

**Minutes of the 13<sup>th</sup> State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 14<sup>th</sup> December 2017 in the Committee Room of the Chief Secretary, Government of Kerala.**

The meeting of the 13<sup>th</sup> State Level High Powered Steering Committee (SHPSC) of AMRUT chaired by Dr. K.M. Abraham IAS, Chief Secretary, Government of Kerala, commenced at 05.00 pm. (List of Participants enclosed as Annexure I)

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

**Agenda Item No. 1. Approval of Minutes of the 12<sup>th</sup> Meeting of SHPSC**

**Decision :** The Committee approved the minutes of 12<sup>th</sup> meeting of SHPSC held on 31<sup>st</sup> October 2017.

**Agenda Item No. 2. Action taken report on the decisions of the 12<sup>th</sup> meeting of SHPSC held on 31<sup>st</sup> October 2017**

The Committee noted the Action Taken Report on the decisions of the 12<sup>th</sup> SHPSC held on 31<sup>st</sup> October 2017. The Committee has also given its agenda and additional decisions on the Action taken report items.

**AGENDA & DECISION 2.3: Energy Audit for Water Systems**

As part of AMRUT reforms, the Ministry of Urban Development has directed to take the support of Energy Efficiency Systems Limited (EESL) to conduct energy audit of water pumping systems and replace inefficient pumps in all AMRUT cities. SHPSC observed the need for the energy audit and pointed that the assets of water supply systems is owned by KWA hence the energy audit of the nine AMRUT cities has to be steered by KWA in the nine AMRUT cities. The contract agreement among KWA, Mission Directorate and EESL has to be finalized and signed up at the earliest.

The Chairman directed Secretary, Water Resources to expedite the signing of agreement between Kerala Water Authority, EESL and Mission Directorate for conducting energy audit.

**Action taken:** The Mission Director vide Ltr No.14/17/SMMU/PM dated 23.10.2017 requested to the Managing Director of Kerala Water Authority to expedite the issue.

A meeting was arranged by the Principal Secretary, LSGD on 4<sup>th</sup> November 2017 attended by Mission Director, AMRUT, Kerala Water Authority and EESL, in which MD, KWA has agreed that the draft of the



tripartite agreement will be issued within 4 days to Principal Secretary, with copies to all parties of the agreement. As there is no response received from KWA, a reminder letter was issued to KWA on 24.11.2017 and the reply is still pending.

**Decision:** The Chairman expressed his displeasure to the Secretary, Water Resources, in the delay in signing the agreement with EESL and KWA and asked to provide the deadline to which Secretary replied that it will be finalised tomorrow itself.

**AGENDA & DECISION 10: APPOINTMENT OF DEPUTY DIRECTOR (PROJECTS)**

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

The 10<sup>th</sup> SHPSC has directed Chief Engineer, LSGD to depute an officer from LSGD Engineering Wing not below the rank of Assistant Executive Engineer with M.Tech/MBA as Deputy Director (Project), SMMU, AMRUT. The Chief Engineer, LSGD nominated an Assistant Engineer in the LSGD, who is willing to take up the position.

**Action taken:** The Mission Director convened a meeting with the nominated officer Smt. Aswathi Vasudevan, Asst. Engineer, LSGD on 24.10.2017 and she expressed her willingness to take up the position. As such, a letter (reference SMMU/A/1/2015 dated 25.10.2017) has been submitted to the Principal Secretary requesting necessary orders to appoint Smt. Aswathi Vasudevan as Deputy Director (Projects) on working arrangement in AMRUT Scheme.

The Mission Director is now, awaiting final orders, from the Principal Secretary, LSGD.



**Decision:** The Committee directed the matter to be discussed with the Principal Secretary and obtain a final decision in this regard.

**AGENDA & DECISION 3 A: Web Based Project Monitoring**

The 11<sup>th</sup> SHPSC meeting has decided that a web based project monitoring system shall be developed with the help of National Informatics Centre or similar agency, enabling the tracking of well-defined milestones for each project under AMRUT. The committee insisted that web based project monitoring system need to be operational from 15.11.2017.

**Action taken:** Smt. Bhagavathy Iyer, IT cum M&E Expert has consulted Sri. Ajith Brahmanandan, Senior Technical Director and the team of National Informatics Centre and detailed the requirements. Further to this, the Mission Director and the Director of Urban Affairs also have interacted with the State Informatics Officer of NIC to customize the project monitoring tool (POINT) being developed by NIC to suit the requirements of AMRUT.

