructure project funding needs, the State will use the same agency for the purpose.

## Annexures - Reforms

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Annexure R-1



The screenshot shows a Gmail interface with a browser window open to a forwarded email. The email is titled "Fwd: Supporting lines for Digital India" and is from Shiva kumar KH, dated 5:26 PM (18 hours ago). The email content lists various citizen-centric online services supported by Digital India, such as registration and certification of births and deaths, water and sewerage charges, grievance redressal, property tax, issuance of licenses, building permissions, and mutations. The sender's contact information is provided at the bottom of the email.

**Browser Tabs:** Fwd: Supporting line: x, Fwd: Supporting line: x, AMRUT.Gov.in x, amrut.gov.in/writere: x, ...

**Address Bar:** <https://mail.google.com/mail/u/0/#inbox/151afcc2d1e3bddf>

**Storage Warning:** You're out of storage space and will soon be unable to send or receive emails until you [free up space](#) or [purchase additional storage](#).

**Google Search Bar:** [Empty search bar]

**Gmail Navigation:** Gmail, 21 of 9,391, [Navigation icons]

**Compose and Left Sidebar:** COMPOSE, Inbox (4,429), Important, Sent Mail, Drafts (41), Categories (Social (1), Promotions (25), Updates (79), Forums), Circles (2128 LAQ, 4778 - Krishna Red..., LAQ -685, Notes, RTI, Travel)

**Email Header:** Fwd: Supporting lines for Digital India, Inbox x, [Print/Share icons], People (4)

**Sender:** Shiva kumar KH, 5:26 PM (18 hours ago), [Reply icon]

**Recipient:** to me, KALACHARI, JDD, Varaprasad [Dropdown]

**Body Text:**  
Dear Sir/Madam,  
following are the lines for 'Support Digital India':  
Supporting Digital India through providing the following citizen-centric online services (which are accessible through internet) :  
Registration and Certification of Births and Deaths,  
Water & Sewerage Charges (through Jananidhi),  
Grievance Redressal (through PGR)  
Property Tax (through GIS based Aasthi)  
Issuance of Licenses (Trade License)  
Building Permissions (Building license )  
Mutations, (E-Aasthi)  
...

**Signature:**  
--  
With Regards,  
Chandrasekhar Karri,  
Project Manager | Karnataka Municipal Data Society | Bangalore  
Ph. : 080-23003100 Extn. : 3171  
Mob. : 98867 78103  
[www.mrc.gov.in](http://www.mrc.gov.in)

**Right Sidebar:** Shiva kumar KH, Add to circles, [Message/Reply icons], Show details

**Annexure R-2**

**KARNATAKA MUNICIPAL ADMINISTRATIVE SERVICE RULES, 1970**

CONTENTS	
1	Title and commencement
2	Definitions
	(a) Appointed Day
	(b) Equated post
	(c) Schedule
3	Establishment of Karnataka Municipal Administrative Service
4	Determination of seniority
5	Method of Recruitment
6	Application of the Karnataka Civil Services Rules to the members of Karnataka Municipal Administrative Service

1. Title and commencement.- (1) These rules may be called the Karnataka Municipal Administrative Rules, 1970.

(2) They shall come into force on the appointed day.

(a) "**Appointed Day**" means the date appointed under clause (a) of sub-section (2) of Section 365 of the Karnataka Municipalities Act, 1964.

(b) "**Equated Post**" means a post filled by Government servant or officer of Local Authorities on the day immediately preceding the appointed day in respect of which equation is made under Rule 3.

(c) "**Schedule**" means schedule to these rules.

**3. Establishment of Karnataka Municipal Administrative Service.-** (1) As from the appointed day, there shall be a Karnataka Municipal Administrative Service for the State of Karnataka consisting of categories of posts specified in column (2) of Schedule I. The number of posts of each category of posts and the scale of pay of such posts shall be as specified in the corresponding entries in columns (3) and (4) of the said Schedule.

(2) For the purpose of sub-rule (1) the categories of posts of the Hyderabad Local Government Service and under every local authority specified by Government under sub-section (1) of Section 365 of the Karnataka Municipalities Act, 1964, specified in columns (3), (4) and (5) respectively of the Table below, shall be integrated and the categories of posts of Karnataka Municipal Administrative Service shall be the posts in respect of which the posts held by Officers in the aforesaid services and Local Authorities immediately prior to the appointed day, shall stand equated as specified in sub-rule (3).

(3) The categories of posts of the Hyderabad Local Government Service, the Karnataka Local Self-Government Service and the posts under every Local Authority specified by Government under sub-section (1) of Section 365 of the Karnataka Municipalities Act, 1964, specified in columns (3), (4) and (5) respectively of the Table below are equated with the categories of posts mentioned in the corresponding entry in column (2) thereof.

TABLE (Abstract of number of posts currently valid are only are given and individual names of the posts are not mentioned as per the present sanctioned categories and the number of posts pending amendment to the rules

Sl No	Categories of posts in Karnataka Municipal Administrative Service	Categories of posts in Hyderabad Local Government Service	Categories of posts of Local Self-Government Services	Categories of posts of local authorities under sub-section (1) of Section 365 of Karnataka Municipalities Act, 1964

State Annual Action Plan (SAAP) for Remaining Years of Mission Period

1	MUNICIPAL COMMISSIONER GRADE - I SELECTION GRADE			
2	MUNICIPAL COMMISSIONER GRADE I			Municipal Commissioners of Grade -I City Municipal Councils (having more than 150000 population)
3	MUNICIPAL COMMISSIONER GRADE II			Municipal Commissioners of Grade II City Municipal Councils (having less than 150000 population)
4	CHIEF OFFICER GRADE I			Chief Officers of Town Municipal Councils
5	CHIEF OFFICER GRADE II			Chief Officers of Town Panchayats and Notified Area Committees

4. Determination of Seniority.- (1) The Seniority of Officers who immediately prior to the appointed day held equivalent posts shall be determined with reference to the length of continuous service whether in a permanent, temporary or officiating capacity in equated posts excluding the period during which an equated posts was held in purely stop-gap or fortious arrangements:

Provided that where the length of such continuous service is the same in respect of two or more officers the person older in age shall be deemed to be senior to the person younger in age:

Provided further the preceding shall not apply so as to vary the inter-seniority of Government servants in any service immediately prior to the appointed day.

(2) The State Government shall prepare the seniority list in accordance with the provisions of these rules in respect of different classes and categories of posts.

(3) Before the preparation of the seniority list the proposed list shall be published in the Karnataka Gazette, calling for objections if any received in respect of such proposal shall be considered by the State Government.

**5. Method of Recruitment.-** (1) In respect of each category of posts specified in column (2) of the Schedule II, the method of recruitment, the minimum qualification and period of probation, if any shall be as specified in the corresponding entries in columns (3) and (4) thereof.

(2) If at the time of filling the posts for the first time total number of persons available in any cadre together with the persons eligible for promotion to the cadre falls short of the total number of posts in the cadre and recruitment to said cadre by other methods of recruitment cannot be filled by deputation of an officer of equivalent grade in any other service until persons regularly recruited are available either for appointment or promotion.

(3) The Karnataka Civil Service Rules shall be applicable to the members of the Karnataka Municipal Administrative Service with effect from 1st September, 1970, the date on which the Karnataka Municipal Administrative Service Rules, came into force.

