

Minutes of the 6th State Level High Powered Steering Committee (SHPSC) of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held under the Chairmanship of the Chief Secretary on 26th August 2016 at 12.00 noon in the Committee Room of the Chief Secretary, Government of Kerala.

Members Present:

1. Dr K M Abraham IAS, Additional Chief Secretary, Finance
2. Shri. V J Kurian IAS, Additional Chief Secretary , Water Resources Department
3. Shri. T K Jose IAS, Principal Secretary, Local Self Government Department
4. Dr. V K Baby IAS, Special Secretary, Local Self Government Department & Mission Director, AMRUT
5. Sri. P S Mohammed Sagir IAS, Project Director, Kerala Sustainable Urban Development Project & Nodal Officer, AMRUT
6. Shri. Ajit Patil IAS, MD, Kerala Water Authority
7. Dr. K Vasuki IAS, Executive Director, Suchitwa Mission
8. Shri. P R Sajikumar, Deputy Engineer, Local Self Government Department.
9. Shri. Raveendran T, Technical Member, Kerala Water Authority
10. Shri. Shaji Joseph, Chief Town Planner (Planning)

The meeting of the 6th State Level High Powered Steering Committee (SHPSC) of AMRUT chaired by Sri. S.M. Vijayanand IAS, Chief Secretary, Government of Kerala, commenced at 12.00 noon.

1. Additional Chief Secretary (Water Resources) informed the SHPSC that, as per the decision of 5th SHPSC, a meeting was called to discuss the feasibility of projects proposed under Water Supply and Sewerage/ Septage management. The Principal Secretary LSGD, Managing Director of Kerala Water Authority (KWA) and senior officials from KWA attended the meeting and finalized the projects to be proposed under State Annual Action Plan(SAAP) 2016-17.
2. The Nodal officer presented the SAAP 2016-17 including the list of projects proposed under SAAP. The SHPSC discussed each project proposed under SAAP 2016-17 in detail and the comments on the projects are enclosed as ANNEXURE I. The SHPSC decided to approve the SAAP 2016-17 amounting to Rs 796.06 Cr and recommended

to submit the SAAP for consideration of the Apex Committee subject to the following conditions.

Water Supply Sector

- MD, KWA should certify that water supply projects proposed under AMRUT are not considered under JICA, JnNURM, KSUDP, UIDSSMT or any other schemes to avoid Duplication.
- KWA to submit the details of the proposed projects for AMRUT on the City's Map, showing the existing network and the location of the newly proposed projects to the Nodal Officer within two weeks. The details should also include the definite components and expected gain from these projects. These maps along with the expected improvements, impact and project duration shall be informed to public and monthly progress of each project to be published in the website of State Mission Management Unit(SMMU)-AMRUT and KWA.
- Bulk metering should be installed in all cities and zones to track the area wise distribution and consumption.
- MD, KWA shall ensure safe source of water in the projects.
- KWA has to plan meticulously while preparing the DPRs to minimise planning errors that may eventually lead to execution errors.
- The committee informed KWA that only capital investment projects can be proposed and consumables should not be included in the proposals.
- There shall be a tripartite agreement between ULB-KWA and LSGD/AMRUT Mission.
- KWA would be responsible for cost overrun.

Sewerage and Septage Management

- Coastal areas to be given priority while preparing the projects with options for septage management.
- Decentralised sewerage systems with water recycling and reuse & septage management to be given priority in AMRUT, except Thiruvananthapuram which already has a sewerage system & STP.
- Works should be executed through a competitive Engineering Procurement Construction (EPC) model by the urban local governments inviting National Competitive Bidding.

Storm Water Drainage

- All the mission cities to prepare contour map and drainage plan. The drainage proposals shall be based on these maps only.
- Projects proposed should not be fragmented in nature. It has to cover the run off of an any specific area planned or for the entire area with assured networking with the primary drains/ canals. The drains so planned should have a beginning and end ensuring complete drainage.
- Chief Engineer, LSGD to inspect sites of projects and to assess the existing contour conditions, incidence of water logging, the possible networking with the primary drains etc.
- The drains planned should also have provision for utility ducts in all mission cities.

