

5th STATE LEVEL HIGH POWERED STEERING COMMITTEE

AGENDA NOTES



Date : 20th August 2016 Venue: 12.30PM

Venue: Committee Room of the Chief Secretary

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AGENDA NO.1 Approval of Minutes of the 4th meeting of SHPSC.

The minutes of the 4th SHPSC meeting of AMRUT held on 11th August 2016 is attached as **Annexure – i**

Decision to be taken

The Committee may take note of the minutes and approve the same.

AGENDA NO.2 Action taken report on the decisions of the 4th meeting of SHPSC

Decision 2.2 Role Clarity of implementing agencies
i. “To constitute a separate vertical in KWA to implement the projects under Water supply. This vertical would be responsible for the project implementation, status review & its accounting both in terms of time and cost over-runs under AMRUT. A time line for the projects implementation shall be charted out by the PIU. Cost overrun shall be borne fully by KWA. Also there shall be penalty for delay ”
Action Taken : pending
vii.“A regulatory authority is required to bench mark and monitor the performance of KWA as a service delivery utility. It was also decided to constitute a Committee under the Chief Secretary to discuss the above matters. The members in the Committee are <ul style="list-style-type: none"> ● Additional Chief Secretary (Finance) ● Additional Chief Secretary (Water Resources) ● Additional Chief Secretary (Planning & Economic Affairs) ● Principal Secretary, LSGD ● Special Secretary, LSGD & Mission Director, AMRUT”
Action Taken : pending
“The Committee discussed the possibilities of implementing projects under Sewerage/ Septage by the Local Government themselves through competitive bidding process where KWA can also participate with a third party certification. <p>Additional Chief Secretary (Planning & Economic Affairs) suggested to explore the formulation of an SPV to implement projects under Sewerage and Septage. The SPV may support local governments to hire consultants to design the projects as per their local need</p>

and implement the same through national EPC bidding.”
Action Taken : pending
Decision 2.3 Reforms to be initiated under AMRUT
“The SHPSC directed the State Mission Management Unit to initiate the process for accomplishing milestones of the reforms to be addressed at the State level . The SHPSC discussed the note on reforms prepared in Malayalam should be reworked by identifying those to be accomplished at State/ Central and local levels. The reforms to be achieved at local level shall be detailed indicating the process and approach, miles stones, expected impact and timeline. It was decided that the Mission Management Unit shall present the reforms in detail to the council of AMRUT cities.”
Action Taken : pending
Decision 4. State Annual Action Plan 2016-17
The Committee entrusted the Principal Secretary, LSGD to hold a joint meeting of the Mayors/Chairpersons & officials of the AMRUT mission cities and KWA , to rework and finalise the projects in SAAP 2016-17, on 16 th August 2016 at Kochi.. Hence it is decided to have a one day workshop at the conference hall of GCDA.
Action Taken : A meeting was held with the peoples’ representatives & officials of the 9 AMRUT cities & KWA officials on 16.08.2016 at GCDA chaired by the Principal Secretary LSGD. The Principal Secretary informed the SHPSC’s decision with respect to the role of KWA, fund allocation and project identification to the participants. Also, advised the mission cities to rework the project identification and submit the project list to be included in the SAAP 2016-17 by 19 th of August 2016.

AGENDA NO.3. Approval of State Annual Action Plan (SAAP) 2016-17

The total Central Allocation to the State under AMRUT during the Mission period (2015-16 to 2019-20) is Rs.1161.20 Cr. The State and the Mission cities together have to put in a matching share. Hence the total outlay under AMRUT mission is Rs.2333.92 Cr over a period of 5 years.

Table 1. Central Allocation under AMRUT

Period	2015-16		2016-17		2017-18		Mission Period	
	ACA	SAAP	CA	ACA	CA	SAAP	CA	SAAP
Amount in Rs Cr	287.98	587.48	386.40	772.80	486.82	973.64	1161.20	2333.92

The 4th SHPSC commented that the projects proposed under the SAAP were partial in nature and hence suggested to consider the allocation for the years 2016-17 and 2017-18, while conceiving the projects for water supply and sewerage projects and to phase the components across the years. Thus to plan for large scale projects covering all components under water supply systems and sewerage and to complete the implementation of the project within the project period.