SCHEDULE I (See Rule 3(i)) (Abstract of the actual sanctioned strength is substituted in place of the SCHEDULE I appearing in the rules pending amendment to the rules)

Sl	Designation of Post	Pay Scale	Grade I CMC	Grade II CMC	Town Municipal Council	Town Panchayat
1	Municipal Commissioner Grade I (Selection Grade)	22125-28275				
1	Municipal Commissioner Grade I	20025-28275	1			
2	Municipal Commissioner Grade II	14050-25050		1		
3	Chief Officer Grade I	10800-20025			1	
4	Chief Officer Grade II	8825-16000				

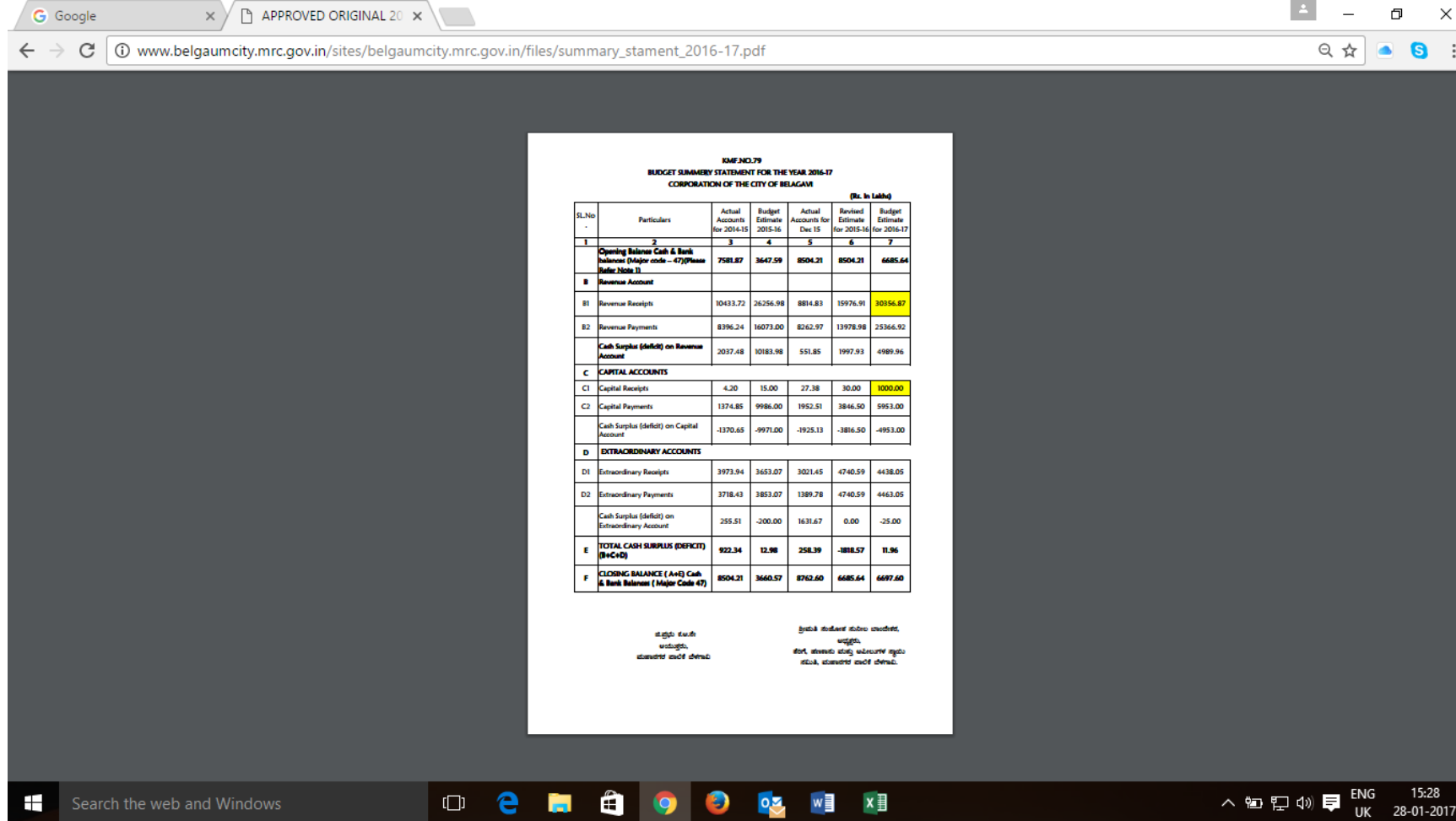
SCHEDULE II (Executive orders pending amendment to KMAS Rules, 1970 incorporated)  
(See Rule 5)

Sl No	Category of posts	Method of Recruitment	Minimum qualification and period of probation
1	Municipal Commissioners Grade-I	(i)By promotion by selection from the Cadre of Municipal Commissioner Grade II OR (ii) By deputation of an officer of KAS Class I (Senior Scale)	Should have put in not less than one year of Service in the Cadre of Municipal Commissioners, Grade II
2	Municipal Commissioners Grade II	(i) By promotion by selection from the Cadre of Chief Officers Grade I	Should have put in not less than one year of service in the cadre of Chief Officers Grade I
3	Chief Officers Grade I	66 2/3 per cent by promotion from the cadre of Chief Officers Grade II on the basis of seniority cum merit; and 33 1/3 per cent by direct recruitment in accordance with the Karnataka Recruitment of Gazetted Probationers Class I and II posts Appointment by Competitive Examination Rules, 1966.	For Promotion Should have put in not less three years of service in the cadre of Chief Officers Grade II For Direct Recruitment Probation for two years.
4	Chief Officers Grade II	33 1/3% by direct recruitment 66 2/3 % by absorption 1) Managers belonging to municipal service 21.50% 2) Revenue Officers belonging to Municipal Service 21.50% 3) Senior Health Inspector belonging to Municipal Service 21.50% 4)Managers in the Office of DMA 2.16%	

Source Link: <http://www.uddkar.gov.in/kmasrules>

Annexure R-3

[http://www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary\\_stament\\_2016-17.pdf](http://www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary_stament_2016-17.pdf)



The screenshot shows a web browser window with the address bar containing the URL: [www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary\\_stament\\_2016-17.pdf](http://www.belgaumcity.mrc.gov.in/sites/belgaumcity.mrc.gov.in/files/summary_stament_2016-17.pdf). The main content is a PDF document titled "BUDGET SUMMARY STATEMENT FOR THE YEAR 2016-17 CORPORATION OF THE CITY OF BELGAUM". The document includes a table with financial data in Rupees (₹) in Lakhs. The table has columns for SL.No., Particulars, Actual Accounts for 2016-15, Budget Estimate 2015-16, Actual Accounts for Dec 15, Revised Estimate for 2015-16, and Budget Estimate for 2016-17. The table is divided into sections: A (Opening Balance), B (Revenue Account), C (CAPITAL ACCOUNTS), D (EXTRAORDINARY ACCOUNTS), E (TOTAL CASH SURPLUS (DEFICIT) (B+C+D)), and F (CLOSING BALANCE). Below the table, there are two columns of text in Kannada, likely representing the names of the officials responsible for the accounts.

SL.No.	Particulars	Actual Accounts for 2016-15	Budget Estimate 2015-16	Actual Accounts for Dec 15	Revised Estimate for 2015-16	Budget Estimate for 2016-17
1	2	3	4	5	6	7
A	Opening Balance Cash & Bank balances (Major code - 47) (Please Refer Note 1)	7581.87	3647.59	8504.21	8504.21	6685.64
B	Revenue Account					
B1	Revenue Receipts	10433.72	26256.98	8814.83	15976.91	30256.87
B2	Revenue Payments	8396.24	16073.00	8262.97	13978.98	25366.92
	Cash Surplus (deficit) on Revenue Account	2037.48	10183.98	551.85	1997.93	4989.96
C	CAPITAL ACCOUNTS					
C1	Capital Receipts	4.20	15.00	27.38	30.00	1000.00
C2	Capital Payments	1374.85	9986.00	1952.51	3846.50	5953.00
	Cash Surplus (deficit) on Capital Account	-1370.65	-9971.00	-1925.13	-3816.50	-4953.00
D	EXTRAORDINARY ACCOUNTS					
D1	Extraordinary Receipts	3973.94	3653.07	3021.45	4740.59	4438.05
D2	Extraordinary Payments	3718.43	3853.07	1389.78	4740.59	4463.05
	Cash Surplus (deficit) on Extraordinary Account	255.51	-200.00	1631.67	0.00	-25.00
E	TOTAL CASH SURPLUS (DEFICIT) (B+C+D)	922.34	12.98	258.39	-1818.57	11.96
F	CLOSING BALANCE (A+B) Cash & Bank Balance (Major Code 47)	8504.21	3660.57	8762.60	6685.64	6697.60



## Annexure R-4A

### Rain Water Harvesting

#### Comprehensive Guidelines for Rainwater Harvesting in Karnataka

##### Nodal Department:

The Directorate of Municipal Administration and Karnataka Urban Water supply & Drainage Board shall be the Nodal Departments for coordinating the efforts of various Government departments and agencies.

