



# INDIA METEOROLOGICAL DEPARTMENT

Aerodrome Meteorological Office  
Regional Meteorological Centre, Nagpur



## Familiarization Course on thunderstorm monitoring to enhance the Aviation safety

### LECTURE SCHEDULE DURING 21-22 April,2025

#### Day-1 (Monday, 21<sup>st</sup> April 2025)

INAUGURATION		
Course Topics	Time (IST)	Speaker/Lecturer
Welcome address	11:00-11:05	Shri. R Balasubramanian, Sci-F & DDGM, RMC Nagpur
Introduction, Concept and Sole purpose of the training	11:05-11:10	Shri. Gajender Kumar, Sci-F & Head, CAMD, HQ New Delhi
Inaugural Speech	11:10-11:20	Dr. M. Mohapatra, DGM, IMD
LECTURES		
Climatology of Thunderstorms	11:20-11:55	Dr. Shashi Kant Mishra, Sci-D, NWFC New Delhi
Nowcasting of Thunderstorms	11:55-12:30	Shri. Pradeep Sharma, Sci-D, MC Ahmedabad
Thunderstorm over the Vidarbha region, Maharashtra	12:30-13:00	Smt. Latha Sridhar, Sci-D, MC Bangalore
<b>Lunch Break 13:00-14:00</b>		
Monitoring and Forecasting of TS using satellite over central India	14:00-14:45	Dr. Rizwan Ahmed, Sci-D, AMO Nagpur
Monitoring of unprecedented development of thunderstorms/hailstorms.	14:45-15:30	Shri. Ved Prakash Singh, Sci-D, MC Bhopal
Rapid Tool for Thunderstorm monitoring	15:30-16:15	Dr. Neeti Singh, Sci-C, CAMD New Delhi
Prognosis and diagnosis for forecasting thunderstorms.	16:15-17:00	Dr. Gayatri Vani, Sci-C, MC Raipur
Significance of Meteorological data in Air Navigation Services	17:00-17:45	Shri. Mekala Kishore Kumar, DGM(ATM), AAI Nagpur Airport

#### Day-2 (Tuesday, 22<sup>nd</sup> April 2025)

Course Topics	Time (IST)	Speaker/Lecturer
Climatology of Lightning over India & EWRf model	11:00-11:45	Dr. Trisanu Banik, Sci-D, New Delhi
Western disturbance-induced thunderstorm activity	11:45-12:30	Dr. Radheshyam Sharma, Sci.-D, MC Jaipur
HRRR Model for TS forecasting	12:30-13:00	Dr. Akhil Srivastav, Sci.-D, NWP New Delhi
<b>Lunch Break 13:00-14:00</b>		
Nowcast of convective storms over India by synergistic use of Satellite and spaceborne radars	14:00-14:40	Dr. Anoop Kumar Mishra, Sci-C, CAMD New Delhi
Radar based Nowcasting services for aviation safety	14:40-15:20	Dr Sreekanth T.S, Sci.-D DWR Nagpur
Convective activity over central India during pre-monsoon season	15:20-16:00	Dr Praveen Kumar Sci-C, RMC Nagpur
Aviation weather hazards and adaptation strategies	16:00-16:35	Dr G.P. Singh, Met-A, MTI Pune
Role of Meteorological data in Aviation Safety	16:35-17:10	Shri. Ajay Kumar Pathak, Ex In-charge ATC, Varanasi
Open discussion and feedback for future training	17:10-17:30	DDGM RMC Nagpur
Concluding remarks	17:30-17:45	IMS Bhopal, IMS Raipur, IMS Nagpur
Vote of Thanks	17:45-17:50	Dr. Rizwan Ahmed, Sci-D, AMO Nagpur

Regional Meteorological Centre,  
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