Several consultation meetings have been conducted with NIC officials and required data to develop the trial software / monitoring system has been provided to NIC and the software development in progress. NIC has requested for support personnel for the customization and maintenance of the AMRUT portal.

In addition to this, the Mission Directorate is regularly updating progress in the online monitoring portal of MoHUA which is helpful in assessing the State's present position.

**Decision:** As per the Mission Directorate statement that the Project Monitoring will be integrated with the 'UNNATHI' website, the Chairman notified that a presentation on the same shall be arranged in the next SHPSC meeting.





**AGENDA & DECISION 4: OPERATIONAL GUIDELINES FOR AMRUT PROJECTS**

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

The Committee appraised the Operational Guidelines and advised to incorporate the timelines of GIS mapping in AMRUT Cities and the Energy Audit of Water Pumps with responsibilities assigned to Chief Town Planner (Planning) to deliver the GIS Mapping Progress and KWA to complete the energy audit of Water Pumps. The operational guidelines shall also specify the final decision taken for according Administrative and technical Sanction for all the projects sector wise and the payment modalities for the projects to be clearly defined.

**Action taken:** The Mission Directorate has finalized the operational guidelines incorporating the comments raised by the Committee and an amended version is attached under

**Decision:** The Committee approved the Operational Guideline subject to a ~~final~~ review by the Principal Secretary, LSGD for comments if any.

**AGENDA No. 3: TRIPARTITE AGREEMENT WITH KMRL FOR URBAN TRANSPORT & PARKS PROJECTS IN KOCHI AND KOZHIKODE CORPORATIONS.**

In the 7th SHPSC held on 14.07.2017, it was decided to formalize the tripartite agreements between the Secretaries of Corporations of Kochi & Kozhikode – Kochi Metro Rail Limited (KMRL) – The Mission Director, AMRUT towards the implementation of Urban Transport & Park Projects in Kochi and Kozhikode Corporations.

Accordingly, the draft tripartite agreement is prepared and submitted by KMRL to Mission Directorate with the following conditions:

1. 50% advance payment of contractor's project cost.
2. 70% interim payments of centage charges.
3. 5-8 % of centage charges for end to end support.

As there is a dispute in the issue, 13<sup>th</sup> SLTC has decided that the matter may be placed before this SHPSC for review and approval.



**Decision:** The SHPSC observed that the conditions put forth by KMRL are conflicting with the existing standard guidelines and Government Orders issued for the consultancy services of execution of public works with other Government accredited agencies. Therefore the proposed conditions by KMRL are against the Finance Department's guidelines and hence are not acceptable. As such, KMRL shall be exempted from end to end support for the Urban Transport and Parks projects in Kochi and Kozhikode. The cities may select the consultant through open bidding at the earliest.

However, the Principal Secretary informed that he will discuss the issue with KMRL Managing Director Sri. Mohammed Hanish and if KMRL agrees with the GO stipulations (GO(P) No. 61/2017/Fin dated 9.5.2017), the projects can be taken up through KMRL.

**AGENDA No. 4: ADDITIONAL STAFF PROPOSAL BY KERALA WATER AUTHORITY FOR AMRUT PROJECT IMPLEMENTATION**

The Managing Director, KWA has submitted their proposal vide reference No. KWA/JB/P-III/27/2017 Part I dated 28.11.2017 to the Mission Director, for additional staff required in 111 water supply projects (1221.78 Cr) in 9 ULBs undertaken by KWA and is 79 Nos. @ 2 years, amounting to Rs. 5.26 Cr.

The SLTC has recommended the following modified proposal, for additional staffs to KWA:

(Rs. in Cr)

Department	AMRUT Project Amount	Additional Staff requirement (Nos)	Additional Staff Cost	% fee against project cost
KWA	1221.78	67 for 2 years (23 Project Engineers @ Rs.32,500 monthly & 44 Supervisors @ Rs.25,000 monthly	4.434	0.363



**Decision:** The Chairman approved the proposal recommended by the 13<sup>th</sup> SLTC, with acceptance from MD, KWA and Secretary, Water Resources Department. The Committee also directed the Mission Directorate to release advance payment as per the requirement of KWA for the mobilization of the additional staffs.

The appointment of the additional staff shall also be in conformance with the GO No. 56/2017/Fin dated 28.4.2017 in terms of positions, remuneration, terms and conditions etc.

**AGENDA No. 5: DECISIONS TAKEN BY THE HON'BLE MINISTER OF LSGD IN AMRUT ACTION PLAN MEETING HELD ON 27.11.2017, 2:30 PM AT HIS CHAMBER.**

The Hon'ble Minister has convened a meeting on 27.11.2017 at 2.30 pm in his chamber to evaluate the present progress of AMRUT projects and its relative performance with other states in India.