Also the committee had decided to focus mainly on the water supply projects, aiming at inclusive coverage, improving the quantity and quality of water supplied, reduce NRW, and to promote Rain Water Harvesting & water re-use.

As per the decision of the committee Principal Secretary, LSGD had organized a one day work shop to rework and finalise the projects in SAAP 2016-17 on 16th Aug 2016 at Kochi. Mayors/Chairpersons & officials of the AMRUT mission cities and KWA participated in the workshop and they further prioritized the projects to be included in SAAP 16-17.

Table 2. City-wise total allocation under AMRUT

#	ULB	2015-16	2016-17	2017-18	TOTAL
		Amnt Rs Cr			
1	Thiruvananthapuram	103.73	112.3	141.47	357.50
2	Kollam	65.68	83.1	104.67	253.45
3	Alappuzha	50.01	76.4	96.29	222.70
4	Kochi	75.91	102.6	129.30	307.81
5	Thrissur	71.03	88	110.90	269.93
6	Guruvayoor	41.76	70.9	89.28	201.94
7	Palakkad	50.49	75.3	94.83	220.62
8	Kozhikode	71.13	90.1	113.53	274.76
9	Kannur	58.25	74.1	93.37	225.72
	TOTAL	587.99	772.8	973.64	2334.43

State Annual Action Plan (SAAP 2016-17) will be presented as part of the PowerPoint presentation during the meeting.

List of proposed projects submitted by the mission cities are in **(Annexure –ii)**

Reform Implementation Plan 2016-17 **(Annexure –iii)**

Capacity Building Plan 2015-16 **(Annexure –iv)**

Decision to be taken

The SHPSC may discuss and approve SAAP 2016-17.

AGENDA NO.4 Administrative Sanction of DPRs of projects under SAAP2015-16

The State Government has received an amount Rs 57.6 Cr(20% of ACA) and in the Financial year 2015-16, 20 projects have been accorded with Administrative Sanctions for a total amount of Rs 34.39cr Cr (Central Share -17.19 Cr).

The SLTC held on 4th August 2016, recommended 17 DPRs received from the mission cities to be accorded Administrative Sanction (AS) from SHPSC. List of projects received from ULBs/KWA is enclosed as **Annexure –v**

Table 3. Sector-wise project list

#	SECTORs	Project Cost (Rs. Cr)			
		TOTAL	Central share (50%)	State Share (30%)	ULB Share (20%)
A	WATER SUPPLY				
1	Thiruvananthapuram	45.00	22.50	13.50	9.00
2	Ernakulam	6.85	3.43	2.06	1.37
3	Thrissur	29.76	14.88	8.93	5.95
4	Palakkad	10.00	5.00	3.00	2.00
5	Kozhikode	17.87	8.94	5.36	3.57
6	Kannur	27.55	13.78	8.27	5.51
B	SEWERAGE/SEPTAGE MANAGEMENT				
1	Thiruvananthapuram	30.40	15.2	9.12	6.08
C	OPEN SPACES/PARKS				
	Thrissur	0.91	0.455	0.273	0.182
D	TOTAL	168.34	84.17	50.5	33.67

Decision to be taken

The SHPSC may consider according Administrative Sanction for the 17 projects and may direct the Technical Committee to review the DPRs and issue Technical Sanction for the same.

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Annexure- i

Minutes of the 4th SHPSC Meeting

LIST OF PRIORITY PROJECTS 2016-17

Priority Projects for 2016-17						
City	Project	Cost in Cr	Total cost	Current Service level baseline	Expected Service Levels	
THIRUVANANTHAPURAM	WATER SUPPLY					
	Construction of 75 mld Water Treatment Plant (Phase II)	25	29.04	per capita supply	100LPCD	150 LPCD
	Installing smart metres- Phase I	2		Quality	92%	92%
	Rehabilitation of treatment plants- Phase I	2.04		NRW	30%	28%
	SEWERAGE					
	Decentralised community septic tank system for households (around 200 to 250 families)	25.00	50.69			
	Decentralised sewerage treatment plant at Medical College campus including water recycling	10.00				
	Providing new network in the missing areas of core city and rehabilitation of networks	15.69				
	STORM WATER DRAINAGE					
	Providing new net work coming under DPR I, II ,III	19.09	19.09	Coverage of storm water drainage	60%	75%
	URBAN TRANSPORT					
	Foot over bridge St. Mary's Pattom	3.00	11.23	Available Pedestrian facilities	LOS 4	LOS3
	Foot over bridge with escalator, East Fort	3.00				
	Multi level parking at Thampanoor	5.23				
	GREEN SPACE					