Urban Transport

- Footpath to adopt best in class features with barrier free designs. Include the provisions for cycle pathways where ever the road width is adequate.
- Multi level parking if proposed should be conceived as Public Private Partnership with Build Own Operate Manage and run/ Build Own Operate and Transfer basis only.

Green Spaces & Parks

- All AMRUT cities should promote walkability and develop public spaces and create recreational spots with ample lung space for citizens with provisions for walking/Cycle tracks to improve community fitness.
- The ULBs have to explore the possibilities to mobilise the ULB share through PPP/ CSR .

3. The SHPSC also directed that, location of all the projects proposed in all sectors, while submitting the DPR for Administrative Sanction should clearly mark in the respective city map the the benefits of the project ensuring there is no duplication of projects already proposed under JICA, KSUDP's ADB loan or UIDSSMT etc. The same should be uploaded in the website of State Mission Management Unit to ensure maximum transparency .

4. The Financial outlay for each sector and city were also discussed in detail.

Name of City	Water Supply	Sewerage & Septage	Drainage	Urban Transport	Green Spaces	TOTAL Amount as per SAAP
Thiruvananthapuram	29.04	50.69	19.09	11.23	2.25	112.30
Kollam	34.07	24.93	15.00	7.44	1.66	83.10
Alappuzha	56.87	2.00	13.00	3.00	1.53	76.40
Kochi	63.04	30.78	17.44	10.26	2.05	123.57
Thrissur	36.08	26.40	14.96	8.80	1.76	88.00
Guruvayur	41.05	10.00	0.14	19.00	1.42	71.61
Palakkad	32.00	22.59	12.80	7.53	1.51	76.43
Kozhikode	31.83	27.03	15.32	14.12	1.80	90.10
Kannur	30.38	22.23	12.60	7.41	1.48	74.10
TOTAL	354.81	216.65	120.35	88.79	15.46	796.06

Amount for which SAAP to be prepared for the year 2016-17 is Rs 772.8 Cr, However the estimated cost of projects proposed by the State is Rs 796.06 Cr. After consulting with the Additional Chief Secretary (Finance), the SHPSC decided that the additional amount of Rs 23.28 Cr would be allocated as State share.

The SHPSC also decided to approve along with the project list, the Capacity Building Plan and the Reform Implementation Roadmap to be included as part of SAAP 2016-17.

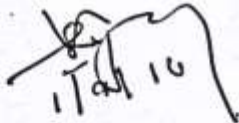
5. The SHPSC also decided to assess the possibility to support financially weak ULBs by contributing the ULB share (20%) for projects under Water Supply, Decentralised Sewerage treatment and Septage Management and Non motorised Transport systems. Multi Level car parking development and rejuvenation of parks to be taken up on PPP mode by the ULB.
6. SHPSC entrusted the Special Secretary, LSGD to draft a tripartite agreement to be signed among the Secretary-Mission City, MD - KWA and Mission Director-AMRUT. The Terms of Reference in the tripartite agreement should include the scope of work for each project including its deliverables, time duration, cost specification, O&M procedures, expected

impact on the town/city, improvement in coverage, quality/distribution quantity and service levels & additional number of piped connections during the operational phase of the project. Urban Local Governments would monitor all KWA and other projects.


Payment to KWA will be effected subject to the concurrence/clearance on satisfactory performance and accomplishing agreed deliverables as per the contract and the cost escalation to be fully met by KWA.

