



## In This Issue

Important Events	p1
Significant Events	p2
MoU/Foreign Deputation	P3
HRD/Workshops/Meetings/ Conferences	P3-6
Trainings/Lectures/Talk	P6-7
Awareness Program/Achievement	P8- 10
राजभाषायी निरीक्षण	P11
Research & Publications	p11- 14
Media Interaction	P14
Visitors	P15
Weather Information	P16- 20

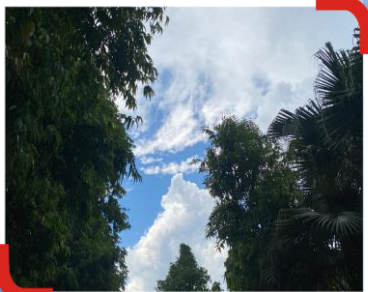
## IMD CELEBRATED ITS 151<sup>ST</sup> FOUNDATION DAY ON 15<sup>TH</sup> JANUARY 2026

The India Meteorological Department (IMD) marked its 151st Foundation Day on 15th January, 2026 with a strong focus on technological advancement, forecasting accuracy, and climate resilience. Hon'ble Union Minister of State (Independent Charge) for Science & Technology; Earth Sciences; and Minister of State for Prime Minister's Office, Personnel, Public Grievances and Pensions; Department of Atomic Energy and Department of Space, Dr. **Jitendra Singh** graced the occasion as the Chief Guest. On this occasion, Dr Jitendra Singh announced a major expansion of urban weather observation infrastructure, with 200 Automatic Weather Stations (AWS) to be installed across Delhi, Mumbai, Chennai, and Pune in 2026. This initiative aims to enhance hyper-local, real-time weather forecasting, enabling more accurate predictions of extreme weather events such as heavy rainfall, thunderstorms, and heatwaves. Improved data resolution will support critical sectors including disaster management, agriculture, aviation and urban planning.



Dr. Mrutyunjay Mohapatra, DG IMD, along with Dr. M. Ravichandran, Secretary, MoES, welcome Hon'ble Minister Dr. Jitendra Singh, Union Minister of State (Independent Charge), on the occasion of the Foundation day of the India Meteorological Department on 15<sup>th</sup> January, 2026. The Hon'ble MoS inaugurated the commemorative plaque, the model observatory, and the 3D-printed Automatic Weather Station, marking a significant milestone in IMD's journey of scientific innovation and public service.

Over the years, IMD has significantly improved its forecasting capabilities, with accuracy increasing by 40–50% and notable advancements in cyclone track prediction. The event highlighted IMD's continued commitment to innovation, public safety, and strengthening India's role as a regional leader in meteorological services. On this occasion, several key initiatives and publications were inaugurated and released by Hon'ble Minister Dr. Jitendra Singh, in the presence of Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences, and Dr. Mrutyunjay Mohapatra, Director General of IMD. These included the inauguration of the Plaque and Model Observatory featuring a 3D Printed Automatic Weather Station (AWS), the launch of KALP (Krishi Advisory based on Location-specific Weather Prediction) and SANKALP (Systematic Agrometeorological Analytics Knowledge and Advisory Enabling Platform), as well as the release of "Voices from the Field", the report on "Celebrations of 150 Years of IMD", and "Cyclonic Disturbances over the North Indian Ocean during 2025."



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## Significant Events

**MC Shillong, India Meteorological Department celebrated the 151<sup>st</sup> IMD Foundation Day** with active participation from students and an Open House programme for the public, held in the presence of media representatives on 15<sup>th</sup> January, 2026.



**MC Shillong, India Meteorological Department celebrated the 151<sup>st</sup> IMD Foundation Day**

**Inauguration of Digital Meteorological observatory at CAgMo, Pune by Dr. M. Mohapatra, DGM IMD** on 23/03/2026 in the presence of Head SID, Head CRS and other senior officials of IMD and Press.



