

8th STATE LEVEL HIGH POWERED STEERING COMMITTEE (SHPSC)

AGENDA NOTES



Date: 24th January 2017, Time: 12.30 PM

Venue: Committee Room of the Chief Secretary

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Agenda No. 1 APPROVAL OF MINUTES OF THE 7th MEETING OF SHPSC.

The minutes of the 7th SHPSC meeting of AMRUT held on 21st December 2016 is enclosed 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 7th MEETING OF SHPSC

Action Taken Report

Agenda No 2: Tripartite agreement to be signed among the Secretary -Mission City, MD - KWA and Mission Director-AMRUT.

KWA informed that the draft agreement has been forwarded to the legal cell of KWA (JnNURM) for comments. The Chairman directed KWA to finalise the draft and submit to his office by 31st Dec 2016 for approval before operationalising.

Action Taken : *The draft Agreement is with the Finance Dept, KWA for forwarding to the CS's office.*

Agenda No 3: Strategies to support mission cities for smooth implementation of projects.

The committee deliberated on various options of implementation without a PDMC and decided to un-bundle the functions of the Project Development and Management Consultants into three major tasks as follows.

- A. PROJECT DEVELOPMENT
- B. QUALITY ASSURANCE
- C. PROJECT MONITORING

Action Taken :

- i. **Finalization of agencies for DPR preparation is in progress**

Letters have been sent to KMRL (Urban Transport and Parks) and Irrigation Department (Storm water drainage) seeking assistance in DPR preparation.

Decision to be taken

The SHPSC may take note of the action taken report of 7th SHPSC meeting.

Agenda 3. APPROVAL OF STATE ANNUAL ACTION PLAN 2017-18

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	SAAP	CA	SAAP	CA	SAAP
Amount in Rs Cr	287.98	587.48	386.40	796.1	486.82	973.64	1161.20	2357.7

Table 2. City-wise fund allocation under AMRUT for the Mission period.

#	ULB	2015-16	2016-17	2017-18	TOTAL Amnt Rs Cr
1	Thiruvananthapuram	103.7	112.3	141.5	357.5
2	Kollam	65.7	83.1	104.7	253.5
3	Alappuzha	50.0	76.4	96.3	222.7
4	Kochi	75.9	123.6	129.3	328.8
5	Thrissur	71.0	88.0	110.9	269.9
6	Guruvayoor	41.8	72.1	89.3	203.1
7	Palakkad	50.5	76.4	94.8	221.8
8	Kozhikode	71.1	90.1	113.5	274.8
9	Kannur	58.3	74.1	93.4	225.7
10	TOTAL	588.0	796.1	973.6	2357.7

State Annual Action Plan (SAAP) for an amount of Rs 973.64 Cr is submitted for approval. Components of SAAP will be presented as part of the PowerPoint presentation during the meeting. List of proposed projects submitted by the mission cities given as **Annexure –ii**

Decision to be taken

The SHPSC may discuss and approve SAAP 2017-18, Also recommend the same for the consideration of Apex Committee, MoUD.

Agenda.4. INDEPENDENT MONITORING OF PROJECTS UNDER JNNURM

MoUD has sanctioned an amount of Rs 201.17 Cr to prepare projects for Water Supply under JnNURM in Corporation of Kochi. The state has given the final installment of ACA, Rs 25 Cr as advance to Corporation of Kochi to complete the projects within stipulated time, details enclosed as **Annexure-iii**. However the final installment from the Centre will be released only after submitting the report of IRMA. MoUD is planning to withdraw the support to ULBs under JnNURM by 15th of February 2017. In this circumstances, MoUD has suggested the State to appoint a Government/ Aided Engineering College as IRMA and submit the report to the MoUD.

Decision to be taken

The SHPSC may appoint a government/ aided engineering college as IRMA for the water supply project in Kochi.