Having found out that Kerala's performance drastically low, the Hon'ble Minister has expressed his displeasure and urged the following immediate steps to be implemented after discussions in the SHPSC meeting:-

1. Fast track plans by KWA, ULB, Mission Directorate, LSGD Engineering wing, Urban affairs department etc... for joint co-ordination and effective implementation of the project within the approved timeline.
2. Urban affairs director shall monitor the progress of the project and issue necessary direction from time to time to ULB Secretaries and display the project status update in website.
3. Urgent steps shall be taken up by water authority for issuing technical sanctions, tendering, work award etc.. and a separate team shall be delegated for this task.

The current TS according system by Technical Expert Committee (Parks and Urban Transport projects) induces considerable delay and hence to be changed. Therefore, in Municipalities, the



technical Sanction shall be granted by the Executive Engineer level to Rs.50 lakhs and, in Corporations, the TS sanction shall be granted by the Superintending Engineer up to Rs.2 Crores. For projects above Rs.2 crores, the TS sanction shall be granted by the LSGD Chief Engineer. This shall apply to all Storm Water Drainage, Urban Transport and Parks projects.

5. The Mission Directorate shall provide a report on the delay by KWA in water supply project implementation.
6. To bring in better competition and professionalism, consultants for DPR preparation may be chosen through open tender, in addition to the empanelled list of LSGD.
7. There is lack of engineering and supporting staff in the mission cities and KWA for implementing AMRUT project. So proposals have to be taken from LSGD Engineering Wing and KWA regarding additional manpower required.
8. Mission Directorate shall conduct review meetings with each ULB and report shall be submitted.

**Decision:** The SHPS-C confirmed the decisions of the Hon'ble Minister.

**AGENDA No. 6: STORM DRAINAGE PROJECT UNDER KANNUR MUNICIPAL CORPORATION (SAAP 2017-18) – CONSTRUCTION OF SEA-SHORE STRUCTURES AT VARIOUS LOCATIONS - ENTRUSTING THE WORK TO HARBOUR ENGINEERING DEPARTMENT**

The Storm water drainage (SAAP 2017-18) project, i.e, *Construction and rejuvenation of primary drains & secondary drains at Thottadathodu and connecting drains, Varam, varam vayal, Katampallipuzha and connecting drains, sea shore structures as per the requirement at Payyambalam, Aayikkara, Mukkadav, Kadallai areas for eliminating sand deposits*, under Kannur Municipal Corporation has been recommended for AS in the 14<sup>th</sup> SLTC held on 05/12/2017.

The location of sea shore structures and related lands are under the possession of Harbour department & this type of construction (break





water structures in the sea) is a specialized work which also requires expertise from Harbour department.

Therefore, the Kannur Municipal Corporation has requested to entrust the project to the Harbour Engineering Team, from end to end support, i.e technical sanction, tendering, work award, execution etc.through a Tripartite agreement.

The matter has been discussed in the Kannur corporation council dated 04/12/2017 and decided to address the matter to government. Corporation's Deputy Mayor had discussed this matter with the Principal Secretary during the SLTC held on 05/12/2017.

**Decision:** The SHPSC accepted the proposal of entrusting the project to Harbour Engineering team for end to end support as per the standard procedures of Government accredited agencies and GO guidelines issued by Finance Department.

#### AGENDA No. 7: UPDATE ON AMRUT MISSION PROGRESS

379 projects have to be completed by 2020. Current status is detailed below.

Amount (In Cr)

SAAP	No of projects	Amount	DPR prepared		AS accorded			TS accorded		Contract awarded	
			No of projects	Total cost	No of projects	Total cost	Balance AS	No of projects	Total cost	No of project	Total cost
2015-16	100	587.99	86	46378	80	402.86	55*	51	254.12	22	20.1
2016-17	122	796.06	100	609.91	82	492.32		-	-	-	-
2017-18	157	973.64	110	548.67	79	362.82		-	-	-	-
<b>TOTAL</b>	<b>379</b>	<b>2357.69</b>	<b>296</b>	<b>1621.36</b>	<b>241</b>	<b>1258</b>		<b>51</b>	<b>254.12</b>	<b>22</b>	<b>20.1</b>