**Inauguration of Digital Meteorological observatory at CAgMo, Pune by Dr. M. Mohapatra, DGM IMD**

**On 23rd March 2026, World Meteorological Day Celebration at Climate Research and Services, Pune, Volunteer explaining to visitors about the importance of accurate Weather Observation in weather forecasting.**



**23rd March 2026, World Meteorological Day Celebration at Climate Research and Services, Pune**

विश्व मौसम विज्ञान दिवस/ WMO DAY के अवसर पर दिनांक: 23/03/2026 को मौसम केंद्र अहमदाबाद में विशेष कार्यक्रम व प्रदर्शनी का आयोजन किया गया, जिसमें कॉलेज के विद्यार्थियों ने कार्यालय का शैक्षणिक भ्रमण किया। इस कार्यक्रम की जानकारी मीडिया को भी दी गई तथा इस आयोजन को मीडिया द्वारा कवर किया गया। इस अवसर पर डॉ. अशोक कुमार दास, वैज्ञानिक-एफ एवं प्रमुख, मौसम केंद्र अहमदाबाद ने विद्यार्थियों का स्वागत करते हुए उन्हें विश्व मौसम विज्ञान दिवस के महत्व के बारे में बताया। उन्होंने मौसम विज्ञान के समाज में योगदान तथा इसके उपयोग की जानकारी दी। कार्यक्रम के दौरान कार्यालय के अन्य अधिकारियों ने विद्यार्थियों को भारत मौसम विज्ञान विभाग के कार्यों, मौसम एवं जलवायु से संबंधित जानकारी तथा विभिन्न मौसम उपकरणों के उपयोग के बारे में विस्तार से समझाया। इस भ्रमण से विद्यार्थियों को मौसम विज्ञान के क्षेत्र की उपयोगिता और कार्यप्रणाली के बारे में महत्वपूर्ण जानकारी प्राप्त हुई।



**विश्व मौसम विज्ञान दिवस/ WMO DAY के अवसर पर दिनांक: 23/03/2026 को मौसम केंद्र अहमदाबाद में विशेष कार्यक्रम व प्रदर्शनी का आयोजन किया गया**



**विश्व मौसम विज्ञान दिवस/ WMO DAY के अवसर पर दिनांक: 23/03/2026 को मौसम केंद्र अहमदाबाद में विशेष कार्यक्रम व प्रदर्शनी का आयोजन किया गया**

## OUTREACH ACTIVITIES

**SID INSAT AWS lab** organised a Sensitisation Program on Weather Data, Early Warning Systems & Automated Weather Stations for Youth, Teachers, Panchayat Members in collaboration with NGO CHILD FUND India at Climate Research

Services, Pune on 25th February, 2026.



Youth, Teachers, Panchayat Members in collaboration with NGO CHILDFUND India at Climate Research Services, Pune on 25th February, 2026

MC Shillong celebrated the National Science Day 2026 with active participation from students from SSA School on 27.02.2026.



MC Shillong celebrated the National Science Day 2026

Science outreach activities conducted on 16 February 2026, at INSAT AWS & Radiation Lab Pashan for faculty members, Ph.D. scholars, and students from KJ Somaiya Institute of Technology Mumbai. The students were enriched with insights into IMD's role in weather forecasting, state-of-the-art meteorological instruments, national forecasting and climate services, polar meteorology, and the use of AI/ML in weather prediction models. A discussion was also held on career opportunities in meteorological sciences, which greatly benefited the participating students.



Faculty members and students from KJ Somaiya Institute of Technology Mumbai

National Science Day Celebration at Climate Research and Services, Pune, Volunteer explaining to visitors about the importance of accurate Weather Observation in weather forecasting on 28th February, 2026.



National Science Day Celebration at Climate Research and Services, Pune

## Memorandum of Understanding(MOU)

MOU signed between CWPRS & IMD, Pune on 22nd January, 2026 at CWPRS, Pune.



MOU signed between CWPRS & IMD, Pune on 22nd January, 2026 at CWPRS, Pune

IMD signed a Memorandum of Understanding with Holi Family Hospital to develop customised weather information for health workers as per their requirements on 16<sup>th</sup> March, 2026.

IMD signed a Memorandum of Understanding with NIDM for enhanced collaboration in capacity building initiatives on 19th March, 2026.

## Foreign Deputation

S. No	NAME	EVENT AND PLACE OF VISIT	FROM	TO	Fundin g by
1	Dr. SourishBandop adhyay, Scientist-D, RMC kolkata  Shri Radheyshyam Sharma, Scientist_D,	Regional Workshop on Impact-Based Forecasting (IBF): Training of Trainers (ToT) and National Demonstration Planning for Temperature-Related Hazards.	09.02. 2026	13.02. 2026	RIMES

	MC Jaipur				
2	Dr. M. Mohapatra, DGM	WMO PPE Workshop from 10 - 13 February, 2026, Tokyo, Japan	10.02.2026	13.02.2026	JMA
3	Dr. M. Mohapatra, DGM	16th session of the Consultative Meeting on High-level Policy on Satellite Matters	03.03.2026	04.03.2026	WMO
4	Shri Sanjay Bisht, Scientist-F, DGM New Delhi	Regional Dobson Intercomparison event at the JMA's Aerological Observatory in Tsukuba, Japan.	05.03.2026	25.03.2026	WMO

## Human Resource Development Activities

### WORKSHOPS

**Dr. M. Mohapatra**, DG IMD graced the inaugural function of the National Workshop on “Familiarization of Indian Ocean Land Atmosphere (IOLA) mesoscale coupled model to Advancing Severe Weather and Ocean Hazard Prediction” as the Guest of Honour organized by NIT, Rourkela at Bhubaneswar on 4th January, 2026.