ANNEXURES

- i. Minutes of the 7th SHPSC meeting
- ii. List of proposed projects submitted by the mission cities
- iii. Details of Project – JnNURM Kochi

Minutes of the 7th State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 21st December 2016 at 4.00 PM in the Committee Room of the Chief Secretary, Government of Kerala.

Members Present:

1. Dr K M Abraham IAS, Additional Chief Secretary, Finance
2. Smt Tinku Biswal IAS, Secretary, Water Resources
3. Shri. P S Mohammed Sagir IAS, Mission Director, AMRUT & Project Director, KSUDP
4. Smt A Shainamol IAS, MD, Kerala Water Authority
5. Dr. K Vasuki IAS, Executive Director, Suchitwa Mission
6. Shri. P R Sajikumar, Chief Engineer, Local Self Government Department.
7. Shri. Shaji Joseph, Chief Town Planner (Planning)
8. Shri. T K Ajithakumari, Additional Secretary, Planning & EA Department
9. Shri. Binu Francis, Director, Urban Housing Mission, Kudumbashree

The meeting of the 7th State Level High Powered Steering Committee (SHPSC) of AMRUT chaired by Sri. S.M. Vijayanand IAS, Chief Secretary, Government of Kerala, commenced at 4.00 PM. The Mission Director of AMRUT presented the Agenda and after detailed deliberations following decisions were made

Agenda No 1.

Approval of minutes of the 6th meeting of SHPSC.

The Committee approved the minutes of 6th meeting of SHPSC held on 26 August 2016.

Agenda Item No 2.

Action taken report on the decisions of the 6th meeting of SHPSC:

The Committee noted the Action Taken Report on the decisions of the 6th SHPSC.

Decision 6:Tripartite agreement to be signed among the Secretary -Mission City, MD - KWA and Mission Director-AMRUT.

KWA informed that the draft agreement has been forwarded to the legal cell of KWA (JnNURM) for comments. The Chairman directed KWA finalise the draft and submit to his office by 31st Dec 2016 for approval before operationalising.

Action by	Time Limit	Monitoring By
MD, KWA	31 st December 2016	Mission Director, AMRUT

Agenda Item No 3.

Strategies to support mission cities for smooth implementation of projects.

The Mission Director, AMRUT informed the Committee that the project progress of AMRUT is only 1.27% and hence the strategy to support mission cities has to be finalised on an urgent basis. The Mission Director informed that these options were discussed in detail in the 4th SLTC held on 14 Dec 2016 & are being put up for SHPSC's consideration.

Referring to the letter from the Principal Secretary, LSGD (No. DC2/387/2016/LSGD dated 21.11.2016) and the alternate options set forth by SLTC without the PDMC, the committee made the following observations;

It was decided to un-bundle the functions of the Project Development and Management Consultants into three major tasks;

- A. PROJECT DEVELOPMENT
- B. QUALITY ASSURANCE
- C. PROJECT MONITORING

A. PROJECT DEVELOPMENT STRATEGIES

i. Water Supply Sector

KWA shall develop and implement all the projects for the AMRUT ULBs.

ii. Sewerage/ Septage Sector

Chairman reiterated that the projects envisaged in this sector, shall be decentralised Sewerage & Septage Management. The same shall be implemented in EPC mode.

iii. Urban Transport/Parks

To seek the support of Kochi Metro Rail Ltd (KMRL) Mission for being the handholding agency for development and implementation of the projects under Non-Motorised Transport (NMT) and Open spaces/ parks. The KMRL could support the ULBs in the designing the project at cost. The Chairman directed the Mission Director, AMRUT to formally enquire with KMRL their willingness to associate with mission cities for DPR preparation.

Action by	Time Limit	Monitoring By
SMMU	31 st December 2016	Mission Director, AMRUT

iv. Storm Water Drainage

The Committee decided that the ULBs should use the DPRs/ Drainage Master Plans where ever available, which may have been prepared from previous projects for the ULBs (under KSUDP/JnNURM). The Chairman reiterated that, as decided in the earlier SHPSC, the projects under SWD shall be in such a way, where there is complete drainage of any specific area. The Chairman also added that Piece- meal drainage projects will not be sanctioned under AMRUT.