##### 2. State Level Coordination Committee:

There shall be a State Level Coordination Committee to review, monitor and issue policy directives to implement the programme of "Rainwater Harvesting". The Principle Secretary, Urban Development Department will be the Chairman of the committee and the committee shall consist of the following members.

Principle Secretary, UDD	- Chairman
Director, DMA	- Member
Managing Director, KUWS & DB	- Member
Commissioner, BBMP	- Member
Chairman, BWSSB	- Member
Managing Director, KUIDFC	- Member
Managing Director, Karnataka Housing Board	- Member
Chairman, KSPCB	- Member
Director, Town Planning	- Member
Director, Department of Mines & Geology	- Member
Representatives from CMAK	- Member
Representatives of Non-Governmental Organisations (Three)	- Members

The committee shall meet at least once in two months.

##### 3. District Level Coordination Committee:

There shall be District Level Coordination Committee under the Chairmanship of Deputy Commissioner, to guide, monitor, review and coordinate the activities of district level. The committee shall consist of the following members and shall meet at least once in a month.

Deputy Commissioner	- Chairman
Project Director, DUDC	- Member
Commissioners/ Chief Officers of ULBs	- Members
Executive Engineer, KUWS & DB	- Member
Urban Development Authority	- Member

District Hotels Association	- Member
District Residential Welfare Association	- Member
District Industries Association	- Member
District Rotary Club	- Member
NGO Representatives (Three)	- Members

**4. City/ Town Level Coordination Committee (RWH Cell):**

There shall be City/ Town Level Coordination Committee under the Chairmanship of ULB Commissioner called "RWH Cell". The committee/ cell shall take up the responsibility of ensuring the implementation of RWH in each building without giving a scope for exemption. The member of the committee/ cell shall be in a position to give all Technical Inputs to the public in order to implement the suitable structure without any hitch.

The committee/ cell shall consist of the following members and shall meet at least once in a month and report the proceedings to Deputy Commissioner. The cell shall comprise of committed following individuals

Commissioner/ Chief Officer, ULB	- Chairman
President & Vice President of ULB Council	- Members
Architects	- Members
Representatives from Engineering Colleges	- Members
Representatives from Nirmithi Kendras	- Members
Representatives from Chambers of Commerce	- Members
Representatives from IMA (Local Chapter)	- Members
Representatives from Schools/ Colleges	- Members
Representatives from RWAs	- Members
Representatives from Hotels Association	- Members

**5. Roof Rainwater Harvesting by Government Departments/ Public Sector Undertakings/ Aided Institutions:**

- All Government/ Public Sector Undertakings/ Aided/ Cooperative Institutions buildings constructed here after shall provide for "Rainwater Harvesting"
- All Departments shall prepare an Action Plan for equipping the existing buildings of the departments/ Public Sector Undertakings/ Aided/ Cooperative Institutions with "Rainwater Harvesting" structures, within a period of 1 year

- c. Rented Buildings occupied by the Government departments/ Public sector undertakings shall also be provided with "Rainwater Harvesting"structures and the owners of the rented building shall be asked to complete the task within a period of 1 year
- d. The buildings mentioned in 4c above provided with "Rainwater Harvesting"structures, shall prominently display a signboard approved by the Municipal Administration and Water Supply department for this purpose, indicating that the building is provided with "Rainwater Harvesting"structures

**6. Rainwater Harvesting by the Public:**

Both persuasive and legislative measures shall be used for ensuring the provision of "Rainwater Harvesting" structures in all buildings

**6.1 Information, Education and Communication (IEC):**

IEC is an important tool in persuading the public to adopt "Rainwater Harvesting" as they are the direct beneficiaries of these structures. More information dissemination will be sufficient to make them construct "Rainwater Harvesting" structures, while the Bruhath Bengaluru Mahanagarapaalike (BBMP) and Bengaluru Water Supply & Sewage Board will be the Nodal Agencies for the IEC campaign within the Bangalore Mahanagarapaalike area. The respective Deputy Commissioner shall coordinate the IEC activities in the district & taluk level.

**6.2 Legislative Measures:**

- a. The Bruhath Bengaluru Mahanagarapaalike, all City Municipal Corporations, City Municipalities, Town Municipal Councils, Town Panchayats, Directorate of Town Planning, Urban Development Authority shall approve layout plans, building plans etc. and leases of all Building Plans for new buildings only after confirming the inclusion of provision of Rainwater Harvesting Structure in the proposed plans
- b. In case of existing buildings, efforts should be made by local body authorities to ensure that Rainwater Harvesting Structure is put up in the buildings at the earliest
- c. No building or structure with roof shall be given permission for construction in the state henceforth, without adequate provision for "Rainwater Harvesting"
- d. Water connection and sewer connection shall not be given to any building, which does not have "Rainwater Harvesting" structure
- e. Building that does not provide for "Rainwater Harvesting" in urban areas shall not be hereafter assessed to property tax
- f. Huts and thatched structures put up by families living below the poverty line shall be exempted from the above provisions
- g. Rainwater Harvesting should be made mandatory for all the new constructions with rooftop area greater than 100 Sqm. This can be ensured while granting the permission, and certification by the authority after installation
- h. Restoration/ revival of non-irrigation tanks/ water bodies (Lake, pond, kalyani etc.) situated in and around the urban areas by desiltation and rehabilitating Feeder channels

- i. All abandoned public Open wells and Bore wells should be Identified and recharged, only after cleaning and proper treatment
- j. Groundwater recharge should be made mandatory for all types of bore wells to maintain the local water table level at shallow (Domestic/ non domestic)
- k. Ensuring the construction of Groundwater discharging structures (bore well/ open well/ dug well) away from the sewage pit/ sullage pit
- l. Urban authorities must ensure the construction of new Bore well/ Open well/ Infiltration well/ Jack well, 35 -40m away from the sewage line
- m. All sewage lines should have linings, and water should reach disposal site without stagnation (encroachers should be evacuated)
- n. New roads & Foot paths should have proper drainage system to streamline the rainwater flow
- o. All storm water drains should be unlined barring highly weathered portions
- p. Urban authorities must ensure that the contaminated water zone/ aquifer is neglected for the construction of new Bore well/ Open well/ Infiltration well/ Jack well etc.
- q. All commercial/ Industrial establishments must ensure the safe recharge of Rainwater into ground (sub surface)
- r. The CPCB & KSPCB norms should be strictly followed for the release of industrial effluents to open spaces or nullas, commercial waste disposals, hospital waste disposals and domestic sewage disposals

**7. Runoff Harvesting and Ground Water Recharge structures:**

- a. ULBs, KUIDFC and Mines & Geology shall identify the locations suitable for groundwater recharge that would benefit drinking water sources
- b. Similarly the Mines & Geology department shall prepare a list of ideal locations for putting up groundwater recharge structures that would benefit irrigation wells and underground aquifers
- c. All department that construct water-holding structures shall consult DMA & KUIDFC, before taking up such works to ensure that such structures are put up in the areas which will yield maximum benefits
- d. No water-holding structures like tanks, ponds, swamps, marshes, etc. shall be converted for other purpose, nor shall their supply courses blocked or converted for any other purpose unless specifically permitted by the Government or the competent authority after thorough investigations
- e. The department/ agencies responsible for the maintenance of the water-holding structures shall ensure that the capacities of these structures are not reduced either because of encroachment or siltation or being put to alternate use
- f. Involvement of local community and stake-holders in the maintenance is the best way to ensure the optimum maintenance and utility of these structures, and the departments and agencies which construct these structures shall involve them from the planning stage itself and also ensure that responsibility of maintenance of these structures is entrusted to them

- g. Construction of runoff harvesting and runoff arresting structures in the flood prone areas should be accorded priority and a list of such locations shall be prepared by the Mines & Geology department in consultation with the Special Commissioner & Commissioner for Revenue Administration
  - h. Storm water drains provided by the local bodies in the urban areas should ideally convey the storm water into temple tanks/ ponds within the urban areas or should be placed where storm water is drained in the river/ water course. Storm water drains must be so designed to inject the maximum quantum of storm water into the ground before they outfall into river/ watercourse
8. All departments shall follow and enforce the above guidelines strictly. The departments may issue detailed instructions to the line functionaries to operationalise the guidelines wherever legislative measures are considered necessary to implement the guidelines. The departments should initiate action to amend the relevant Acts/ Regulations based on the field conditions
-

## Annexure R-4B

### THE BANGALORE WATER SUPPLY AND SEWERAGE (AMENDMENT) ACT, 2009

### THE BANGALORE WATER SUPPLY AND SEWERAGE (AMENDMENT) ACT, 2009

#### **"72A. Obligation to provide rain water harvesting structure.-**

Within nine months from the date of commencement of the Bangalore Water Supply and Sewerage (Amendment) Act, 2009 every owner or occupier of a building having a sital area of 2400 square feet and above or every owner who propose to construct a building on a sital area of 1200 square feet and above shall provide for rain water harvesting structure in such manner, with such conditions as may be provided in the regulations failing which the Board may cause such rain water harvesting structure and recover the cost from the owner or occupier, as the case may be, arrears of land revenue."