**Shri Thangjalal Lhovum**, Scientist -D, MC Shillong went to tour for one day training on “Urban Environment Science to Society” at CDAC Pune and attending an International workshop at Cotton College University for the period 11.02.2026 to 14.02.2026.

**Smt. N. B. Nipane**, Met- B and **Shri S. D. Sangle**, Met -B attended the State Level Workshop on “Ensuring Sustainable Groundwater Management: National Aquifer Mapping Finding & Data Dissemination” on 17th February, 2026 at YASHADA, Pune.

**Shri S.D. Deshmukh**, Met -B attended a workshop named “SAKSHAM” organized by Pune, Knowledge Cluster and delivered a lecture on “Vector-borne diseases: Threat and management in India” during the period 05 and 06 March, 2026 at Sangli and on 20th, March, 2026 at Palghar.

**Shri Thangjalal Lhovum**, Scientist-D, MC Shillong and **Ms Aldarihun Nongkhlaw**, SA attended the Workshop and delivered a lecture on Disaster Risk Reduction for PWDs at MATI, New Shillong as a resource person on 20 March, 2026.

**Dr. Ashutosh Misra**, Scientist -E, participated in the workshop on “Review of Development of the Parcel-Level Agricultural Advisory System”, organized by the Maharashtra Project on Climate Resilient Agriculture under the Department of Agriculture, Government of Maharashtra, held at IIT Bombay, Mumbai, on 24<sup>th</sup> March, 2026.

**Dr. M. Mohapatra**, DG IMD participated as Guest of Honors in the valedictory function of the AI/ML Workshop Momentum

Partnership-2026, organized by NCMRWF at India International Centre, New Delhi on 25<sup>th</sup> March, 2026.

### MEETINGS

**Dr. Ashok Kumar Das**, Scientist -F, Met Centre Ahmedabad & **Sh. Pradeep Sharma**, Sc-D attended a meeting under the chairmanship of Relief commissioner regarding “ A Video Wall is being developed to enable rapid relief and rescue operations during disasters to reduce the severity & impact of the disaster” at SEOC Gandhinagar on 6th January, 2026.

**Dr. M. Mohapatra**, DG IMD participated in the online meeting with officials of Islamic Republic of Iranian Meteorological Organization (IRIMO) to review the Memorandum of Understanding (MoU) between IMD and IRIMO on 7<sup>th</sup> January, 2026.

**Shri Abhimanyu Chauhan**, Scientist -C attended an ASL meeting on visit of Hon’ble PM of India & Hon’ble Chancellor of Germany during 10-11 January 2026 at SVPI airport on 8<sup>th</sup>& 9<sup>th</sup> January, 2026.

**Dr. M. Mohapatra**, DG IMD participated in the Study-visit of the Committee on Government Assurances, Rajya Sabha at Regional Meteorological Centre, Mumbai for examination of the assurance given in the Rajya Sabha regarding “Installation of Doppler Weather Radars” during 9-10 January, 2026.

**Shri Thangjalal Lhovum**, Sc-D, MC Shillong, **Sh Rivertis Pariong**, Met-B, **Sh Satyendra Kumar**, Met-A, **Ms Rosie Lamthiankim**, SA and **Ms Aldarihun Nongkhlaw**, SA attended a meeting with the Hon’ble Governor of Meghalaya on 19 January, 2026. The Head of MC Shillong presented a detailed weather briefing and outlined the current initiatives and future plans of Meteorological Centre Shillong for the state of Meghalaya during the meeting.



Meeting with the Hon’ble Governor of Meghalaya

**Shri K.C. Sai Krishnan**, Scientist -G, **Shri. Rahul Saxena** Scientist-G, **Dr. O. P. Sreejith**, Scientist-F, **Shri. Uday K Shende** Scientist-F, **Dr. Satyaban B. Ratna**, Scientist -E and **Dr. Shijo Zachariya**, Scientist-E, attended the PreciSense-2026 National Workshop on Reliable Hydrometric Data through Precise Sensing ' on 22 January, 2026 at CWPRS, Pune.