Chairman enquired with the Secretary, Water Resources Dept, the possibility of utilising the services of Water Resource Department in developing DPRs for the AMRUT cities, where ever necessary. Secretary, Water Resources Dept, informed that such an arrangement could be made. The committee decided to take up this issue when such a need arises.

B. TECHNICAL CHECKS FOR QUALITY

For the inspection of technical quality of projects, it is decided to empanel the reputed engineering colleges, Institution of Engineers, Kerala etc. The preference to be given to the Government and aided Engineering Colleges in the ULB area.

A Terms of Reference (ToR) shall be drafted defining the monitoring parameters, their scope of work, aspects, periodicity, stages of monitoring & their reporting requirements. The ToR shall include their certifying requirements on quality, timeliness of works done and achievement of promised deliverables/ outcomes of the projects. The cost for engaging the Quality Control Experts shall be met from the A&OE of AMRUT.

Action by	Time Limit	Monitoring By
SMMU	10 th January 2017	Mission Director, AMRUT

D. PROJECT MONITORING

The Committee directed the LSG Department to consider on the possibility of hiring a Govt. accredited Project Management Consultant (PMC) for monitoring the projects, which will include periodic monitoring, bill verification/vetting. It was informed by Additional Chief Secretary, Finance that such Project Management Consultants are being currently engaged for various such projects for the Govt. The LSG department could analyse the requirements and engage these accredited agencies at the prevailing rates.

Agenda No. 4.

Administrative sanction of DPRs

The Committee accorded Administrative Sanction for the 19 projects (Project List Annexed) and directed the Technical Committee to review the DPRs for Technical Sanction. KWA was directed to upload the project details in its public domain. The committee insisted that, KWA should ensure GIS mapping for their Projects under AMRUT showing their details and progress online.

The 4 sewerage projects in Trivandrum to be implemented by the Sewerage division of KWA, as the project was by the KWA in the first phase of AMRUT and the KWA is already involved with the project.

Agenda No. 5

Constitution of technical expert committee for issuing technical sanction

The Committee granted permission in principle & directed the Principal Secretary, LSGD to decide the members who could be included in the Technical Expert Committee. In order to avoid delays in according TS & other activities requiring consent of the Technical Expert Committee, LSGD will set a time frame for completing different duties of the TS Committee. The Committee also directed that this committee should sanction the verified bills submitted by the PMC.

Action by	Time Limit	Monitoring By
Mission Director, AMRUT	24 th January 2017 (SLTC)	Principle Secretary, LSGD

Agenda No. 6

Change of project in Kannur

The Committee approved the revised project proposal of utilizing the amount in Water Supply Sector.

The Meeting concluded at 5.00 PM

[Signature]
30/12/2016

[Signature]
Chairman -SHPSC &
Chief Secretary

ANNEXURE

ULB WISE LIST OF PROJECTS

SNo	ULB	Sector & Name of Project	Cost (Rs Cr)
WATER SUPPLY			
1	Alappuzha	Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality(Phase 1)	33.90
2	Kochi	Replacement of existing 525mm distribution cum pumping main with 600mm rider pumping main from Karuvelpady to Koovappadam in Kochi Corporation	3.65
3		Construction of 15L capacity GL tank at Karuvelpady in Kochi Corporation	3.20
4	Thrissur	Strengthening the existing distribution system to Thrissur corporation area – Replacement of very old 80/100/125/300 AC & 700mm premo pipes with 110/140PVC and 200/300/350mm D1 pipes at various places in Thrissur Corporation.	14.40
5		Renovation of existing damaged pump house in Thrissur Corporation	0.55
6		Rehabilitation of Thrissur Corporation water scheme to Koorkenchery zone –Supply and Laying for separate Branched gravity main of 400mm D1K9 and replacement of 700mm premo with 700mm D1K9 pipe and supply erection and commissioning of 65IHP centrifugal motor pump set for replacing of existing old pumpsets-2 nos at Koorkenchery sump allied works	3.41
7		Completion of ongoing Schemes –UWSS To Ollur&Edakkunni Census Town Villages in Thrissur Corporation –Construction of 20LL.Capacity OHSR at Ollur& Supplying, Laying Distribution lines and construction of retaining wall at WTP, Arattupuzha.	11.40
8	Palakkad	Providing New D1pipe line of 600mm dia Clear water pumping main puthur to Moothanthara OHSR (part-1) in Palakkad Municipality	5.44
9		Providing New D1pipe line of 600mm dia Clear water pumping main Mattumantha to kalmandapam OHSR (part-2) in Palakkad Municipality	4.56