The status of DPR preparation process city wise is given below

Name of ULB	Water Supply			Sewerage/ Septage Management			Storm Water Drainage			Urban Transport			Open Space /Parks			City Wise Total		
	Total	Prepared	Balance	Total	Prepared	Balance	Total	Prepared	Balance	Total	Prepared	Balance	Total	Prepared	Balance	Total	Prepared	Balance
Trivandrum	7	6	1	23	19	4	11	8	3	8	1	7	4	2	2	53	36	17
Kollam	8	8	0	6	0	6	4	4	0	9	9	0	5	5	0	32	26	6
Alappuzha	3	3	0	3	0	3	3	2	1	5	5	0	6	6	0	20	16	4
Kochi	19	19	0	4	2	2	19	6	13	10	2	8	6	1	5	58	30	28
Thrissur	21	17	4	4	0	4	3	2	1	5	4	1	6	1	5	39	24	15
Guruvayoor	6	5	1	2	0	2	3	3	0	3	3	0	5	1	4	19	16	3
Palakkad	14	14	1	2	1	1	56	56	0	21	18	3	18	18	0	111	107	4
Kozhikode	4	3	1	3	1	2	5	5	0	2	0	2	10	10	0	24	19	5
Kannur	9	9	0	2	1	1	3	3	0	2	2	0	7	7	0	23	22	1
Total	91	84	7	49	24	25	107	89	18	65	44	21	67	55	12	379	296	83

Timeframe for activities defined at the last SHPSC:

- DPR Preparation of all projects except those by KWA shall be completed by 30.11.2017
- DPR Preparation of all projects by KWA shall be completed by 15.12.2017
- AS approvals of all SAAP projects shall be completed by 31.12.2017.
- TS approvals of all SAAP projects except water supply shall be completed by 31.12.2017.
- Water Supply projects shall be accorded TS by 15.01.2018
- Tendering and Contract awarding to be completed by March 2018

**Decision:** The SHPSC has revised the time frame for activities as per the following:

- DPR Preparation of all projects except those by KWA shall be completed by 05.01.2018.
- DPR Preparation of all projects by KWA shall be completed by 15.01.2018
- AS approvals of all SAAP projects shall be completed by 31.01.2018.



- TS approvals of all SAAP projects except water supply shall be completed by 15.02.2018.
- Water Supply projects shall be accorded TS by 15.02.2018
- Tendering to be completed by March 2018

The Committee expressed its deep concern about the time delays occurred for the activities defined in the last SHPSC and informed that the performance of the responsible officers are not upto the level of adhering the specified timelines. The Principal Secretary stated that the AMRUT Mission team (SMMU & CMMUs) is not exerting pressure to ULBs for the achievement of DPR preparation which was originally scheduled to be before 30 November 2017. If there had been a vigorous coordination with the ULBs and KWA, the milestones would have been accomplished. Therefore, the Principal Secretary issued a revised deadline for completion of DPRs of all projects except KWA by 5<sup>th</sup> January 2018, a failure wherein will lead a deduction of 20% from the salaries of the staff of SMMU and CMMUs. Each SMMU staff shall also be assigned charges of Mission Cities individually and provide a direct coordination to achieve the target.

To lead, the Mission Director shall liaise with the city of Kochi and urge them to achieve the target before 5<sup>th</sup> January 2018. The following SMMU staff shall be in charge of the other cities.

1. Trivandrum	-	Smt. Bhagavathy Iyer
2. Kollam	-	Sri. Priyalal Joseph
3. Alappuzha	-	Smt. Sathi
4. Thrissur	-	Sri.S. Shajan
5. Guruvayoor	-	Sri. Dileep.R
6. Palakkad	-	Sri. Sijo.V.S.
7. Kozhikode	-	Sri. Dileep.R
8. Kannur	-	Sri.S. Shajan

The Principal Secretary also informed that if any ULB do not submit the pending DPR before 5<sup>th</sup> January 2018, the projects will not be taken up further. Therefore, letters to be issued to Hon'ble Mayors and Secretaries to comply with the deadline.

The Committee also noted the following discussions:

1. KWA stated that the tendering of 33 projects will take place before 15<sup>th</sup> January 2018 out of which 10 projects will be immediately awarded and the remaining 23 projects will be awarded before 15<sup>th</sup> January 2018.



2. 80% of Consultancy fee for DPR preparation shall be disbursed to the ULBs as an advance payment, to facilitate the cash flow, through RTGS. No treasury cheque transaction shall be made.
3. The Mission Directorate shall address the Government for the releasing the AMRUT State Budget of 2017-18 to the account of the Mission Directorate.
4. The Chief Engineer LSGD shall submit a revised proposal for additional staff requirement not as cadre appointment but positions on contract basis for the project implementation, before the next SLTC for evaluation and recommendation to SHPSC.