	Developing 4 parks	2.25	2.25	Per person open space	1 sq.m per person	1 sqm per person
ALAPPUZHA	WATER SUPPLY					
	2 nd Phase Augmentation and Modernization of water supply distribution system in Alappuzha Municipality (2nd phase)	115	115	Coverage	62%	68%
				per capita supply	50 LPCD	135 LPCD for 18% of the total popln
				Quality	66%	100 % for 18% of the total popln
	SEWERAGE					
	Decentralized treatment systems for septage management in Alappuzha Municipality (2nd phase)	8	8	Coverage of sewerage network	0%	0%
				Efficiency in Treatment	0%	10%
	STORM WATER DRAINAGE					
	Increase in coverage of Storm water drainage network by strengthening the main natural canals and connecting canal networks .	38.97	38.97	Coverage of storm water drainage	24%	30%
				Incidence of water logging	26 nos	14 nos
	URBAN TRANSPORT					
Construction & renovation of pedestrian friendly foot paths ,Junction improvement and providing modern bus shelters.	7.25	7.25	Available Pedestrian facilities	5%	10.56%	
Green Space						
Renovation and Development of park in Town square.	0.4	1.53	Per person open space	3 sq.m per person	3.2 sqm per person	

	Development of green cover protection and boundary wall protection at Valia Chudukadu.	0.55				
	Development of park on the bank of AS canal and jogging track along the canal banks.	0.58				
	WATER SUPPLY					
	Replacement old damaged pipeline along Pandit Karuppan road , size 160 mm pvc 4400 mtr - benefitted div. 58,59	1.65	42.04	Coverage	85%	90%
	Replacement of old damaged pipe line from Valanjambalam to Ravipuram-size 160mm & 110mm PVC length , 1000 mtr-div. -61	0.69		per capita supply	145 LPCD	150 LPCD
	Replacement of old damaged pipe line along Konthuruthy branch road. SIZE 300MM DI, LENGTH 840M Div. 58 part	0.70		NRW	47%	40%
KOCHI	Zoning by renovation of existing Kadanthra oh tank 22 lac litre capacity including laying pumping main from Thammanam to Kadanthra . SIZE 500MM 4KM -Div. 54,55,56,57, (60,63 part)	10.00		Quality	90%	95%
	Zoning by constructing new sump of capacity of 2.5 lac and oh tank 17l at Pachalam Div. (32,33,34,69,70,71)part, 72,73	8.00		Cost Recovary	90%	50%
	Laying transmission main from Kathrukadavu to Pachalam 400MM DI /MS , LENGTH 4 KM	7.00				
	Edakochi south second reach-Laying pipe line (size-450 mm) Div- 15,16	1.50				

	Laying pumping main 700mm di pipe from JnNURM treatment plant Maradu to Thammanam pump house reach ii (2000 m) for additional pumping of water (up to 40 mld) to Kochi city (for reach i, fund available with kwa)	7.50				
	Laying rider line from Kathrikadavu to Elamkulam Chettichira, Ponnurrunni areas	5.00				
SEWERAGE						
	Completion of the decentralized sewerage system sanctioned under AMRUT for the year 2015-16	30.78	30.78	Coverage of sewerage network	3%	7%
				Efficiency in Treatment	5%	9%
Storm Water Drainage						
	Renovation of canals and sub drains	13.00	17.44	Coverage of storm water drainage	47%	55%
	Construction & renovation of area drains	4.44		Incidence of water logging	95 nos	80%
URBAN TRANSPORT						
	Foot paths along various roads	8.26	10.26	Available Pedestrian facilities		
	Foot over bridge at two Nos	2.00				
GREEN SPACE						
	Renovation Four existing parks	2.05	2.05	Per person open space	10.6 sq.m per person	10.6 sqm per person
WATER SUPPLY						
THRISSUR	Replacement of AC/PVC pipe to 500 mm DI and 160 mm PVC pipes for around 42 km	30 Cr	50	Coverage	60%	70%

