



GOVERNMENT OF KERALA

Abstract

Local Self Government Department - AMRUT - Designation of State Mission Management Unit (SMMU) of AMRUT to undertake the GIS - based utility mapping of assets in the nine Phase-I AMRUT cities through accredited empaneled agencies with an approved outlay of Rs. 10,93,74,083/- from the balance funds available under AMRUT Phase I - Sanctioned Accorded - Orders Issued.

LOCAL SELF GOVERNMENT (DC) DEPARTMENT

G.O.(Rt)No.2786/2025/LSGD Dated,Thiruvananthapuram, 10-11-2025

Read 1 Minutes of the 38th State High Powered Steering Committee (SHPSC) of AMRUT-1.0 held on 27.10.2025.(Agenda Item No.38.4.11)

ORDER

Under the Urban Planning Reforms of the Scheme for Special Assistance to States for Capital Investment (SSASCI) 2024-2025, GIS-based utility mapping of water supply, sewerage, and storm water drainage networks was one of the identified reforms. As part of the reform implementation, the State had submitted GIS shape files of utilities mapped in 9 AMRUT cities - water supply networks in the nine AMRUT cities, sewerage networks in Thiruvananthapuram and Kochi, and storm water drainage networks in Thiruvananthapuram, Guruvayur, Palakkad, and Kozhikode. Based on the submission and compliance with reform requirements, the State has received an incentive amounting to 5.50 Cr. under SSASCI 2024 - 2025. In continuation of the scheme, under Part X – Urban Planning Reforms of the SSASCI 2025-2026, GIS- based utility mapping of water supply, sewerage, and storm water drainage networks on the GIS portal and the PM Gati Shakti portal has again been identified as one of the key reforms. The objective of this reform is to enhance resource management, mitigate environmental impacts, and enable data-driven decision making for efficient urban infrastructure planning. As per the eligibility criteria prescribed by the Ministry of Housing and Urban Affairs (MoHUA), the State must map/digitize the existing water supply network, storm water drainage, and sewerage network layers on the final GIS base

layers created under the AMRUT GIS Sub-Scheme or any other Government scheme/initiative. All networks should be created on a GIS platform and publish all the GIS utility maps on PM Gati Shakti Portal. The GIS structure and content should adhere to the design and standards published by MoHUA.

(2) In line with the implementation of the reform, the utility mapping of Water supply, Sewerage and storm water drainage has to be done for 9 phase 1 AMRUT cities through empaneled accredited agencies of the State, who have prior experience in utility mapping and the estimated cost for the GIS-based utility mapping activity is Rs. 10,93,74,083/- The key deliverables and outcomes envisaged in the proposal are as follows:

- City-wise Geo spatial database of 9 cities.
- GIS layers (shape files, Geo TIFFs) for water bodies, drainage, and KWA assets.
- Condition assessment reports and asset metadata in standardized formats.
- Interactive Web GIS Dashboard for planning, monitoring, and decision-making.
- Training and handover to KWA and ULB officials for sustainable operation and maintenance.
- Establishment of a future-ready, data-driven asset management system aligned with AMRUT 2.0 and Smart City Mission objectives.

(3) Since AMRUT Phase- I projects are scheduled for completion by December 2025, and balance funds are expected to remain available under the Mission. The Mission Director, AMRUT proposed that the cost for the GIS - based utility mapping can be met from the balance funds of AMRUT Phase-I and the proposal was placed in the 33rd SLTC held on 08.10.2025 and the committee decided to recommend the following to the SHPSC :

- Designating the State Mission Management Unit (SMMU) of AMRUT to undertake the GIS- based utility mapping of assets in the nine Phase-I AMRUT cities through accredited empaneled agencies who have prior experience in the utility mapping of water supply, sewerage and storm water drainage systems in Kerala.
- Earmarking an amount of Rs. 10,93,74,082.70/- from the balance funds available under AMRUT Phase-I towards meeting the estimated cost of the GIS - based utility mapping.
- The Kerala Water Authority and the nine Phase-I AMRUT cities shall

provide all available data and necessary assistance to the selected agency as and when required for the successful completion of the work.

- The selected agency shall complete the GIS - based utility mapping of water supply, sewerage, and storm water drainage networks in the nine Phase-I AMRUT cities and to submit the shape files before 15th December 2025 for claiming incentives under SASCI 2025-2026.
- The vetting of the proposal shall be done by a committee comprising, Mission Director, AMRUT, Managing Director, KWA, Chief Engineer, Local Self Government Department (LSGD) and Chief Town Planner (Planning), Local Self Government Department (LSGD).

(4). Based on the recommendation of SLTC, as per the minutes read as 1st paper above, the 11th SHPSC has decided the following .

- Designated the State Mission Management Unit (SMMU) of AMRUT to undertake the GIS- based utility mapping of assets in the nine Phase-I AMRUT cities through accredited empaneled agencies who have prior experience in the utility mapping of water supply, sewerage and storm water drainage systems in Kerala.
- Approved the earmarking of an amount of Rs.10,93,74,083/- from the balance funds available under AMRUT Phase- I towards meeting the estimated cost of the GIS- based utility mapping.
- The Kerala Water Authority and the nine Phase- I AMRUT cities shall provide all available data and necessary assistance to the selected agency as and when required for the successful completion of the work.

The selected agency shall complete the GIS- based utility mapping of water supply, sewerage, and storm water drainage networks in the nine Phase-I AMRUT cities and to submit the shape files before 15th December 2025 for claiming incentives under SASCI 2025-2026.

- The vetting of the proposal shall be done by a committee comprising, Mission Director, AMRUT, Managing Director, KWA, Chief Engineer, Local Self Government Department (LSGD) and Chief Town Planner (Planning), Local Self Government Department (LSGD).

(5) Government have examined the matter in detail and are pleased to designate the State Mission Management Unit (SMMU) of AMRUT to

undertake the GIS- based utility mapping of assets in the nine Phase- I AMRUT cities through accredited empaneled agencies who have prior experience in the utility mapping of water supply, sewerage and storm water drainage systems in Kerala, with an approved outlay of Rs. 10,93,74,083/- from the balance funds available under AMRUT Phase I. The Kerala Water Authority (KWA) and the nine Phase-I AMRUT cities shall provide all available data and necessary assistance to the selected agency as and when required for the successful completion of the work. The selected agency shall complete the GIS - based utility mapping of water supply, sewerage, and storm water drainage networks in the nine Phase- I AMRUT cities and submit the shape-files before 15th December 2025 for claiming incentives under SSASCI 2025-2026. The vetting of the proposal furnished shall be done by a committee comprising, Mission Director, AMRUT, Managing Director, KWA, Chief Engineer, Local Self Government Department (LSGD) and Chief Town Planner (Planning), Local Self Government Department (LSGD).

(By order of the Governor)
TINKU BISWAL
PRINCIPAL SECRETARY

To:

The Mission Director, AMRUT, Thiruvananthapuram
The Principal Director, LSGD, Thiruvananthapuram
The Managing Director, Kerala Water Authority, Thiruvananthapuram
The Secretaries of ULBs concerned (through Principal Director, LSGD)
The Principal Accountant General (A&E) Kerala, Thiruvananthapuram
The Accountant General (Audit I/Audit II), Kerala, Thiruvananthapuram
The Information Officer, I&PRD (Web & New Media)
The Executive Director, Information Kerala Mission.
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Section Officer