10	Kozhikode	Rehabilitation of old Valves interconnection with existing lines and providing water meters in Kozhikode Corporation	17.87
11	Kannur	Laying Gravity Main From JICA project at Mangattuparamba to pallikkunnu OHSR for pallikunnu and villages in Kannur Taluk of Kannur Corporation	23.50
12		Construction of 24 LL capacity OHSR at Pallikunnu for Pallikunnu and Puzhathi villages at in Kannur Corporation	4.05
13	Thiruvananthapuram	Improvements of Water Supply Scheme- Construction of 75MLD Water Treatment plant at Aruvikkara	70.00
#	Sub Total		195.93 Cr
B	SEWERAGE/SEPTAGE		
1	Thiruvananthapuram	Decentralized 5mld Sewerage plant (STP) at medical college, including water recycling plant & reuse.	19.16
2		Supplying and Laying 600mm dia D1Pumping main from Pump at Edathra to STP at Muttathara in Thiruvananthapuram Corporation	17.29
3		Construction of Sewerage pump house at Edathra in Thiruvananthapuram Corporation	5.87
4		Laying 700mm dia RCC NP3 Sewer Trunk Main 11 from Murinjapalam –Kannamoola	1.33
#			Sub Total 43.65
C	GREEN SPACE & PARKS		
1	Thrissur	Rejuvenation of Nehru Park in Thrissur Corporation	0.91
2	Kozhikode	Renovation of Mananchira Park in Kozhikkode Corporation	0.85
			Sub Total 1.76
#	TOTAL		241.34Cr

Priority Projects SAAP 2017-18

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

1	Providing new network in the water logged areas - The zones are Central zone - 20 wards, Coastal zone - 16 wards, North-East zone (23	24
2	Cleaning and removal of silt and debris from the existing drain	1	
	<u>URBAN TRANSPORT</u>		
1	Foot over bridges	14	14
	a. Statue Junction		
	b. Technopark		
	c. Vazhuthacaud		
	d. Palayam - VJT hall		
2	Multi level parking		
	a. Chalai (behind of Putharikandam Maithanam and transport depot)		
	b. Palayam (behind of Corporation Main Office building)		
3	Bicycle streets		
	a. Chalai road (Killipalam to Gandhi park)- Vehicle free zone		
	b. RTO office to Ramachandra (Vehicle free zone)		
	c. North of Padmatheerdhakulam (Vehicle free zone)		
	d. Attinkuzhi to kazhakkottam		
	e. Technopark - Kariavattom campus- Ambalathinkara		
	<u>GREEN SPACE & PARKS</u>		
	Development of existing 6 Parks in the Corporation area	3	3
	TOTAL	3	<u>141.47</u>
	<u>KOLLAM</u>		
	<u>WATER SUPPLY</u>		
1	Comprehensive WSS to Kollam Municipal Corporation Phase II Continuation	35	42.9

2	Providing new Water connections with metering system- Phase II	7.9	
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SEWERAGE

1	Sewer network- Replacement of damaged network and laying of balance network, Construction of Pumping Station at Sarpakuzhi sub Zone of	7	
2	Planning, Design and Construction of Uliyakovil sub Zone in Zone A1 Part 2 (construction of sewerage network, pumping mains & stations)	24.39	31.39