#### **BWSSB Guideline for Rainwater Harvesting (RWH)**

##### **Minimum Requirement:**

Rainwater storage (surface tank or underground sump) and ground recharge (RCC precast ring well) of minimum 20 liters per square meter of roof area and a minimum of 10 liters per square meter of paved open space provision shall be made. The open well / recharge well of depth of 3 meter (minimum) and diameter of .9 meter (minimum) with out filling in the well (like aggregates, jelly, sand etc.) provision shall be made.

You may store rainwater in a tank / sump or recharge rainwater in to the ground through a well or you can use a combination of these two to achieve the stipulated capacity of  $X$  liter. Where  $X = \text{roof area in sqm} \times 20 + \text{paved open area in sqm} \times 10$ .

The open well should be of minimum 3 ft diameter and 10 feet deep.

Ground water recharge should not be attempted at places where the ground water level is very high and at places where hard rock strata exists at shallow depths. It is suggested to build a shallow sump or install a surface tank for storing harvested rainwater.

Rainwater from the roof and through a filter should not be allowed directly in to a live borewell. It is advisable to allow the filtered rainwater in to an open well beside the borewell. In case of a failed or very low yielding borewell, you may allow a portion of overflow from your tank / sump which collects filtered rainwater from the roof. However a skilled person's advice is required before recharging the borewell directly.

**Annexure R-4C**  
**Solar Roof Top**

**GOVERNMENT OF KARNATAKA**

No EN 21 VSC 2014

Karnataka Government Secretariat,  
Vikasa Soudha,  
Bengaluru, dated: 22.05.2014

**NOTIFICATION**

To harness the potential of Solar resources in the State, Government of Karnataka has published Solar Policy vide GO no EN 61 NCE 2011 dated 01-07-2011 for the period 2011-2016. In light of technological advantages unfolding in the sector and achievements made by Solar forefront States, Government formed a Technical Committee vide G.O. No: EN 61 NCE 2011 Dated: 05.09.2013 for suggesting amendments to the existing Solar Policy 2011-16. With change in technology, Solar power, a green source of Energy is being considered as one of the alternative to augment the current sources. To have Energy security and sustainability, more capacity addition in Solar power, it is felt necessary, for a revision in Solar policy. Taking inputs from various stake holders, the Technical Committee has given its recommendation for revision of Solar policy.

Accordingly Government of Karnataka has decided to revise its Solar policy.

Now therefore the Government of Karnataka revises the existing Solar policy and makes the following policy, namely the Karnataka Solar Policy 2014-2021.

**Solar Policy 2014-2021**

**1. Preamble.**

The Government of India's Jawaharlal Nehru National Solar Mission (JNNSM) launched in January 2010, with the objective of achieving 34152 MW of solar power capacity by 2022 which will be around 3% of the total energy consumption and it is a concentrated effort to tap India's naturally available energy sources and contribute to low carbon sustainable growth in the country, while overcoming its ecological and energy security challenges.

Karnataka is rich in solar resources and solar energy will complement the conventional sources of energy in a large way. The State of Karnataka is blessed with about 240 to 300 sunny days with good solar radiation of 5.4 to 6.2 kWh/m<sup>2</sup>/day. Karnataka was the first southern state to notify its solar policy in 2011 and was the first state to commission utility scale solar project in India.

Assessment on Solar Potential in Karnataka estimates the energy potential as 20GW. However, considering different factors like availability of waste lands, evacuation infrastructure etc., the moderated potential may be around 10GW. Karnataka has the potential to evolve as a Solar Generation hub in India due to a host of factors.

To harness the potential of solar resources in the state, Government of Karnataka had issued a Solar Policy for the period 2011 - 16. In light of changes unfolding in the sector and achievements made by Solar forefront States, it is felt necessary to go aggressively for higher targets to achieve 3% contribution from Solar Source out of total energy consumption. The advantages of Solar energy are that the grid parity is realized in near future, lower transmission losses, environmental benefits, energy sustainability, lower gestation period, offset of day time peak load etc. considering the fact the Government of Karnataka has decided to review the policy.

## **2. Title.**

The policy shall be known as **"The Karnataka Solar Policy 2014 - 2021"**.

## **3. Operative period.**

The policy will come into effect from **2014** and shall remain in force until **2021** or till such time any changes are made by the State Government.

## **4. Abbreviations.**

- AD: Accelerated Depreciation
- ALDC: Area Load Dispatch Centre.
- APPC: Average Pooled Purchase Cost
- CDM: Clean Development Mechanism
- CEA: Central Electricity Authority
- COD: Commercial Operation Date
- CERC: Central Electricity Regulatory Commission
- ESCOMs: Electricity Supply Companies
- GEI: Government Electrical Inspectorate



- GOI: Government Of India.
- GOK: Government of Karnataka
- HLPAC: High Level Project Approval Committee
- IE Act: Indian Electricity Act
- IPP: Independent Power Producer
- JNNSM: Jawaharlal Nehru National Solar Mission
- KEREC: Karnataka Electricity Regulatory Commission
- KPCL: Karnataka Power Corporation Limited
- KPTCL: Karnataka Power Transmission Corporation Limited
- KREDL: Karnataka Renewable Energy Development Limited
- MNRE: Ministry of New and Renewable Energy
- MW: Mega Watt
- NGO: Non-Governmental Organization
- NLDC: National Load Dispatch Center
- PPA: Power purchase Agreement
- REC: Renewable Energy Certificate
- RPO: Renewable Purchase Obligation
- RTU: Remote Terminal Unit.
- SLDC: State Load Dispatch Center

##### 5. Objectives.

- To add solar generation of minimum 2000 MW by 2021 in a phased manner by creating a favorable industrial atmosphere.
- To translate Karnataka in to an investor friendly state.
- To encourage public private participation in the sector.
- To promote Solar Roof Top Generation and Technologies.
- To encourage decentralized generation & distribution of energy where access to grid is difficult.
- To promote R&D and innovations, skill development in the sector.

## 6. Applicability.

All solar power projects (solar PV and solar thermal) established in the state of Karnataka shall be eligible for benefits under the policy.

- **Grid connect, utility scale projects.**  
For the development of solar power projects under this policy any Individual / Firm / Society / Institution / Registered Company including Public utilities shall be eligible to apply.
- **Grid connect, rooftop projects.**  
All individuals' residential /commercial/Institutional/Govt. building owners, Industrial units are eligible to set up solar power plant within the prescribed capacity limit. In addition interested Firms/Registered Companies including public utilities shall be eligible to set up roof-top projects on third party roofs.
- **Off Grid projects.**  
Any individual shall be eligible to set up off Grid projects.

## 7. Regulatory Frame Work.

The Electricity Act 2003 mandates Karnataka Electricity Regulatory Commission to decide tariffs for renewable energy & to issue regulations regarding percentage of renewable purchase obligation to ESCOMs and decide charges with respect to wheeling, banking, cross subsidy charges. Conditions for getting accreditation to avail Renewable Energy Certificates shall be governed by CERC and KERC regulations.

Orders / regulations or any other dispensation issued by the State Commission from time to time shall be applicable to the provisions of this policy including the Acts passed by GOL. In case of any discrepancy between the provisions of this policy, orders/regulations issued by KERC will take precedence.

## 8. Minimum Program Targets

The Government of Karnataka in its endeavor to achieve minimum of 3% solar energy out of total projected consumption, proposes to install 2000 MW solar power by 2021 as below:

Year	2014 - 15	2015 - 16	2016 - 17	2017 - 18	2018 - 19	2019 - 20	2020 - 21
% of solar on total consumption of energy	1.5	1.75	2.0	2.25	2.5	2.75	3.0

It is proposed to meet the solar targets under different segments as below:

**1. Grid connected projects**

It is proposed to achieve minimum 1600 MW of grid connected utility scale solar power generation projects for sale of power to state ESCOMs, 3<sup>rd</sup> party sale and captive consumption.