**Dr. Ashutosh Misra**, Scientist -E, attended State-Level Technical Committee meeting under the Horticultural Crop Insurance Scheme, held under the chairmanship of the Director of Horticulture, Government of Maharashtra, in virtual mode on 23rd January, 2026.

**Sh. Pradeep Sharma**, Scientist -D and **Sh. Narendra V Patel**, Met-A attended the Post Monsoon inter-state meeting at Central Water Commission, Gandhinagar on 27<sup>th</sup> January, 2026 and Sh. Pradeep Sharma, Sc-D delivered a presentation on chief features of SW monsoon-2025

**Shri K.C. Sai Krishnan**, Scientist-G, participated in a virtual meeting on 3<sup>rd</sup> February, 2026 with **Ms. Scini Vijayachandran**, Assistant Vice President – Multi Commodity Exchange (MCX), Mumbai. The discussions focused on data availability (observation centres, historical data coverage, continuity), data frequency and time intervals, data transmission mechanisms and systems, and other technical and operational aspects necessary for index development.

**Dr. Mrutyunjay Mohapatra**, DG IMD had a meeting with **Dr. Lung-Jieh Yang**, Director of Science and Technology Division, Taiwan Embassy to discuss about collaborations between 2 agencies on 6<sup>th</sup> February, 2026.

**Dr. Mrutyunjay Mohapatra**, DG IMD along with team of Scientists at Agro-meteorological Division of IMD had a meeting with officials of United Nations Development Programme (UNDP) and National Bank for Agriculture and Rural Development (NABARD) regarding dissemination of weather forecast through Data in Climate Resilient Agriculture (DiCRA) on 6<sup>th</sup> February, 2026.

**Prof. Dev Niyogi**, University of Texas, Austin visited the IMD on 16th February, 2026. **Dr. Mrutyunjay Mohapatra**, DG IMD along with other senior scientists of IMD had a meeting with the visiting professor to further explore the role of AI in weather forecasting.

**Dr. Mrutyunjay Mohapatra**, DG IMD along with senior officers of IMD had a meeting with Weathernews Inc (WNI) Team for efficient advancement and finalization of the proposed Memorandum of Understanding (MoU) and the implementation agreements for possible collaborative projects, including data sharing/ exchange, AI forecasting and “Forecast Make in India” on 18th February, 2026.

**Dr. Mrutyunjay Mohapatra**, DG IMD participated in the South Asia HydroMet Forum (SAHF)- Hydrology Working Group Meeting, at Hyaat Regency, New Delhi on 23<sup>rd</sup> February, 2026.

**Sh. Pradeep Sharma**, Scientist-D attended a meeting regarding “**Digital Monitoring of Agriculture, Crop Acreage and Production Estimation for Gujarat State using Remote Sensing, GIS and Other Technologies**” at New Sachivalaya Gandhinagar on 24<sup>th</sup> February, 2026.

**Dr. M. Ravichandran**, Secretary, Ministry of Earth Sciences and **Dr. Mrutyunjay Mohapatra**, DG IMD participated in the Steering Committee Meeting of the South Asia Flash Flood Guidance System on 24<sup>th</sup> February, 2026.

**Scientists at IMD New Delhi**, under the chairmanship of **Dr. Mrutyunjay Mohapatra**, DG IMD, held a meeting with the Google team on 26th February, 2026 to discuss the way forward towards signing a Memorandum of Understanding between the two agencies for the development of the Google DeepMind AI model for forecasting the track and intensity of cyclones over the North Indian Ocean.

**Dr. M. Mohapatra**, DG IMD participated in the 16th Session of the Consultative Meeting on High Level Policy on Satellite Matters during 2-6 March, 2026 organised by WMO in Geneva.

**Dr. Praveen Kumar**, Scientist-C at RMC Nagpur of the India Meteorological Department attended a stakeholder meeting at Washim Collectorate office and presented a talk on the topic “IMD Forecasting and Early Warning Services for Heatwave, Lightning and Flood Risk” on 13<sup>th</sup> March, 2026.



“IMD Forecasting and Early Warning Services for Heatwave, Lightning and Flood Risk” on 13<sup>th</sup> March 2026

**Dr. M. Mohapatra**, DGM IMD, Co-Chair participated in the quarterly call meeting of Joint Collaborative Board of WMO and Intergovernmental Oceanographic Commission (WMO-IOC), Quarterly call planning on 16th March, 2026 online.

