

**GOVERNMENT OF INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
RAJYA SABHA  
UNSTARRED QUESTION NO. 1664  
ANSWERED ON 15/12/2025**

**CLIMATE-RESILIENT URBAN PLANNING**

**1664. SHRI SATNAM SINGH SANDHU:**

**Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:**

- (a) whether Government has issued guidelines for climate-resilient urban planning in flood-prone cities;
- (b) the number of cities or towns where integrated storm-water drainage projects have been sanctioned under AMRUT 2.0 or Smart Cities Mission; and
- (c) the estimated reduction in urban flooding expected after completion of such projects?

**ANSWER**

**THE MINISTER OF STATE IN THE MINISTRY OF HOUSING AND URBAN AFFAIRS  
(SHRI TOKHAN SAHU)**

(a) to (c): Urban planning and management of urban flooding fall under the purview of the State Governments and the Urban Local Bodies (ULBs)/ Urban Development Authorities, who are responsible for maintaining the drainage and sewerage system. Government of India supplements the efforts of the States through schematic interventions/ advisories. It provides financial and technical support to the States to strengthen Urban Planning ecosystem.

The Ministry of Housing & Urban Affairs (MoHUA) has published the following documents/advisory guidelines for improving urban drainage and flood management:

- i. Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines, 2014 ([https://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I\(2\).pdf](https://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I(2).pdf))
- ii. Standard Operating Procedure (SOP) for Urban Flooding ([https://mohua.gov.in/upload/uploadfiles/files/SOP%20Urban%20flooding\\_5%20May%202017.pdf](https://mohua.gov.in/upload/uploadfiles/files/SOP%20Urban%20flooding_5%20May%202017.pdf))
- iii. River Centric Urban Planning Guidelines in 2021 to enable cities in the development of conjunctive water management approaches including nature-based solution (<https://mohua.gov.in/upload/uploadfiles/files/RCUP%20Guidelines.pdf>)

- iv. Guidance Document on Creation of Rain Water Harvesting Parks (<https://mohua.gov.in/pdf/6566e1048ab41guidance-document-on-rainwater-harvesting-parks-final.pdf>)
- v. Manual on Storm Water Drainage System (<https://mohua.gov.in/publication/manual-on-storm-water-drainage-systems--2019.php>)

Atal Mission for Rejuvenation and Urban Transformation (AMRUT) launched in the year 2015, inter alia, has a component on storm water drainage, which involved construction and improvement of drains/ storm water drains in order to reduce and eliminate flooding. There are no integrated storm-water drainage projects sanctioned under AMRUT 2.0. However, under AMRUT, 838 Storm Water Drainage projects worth ₹3016.82 crore were approved. As reported by the States on AMRUT Portal, 813 Storm Water Drainage projects worth ₹2,403.35 crore have been completed.

Under the Smart Cities Mission (SCM), in convergence, a total of 106 projects amounting to ₹3018.64 crore were taken up in 34 Smart Cities for storm-water drainage, out of which 102 projects amounting to ₹2788.65 crore have been completed.

Besides, under AMRUT and AMRUT 2.0, sewerage and septage management projects have been undertaken which inter alia help in evacuation of storm water. Under AMRUT, 890 sewerage/ septage management projects have been grounded, which has led to creation of 21,754 km length of sewer network. Under AMRUT 2.0 so far, 588 Sewerage and Septage Management projects have been approved covering 35,801 KM of sewer network.

MoHUA is also supporting the States/ Union Territories in formulation of Geographic Information System (GIS) based Master Plan in AMRUT Cities and Class-II towns with the population 50,000 - 99,999. Under this Sub-scheme, the geo database is created through Very High-Resolution Satellite Image or Drone Technology as per Design & Standards documents published by MoHUA. The State Government can use the geo-spatial data to restore natural drainage corridors and for urban planning to prevent urban floods.

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