STORM WATER DRAINAGE

1	Construction of Drains at Various Municipal Corporation Roads/Locations-Phase III	15	15
1.	Vadakkevila-Eravipuram Area		
2.	Pullikkada Colony		
3.	SMP Colony		
4.	Mundakkal Area		
5.	Kavanad Area (Right side of NH 47 -Kollam to Ernakulam)		
6.	Koikkal-Ayathil Area		

URBAN TRANSPORT

1	Construction of Multi Level Parking System near Railway Station - Stage II	7	13.29
2	Construction and Renovation of Foot Path and supporting structures - Phase III	6.29	
1.	Chinnakkada-Paikkada Road		
2.	Chinnakkada-Beach Road		
3.	Link Road		
4.	Chinnakkada-Kadappakkada		
5.	SBI Jn. To Railway cross Road(In front of YMCA)		

GREEN SPACE & PARKS

1	Planting Lawns and afforestation at various locations in Kollam Corporation-Phase II	0.34	2.09
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	1. Afforestation on the sides of NH 47 from Mevarom to SNC Jn		
2	Development of Existing Parks and Construction of New Parks - Phase II	1.75	
	1.Thirumullavaram-Ozhukkuthodu-Park		
	2.Vattakkayal-Park		
	3.Veliyilkulangara-Thanni Park		
	4.Kallumthazham Park		
	5.Amruthakulam Park		
	6.Thoppilkadavu Park		
	7.Kilikolloor-Elavanthi Park		
	8.Chalil Park		
	9.Kureepuzha Park		
		<u>TOTAL</u>	<u>104.67</u>

ALAPPUZHA

	<u>WATER SUPPLY</u>		
1	Augmentation and modernization of water supply distribution system in Alappuzha Municipality (Phase-2)	58.13	58.13
<u>SEWERAGE</u>			
1	Decentralized treatment system for septage/sewage management.(Phase-2)	6	6
<u>STORM WATER DRAINAGE</u>			
1	Rejuvenation of main natural canals and connecting canal networks	25.97	25.97
<u>URBAN TRANSPORT</u>			
1	Construction & renovation of pedestrian friendly foot paths(as 2 nd phase) and providing modern bus shelters.	4.25	4.25
<u>GREEN SPACE & PARKS</u>			

1	Development of park on the bank of AS canal and jogging track along the canal banks	1.44	1.94
2	Development of park in Beach side.	0.5	
		<u>TOTAL</u>	<u>96.29</u>

KOCHI

WATER SUPPLY

1	Construction Of New Over Head Reservoir Of Capacity 13L For Edakochi Zone And Interconnecting With Pumping Main And	10	53
2	Construction Of New Over Head Reservoir Of Capacity 35 L For Karuvelippady Zone	8	
3	Construction Of New Over Head Reservoir Of Capacity 40 L For Kaloor Zone And Inter Connecting With Pumping Main And	25	
4	Laying 400Mm Size Transmission Main From Perumanoor To Ravipuram	5	
5	Replacement Of Damaged Service Connections -5000 Nos	5	

SEWERAGE

1	Decentralized sewerage system for Divisions 1 to 5	40	40
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STORM WATER DRAINAGE

1	Renovation Of Pandara Chal Canal-Second Phase	6.00	21.98
2	Renovation Of Rameswaram Canal	3.00	
3	Renovation Of Pashnithodu Canal-Second Reach	1.50	
4	Renovation Of Kalluchira Valiya Canal Div-19	0.50	
5	Renovation Of Kannachan Thodu And Drain Along Mathai Manjooran Road Div-68	1.50	
6	New Drain Along Kochakko Road Athiparambu Road And Masjid Road -Div- 45	0.50	
7	Renovation Of Binni Thodu Div-13	0.30	
8	Construction Of Drain Along Kaloor -Kathrikadavu Road (Old)	0.50	