**Agenda No. 8: ADMINISTRATIVE SANCTION OF DPRS**

In the 13<sup>th</sup> SLTC held on 14.11.2017, 15 DPRs amounting to Rs. 58.07 Cr were reviewed and recommended to be placed before the SHPSC to accord Administrative Sanction (AS).


In the 14<sup>th</sup> SLTC held on 05.12.2017, 33 DPRs amounting to Rs. 268 Cr were reviewed and recommended to be placed before the SHPSC to accord Administrative Sanction (AS). List of projects attached as *Annexure-II*.

**Decision :** The SHPSC discussed the projects in detail and decided to accord Administrative Sanction to 48 projects amounting to Rs. 326.07 cr. SHPSC also directed to take immediate steps to expedite the process of issuing Government order for AS.

  
Principal Secretary,  
LSGD

  
Mission Director, AMRUT



  
Dr. K.M. ABRAHAM  
Chief Secretary  
Chief Secretary  
(Chairman SHPSC - AMRUT)

**Participants of 13<sup>th</sup> SHPSC Meeting of AMRUT held on 14.12.2017 5:00 PM in the Chief Secretary's Chamber**

1. Sri T K Jose, Principal Secretary, LSGD
2. Sri G Kamala V Rao, Principal Secretary, PWD
3. Sri B. Srinivas , Principal Secretary, Fisheries
4. Sri. A. Ajithkumar, Secretary, LSGD (Rural)
5. Smt. Tinku Biswal, Secretary, WRD
6. Dr. Sharmila Mary Joseph, Secretary, Expenditure & Planning
7. Sri. PS Mohammed Sagir, Mission Director AMRUT
8. Smt. Shainamol A, Managing Director, KWA
9. Smt. Haritha V Kumar, Director, Urban Affairs
10. Sri. Gigi George, Chief Town Planner Planning
11. Sri. Sajikumar P R, Chief Engineer LSGD
12. Sri. LP Chithar, Director, Suchitwa Mission
13. Sri. S Haris, Chief Engineer KWA





**Table 4.1 (13<sup>th</sup> SLTC – Approved Projects – 15 Nos, Rs.58.07 Cr)**

Sl No.	Project Name	Project Cost in Cr.
<b>URBAN TRANSPORT – 5 projects (22.54 Cr)</b>		
<b>Thrissur – 4 projects (Rs. 15.13 Cr)</b>		
1.	FOOT PATH PHASE-1 (2015-16)	4.08
2.	FOOT PATH PHASE-2 (2016-17)	3.78
3.	Subway (2017-18)	1.53
4.	Skywalk (2016-17)	5.74
<b>Kannur Corporation – 1 Projects (Rs. 7.41 Cr)</b>		
5.	Construction of new footpath with handrails and cycle track (2016-17)	7.41
<b>PARKS AND OPEN SPACES – 6 Projects (Rs. 3.18 Cr)</b>		
<b>Kannur Corporation – 6 projects (Rs. 3.18 Cr)</b>		
6.	Rejuvenation of SN Park (2015-16)	1.10
7.	Rejuvenation of BabuRajendra park. (2016-17)	0.59
8.	Rejuvenation of AveraGramamandiram park. (2016-17)	0.41
9.	Renovation of KappadSisumandiram park (2017-18)	0.41
10.	Development of New Payyambalam park (2017-18)	0.45
11.	Development of Anakulam park (2017-18)	0.24
<b>WATER SUPPLY – 4 projects (Rs. 32.35Cr)</b>		
<b>Kannur Corporation – 2 projects (Rs.19.35 Cr)</b>		
12.	Laying new distribution line and providing new service connection at Elayavoor zone (2017-18)	8.00
13.	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) (2017-18)	11.35
<b>Palakkad Municipality – 2 projects (Rs.13.00 Cr)</b>		
14.	Construction of OHSR 2 Nos , total 76.5 LL capacity (2017-18)	11.56
15.	Replacement of Raw water and clear water pump sets (2017-18)	1.44



**Table 4.2 (14<sup>th</sup> SLTC – Approved Projects - 33 Nos, Rs.268.00 Cr)**

Sl No	Name of Project	Amount in Crores
<b>Green space &amp; Parks</b>		
<b>Palakkad</b>		
1	Vandhana Park	0.2
2	Rose Garden park	0.25
3	Gandhinagar Park	0.2
<b>Kollam</b>		
4	Corporation Park	0.401
<b>Kannur</b>		
5	Development of Chelora park	1.4
		2.45
<b>Urban Transport</b>		
<b>Kollam</b>		
6	MLCP	10.400
<b>Kannur</b>		
7	Multi Level Car parking complex at 1. Stadium premises 2. Thalikkav 3. Bank road	9.34
		19.74
<b>Water Supply</b>		
<b>Guruvayur</b>		
8	WSS to Guruvayur Municipality in Trissur Dist. Balance distribution network in Guruvayur Municipality	19.68
<b>Palakkad</b>		
9	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) –15 Km	15
10	Providing 160mm PVC - 30 Km for taking Water Service Connection (Both sides of road) and changing of connections	5.88
11	Providing Rider main pipe lines for proper zoning (500/450/400/350 mm DI(From 3 zonal OHSRs)) – 13 Km	13

