



**Government of India  
Ministry of Earth Sciences**



**India Meteorological Department**

## **PRESS RELEASE**

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### **Sub: 1st Regional Training on Multi-Hazard Early Warning System (MHEWS) Interoperability Implementation**

India Meteorological Department (IMD) and World Meteorological Organisation (WMO) jointly organized the 1st Regional Training workshop on Multi-Hazard Early Warning System (MHEWS) Interoperability Implementation at New Delhi during 9-13 December 2024.

The Inaugural Ceremony was held today, the 9th December, 2024 at Arnav Hall, Ministry of Earth Sciences and was inaugurated by Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences. The participants from nine countries including Maldives, Myanmar, Thailand, Sri Lanka, Pakistan, Nepal and Bhutan Indonesia, China are attending this training workshop along with national participants.

The objective of training is to train the National Meteorological and Hydrological Services (NMHSs) in South Asia on the interoperability and integration of early warning initiatives, programmes, and activities as feasible into a coordinated and sustainable, multi-hazard interoperable environment, to enhance the capacities of NMHSs. With the regional level collaboration and coordination, the participants will learn to develop a coordinated and sustainable, multi-hazard interoperable environment through:

- sharing good practices
- improve regional collaboration (e.g., among regional and national centres for guidance product, data, training etc.)
- maximizing available resources (e.g., computing, IT and manpower etc.)
- developing synergized standard operating procedures
- strengthen national institutional coordination and arrangements for MHEWS (to ensure national governance and commitment)
- sharing of data and products (in standards and formats) compatible to various systems to contribute to MHEWS interoperability
- integrate various services into one package
- minimization of number of warning bulletins and development of consolidated bulletin as per user's requirements

Dr. M. Mohapatra, in his address highlighted the role of interoperability, co-operation and collaboration among various agencies including meteorologists, hydrologists, modelling groups, disaster managers and social scientists in effective management of any meteorological hazard. He also informed the participants that the training programme would have more practical sessions than theoretical.

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Dr Ata Hussain, Chief Disaster Risk Division, WMO's Severe Weather Forecasting Programme and also the focal point for the MHEWS Interoperability Implementation training programme, in his special address wished all success to this training programme and also stressed upon the need of collaboration and cooperation for further improvement in the early warning services. He also wished that the participants would learn the procedure for effective management of severe weather events and implement the same in their respective countries.

Dr. M. Ravichandran, Secretary MoES in his inaugural address highlighted the role of various components of early warning system including observations, modelling, data exchange, warning products generation, preparation and dissemination. He highlighted the importance of human intervention above all technological and scientific advancements for development of informed decisions. He also stressed upon the development of multi-hazard, multi-disciplinary, multi-national and multi-regional early warning system for various severe weather events. He wished that all the participants would enrich themselves during the training.

At the end Dr AK Das presented the Vote of Thanks to all the participating delegates.

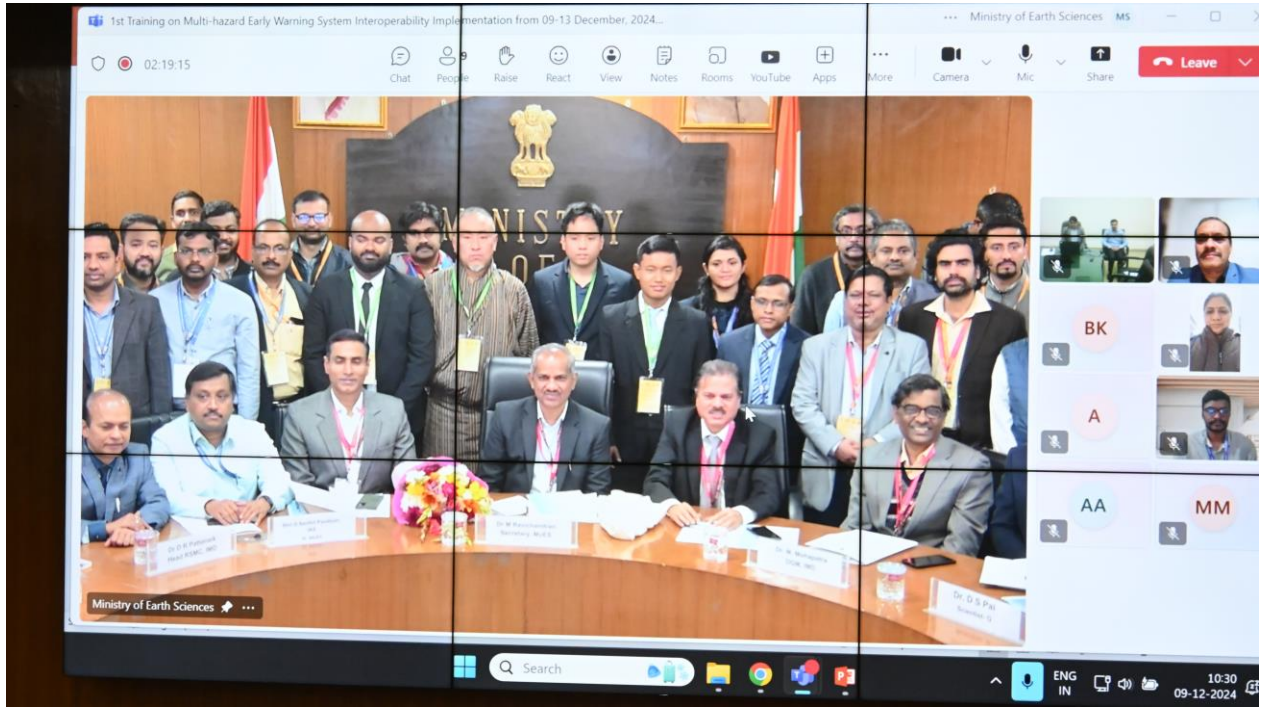
The inaugural ceremony was streamed live through:  
[https://youtube.com/live/ty\\_gysbGcaY?feature=share](https://youtube.com/live/ty_gysbGcaY?feature=share)

**The photographs during the event are given below:**



**Group photo of participants**

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**Participants from various countries attended the meeting online from South Asian countries.**



**Left: Director General of Meteorology Dr. M. Mohapatra felicitating Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences during the inaugural ceremony of the Severe Weather Forecasting Programme (SWFP) at the Regional Training Workshop on Multi-Hazard Early Warning System (MHEWS) and Interoperability Implementation.**

**Right: Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences, lighting the lamp to mark the commencement of the event.**

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