9	Kumbalangi Kayal Side Protection	0.75	
10	Drain Near Thrithwam	1.00	
11	Construction Of Drain Along St. Vincent Road	1.00	
12	Desilting Managalavanam Thodu	1.25	
13	Renovation Of Karanakodam Thodu	2.00	
14	Side Protection Chembakkara Canal	2.18	

URBAN TRANSPORT

1	Multilevel Carparking At Kacheripady	5.00	13.93
2	Construction Of Footpath And Bus Bays Including Junction Development At Thoppumpady	2.00	
3	Construction Of Footpath And Bus Bays Including Junction Development At Elamkulam Junction	1.00	
4	Construction Of Footpath And Bus Bays Including Junction Development At Thevara Junction	1.50	
5	Construction Of Footpath And Bus Bays Including Junction Development At Kaloor & Kathrikadavu Junction	3.00	
6	Construction Of Footpath And Bus Bays Including Junction Development At Pallathuraman Junction	1.43	

GREEN SPACE & PARKS

1	Koithara Park Renovation	0.60	2.60
2	Mythri Nagar Park Renovation	0.50	
3	Kacheripady Park Renovation. Div-19	1.00	
4	P.J. Antony Park Renovation	0.50	
	TOTAL		129.30

THRISSUR

<u>WATER SUPPLY</u>			
1	New Treatment Plant of 20 MLD at Peechi	5.3	64.3
2	Supply and laying of various Dia distribution lines for around 100 Km with pipe dia 160 mm PVC to 300 mm DI and Zoning and mapping of	17	
3	Laying of distribution lines from existing OHT at Kizhakumpattukara to Nellikunnu area for around 15 km with varying dia pipelines-(Dia 200	6	

4	Installation of generator at Peechi and dedicated power feeder line from Pattikkad to Peechi	3
5	Construction of 10LL OHSR at Anappara and 5LL sump at Cherur with pumping system and pumping main from Cherur to Anappara for 2 Km	10
6	Anappara Villadom area distribution line for around 25KM with 200 mm DI to 110 mm PVC pipe	5
7	Construction of 5LL OHSR at Kuttanelloor with pumping system at Kurkanchery and pumping main for 4KM with 200 mm DI and 5KM	8
8	Floating intake structure at Peechi Reservoir	5
9	Water mangement system for Thrissur Corporation water section	5

SEWERAGE

1	Construction of waste water treatment plant Phase- II	23.6	23.6
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STORM WATER DRAINAGE

1	Cover slabs for minor drains in corporation area	15.78	15.78
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URBAN TRANSPORT

1	Renovation of foot paths in corporation area	3	
2	Foot over bridge in Shaktan Nagar (2nos), North Bus Stand, M.O Road, Koorkencherry	2	5

Green Space and parks

1	Rejuvenation of Nehru Park, Division No.36,Thekkinkadu	1	
2	Rejuvenation of Kottappuram Padanodyanakendram (Achutha Menon park),Division No.52,Kanattukara	0.5	
3	Development of living harmony & green belt at Panamkuttichira pakalveedu park and pond	0.72	2.22
		TOTAL	110.90

GURUVAYUR

	<u>WATER SUPPLY</u>	
1	Construction of 10LL OHSR and Pumping Main to Guruvayur including distribution network(continuation project), Location: OHSR	19.68
2	Improvement of water supply system for Guruvayur.(continuation project), Location: Source at Karuvannur river, Transmission line from	51.18
3	Rejuvenation of 21 Ponds at Various Locations in Guruvayur municipality	10