12	Providing 160mm PVC - 38 Km for taking Water Service Connection (Both sides of road)	5.4
13	Replacement of Existing AC pipe lines to DI/PVC pipe lines 150/200/250mm DI-K9 - 6 km	3.3
14	Providing water connections to all to eliminate public taps & to reduce NRW: 9000 Nos	6.75
15	Adding excess amount Rs. 5 Cr. To the above projects from the approved SAAP cost of 2017-2018. Construction of OHSR 2 Nos, 37 LL, 23.50LL capacity-14 Crores and Replacement of raw water and clear water pumpsets-4 Crores. DPR cost of two projectsRs. 14 Crores	5
<b>Kannur</b>		
16	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)	8.6
17	Laying new distribution line 385km and providing new service connection	5.7
		88.31
<b>Sewerage and septage</b>		
<b>Kannur</b>		
18	Septage treatment plant at Chelora	3.42
<b>Kochi</b>		
19	DECENTRALISED SEWERAGE SYSTEM FOR DIVISION 15,16, &17	13.78
20	DECENTRALISED SEWERAGE SYSTEM FOR DIVISION 15,16, &17	30.78
<b>Palakkad</b>		
21	Septage treatment plant	3.41
		51.39
<b>Storm Water Drainage</b>		
<b>Kollam</b>		
22	Uliyakovil Area Phase IV	0.15504
	Kuttichira-Kilikolloor Area	1.28112





	Mangad-Arunoottimangalam-Karikkodu Area	0.16014
	Thangasserry Area	0.5865
	Sakthikulangara Area	0.74868
	Vadakkivila-Eravipuram Area	2.08896
	Mundakkal Area	0.2142
	Kavandu area	1.5963
		6.83
<b>Kannur</b>		
23	Construction/rejuvenation of drains.	11.13
24	Construction of new primary drains, secondary drains and rejuvenation of primary drains	12.6
25	Construction and rejuvenation of primary drains & secondary drains at1. Thottadathodu and connecting drains2. Varam, varamvayal, Katampallipuzha and connecting drains3. sea shore structures as per the requirement at Payyambalam, Aayikkara, Mukkadav, Kadallai areas for eliminating sand deposits	15.87
<b>Alappuzha</b>		
26	Alappuzha Municipality Various Wards	
	<b>WARD 13 - Palace</b>	
	THAZHAPARAMB TEMPLE THODU	2,605,354.00
	POIKKARAMPARAMBU	1,331,509.00
	DRAIN JOINING KOTTARAM THODU	4,496,735.00
	CHARUNTHARA THODU	9,274,268.00
	SNOP THODU	4,395,465.00
	KARUKPARAMB)	929,478.00
	<b>WARD 15 -Jillakodathi</b>	
	MALIKAYIL THODU	3,600,892.00
	RAMADA HOTLE JUNCTION TO PUNNAMADA BACKWATERS	842,414.00
	OPPO.RAMADA CONTINUATION OF EXISTING DRAIN	2,734,254.00
	VALAPPIL THODU	882,947.00





	PALLIKKANDATH TO METHASSERY	3,751,889.00
	FINISHING POINT TO VADACANAL	3,348,366.00
	WARD 16 -Thathampally	
	MADATHIPPARAMBIL TO KOLLAPPALLI THODU	3,161,236.00
	KANIYAMPARAMBU THODU	3,401,794.00
	DRAIN NEAR PUNIYIL ROAD CULVERT	1,689,341.00
	VATTAKKAYAL THODU	3,412,649.00
	PONVELIL TEMPLE ROAD THODU	7,412,431.00
	WARD 42- Railway Station	
	SN KAVALA ROAD CULVERT TO	3,981,309.00
	RAILWAY SATION ROAD CULVERT	
	BOUNDARY CANAL BETWEEN KUTHIRAPANTHY AND RAILWAY	2,481,901.00
	STATION WARD	
	DRAIN JOINING AYYAPAN POZHI	2,257,127.00
	sub Total	6.35
27	WARD -5 KOTTAMKULANGARA	
	KALATH CHERUKARA ROAD TO KARALAKOM PADDY FIELD	15,214,906.00
	WARD -6 PUNNAMADA	
	KPRA HOUSE NO 74 TO PUNNAMADA	1,247,319.00
	KOTTACHIRA TEMPLE WEST CULVERT TO NIKATHIL HOUSE	1,058,100.00
	KANNATHCHIRA TO PANACKAL THODU	8,760,554.00
	OPPOSITE PARATHARA CAR PARKING TO PUNNAMADA	1,860,376.00