**2. Grid connected roof top projects**

It is proposed to achieve minimum 400 MW of grid connected roof top solar generation projects in the state by 2018.

The minimum targets proposed for the policy period is as below:

Segment	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Utility scale projects,	350	150	150	150	200	200	200
Roof top solar PV project (grid connected and off grid)	100	100	100	100	-	-	-

**• Segment 1: Utility scale grid connected solar photovoltaic (PV) and concentrated solar power (CSP) projects.**

- **Category 1: Projects to promote distributed generation by land owning farmers throughout the state.**

The Government of Karnataka endeavor to promote solar energy projects preferably by land owning farmers with a minimum capacity of 1MWp and maximum capacity of 3MWp per land owning farmer in the state for sale of power to ESCOMs at KERC determined tariff from time to time. GoK shall facilitate purchase of energy generated under this category through ESCOMs.

Project registration and administration of PPA's shall be with respective ESCOMs. The cumulative capacity under this category shall be limited to 300MW on first cum basis within the policy period.

The capacity allocation for ESCOMs is as below:

ESCOMs	% of total annual energy consumption	Capacity for the period 2014- 20
BESCOM	48%	144 MW
MESCOM	8%	24 MW
HESCOM	20%	60 MW
GESCOM	13%	39 MW
CESC	11%	33 MW

- o **Category 2: Projects selected based on competitive bidding process for capacities more than 3MWp.**

Selection of Solar Power projects under this Category shall be through a competitive bidding process on KERC determined benchmark tariff, on need basis.

GoK shall facilitate purchase of energy generated under this category through ESCOMs. There shall be a set of qualification criteria fixed by the GoK for the prospective Developers of Solar projects under this category.

KREDL as a nodal agency shall invite proposals on specific orders from GoK for selection of Solar Power projects under two separate categories.

- o Projects availing accelerated depreciation benefits and
- o Projects not availing accelerated depreciation benefits.

The minimum project capacity allocation to each solar power producer for the grid connected solar power plants will be as follows:

Mode of allotment	Technology	Minimum (MW)
Through bidding process	Solar PV	3
	Solar Thermal	10

The capacity planned under this category excludes capacity allotted under JNNSM program.

- o **Category 3: Projects under Renewable Energy Certificates (REC) Mechanism.**

Solar projects under the REC mechanism shall be eligible for Policy benefits as allowed under CERC REC mechanism as per the Guidelines/Orders/Regulations issued by CERC/KERC from time to time. Under this mechanism the solar energy generators can sell the electricity to

the ESCOMS at APPC (Average pooled power purchase cost), as determined by the KERC.

The projects under this category shall be administered by ESCOMS and KPTCL. The project developers are required to pay facilitation fee to KREDL.

The minimum and maximum project capacity allocation to each solar power producer for the grid connected solar power plants will be as follows:

Mode of allotment	Technology	Minimum (MW)	Maximum (MW)
Through ESCOM	Solar PV	1	Based on transmission evacuation capacity.
	Solar Thermal	10	

*There is no limit for cumulative capacity under this category.*

o **Category 4: Projects under Captive/Group Captive Generation.**

The projects set up under this category shall consume power for captive use and comply with provisions of Section 9 of IE Act 2003, IE Rules with amendments and orders issued by KERC from time to time. The project developer is allowed to avail RECs in compliance with KERC/ CERC regulations.

The projects under this category shall be administered by ESCOMS and KPTCL. The project developers are required to pay facilitation fee to KREDL.

The wheeling and banking charges and cross subsidy are as per KERC guidelines.

The minimum and maximum project capacity allocation to each solar power producer for the grid connected solar power plants will be as follows:

Mode of allotment	Technology	Minimum (MW)	Maximum (MW)
Through ESCOM	Solar PV	No Limit	Based on transmission evacuation capacity.
	Solar Thermal		

*There is no limit for cumulative capacity under this category.*

o **Category 5: Projects under Independent Power Producer.**

Power plants those put up for sale of power to third party constitute this category. Projects under this category currently are not eligible for availing RECs.

The projects under this category shall be administered by ESCOMs and KPTCL. The project developers are required to pay facilitation fee to KREDL.

The minimum and maximum project capacity allocation to each solar power producer for the grid connected solar power plants will be as follows:

Mode of allotment	Technology	Minimum (MW)	Maximum (MW)
Through ESCOM	Solar PV	1	Based on transmission evacuation capacity.
	Solar Thermal	10	

*There is no limit for cumulative capacity under this category.*

o **Category 6: Projects under Bundled Power.**

The State encourages Central/ Karnataka State owned PSUs and Power Exchanges initiated by Government or PSUs for setting up solar projects in the State for providing solar power bundled with thermal power from outside the State at the rates to be determined by the Government subject to the approval of CERC / KERC.

The minimum and maximum project capacity allocation to each solar power producer for the grid connected solar power plants will be as follows:

Mode of allotment	Technology	Minimum (MW)	Maximum (MW)
Through ESCOM / HLPAC	Solar PV	Based on bundled tariff as agreed with the power purchaser.	
	Solar Thermal		

• **Segment 2: Grid connected solar rooftop projects and metering.**

The GoK shall promote grid connected solar rooftop projects on public buildings, domestic, commercial and industrial establishments through net metering and gross metering methods based on tariff orders issued by KERC from time to time.

**Net Metering:** Net metering arrangements are proposed (at multiple voltage levels) to focus on self-consumption of energy generated from roof top PV.

The concept is a combination of captive consumption and exchange of power with the utility.

- In case of solar rooftop PV systems connected to the grid of a distribution company on a nett basis, the surplus energy injected shall be paid by the ESCOMs at a tariff determined by KERC from time to time.
- Metering shall be in compliance with the CEA (Installations and operation of meters) Regulations 2006, the Grid code, the metering code and other relevant regulations issued by KERC/CERC from time to time.
- ESCOMs will define specific guidelines on the standards for connectivity to the network. The scheme shall be administered by respective ESCOMs (including registration, approval, metering protocols, safety protocol, and standards).
- Fiscal benefits by the way of state and MNRE subsidies shall be through nodal agency.
- The meter reading taken by the distribution licensee shall form the basis of commercial settlement.

○ **Site Requirement & Interconnection voltage:**

- The project site / installation locations may be decided based on the total energy requirement at the premises and the usable area available for installation of roof top Solar PV system.
- ESCOM approved export / import meters shall be installed for net metering purpose.
- **Interconnection voltages:**

System capacity	Voltage level	Remarks
Up to 5 KWp	240 V/single phase	As per KERC guidelines
5 KWp to 50 KWp	3 phase/415 V	
>50 KWp	11 KV	

○ **Other initiatives.**

- The GoK encourages energy-efficient design standards for energy generation, maximizing natural light entry, options that provide heat insulation including grid tied building integrated PV (BIPV) based building architecture.
- Government of Karnataka contemplates to amend building bye laws in respect of FAR (Floor Area Ratio) in co-ordination with BBMP / local bodies and urban development department to exempt FAR in respect of additional floor area created under solar PV panels with light roofing.

- **Segment 3: Solar Off-Grid and Decentralized Distributed Generation (DDG).**

To provide access to electricity where transmission and distribution systems are difficult to establish, solar powered off-grid solutions are encouraged.

GoK shall encourage options like solar street lights (through local bodies), roof top SPV systems with battery storage (through ESCOMs and NGO's) and others in both rural and urban areas for the purpose of reducing dependency on grid.

- **Focus on Solar Powered IP set.**

Karnataka has considerable deployment of irrigation pump sets consuming about one third of the total energy. Use of solar powered IP sets is encouraged involving other departments viz. Department of Agriculture, Department of Minor Irrigation, Department of Horticulture and Department of Social Welfare. This will help supplement the conventional power requirement apart from providing energy security to the farmers during day time.