SEWERAGE & SEPTAGE

	Nil		
<u>STORM WATER DRAINAGE</u>			
1	Construction of new drains in the water logged areas of Guruvayur municipality. (<i>wards 18,19, 32 & 35</i>)	0.64	0.64
<u>URBAN TRANSPORT</u>			
1	Construction of a Five Storied Multi level parking plaza (340 cars, 40 buses and 240 two wheelers) Location: Andra parking ground in	6.0	6.0
<u>GREEN SPACES & PARKS</u>			
1	Development of play ground at chavakad high school ground with Sitting gallery in ward no.14 of Guruvayur municipality, Location:	1.78	1.78
		<u>TOTAL</u>	<u>89.28</u>
<u>PALAKKAD</u>			
<u>WATER SUPPLY</u>			
1	Replacement of raw water and clear water pump set, transformers and electrification	4	
2	Constuction of OHSR 2 Nos , total 76.5LL capacity	14	
3	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) –15 Km	15	
4	Providing 160mm PVC - 30 Km for taking Water Service Connection (Both sides of road) and changing of connections	5.88	
5	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) – 13 Km	13	
	Providing 160mm PVC - 38 Km for taking Water Service Connection (Both sides of road)	5.4	
	Replacement of Existing AC pipe lines to DI/PVC pipe lines 150/200/250mm DI-K9 – 6 km	3.3	
	Providing water connections to all to eliminate public taps & to reduce NRW: 9000 Nos	6.75	67.33
<u>SEWERAGE & SEPTAGE</u>			
	Nil		
<u>STORM WATER DRAINAGE</u>			

	Rejuvenation of Primary & Secondary Drains		
1	Mattumantha Palayam - Chulliyodu	1.00	17.62
2	Manalai- Ramanadhapuram- Aanachira	1.00	
3	Sekharipuram- Sankhuvaramedu	0.75	
4	Murukani School Thodu	0.20	
5	Stadium bypass- Sreekrishna Temple- Vaaliparambu	0.50	
6	Palayapetta- Stadium Bypass	0.30	
7	Yakkara- Murikkav- AKG Nagar	0.30	
8	Chirakkad- Gopal colony	0.20	
9	Kalmandapam- Chittoor Road	1.50	
10	Chirakkad- Aiswarya Nagar	0.50	
11	Puthupalli theruv- Slaughter House- Mythri Nagar	0.50	
12	Victoria College- Vidyut Nagar- Indrani Nagar Thodu	0.50	
13	Sulthampetta- Kalmandapam- NH Road Drain Desilting and rejuvenation	0.50	
14	Mythri Nagar- Haritha Nagar- KSRTC Link Road	0.25	
15	Around District Hospital	0.35	
16	Green Garden- Othungodu- Kallikkad	0.45	
17	Mercy College- Thirunellayi	1.50	
18	Vennakkara- Thirunellayi	1.25	
19	Puthur Temple- Kallepully Junction	1.00	
20	Municipal Busstand to Vettikulam	0.30	
21	Housing Board Colony- Mathrubhumi	0.50	
22	Tharekkad junction - Koppam	0.40	
23	Chakkanthara- Kaikuthparambu- Venkiteshwaragarden- Sreenivasa Garden	1.00	

24	Head Post office to Ramanadhapuram via Koppam	1.25	
25	Selvi Nagar - Ram Nagar	0.30	
26	Melamuri- Kalambuzha- Karukoodi	0.75	
27	Vadakkanthara- Valiyakulam- Pranamkulam- Indrani Nagar	0.57	

URBAN TRANSPORT

1	GB Road Escalator	2	<u>7.98</u>
2	Pattikkara byepass Parking	0.5	
3	Parking infront of Chinmay Mission	0.5	
4	Mission School - Sakunthala Junction foot path	1	
5	Olavakkode Junction to Railway Station footpath	1	
6	Robinson Road Footpath	1	
7	Menon Colony Road Footpath	0.48	
8	Bus waiting Sheads	1	
9	Signages in the city area	0.5	

GREEN SPACES & PARKS

	Development of parks		
1	Yakkara Riverside open Park & pedel boating	0.41	
2	Salamath nagar	0.35	
3	Jaladha Nagar	0.25	
4	Rose Garden	0.25	
5	Vandana Layout	0.2	
6	Gandhi Nagar- Chakkanthara	0.2	
7	Venkiteshwara Garden	0.25	1.91
		TOTAL	94.83