7. A Third Party Quality Check for Quality Assurance is required while implementing the projects under AMRUT. The Committee decided to constitute an expert panel with engineers from relevant streams namely Civil, Mechanical & Electrical Engineering. Experts shall be included from NIT Calicut, CET, GEC Thrissur & from reputed engineering colleges in Kerala, Institution of Engineers, Kerala etc . The cost for the same shall be met from the A&OE of AMRUT. The panel shall be decided by the Nodal Officer & Mission Director, AMRUT.
8. Status of all the projects to be published in the SMMU website from 31st of August 2016 and once projects start off, work progress including site photos have to be regularly uploaded in both State Mission Management Unit and KWA's websites on a weekly basis. KWA shall update the progress of their projects under AMRUT in their website also. The SHPSC noticed that at present KWA website is not available and MD, KWA promised that KWA website will be uploaded within a month positively.
9. Suchitwa Mission to take lead in sending technically qualified professionals from the State to study the successful models of Sewerage and Septage Management implemented in other States. This will help in replicating such models in Kerala.
- 10 The SHPSC directed that the institutional & implementation mechanism of Sewerage Sector projects as and when the proposals arrive will be decided by the State Level Technical Committee.

The meeting concluded at 2.00 PM.



Chairman
SHPSC, AMRUT &
Chief Secretary, Govt. of Kerala



Principal Secretary,
T.K. JOSE. IAS
Principal Secretary to Government
Local Self Government Department
Government Secretariat
Thiruvananthapuram-695 001

Comments / Suggestion of SHPSC on the project proposed under SAAP 2016-17

1	THIRUVANANTHAPURAM	<p>Sewerage Project: Project to be complete in nature, priority to be given to the Decentralised project proposed within the Medical College campus. The project may be phased out over 3 years with Sewerage management in phase -1 , water recycle, rainwater harvesting etc to be included in the phase -2 & 3 and to be completed within the AMRUT mission period.</p> <p>Storm water drainage: Specify the area coverage along with the need of the project and expected outcome.</p> <p>Parks : The Names of parks/ open spaces to be submitted by the ULB , along with the location map and photographs</p> <p>Action by : CMMU, AMRUT & KWA Time Limit : 5 Sept 2016</p> <p>Monitoring By : Nodal Officer, AMRUT</p>
2	ALAPPUZHA	<p>Storm water drainage: Exactly specify what improvements can be brought about by these projects with respect to service levels. A clear description of the improvements needs to be depicted.</p> <p>Action by : CMMU, AMRUT Time Limit : 5 Sept 2016</p> <p>Monitoring By : Nodal Officer, AMRUT</p>

3	KOCHI	<p>Water supply : Projects should focus more on equitable distribution and stress on implementing new water supply lines to areas without coverage. Bulk metering to be installed in these areas to ensure quantification of water supplied. Better controlled distribution of water over the complete network will increase both quality and quantum of water supplied. Subject to following the above conditions and ensuring the benefits, the Committee agreed to meet the extra cost for these water supply projects from the state funds.</p> <p>Sewerage System: The project is proposed to create decentralised sewerage system on ward basis, with shallow and small piped network. A consultant has been appointed to prepare a DPR, in association with KWA.</p> <p>Green Spaces : The proposal should have exact descriptions of which & what kind of improvements are planned in these parks.</p> <p>Action by : CMMU, AMRUT & KWA</p> <p>Time Limit : 5 Sept 2016</p> <p>Monitoring By : Nodal Officer, AMRUT</p>
4	THRISSUR	<p>Water Supply:</p> <ol style="list-style-type: none"> 1. The old plant of 14.5 MLD shall be decommissioned and a new plant of 20 MLD shall be built to serve the need of the ULB using the already existing conveyance system. 2. The project of laying pipes will only be for the uncovered area of the corporation. <p>All projects under water supply in AMRUT cities should be depicted on a map, clearly indicating the changes being brought about and the gains of these projects to the public. A monthly progress report both physical and financial, with photographs shall be published in the KWA's website.</p> <p>Action by : AMRUT PIU, KWA</p> <p>Monitoring By : MD, KWA</p> <p>Decentralized sewerage and waste water management – EPC to be done</p>