PUNNAMADA CHANDA THODU TO SN KALASAMITHI	4,085,789.00
SN JANA SANG TO PUNNAMADA	3,468,773.00
<b>WARD -13 PALACE</b>	
POTHANTE IDAVAZHI THODU	1,549,210.00
<b>WARD -15 JILLAKODATHI</b>	
MANNISSERY THODU	982,577.00
KANIYAMPARAMBU BRIDGE TO RAMADA HOTEL JUNCTION	3,114,669.00
<b>WARD -16 THATHAMPALLY</b>	
NEAR THATHAMPALLY SCHOOL	12,449,238.00
<b>WARD -17 KARALAKOM</b>	
NEAR HOLY FAMILY SCHOOL TO CHEMMOTH ROAD	1,553,697.00
STARTING POINT TO SHORNUR CANAL ROAD	2,250,269.00
DRAIN BEHIND VATIKAD SCHOOL	1,621,515.00
THAIKKOOTTAM TO KARALAKAM PADAM (WARD 17 & WARD 19)	10,540,459.00
<b>WARD -18 AVALUKKUNNU</b>	
AVALOORMADAM TEMPLE GATE TO KARALAKAM PADAM	2,836,148.00
OLD NSS KARAYOGAM THODU	621,534.00
KAITHAVALAP BHARATH KRISHNA VILASAM ROAD TO VADA CANAL	892,118.00
AVALOORMADAM THEKKE JUNCTION	1,490,501.00
INDIRA JUNCTION	2,221,952.00
<b>WARD -19 KARUKAYIL</b>	
KADARVELI THODU-JOINING KARALAKOM PADAM	2,356,281.00
<b>WARD -22 MANNAM</b>	

	DRAINS NEAR MANNAM SCHOOL	12,214,000.00
	<b>WARD -23 KIDANGAMPARAMBU</b>	
	DRAIN NEAR KIDANGAMPARAMBU TEMPLE	1,515,697.00
	<b>WARD -45SEA VIEW</b>	
	DRAIN NEAR JAIN TEMPLE & UNITED CLUB TO CHANDAKKADAVU IN SEA VIEW WARD	10,767,306.00
	<b>WARD -39 GURUMANTHIRAM</b>	
	KUNNEL THODU	1,647,240.00
	VAYALAR AREA	2,457,085.00
	<b>WARD -40 VADACKAL</b>	
	RAILWAY CROSS EAST-VADAPOZHI	6,021,836.00
	MATHYAGANDHI-VADAPOZHI	2,434,364.00
	VADAKKEKKARA THODU (VADAPOZHI NORTH BRANCH)	3,431,755.00
	<b>WARD -41 BEACH</b>	
	NEAR MALGAR BRIDGE	1,739,226.00
	PAPANAGAR- 2	2,498,428.00
	DRAIN JOINING VADAPOZHI	3,179,761.00
	<b>WARD -43 ZACHARIYA BAZAR</b>	
	ZACHARIYA JUNCTION	2,588,600.00
	<b>Sub Total</b>	<b>13.07</b>
<b>Kochi</b>		
<b>28</b>	1.RAMESWARAM CANAL	2.58
<b>29</b>	2.MANTHRA CANAL	1.25
<b>30</b>	3.PANDARA CHAL CANAL	3
<b>31</b>	4.PALLICHAL CANAL	0.64
	Thrissur	
<b>32</b>	<b>WARD 20</b>	
	Shastri Lane Road-1	2524700
	Shastri Lane Road-2	2025046
	Mannuthy-Palakkad Main Road	25564005
	<b>Sub Total</b>	<b>30113751</b>



