

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 5335
TO BE ANSWERED ON WEDNESDAY, 25TH MARCH, 2026**

**LEGISLATIVE REFORMS, GLOBAL BEST PRACTICES AND CAPACITY
BUILDING IN THE METEOROLOGICAL DEPARTMENT**

5335. SHRI PARSHOTTAMBHAI RUPALA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government is considering introduction of a dedicated legislation or statutory reforms to enhance the efficiency, autonomy and functional effectiveness of the Meteorological Department and if so, the details thereof;
- (b) whether the Government has taken cognisance of representations seeking review of meteorological legislations and governance models of foreign Governments including those of Korea, Kenya, Tuvalu, Tanzania, Nauru and Vanuatu to adopt best practices and if so, the details thereof; and
- (c) the details of the concrete steps being taken to attract skilled professionals and strengthen advanced research including application of emerging technologies for improving accuracy of local and short-range weather forecasting?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) Yes. The Ministry of Earth Sciences (MoES) has constituted a committee comprising of members from various organizations including representative from Legislative Department, Government of India for the formulation of legal framework for (i) the provision of the Meteorological Services in India and the role of agencies involved in it and (ii) to promote research and development for improving and delivering effective meteorological services.
- (b) Yes. The World Meteorological Organization (WMO) has suggested that all member countries develop appropriate legislation for hydrometeorological services. In this context, a committee constituted by the Ministry has taken note of the legislation of certain foreign Governments, including Korea, Kenya, Tuvalu, Tanzania, Nauru, and Vanuatu, with reference to the efficiency of meteorological services.
- (c) To attract skilled professionals to the Meteorological Department and enhance research activities related to the influence of technology on accurate local weather forecasts, IMD, in coordination with MoES, has taken the following steps:

- Public Awareness Program.
- Integrated Academic Program with various Universities and Institutions. Regular interaction and signing MoUs with the Centre, State, and private Universities, and sharing the data and HPC for engaging undergraduate and postgraduate students to work in this department remotely and through summer projects.
- Specific Scientific research projects like Monsoon Mission, Mission Mausam, Thunderstorm research testbed, etc, are being implemented in collaboration with State and Central Universities, IITs, etc., to attract young students pursuing master's and PhD.
- IMD is also extending all support to private and Government Universities to install AWS, ARGs, and other meteorological observatories to carry out the observation through student participation.
- IMD advertises regularly for project scientists and research scholar posts meant for young researchers. In that way, a pool of experienced human resources is being developed, facilitating future workforce selection in the various MoES organisations.
- From time to time, IMD and other MoES institutes have been recruiting employees at the level of Scientific Assistant and Scientist B & Scientist C to sustain and enhance their capabilities for delivering weather and climate services.
- IMD also has mutual cooperation and understanding with other Government Agencies, such as the Indian Air Force, Indian Navy, Coast Guard, and Indian Army, for operational and research activities.