## 9. Other initiatives

- **Solar park:** Development of solar parks helps to utilize uneven waste land for power generation, understand appropriate technology usage to achieve optimum efficiency, mitigate issues like watch & ward facilities by way of common infrastructure etc. The experience will be used to decide further development of solar parks in the State. The Policy encourages:
  - a. **Promotion of distributed generation through small solar parks.**  
The Government of Karnataka contemplates to provide financial assistance of Rupees 1 (one) Crore for development of each solar park with area not less than 100 acres through a viable model (PPP or Private participation or other) in the backward districts identified as per the recommendations of Nanjundappa committee.
  - b. **Promotion of integrated solar parks.**  
Private participation by providing "plug and play" options for developers. The promoters of the park may facilitate with additional support like EPC services, assistance in financial closure and skill development programs etc.
- GoK contemplates to create private land banks owned by individual farmers / group of farmers / associations for development of solar projects on long term lease basis up-to 30 years (subject to renewal after lease period) at lease rates fixed by GoK from time to time, in co-ordination with Revenue Department.



- **Grid tied canal corridor projects.**  
The GOK supports deployment of grid connected projects on canal corridor by water resources department on pilot basis subject to purchase of energy by ESCOMs.
- **Grid connected "solar with other renewable hybrid projects".**  
The GoK encourages projects that can benefit from existing project infrastructure. In this regard "solar with other renewable hybrid projects" having minimum 25% of overall generation coming from respective generation sources shall be promoted through this policy. The tariff will be at a mutually agreed rate with due approval of KERC.

## 10. Project Approval

**High Level Project Approval Committee (HLPAC)** specially constituted by the GoK for the purpose of approval and overseeing project progress, of capacities larger than 50MW.

The Committee shall constitute following members

- Additional Chief Secretary / Principal Secretary – Energy Department, Chairman.
- Principal Secretary – Finance Department, Member
- Principal Secretary – Revenue Department, Member
- Principal Secretary – Irrigation Department, Member
- Principal Secretary – Forest Department, Member
- Managing Director – KPTCL, Member
- Managing Director – KREDL, Member
- Managing Directors - ESCOMs, Member

All projects of capacity more than 1MW under RECM, IPP and captive generation projects shall be approved by the Government.

## 11. Nodal Agency

KREDL shall be the nodal agency for facilitating implementation of the solar policy as envisaged by the relevant authorities.

- KREDL shall facilitate developers with necessary support namely issue of facilitation letters to Deputy Commissioners, KPTCL and others.
- KREDL shall invite tenders to allot projects for procurement of energy by ESCOMs under preferential tariff.

## 12. Evacuation facilities

The developer shall be responsible for connecting the generating station to the nearest grid sub-station or inter-connection point with the grid. KPTCL/ESCOMs may at the

request of developer, take up work of construction and maintain the same on cost basis, which will be borne by the developer. KPTCL/ESCOMs shall not collect any network augmentation charges towards system augmentation beyond inter-connection point.

▪ **Generating Sub-Station:**

The Generating Plant Sub-station shall be developed and maintained by the Solar Power Producer as per the Grid Code applicable from time to time and the entire cost for this will be borne by them. Plant should be integrated by installing RTUs by solar power producers so that the power fed can be monitored at receiving Sub-station by the SLDC / ALDC on real time basis.

The Solar Power Producer shall furnish to SLDC / ALDC the requisite (i) Steady State Load Flow studies and (ii) Short circuit studies etc. for seeking connectivity with the Grid in reference to the provisions of the clause no. 6 "General Connectivity Conditions" of the Central Electricity Authority's "Technical Standards for Connectivity to the Grid Regulation, 2007" and its amendments from time to time.

▪ **Receiving Sub-Station and metering:**

- Developer in consultation with KPTCL shall finalize the location of receiving Sub-station through which the electricity intended to be evacuated at voltage levels - 400 / 220 / 110/ 66 / 33 / 11 kV sub-station.
- **LT Connected Solar Plant** - ESCOMs shall allow interconnection of solar power plants at 11 kV and below voltage level as per standard / norms fixed by Central Electricity Authority/guidelines of MNRE/ relevant KERC order.
- The metering shall be done by project developer as per the standards specified by KPTCL / ESCOM.

**13. Wheeling, Banking and Cross Subsidy Charges**

Charges shall be applicable as determined by KERC from time to time.

**14. Reactive Energy Charges**

In case of drawl of Reactive Power for the project, necessary charges shall be payable at the rates prescribed by KERC.

### 15. Fees & Charges

Fees and charges applicable for the year 2014 – 15 across various categories of utility scale and roof top projects are as given below:

Category	Application Fee (INR. Per project)	Facilitation Fee (INR)	Performance Guarantee / Bid Security / MW (INR)	Net worth/ MW (INR)
Under Competitive Bidding process.	10,000	100,000 per MW	10,00,000	2,00,00,000
REC (Supplying at APPC)	10,000	20,000 per MW	5,00,000	50,00,000
Captive/ Group Captive	10,000	25,000 per MW	3,00,000	NA
IPP for 3 <sup>rd</sup> party sale	10,000	25,000 per MW	5,00,000	2,00,00,000
Bundled Power	10,000	10,000 per MW	NA	NA
Roof top projects (5 - 50KWp)	1,000	2,000 per project	NA	NA
Roof top projects (>50KWp and up to 1MWp)	2,000	5,000 per project	NA	NA

Note: The charges mentioned above may be revised from time to time as notified by the GoK.

### 16. Fiscal Incentives from GoK to promote solar power.

- Tax concessions in respect of entry tax, stamp duty and registration charges shall be as per Karnataka Industrial Policy
- The Industrial Consumers opting to buy power from Solar Power Project under category 3, 4 and 5 shall be allowed corresponding pro-rata reduction in Contract Demand on a permanent basis but subject to the decision of KERC in this regard.

### 17. Government of India incentives: Various concessions allowed by Ministry of New & Renewable Energy viz central excise duty & customs duty exemptions shall be allowed to project developer.

**18. Policy initiatives under consideration of GoK to promote solar power projects.**

- Through this policy GoK intends to bring various HT categories of consumers with connected load of more than 50kVA under **Solar Purchase Obligation (SPO) with the consent of KERC.**
- GoK contemplates to facilitate deemed conversion of land for solar projects by amending section 95 of Land Reforms ACT.
- **Purchase of Land.** GoK contemplates time bound permissions and for vesting Deputy Commissioners with full powers to approve purchase of agriculture lands U/s 109 of Land Reforms Act for development of solar projects.
- **Conversion of agricultural land for setting up of solar projects:** Developers will be allowed to start project execution without waiting for formal approval on filing application for conversion of agricultural land for setting up of solar power projects on payment of specified fees.
- A separate dedicated cell with staff drawn from revenue dept shall be created in KREDL, to ensure creation of Govt /Private land banks for development of solar projects on lease basis including formulation of modalities, fees, etc
- Solar PV projects shall be exempted from obtaining clearances of pollution control board.
- Time bound clearance for evacuation approval from KPTCL. Reduction of supervision charges by KPTCL /ESCOMs to 5%.
- **Research & Development initiatives.** The State encourages R&D efforts on solar PV and CSP technologies, plant components and others that benefit the project ecosystem. The State is keen to support collaborative R&D efforts between premier institutes and technology companies.
- **Manufacturing support.** The state has some of the best technology manufacturers in the country. The GoK will actively support the growth of local manufacturing sector for indigenous development of technologies and other ancillary components in the ecosystem.
- **Skill development.** The GoK supports programs that train and develop local cadres with technical and development skills, that will help create direct and indirect job in the state.

**19. Implementation of MNRE Schemes.**

The state will continue to support implementation of JNNSM projects and all other schemes of the MNRE.

**20. Power to amend & interpret the policy.**


Government of Karnataka will have power to amend/ Review/ Relax/ interpret any of the provisions under this policy as and when required.

**21. Power to remove difficulties.**

If any difficulty arises in giving effect to this policy, the HLPAC as under clause-10, above, is authorized to issue clarifications as well as interpretations to such provisions, as may appear to be necessary for removing the difficulty either on its own motion or after hearing those parties who have represented for change in any provisions.

Not with standing anything contained in these resolutions, the provisions of the Electricity Act 2003 and the applicable regulations issued by CERC/KERC from time to time shall prevail for the purpose of implementations of this policy.

BY ORDER AND IN THE NAME OF  
GOVERNOR OF KARNATAKA,

  
(K.L. RAMACHANDRA)  
DEPUTY SECRETARY TO GOVERNMENT,  
ENERGY DEPARTMENT

☎ 22034679.