KOZHIKODE

WATER SUPPLY

1	Integrated Calicut WSP phase 2 -Laying distribution Lines in 10 zones	46.55	46.55
	1. Malaparamba zone - part 1		
	2. Malaparamba zone - part 2		
	3. Eravathukunnu north and south zone		
	4. East hill zone		
	5. Balamandiram and Pottammal zone		
	6. Kovoor zone part 1		
	7. Kovoor zone part 2		
	8. Elathur zone		
	9. Cheruvannur Nallalam zone		
	10. Beypur zone		

SEWERAGE & SEPTAGE

1	Construction of sewerage system in zone A- part B-phase 2	34.06	34.06
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STORM WATER DRAINAGE

1	Construction of storm water drain at 5 locations	19.3	19.3
	1. Palayam Samuthiri cross road to E K Canal		
	2. North of Azhakodi Temple - EK canal		
	3. People Road- Karaparamba HSS-E K canal		
	4. YMRC Road - Millathu colony		
	5. Nadanchery Ayyankar Road - Kallayi River		

URBAN TRANSPORT

1	Foot over bridge with escalators near new busstand	11.35	11.35
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GREEN SPACES & PARKS

1 Renovation of 6 existing parks		2.27	2.27
1. S K Pottakkadu Park, Puthiyara			
2. Thadambattuthazham park			
3. Garudankulam park			
4. Malaparamba park			
5. Gotheeswaram park, Beypur			
6. Cheruvannur children's Park			
		TOTAL	113.53

KANNUR

WATER SUPPLY

1	Increasing the capacity of Raw water Pump sets at Intake and Booster station including electrical installations	1.50	
2	Rehabilitation of existing old distribution network, varves, house service connection and inter-connections with existing lines and providing flow meters etc. including information about	20	
3	Laying new distribution line 385km and providing new service connection	16.77	38.27

SEWERAGE & SEPTAGE

1	Providing decentralised sewerage network with STP in old kannur municipal area.	28.00	28.00
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STORM WATER DRAINAGE

1	Construction and rejuvenation of primary drains & secondary drains	15.87	15.87
1.	Thottadathodu and connecting drains		
2.	Varam, varam vayal, Katampallipuzha and connecting drain		
3.	sea shore structures as per the requirement at Payyambalam, Aayikkara, Mukkadav, Kadallai areas for eliminating sand deposits		

URBAN TRANSPORT

1	Multi Level Car parking complex at Stadium premises	9.34	9.34
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GREEN SPACES & PARKS

1	Development of new park at Payyambalam near cremation centre.	0.3	1.87
2	Development of new park at Chelora near trenching ground	0.87	
3	Renovation of Kappad Shisumandiram park	0.4	
4	Development of new park at Anakulam	0.3	
		<u>TOTAL</u>	<u>93.37</u>

Note

Kochi Water Supply Scheme under JnNURM Scheme

Project cost	- Rs. 201.17 Crore
Central Assistance 50%	-Rs. 100.585 Crore
State share 30%	-Rs. 60.351 Crore
ULB share 20%	-Rs. 40.234 Crore

Revised Project Cost as per GO No. 3719/2015/LSGD dated 11.12.2015

Project cost	- Rs. 252.801 Crore
Central Assistance 50%	--Rs. 100.585 Crore
(No change in the Original Project cost)	
State share 40%	-Rs. 101.12 Crore
ULB share 10%	-Rs. 25.28 Crore
KWA Share	-Rs. 25.816 Crore

Central share of Rs. 25 Crore and with held amount of Rs. 10.2044 Crores by Central has been sanctioned in advance as per proceedings No: A1-5179/2011/KSUDP dated 30.3.2016, on the basis of the order of Government No. 1308/2016/LSGD dated 22/3/2016 for completion of the project.

Total Amount available to the Project in Crores

Revised Project Cost	Central share	State share	ULB share available	KWA share available	Total amount available
252.801	100.585	101.12	4.1336	5	210.8386