	Supply and laying of various Dia distribution lines for around 100 Km with pipe dia 160 mm PVC to 300 mm DI	20 Cr		NRW	30%	25%
Sewerage						
	Construction of waste water treatment plant Phase- II	50 Cr	50 Cr	Coverage of sewerage network	0%	90%
				Efficiency in Treatment	0%	90%
Storm Water Drainage						
	Construction of new drains and reconstruction of culverts	35 Cr	35 Cr	Coverage of storm water drainage	6%	24%
URBAN TRANSPORT						
	Renovation of foot path	15 Cr	19 Cr	Available Pedestrian facilities	6	12
	Foot over bridge	4 Cr				
GREEN SPACE						
	Rejuvenation of existing children's park at Ayyanthol near Civil Station and development of living harmony green belts and green strips.	1.50 Cr	3 Cr	Per person open space	14.89 sq.m per person	14.89 sqm per person
	Rejuvenation of Achutha Maidanam Park, Kanattukara, Thrissur.	0.15 Cr				
	Rejuvenation of Rajendra Park, Chiyaram South, Thrissur.	0.10 Cr				
GURU	WATER SUPPLY					

	Implementation of a new project with Bharatha Puzha as source with a treatment plant of 10 MLD including all necessary components.	60	60.0	Coverage	16%	100%
				per capita supply	36 LPCD	135 LPCD
	Construction of OHT for 1 MLD, Pumping Main with necessary components, Distribution network line in Town Area, Pookkodu and Thaikadu areas-Phase 2	51.18				
	Sewerage					
	Laying of sewerage network for 15km in Guruvayoor municipality	20	20	Coverage of sewerage network	10%	30%
	Storm Water Drainage					
	Construction of new drains in 43 wards of Guruvayur municipality	0.78	0.78	Coverage of storm water drainage	35%	37%
	Urban Transport					
	Construction of a Five Storied Multi level parking plaza at Guruvayur for parking of various vehicles (340 cars, 40 buses and 240 two wheelers)	25	19		LOS 4	LOS2
	GREEN SPACE					
	Development of park at Brahmakulam, Thykadsmashanam in ward No.6, Guruvayur municipality	0.62	1.42	Per person open space	15.40 sq.m per person	
	Development of park at Pookode Chathankad Smasanam, ward in No.3 of Guruvayur municipality	0.80				
	WATER SUPPLY					
PALAKKAD	New pumping main-From Malampuzha WTP to Mattumantha DI- K9 pipe 600 mm – 2850 m	7	7	Coverage	62%	70%

Construction of 35 MLD water treatment plant (Phase I)	12	20	per capita supply	88LPCD	150 LPCD
Construction of OHSR 2 Nos , total 56LL capacity (Phase I)	11.87	12	Quality		
			NRW	30%	20%
SEWEARGE					
Septage treatment plants Decentralized sewerage treatment plants Sewer lines Pump houses Septic tank suction units	22.59	22.59	Coverage of sewerage network	0%	20%
			Efficiency in Treatment	0%	50%
STORM WATER DRAINAGE					
Thirunellayi Manappullikkavu Thodu	2	12.8	Coverage of storm water drainage	61%	69%
Selva palayam- Indira Nagar	0.3				
Chadana Kurissi	0.3				
Arayakulam	0.5		Mixing of sewerage	60%	40%
Parakkunnam - Narikuthi	0.5				
Sree Rama Palayam	0.4				
Kallikkadu	0.4				
Karim Nagar	0.7				
New colony	0.5				
Chakkamthara- Kaikuthu parambu	0.7				
Karukoodi	0.5				
Salamath Nagar	0.3				
Poolakkad	0.2				
Mission school	0.2				
Kaalambuzha thodu	0.3				
Selvinagar thodu	0.5				
Manakka Thodi secondary drain	0.5				