To,  
The Compiler, Karnataka Gazette, Bangalore for with a request to publish this in the forthcoming issue of the Gazette and to furnish 200 copies to Energy Department, Vikasa Soudha, Bangalore.

Copy to:

1. The Secretary, Ministry of New and Renewable Energy, Government of India, Block 14, CGO Complex, Lodhi Road, New Delhi-110003.
2. The Managing Director, KPTCL, Kaveri Bhavan Bengaluru-560009.
3. The Managing Director, KPCL, Shakthi Bhavan Bengaluru.
4. The Managing Director BESCO/MESCO/GESCO/HESCO/CESC/ PCKL.
5. The Managing Director, Karnataka Renewable Energy Development Limited, Bengaluru.
6. The Secretary, Karnataka Electricity Regulatory Commission, Bengaluru.
7. The Special Officer Reforms/ Executive Engineer(PP)/ Executive Engineer - 1/2/3, EMC Energy Department.
8. P.S. to Hon'ble Minister for Energy, Vidhana Soudha, Bengaluru.
9. P.S to the Chief Secretary to Government, Vidhana Soudha, Bengaluru.
10. P.S to the Additional Chief Secretary to Hon 'ble Chief Minister, Vidhana Soudha, Bengaluru.

11. P.S to the Additional Chief Secretary to Government, Energy Department, Bengaluru.
12. P.S to the Additional Chief Secretary to Government, Urban Development Department, Vikasa Soudha, Bengaluru.
13. P.S to the Principal Secretary to Government, Finance Department, Vidhana Soudha, Bengaluru.
14. P.S to the Principal Secretary to Government, Revenue Department, M.S.Building, Bengaluru.
15. P.S to the Principal Secretary to Government, Forest, Ecology and Environment Department, M.S.Building, Bengaluru.
16. P.S to the Principal Secretary to Government, C&I, Vikasa Soudha, Bengaluru.
17. P.S to the Principal Secretary to Government, Water Resource Department, Vikasa Soudha, Bengaluru.
18. P.A. to Deputy Secretary to Government, Energy Department, Vikasa Soudha, Bengaluru.
19. SGF/office copy/spares.

**Annexure R-4D**

# **Consumer guidelines for Grid connectivity of Solar Rooftop PV systems on Net-metering in BESCOM**



### Introduction:

Solar energy is a clean, pollution free and renewable source of energy. Karnataka being located between 11°40' and 18°27' North latitude and the geographic position favours the harvesting and development of solar energy.

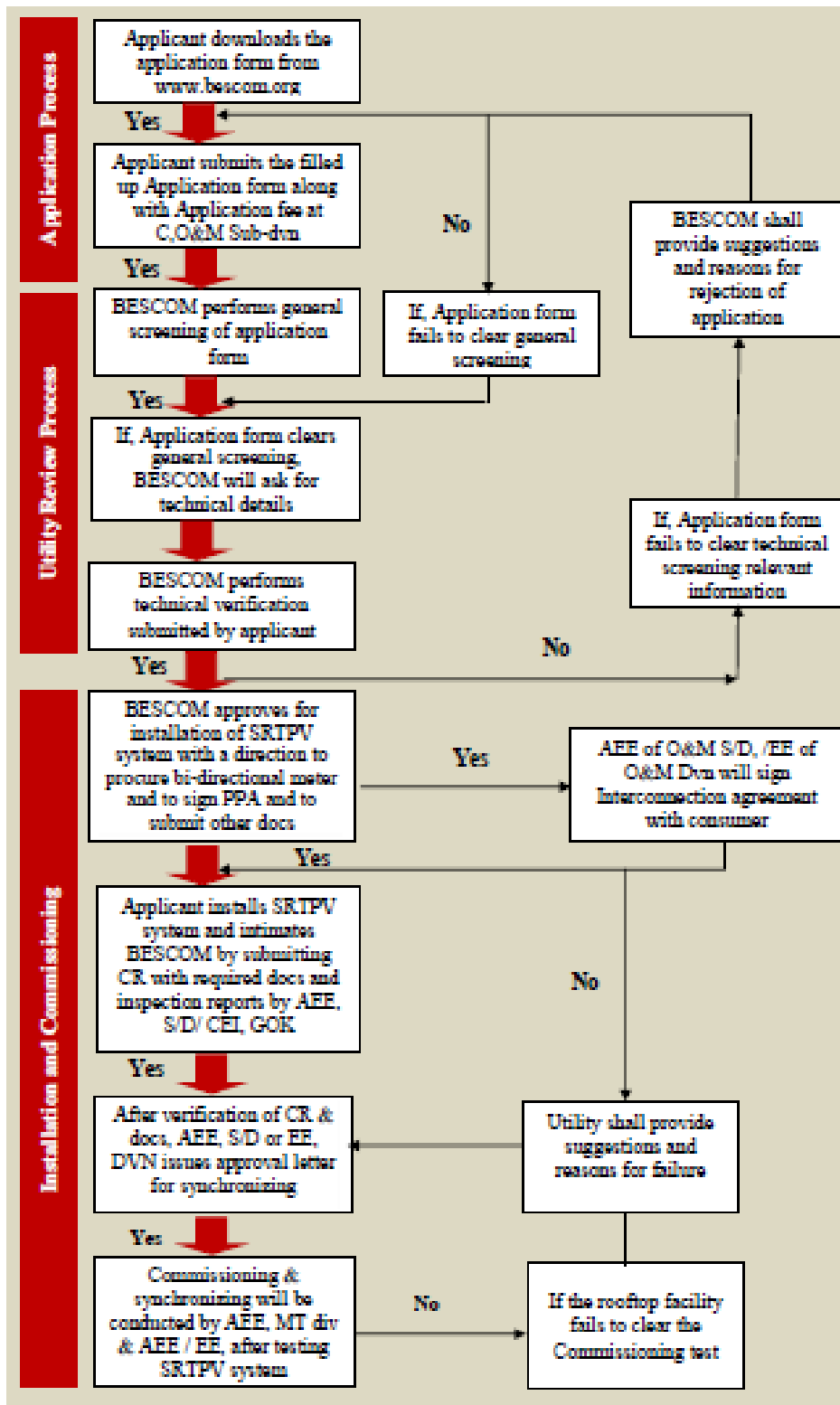
Karnataka state is blessed with about 240 to 300 days of sunny days with solar radiation of range 3.8-6.4 kWh/sq.m. (Summer - 5.1- 6.4 kWh/sq.m/ day, Monsoon - 3.5 - 5.3 kWh/sq.m/day and Winter - 3.8 - 5.9 kWh/sq.m/day).

The Government of Karnataka has announced the Solar policy 2014-21, grid connected solar rooftop system under net-metering basis forms an integral part of the policy. The applications are invited from BESCOM consumers who wish to install grid-connected Solar rooftop PV systems under net-metering scheme.

Please refer the Schematic diagram of Solar RTPV system on net-metering. In grid-connected solar PV systems, the DC solar energy produced by the solar panels is converted to AC (alternating current) by a solar grid inverter. The output of the solar grid inverter connected to the distribution switch board of the building through bi-directional meter.

Generated energy from the SRTPV system is first consumed (self-consumption) by the loads of the building (lights, fans, appliances, etc.). If the SRTPV generated energy is more than the building loads consume, the surplus energy will automatically be exported to the BESCOM distribution network (the grid). If there is less solar energy generated than the loads of the building requirement, the shortfall energy will be drawn from the grid (energy import).

**FLOW CHART OF INTERCONNECTION PROCESS**



**GENERAL INSTRUCTIONS AND PROCEDURE FOR AVAILING  
SRTPV CONNECTION**

1. The interested applicants of domestic, commercial, educational institutions, industrial establishments etc, who are consumers of BESCOM can download the Application forms from BESCOM website [www.bescom.org](http://www.bescom.org) (Format-1).

2. The fee payable are as follows:

Sl. No.	Capacity of proposed SRTPV system	Registration fee	Facilitation fee
1.	Upto and inclusive of 5.0 kWp	Rs.500/-	Rs.1000/-
2.	Above 5.0 kWp and below 50 kWp (67 Hp/59 kVA)	Rs.1000/-	Rs.2000/-
3.	Above 50 kWp (67 Hp/59 kVA) and upto 500 kWp	Rs.2000/-	Rs.5000/-

3. The applicant is required select a reputed system installer to install the SRTPV System, who have experience in design, supply and installation of SRTPV system.