5	GURUVAYUR	<ul style="list-style-type: none"> • Water Supply : ACS(Water Resources) suggested to use the Karuvannur river as the source for water supply projects for Guruvayoor Municipality as there is doubt in the availability of water in Bharathapuzha river throughout the year, whereas Karuvannur river has sufficient water availability throughout the year. The DPR should also identify an alternative source of water. Feasibility for desalination plant at Chavakkad to cater the demand of Guruvayur & Chavakkad to be studied, since Arabian sea is nearby saving on laying conveyance system. <p>Based on the above studies, decision will be taken as to which project is more feasible to serve the need to Guruvayur. The committee decided to allocate a lump sum amount of 26 crore for “ Improvement of water supply system for Guruvayur”.</p> <p>Action by : AMRUT PIU, KWA</p> <p>Monitoring By : MD, KWA</p> <p>Sewerage: The project proposed is for the extension of the existing network since a sewerage system is already in place for Guruvayur, needing another 160 m of network laying.</p> <p>Storm Water Drainage : It was noticed by the committee that the amount proposed is very less to cover 43 wards. Priority of the project should be to drain out water logged areas. CE LSGD shall study & propose which area needs immediate attention based on the contour map and drainage characteristics of the city. The committee decided that the cost allotted for drainage be utilised for an area which will bring total drainage.</p> <p>Action by : CE, LSGD</p> <p>Time Limit : 12 Sept 2016</p> <p>Monitoring By : Mission Director, AMRUT</p> <p>Urban Transport : The committee agreed to the need of the Multi Level parking project and decided that the project should only be on PPP as Build Own Operate Manage and run/ Build Own Operate and Transfer basis.</p>
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6	PALAKKAD	<p>Water Supply : The committee agreed to the proposals and informed KWA that the proposal has to ensure water supply to the current water deficit areas.</p> <p>Storm Water Drainage: The proposals should be based on the contour map available with the ULB and should be for an area. Fragmented drains should not be considered.</p>
7	KOZHIKODE	<p>Water Supply: MD informed that CE of Kozhikode will ensure & certify that there will be no duplication of work under any other previous scheme. The committee entrusted MD, KWA to ensure that no duplication of projects under JICA.</p> <p>Action by : AMRUT PIU, KWA</p> <p>Monitoring By : MD, KWA</p> <p>Sewerage: The committee decided that the decentralised sewerage system planned in the new area should be implemented through EPC bidding process.</p>
8	KANNUR	<p>Water Supply: MD, KWA informed that the project proposed for Kannur will enhance the capacity of the existing treatment plant by 10 MLD & can be conveyed using the already existing pipe network. Laying of new pipes will not be required as the gravity main already has a capacity of conveying 40 MLD.</p> <p>The demand of Kannur being 25 MLD, the extra 15 MLD will be met from the project in JICA.</p> <p>The Chairman directed KWA that the project should include households of the 4 newly added Panchayaths & it has to be ensured 150 LPCD supply is achieved in the ULB as stated.</p>

9	KOLLAM	<p>Water Supply : MD, KWA informed the committee that a total of Rs. 368 cr is required for meeting the demand of 90 MLD for Kollam Corporation. Rs.220 Cr would be required as the production component and Rs 148 cr as the transmission component. As the whole requirement cannot be fulfilled under AMRUT, decision may be taken as to which component can be partially addressed from the available funds under AMRUT.</p> <p>Chairman noted that since AMRUT is only for another three years, the part of the production component should be addressed first. It was decided that the below components shall be implemented under AMRUT using the allocated financial envelop for 2016-17 & 17-18 (ie. 74.85 Cr);</p> <ol style="list-style-type: none"> 1. Well Cum Pump house & Transformer room 2. Construction of Weir at Intake 3. Construction of WTP (90 MLD) 4. Construction of OHSR at Vadoorichira (24LL) 5. Contingency & Unforeseen <p>The committee decided that the remaining fund required to complete the project would be sourced from Kerala Infrastructure Investment Fund Board.</p> <p>Sewerage Sector : The committee deliberated on the proposals. Since there is no clarity on the projects in Sewerage already existing under other schemes, in AMRUT focus will be given for decentralised sewerage system with septage management, giving importance to providing solutions for Coastal Areas.</p>
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