WARD 28	
C V Kochunni Road	3222613
Ancheri- Perivankulangara Road-1	1353772
Ancheri- Perivankulangara Road-2	3025547
Ancheri- Perivankulangara Road-3	2697954
Netaji Road- Motherland Road-1	7525904
Netaji Road- Motherland Road-2	1808788
Netaji Road- Motherland Road-3	814147
Shanti Road	5206344
Puthanangadi Road	2528502
Kundolipadam Road	859712
	<b>29043283</b>
WARD 33	
PattalaKinar Road end-Alumvettuvazhi Road	5270936
Alumvettuvazhi Road-Essykunnu pond -- Water Tank Road	13550159
St. Johns Street-1	1595153
St. Johns Street-2	243903
St. Joseph Model School	2977820
PattalaKinar Road	5948854
	<b>58630108</b>
WARD 34	
Koorkanchery-Chiyyaram Road	3036257
South Pentark Flat - Elite Mission Hospital	5460849
Thankamani Bus Stop-Meghana Apartment	2962602
Metropolitan Hospital-Baliya Thodu-1	1445111
Metropolitan Hospital-Baliya Thodu-2	3790318
Post Office-BaliyaThodu	4765833
Post Office, LIC Junction	7220158
ShakthanMagar	10628793
	<b>39309921</b>
WARD 35	
West Side of Sakthan Bus Stand	2508297



	Mundupalam Junction -Avenue Road- Aristo Road-1	3064935
	Mundupalam Junction -Avenue Road- Aristo Road-2	6204687
	St. Joseph School-Cemetery Road-1	7858709
	St. Joseph School-Cemetery Road-2	6526852
		<b>26163480</b>
	<b>WARD 38</b>	
	Jayalaksmi-Railway Station	3306229
		<b>16.23</b>
<b>33</b>	<b>WARD 1</b>	
	RAMNAGAR RD	3,08,944
	RAMNAGR COLONY RD	44,89,140
	RAMNAGR COLONY RD2	7,84,251
	RAMNAGR COLONY RD3	4,63,404
	RAMNAGR COLONY RD4	14,91,109
	SRIRAMA TEMPLE RD	71,81,735
	MANGOLAKERY-SHAKTANKULANGARA RD	34,55,938
	TEMPLE AVENU RD	2,16,340
	UDAYANAGAR NO9	24,18,059
	JAYAPRAKASH RD	16,90,719
	JAYAPRAKASH LANE	9,17,743
	KURUVATH LANE	57,09,546
		<b>2,91,26,930</b>
	<b>WARD 4</b>	
	VIYYUR COMPANYPADI-MANALARUKAVU TEMPLE ROAD	2,41,15,243
	POWER HOUSE-VIYYUR JAIL- PADUKKADU	
	POWER HOUSE-VIYYUR JAIL- PADUKKADU 2	
	POWER HOUSE-VIYYUR JAIL- PADUKKADU 3	
	VIYYUR ADUTHODU	71,62,045
		<b>3,12,77,288</b>
	<b>WARD 5</b>	
	TSR GOVT ENG COLLEG ROAD 1	3,17,44,368



TSR GOVT ENG COLLEG ROAD 2	
VIYYUR COMPANYPADI-VIYYUR BRIDGE	25,02,363
PERINGAVU-CHEROOR RD	22,89,875
VIYYUR PANDIKKAVU-PERINGAVU CANAL	29,65,584
	3,95,02,191
<b>WARD 9</b>	
CHEROOR SCHOOL-CHERUTTA RD	44,59,059
KUTTUMUKKU RD	14,06,096
	58,65,154
<b>WARD 20</b>	
PARAVATTANI NELLIKKUNNU RD	36,53,260
PARAVATTANI NELLIKKUNU JN RD	40,81,196
JESUS LANE RD	43,01,234
ALUKKA ANGADI RD	12,63,403
ALUKKA ANGADI RD2	13,91,518
ALUKKA ANAGDI RD3	5,84,794
JESUS LANE RD	2,02,331
NAZERH ANGADI RD	17,29,520
NAZERH ANGADI RD2	17,85,228
NELLIKKUNNU PARAVATTANI RD	62,13,415
	2,52,05,898
<b>WARD 23</b>	
PC THOMAS RD	1,21,43,989
PALLIKULAM RD	9,84,087
UNIT RD 1	3,37,946
UNIT RD 2	20,62,481
MOTHER THERESA RD	2,21,331
THOTTATHIL LANE 1	6,13,498
THOTATHIL LANE 2	72,167
THOPPE STADIUM RD	5,13,769
THOTTANPETTA RD	4,28,141
	1,73,77,409
<b>WARD 31</b>	

SEVANA NAGAR RD	9,36,071
OLLUR CHURCH-PADINJARE ANGADI POND	99,29,612
CONVENT ROAD	38,29,865
PALLINADA ROAD	10,00,592
PALLINADA ROAD 2	15,72,330
	1,72,68,471
	16.56
	106.11
<b>Grand Total</b>	<b>268.00</b>