4. The list of approved vendors for meters is available in BESCOM website.

5. Inverters of MNRE approved manufacturers shall be used. The list of approved vendors for inverter is MNRE approved inverter manufacturers which is available in BESCOM/ MNRE website. Only those inverters which meet all required IEC standards /IS shall be eligible for installation as per the Format – 5.

6. List of MNRE Channel Partners is available in BESCOM/MNRE website.

7. After installation of SRTPV system, AEE C,O&M Sub-division, BESCOM is the inspection authority for SRTPV systems upto 10kWp and above 10kWp, Chief Electrical Inspectorate, Government of Karnataka is the inspecting authority to meet safety standards.

8. The Applicant has to procure bi-directional meter from any of the approved vendors of BESCOM as per CEA guidelines. The vendor list of bi-directional meters can be downloaded from BESCOM website.

9. The rooftop/terrace must have easy access.

10. The applicant should be the owner of the property or authorized person. If the property is in the name of the Company, Trust, Co-operatives / partnership firms, then authorization shall be assigned to a person for

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correspondence, paperwork, execution of various agreements, etc. Such person must be authorized by the management of the organization. In case of partnership firms, the authorized signatory must be one of the partners, to whom written consent has been given by the other partners.

11. The authorization Format - 1A/1B and self-certification Format - 1C can be downloaded from the website.
12. If consumer is not availed subsidy, shall furnish self-certification for not availing subsidy from MNRE.
13. Application registered is not transferable.
14. BESCOM shall not be held responsible for any legal disputes between the applicant and SRTPV system installer arising out of the contract.
15. Net metered energy means: The difference of meter readings of energy injected by the SRTPV system into the grid (export) and the energy drawn from the grid for use by the seller (import) recorded in the bi-directional meter.
16. The tariff for injecting surplus energy by rooftop installation will be as per the prevailing tariff determined by KERC from time to time. (At present the tariff is Rs.9.56 per unit for installations without subsidy and Rs.7.20 per unit for installations with subsidy upto 31<sup>st</sup> March 2018).
17. In case the installed (also read proposed) capacity of the SRTPV system is higher than the sanctioned load of the consumer, which may consequently requires an upgradation in the infrastructure (service line, meter with CT (if required), transformer upgradation (if required)), the consumer will have to upgrade at his/ her/ its own cost under prevailing conditions of deposit contribution work. For further information regarding upgradation of infrastructure can be obtained from AEE(Ele.), C, O&M, sub-division Office, BESCOM.
18. The list of documents to be furnished along with the application are:
  - a. Copy of the latest Electricity bill.
  - b. Authorization letter Format-1A in case of Company/Trust/Co-operatives/ Partnership and Format -1B for Partnership firms.
  - c. Copy of the Subsidy sanction letter from MNRE/ self-certification for not obtaining MNRE subsidy Format -1C.
19. Interconnection voltages as per KERC:

Sl. No.	System Capacity	Voltage level
1	Upto & inclusive 5 kWp	240 Volts
2	Above 5 kWp to upto 50 kWp	415 Volts
3	Above 50 kWp & above upto 500 kWp	

20. If, the existing power supply of the consumer is of single phase and wishes to apply for three phase SRTPV system, installation shall be sanctioned from AEE, C,O&M Sub-division before applying. Otherwise the application will be rejected.
21. The nodal point of contact for Solar RTPV program shall be the AEE, C,O&M Sub-division BESCOM.
22. The Technical, safety, grid connectivity standards are to be followed as per the technical standards enclosed with Format - 5.
23. BESCOM personnel reserve the right to inspect the entire plant routinely at any time as per the distribution code approved by KERC.
24. The consumer shall pay the Electricity tax and other statutory levies, pertaining to SRTPV generation, as levied from time to time.
25. The Applicant shall install the meter of SRTPV system and bi-directional meter in separate meter boxes in the same proximity or at a suitable place in the premises accessible for the purpose of recording the reading.
26. Solar meter reading will be taken for statistical purpose only and not for billing.
27. In regard, of any queries/complaints/information, the Applicant/Consumer can contact the AEE, C, O & M Sub-division / Solar help desk at DSM section, Corporate office, BESCOM
28. **Subsidy:**
  - The Applicant can avail MNRE subsidy of 30% on the capital cost of the Solar rooftop PV systems.
  - For availing subsidy, MNRE guidelines and standards are to be followed, details obtained from MNRE website [www.mnre.gov.in](http://www.mnre.gov.in)
  - MNRE subsidy shall be availed through KREDL or by any of MNRE channel partners.
29. **Dispute Resolution:**

All the disputes between the SRTPV consumer and BESCOM arising out of or in connection with the agreement shall be first tried to be settled through mutual negotiation. The parties shall resolve the dispute in good faith and in equitable manner. In case of failure to resolve the dispute, either of the parties may approach the appropriate Forum of law.

### PROCEDURE FOR AVAILING SRTPV CONNECTION

1. The Applicant shall submit the filled-in Application along with the necessary documents to jurisdictional O&M, Sub-division office, BESCOM.
2. On submission of Application form to concerned AEE, Sub-divisional office, will perform general screening and register the application with acknowledgment to the Applicant.
3. After revenue verification, the Application shall be sent to concerned Section officer / Asst. Executive Engineer/ Executive Engineer, C, O&M BESCOM as per delegation of powers for Technical feasibility report.
4. After obtaining the Technical feasibility report, AEE, C, O & M Sub-division will seek Technical details of the Equipments / components proposed to be used in the SRTPV system from Applicant.
5. The Applicant at his liberty to select a reputed system, installer, to gather technical information of SRTPV system and furnish the technical details of PV modules, Inverters and other equipments of the SRTPV system, proposed to be installed at the roof of the applicant within 30 days to the concerned C, O&M Sub-divisional office for technical screening as per the Format - 5.
6. On clearing of Technical screening, Approval letter for installation work of SRTPV system will be issued to the Applicant by the AEE/EE, C,O&M BESCOM as per delegation of powers.
7. After completion of installation work of SRTPV system, the work completion report is to be submitted by Applicant to AEE/EE C,O&M, BESCOM with the following documents:
  - i. Copy of receipt of facilitation fee paid.
  - ii. Approved drawings and approval for Commissioning from Chief Electrical Inspectorate (CEI), GoK (for capacity above 10kWp).
  - iii. Test Certificate of bi-directional meter from MT division, BESCOM.
  - iv. Copy of Power Purchase Agreement on Rs.200/- stamp paper with BESCOM.
  - v. Work completion report from system Installer as per the Format - 6A.
  - vi. Facing sheet of Bank pass book containing details of Name of the Bank, Type of account, Account No, Name of the Branch, IFSC code etc.,  
*The maximum time frame for completion of installation work in all respect by the applicant is 180 days.*
8. Applicant shall take clearance/approval from AEE, O&M, BESCOM upto 10kWp and for above 10 kWp, Chief Electrical Inspectorate, GoK will inspect the installation to meet safety standards.

9. After verification of all documents and completion reports submitted by the Applicant, AEE/EE will issue sanction letter for testing and commissioning of SRTPV system.
10. The testing, commissioning and synchronization of the SRTPV system shall be carried out by the concerned Sub-divisional/Divisional Engineer along with MT staff/Section Officer.
11. During the period of synchronization of the SRTPV system with BESCOM grid, the BESCOM personnel shall inspect, calibrate and seal the bi-directional meters.
12. The concerned AEE/EE C,O&M will issue letter for synchronization of the SRTPV system.

#### **Billing and Payment**

1. BESCOM will issue monthly electricity bill for the net metered energy on the scheduled date of meter reading.
2. In case, the exported energy is more than the imported energy, BESCOM shall pay for the net energy exported after self-consumption as per Tariff agreed in the agreement within 30 days of issue of bills duly adjusting the fixed charges and electricity dues if any and credited to the bank account through NEFT.
3. In case, the exported energy is less than the imported energy, the SRTPV consumer shall pay BESCOM for the net imported energy as per the prevailing retail supply tariff determined by the Commission from time to time.

Single Line Diagram of Rooftop Facility

