

GOVERNMENT OF INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 692**  
ANSWERED ON 29/07/2024

**URBAN FLOODING IN SMART CITIES**

**692. SMT. SAGARIKA GHOSE:**

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

- (a) whether the Smart Cities Mission inaugurated by Government in 2015 is taking special steps to deal with the phenomenon of urban flooding in Smart Cities, significant flood incidents having been recorded in Smart Cities such as Varanasi and Ahmedabad in 2022, Jaipur and Surat in 2024 and Delhi in June 2024; and
- (b) the specific smart water management steps and water masterplan designs being taken for the designated Smart Cities?

**ANSWER**

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

- (a) & (b) Urban development including urban planning is a State subject. Ministry of Housing and Urban Affairs (MoHUA) supplements the efforts of the States and Urban Local Bodies (ULBs) in these sectors through schematic interventions and programs. In order to deal with the phenomenon of urban flooding in Smart Cities, 87 projects amounting to Rs. 1,005 crore in 35 cities have been implemented under “urban resilience” sector, including projects pertaining to urban flooding. Additionally, 603 projects have been implemented amounting to approximately Rs. 21,182 crore in 97 smart cities for improvement of storm water drainage.

Smart Cities have implemented projects including, *inter-alia*, flood emergency response system in Agartala (Tripura), resolution of urban flooding in Davanagere (Karnataka), monitoring and mitigation of urban floods in Pune (Maharashtra), flood early warning system, Thane (Maharashtra), and flood sensors for monitoring subways in Chennai (Tamil Nadu). In addition, smart cities like Mangaluru, Vadodara, Vishakhapatnam, Bhubaneswar and Kakinada have deployed disaster management, emergency response and early warning systems to monitor water-logging, prevent and manage urban flooding, and coordinate disaster management activities through Integrated Command & Control Centre (ICCC).

Moreover, MoHUA has issued “The Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines 2014” (Chapter 6: Sustainable Guidelines) for adoption of the States to address the issues of urban flooding, and Standard Operating Procedures (SOP) for Urban Flooding in 2017, and an Advisory that was circulated to all the States/ Union Territories (UTs) for their adoption as per local conditions. Further, Central Public Health and Environmental Engineering Organization (CPHEEO), MoHUA has also published Guidance Document on Creation of Rain Water Harvesting Parks. City specific water management design is taken up at City/ State/ UT level.

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