	Mattumantha – palayam - Chuliyodu	0.35				
	Sasthri nagar- PVR nagar- Anjali gardens	0.22				
	Vadakkanthra road secondary drain	1				
	GB road to Noorjahan secondary drain	0.5				
	GB road to Noorjahan secondary drain	0.28				
	Maettupalayam street drain	0.7				
	Kunnathoor medu drain	0.5				
	Olavakkode- Near co operative	0.45				
URBAN TRANSPORT						
	GB road escalator	2	2	Available Pedestrian facilities	3	4
	Bus stand yard	2	2	Parking: Availability of On-street paid public parking spaces	3	4
	Bus shelters	1	1			
	Melamuri- Kalmandapam foot path	2	2			
	Parking near CSI hostel	0.2	0.2			
	Parking in salamath nagar	0.33	0.33			
Green Space						
	Kottamaidanam (phase 3)	0.25	0.25	Per person open space	3.43 sq.m per person	4 sqm per person
	A R menon Park	0.41	0.41			
	Dr Krishnan park	0.5	0.5			
	Krishnamenon park	0.25	0.25			
	Gandhi park in municipal office	0.1	0.1			
WATER SUPPLY						
KOZHIKODE	Rehabilitation of Rehabilitation of existing old pipes, valves, and interconnections with existing lines -phase 2	14.56	14.56	NRW	30%	20%

	Strengthening of existing infrastructure facility and quality improvement of CWSS		17.27			
	Providing steel Bridge & laying 750 mm & 500mm MS pipe line for 100 mtrs at Thenghila kadavu River Crossing.	5.5		per capita supply	100lpcd	135lpcd
	Replacing pum pset in stage II pump house with all accessories at Mavoor & Kuttikattur (Mavoor -145HP 3Nos, Kuttikkatur - 145HP 3 Nos)	2		per capita supply	100lpcd	135lpcd
	Providing Raw water pump set 600HP at Mavoor	1.5		per capita supply	100lpcd	135lpcd
	Providing pipe line Meenchanda -Eranghipalam mini bypass Up to Mankavu with 200mm DI Pipes.	2.5		Coverage	44%	3.5% increase
	Improvement of 36 mld and 18mld treatment plant at Mavoor.	3		Quality	90%	100%

	Laying pipe line along Mavoor road with 200mm DI Pipe.	2		Coverage	44%	1.5% increase
	Providing fire hydrant & laying feeder line 8Km	0.77				Outbreak of fire can be controlled effectively
Sewerage						
	Construction of sewerage system in zone A- part B	27.03		Coverage	0%	11.4% (utilising next years fund also)
Storm Water Drainage						
	Construction of drain at Benz automobiles-Passport office-EKCanal	10.5	15.32	incidence of water logging	20	18
	Manorama- Kattuvayal-sale tax office- EK canal Drain -Balance works	4				
	Cleaning of B K Canal	0.82				
Urban Transport						
	Construction of multilevel parking complex at stadium junction	14.12	14.12			Increase in parking facility
Green Space						
	Renovation of Jetty Park, Elathur	0.75	1.8	Per person open space	12 sq.m per person	12sqm per person
	Development of Eravathkundu V K Krishnemenon Smruthivanam	0.75				
	Renovation of Ansari Park	0.3				
WATER SUPPLY						
KAN	Laying Conveyance	8	30.38	Coverage	43%	43%

	main/Pumping main from Melechovva to OHSR at Edakkad including supply Erection of Pumpsets			per capita supply	90LPCD	90LPCD
	a) Enhancing Capacity of Treatment plant from 30.00 MLD to 40.00 MLD including modernisation of existing treatment plant	10		Quality	100%	100%
	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges (PWD/NH/Corporation)	12.38		NRW	32%	32%
Sewerage						
	Providing septage Collection and Spetage Treatment Plant at Edakkad	No split up is given by KWA	22.23	Coverage of sewerage network	0%	15%
	Providing sewerage system in Pallikunnu area (Zone 2)			Efficiency in Treatment	0%	15%
				Efficiency in Treatment	0%	
Storm Water Drainage						
	Construction of new primary drains, secondary drains and rejuvenation of primary drains	12.6	12.6	Coverage of storm water drainage	10%	15%
				Mixing of	60%	40%

