

PARLIAMENT QUESTION: MISSION MAUSAM

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The Mission Mausam scheme adopts a multi-faceted transformative approach aimed at making Bharat a "Weather-ready and Climate-smart" nation. Key objectives include:

- Developing cutting-edge weather surveillance technologies and systems.
- Implementing higher-resolution atmospheric observations with improved temporal and spatial sampling and coverage.
- Deploying next-generation radars, wind profilers, and satellites equipped with advanced instrument payloads.
- Implementing advanced high-performance computing (HPC) systems.
- Enhancing our understanding of weather and climate processes and improving prediction capabilities.
- Developing advanced Earth system models and data-driven methods, including the use of AI/ML.
- Creating technologies for effective weather management.
- Establishing a state-of-the-art Decision Support System (DSS) and dissemination system for last-mile connectivity.
- Strengthening capacity building and research collaborations.

Mission Mausam scheme is being implemented with a total cost of ₹2,000 crore (Rupees Two Thousand Crore only) for the period 2024-2026. The budget allocation is ₹258 crore for 2024-25 and ₹1,742 crore for 2025-26.

Since long time, IMD has been providing customised weather information and severe weather forecasts for the tourist places in the country. In addition, IMD also provides special customized weather services for the major pilgrimage like Char Dham Yatra, Amarnath Yatra, etc., and special events like Maha Kumbh Mela held during the period January-February 2025. For such location-specific customized services, it has been using observations available from existing observational networks, RADAR, satellite, numerical weather prediction products, and synoptic checklists.

The Mission Mausam will lead to further improvement in the monitoring and forecasting of severe weather and climate events and thereby helping the tourists and tourism businesses to plan their activity better like choosing the tourist destinations, and making tourism activities possible and enjoyable, particularly during the bad weather conditions. This will in turn help in reducing the loss of life, money, and business in the tourism sector.

This information was given by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology, Earth Sciences, MoS PMO, MoS Personnel, Public Grievances & Pensions, Department of Atomic Energy and Department of Space, in a written reply in the Rajya Sabha today.

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