				sewerage		
	Urban Transport					
	Construction of new footpath with handrails.	7.41	7.41	Available Pedestrian facilities	LO4	LO3
	GREEN SPACE					
	Rejuvenation of Babu Rajendra park.	1		Per person open space	3.29	3.29
	Rejuvenation of Avera Gramamandiram park.	0.48	1.48			
	WATER SUPPLY					
KOLLAM	Providing new Water connections with metering systems	7	34.07	Coverage	39%	100%
	Comprehensive WSS to KMC Phase –II	25.07		per capita supply	65 LPCD	135 LPCD
	Rain water harvesting	2		Quality	77%	100%
				NRW	30%	20%
	SEWERAGE					
	Sewage Treatment Plant (Continuation from SAAP 2015-16)	16.6	24.93	Coverage of sewerage network	0%	23%
Sewer network- Replacement of damaged network and laying of balance network, Construction of Pumping Station at Sarpakuzhi sub Zone of A1 Part 1	8.33	Efficiency in Treatment		0%	100%	
	Storm Water Drainage					

	Construction of Drains at Various Municipal Corporation Roads/Locations-Phase II	15	15	Coverage of storm water drainage	25%	27%
Urban Transport						
	Construction of open Stair case at the sides of Chinnakkada Underpass cum Fly over	0.2	7.44	Available Pedestrian facilities	19	17
	Construction of Multi Level Parking System near Railway Station- Stage I	3		Parking: Availability of On-street paid public parking spaces	0	22
	Construction and Renovation of Foot Path and supporting structures - Phase II	3.64				
	Modernised Bus Shelters at Various Locations	0.6				
GREEN SPACE						
	Planting Lawns and afforestation at various locations in Kollam Corporation-Phase I	1.66	1.66	Per person open space	4.81 sq.m per person	4.84 sqm per person

Annexure-iii

Action Plan for reforms 2016-17

S.No	Type	Milestones	Implementation timeline	Present Status
1	E-Governance	Coverage with E-MAAS (from the date of hosting the software)		
		Registration of Birth, Death and Marriage,	24 months	Achieved
		Water & Sewerage Charges	24 months	Achieved
		Grievance Redressal	24 months	Achieved
		Property Tax	24 months	Achieved
		Advertisement tax	24 months	Initiated
		Issuance of Licenses	24 months	Achieved
		Building Permissions	24 months	Achieved
		Mutations	24 months	Achieved
		Payroll	24 months	Achieved
		Pension	24 months	Achieved
		e-procurement	24 months	Achieved
2	Constitution and professionalization of municipal cadre	Establishment of municipal cadre.	24 months	Achieved
		Cadre linked training.	24 months	Achieved
3	Augmenting double entry accounting	Appointment of internal auditor.	24 months	Achieved
4	Urban Planning and City Development Plans	Make a State level policy to implement the parameters given in National Mission for Sustainable Habitat.	24 months	Ongoing
5	Devolution of funds and functions	Implementation of SFC recommendations within timeline.	24 months	Ongoing

6	Review of Building bye-laws	State to formulate a policy and action plan for having a solar roof top in all buildings having an area greater than 500 square meters and all public buildings.	24 months	Ongoing
		State to formulate a policy and action plan for having Rain water harvesting structures in all commercial, public buildings and new buildings on plots of 300 sq. meters and above.	24 months	To be achieved within timeline
7	Set-up financial intermediary at state level	Establish and operationalize financial intermediary - pool finance, access external funds, float municipal bonds.	24 months	Achieved
8	Credit Rating	Complete the credit ratings of the ULBs	24 months	Ongoing
9	Energy and water audit	Give incentives for green buildings (e.g. rebate in property tax or charges connected to building permission/development charges)	24 months	To be achieved within timeline

Annexure iv

Capacity Building Plan 2016-17

Sl. No	Name of the department/ Position	Total No of functionaries identified	No trained during 2015-16	No to be trained during 2016-17	Name(s) of Training Institute for training during the current FY
1	Elected Representatives	534	178	120	KILA/IMG/ CED/IIHS
2	Finance Department	300	88	90	
3	Engineering Department	263	90	90	
4	Town planning Department	620	133	120	
5	Administration Department	321	93	90	
6	Line Departments/ Parastatal Agencies (KWA,DTCP, PWD,KSEB)	200	56	70	
	TOTAL	2238	638	580	

ULB wise - Individual Capacity Building for the FY 2016-17

Sl. No	Name of the ULB	Total numbers to be trained in the current FY department wise						
		Elected Representative	Finance Dept	Engineering Dept	Administrative Dept	Town Planning Dept	Other Line Depts	Total
1	Trivandrum	20	3	18	15	20	10	86
2	Kollam	11	7	15	10	15	7	65
3	Alappuzha	12	6	9	9	12	7	55
4	Thrissur	10	9	8	9	15	8	59
5	Ernakulam	15	15	10	10	15	10	75
6	Kozhikode	12	20	9	10	13	8	72
7	Palakkad	10	15	9	9	10	7	60

Annexures – Agenda Notes AMRUT

8	Guruvayoor	12	6	6	9	10	6	49
9	Kannur	18	9	6	9	10	7	59
	TOTAL	120	90	90	90	120	70	580

Annexure-v

List of projects with DPR -SAAP 2015-16

Srl No	ULB	PROJECT	Cost in Rs Crore
		WATER SUPPLY	
1	Thiruvananthapuram	1. Improvements of Thiruvananthapuram Water Supply Scheme - Construction of 75MLD Water Treatment Plant at Aruvikkara - Phase-I	45.00
		Sub total	45.00
2	Ernakulam	1. Augmentation of Kochi Water Supply Scheme - Improvements of water supply to Fort Kochi, Mattancherry and Palluruthy area part in Kochi Corporation - Construction of 15LL Capacity GL Tank at Karuvelipady Office compound	3.20
3		2. Replacing the existing 525mm distribution cum Pumping main with 600mm DI K9 Rider Pumping main from Karuvelipady pump house to Koovapadam OHSR along Santo Gopalan Road	3.65
		Sub total	6.85

4	Thrissur	1. Rehabilitation of Thrissur Corporation WSS to Koorkencherry Zone - Supply and Laying for Separate Branched Gravity main of 400mm DI K9 and replacement of 700mm Premo with 700mm DI K9 pipe and supply erection and commissioning of 65HP centrifugal motor pumpset for replacing of existing old pumpsets -2nos at Koorkencherry sump and allied works	3.41
5		2. UWSS to Ollur & Edakkunni Census Town Villages-Construction of New of 20LL Capacity OHSR at Ollur and Supplying & Laying Distribution Lines	11.40
6		3. Renovation of existing damaged pump houses in Thrissur Corporation	0.55
7		4. Strengthening the existing distribution system to Thrissur Corporation-Replacement of very old AC pipes & 700mm premo pipes with 110/140 PVC and 200/300/350mm DI pipes at various places in Thrissur Corporation	14.40
		Sub total	29.76
8	Palakkad	1. Providing New DI Pipe line of 600mm dia Clear water Pumping main Puthur to Moothanthara OHSR (Part-1)	5.44
9		2. Providing New DI Pipe line of 450mm dia Clear water Pumping main Mattumantha to Kalmadapam OHSR (Part-2)	4.56
		Sub total	10.00
10	Kozhikode	1. Rehabilitation of Old pipes, Valves, Interconnection with existing lines and Providing Water meters in Kozhikode Corporation	17.87
		Sub total	17.87

11	Kannur	1. Laying Gravity Main from JICA project at Mangattuparamba to Pallikkunnu OHSR for Pallikkunnu and Puzhathi villages in Kannur Taluk	23.50
12		2. Construction of of 24LL Capacity OHSR at Pallikunnu for Pallikkunnu and Puzhathi villages in Kannur Taluk	4.05
		Sub total	27.55
		GRAND TOTAL	137.03
		SEWERAGE AND SEPTAGE MANAGEMENT	
1	Thiruvananthapuram	1. Improvements of Thiruvananthapuram Sewerage Scheme - Construction of 5MLD Sewage Treatment Plant for Medical College	5.90
2		2. Improvements of Thiruvananthapuram Sewerage Scheme - Supplying and Laying 600mm dia DI Pumping main from Pump house at Edathara to STP at Muttathara	17.30
3		3. Improvements of Thiruvananthapuram Sewerage Scheme - Construction of Sewerage Pump House at Edathara	5.87
4		4. Laying 700mm dia RCC NP3 Sewer Trunk Main II from Murinjapalam - Kannammoola	1.33
		Sub total	30.40
		GRAND TOTAL	30.40
		GREEN SPACES & PARKS	
1	Thrissur	Rejuvenation of Nehru Park	0.91