**Dr. M. Mohapatra**, DGM IMD participated in the meeting with the Governing Body of AIC-SOA Foundation through VC on 19th March, 2026.

## CONFERENCE

मौसम केंद्र अहमदाबाद के कर्मचारी श्री श्रीनिवास डी पाटिल, एचएसडब्ल्यू-1 ने दिनांक 20-01-2026 को देवी अहिल्या विश्व विद्यालय, इंदौर (मध्य प्रदेश) में आयोजित मध्य, पश्चिम, दक्षिण व दक्षिण-पश्चिम क्षेत्रों (04 क्षेत्र) के संयुक्त क्षेत्रीय राजभाषा सम्मेलन में भागया।



श्री श्रीनिवास डी पाटिल, एचएसडबल्यू-1 ने दिनांक 20-01-2026 को देवी अहिल्या विश्व विद्यालय, इंदौर (मध्य प्रदेश) में आयोजित मध्य, पश्चिम, दक्षिण व दक्षिण-पश्चिम क्षेत्रों (04 क्षेत्र) के संयुक्त क्षेत्रीय राजभाषा सम्मेलन में भाग लिया।

**Dr. Ashok Kumar Das**, Scientist -F & Head, Met Centre Ahmedabad and Sh. Ramashray Yadav, Sc-D attended a meeting under chairmanship of Shri Sujeet Kumar, Collector Ahmedabad regarding " Allotment of Govt. Land for Office, installation of DWR under Mission Mausam & other related purposes" at District Collector's Office, Ahmedabad on 23rd January 2026.

**Islamic Republic of Iranian Meteorological Organisation (IRIMO)** organised 6th International Conference on Persian Gulf Oceanography during 27th and 28th January, 2026. IMD sent a recorded message from **Dr. M. Mohapatra**, DG IMD for the inaugural ceremony of the conference. The PR of IRIMO to WMO and the organisers of the conference sent appreciation for the same.

**Shri Abhimanyu Chauhan**, Scientist -C and **Sh. Yogesh D Bijani**, S.O.-I participated in Indian Space Weather Conference (ISWC-4) at Physical Research Laboratory, Ahmedabad during 29-30 January 2026 & installed a exhibition stall explained to visitors about working principles of various meteorological instruments & procedures to take both surface & upper air observations.



**Shri Abhimanyu Chauhan**, Scientist -C and **Sh. Yogesh D Bijani**, S.O.-I participated in Indian Space Weather Conference (ISWC-4)



Exhibition stall at Physical Research Laboratory, Ahmedabad during 29-30 January 2026

**Dr. Mrutyunjay Mohapatra**, DG IMD participated for AI for Ocean during the AI Summit 2026 organised by the Government of India on 17th February, 2026.

**Dr. Ashutosh Misra**, Scientist – E, participated in the AI4 Agri Global Conference & Investor Summit 2026 at the Jio World Convention Centre, BKC, Mumbai organized by Agriculture Department, Government of Maharashtra in partnership with several leading institutions such as The World Bank, Asian Development Bank (ADB), FAO, IFC and IFAD during 22–23 February, 2026.

**Dr. Somnath Mahato**, PS III, presented a paper and attended 8th Conference on India Radar Meteorology (IRAD 2026), held at Guwahati during 07 – 09 January, 2026.

## TRAININGS

### CAPACITY BUILDING BY METEOROLOGICAL TRAINING INSTITUTE, PUNE

Following training courses are imparted to IMD officials and also to Officers from other departments on regular basis under Capacity Building by Meteorological Training Institute, Pune.

- Advanced Meteorological Training Course (AMTC)
- Forecasters' Training Course (FTC)
- Integrated Met Training Course (IMTC)
- Direct Recruited Scientists Training Course (DRSTC)
- Modular Training Course (MTC)

**Shri Partik Kumar**, SA and **Shri Dheeraj Chaudhary**, SA went on tour regarding onsite training on system operation and first level fault identification at DWR Jorhat for the period 26.01.2026 to 30.01.2026 in the interest of public service.

**SID CRS Pune, MNCFC, and Crop Insurance Division Department of Agriculture and Farmers Welfare, Govt. of India** jointly organised Training on Automatic Weather Station (AWS) & Automatic Rain Gauge (ARG) for WINDS implementation under PMFBY during 29 - 31 January, 2026.



**Training on Automatic Weather Station (AWS) & Automatic Rain Gauge (ARG) for WINDS implementation under PMFBY during 29 - 31 January, 2026**

**IMD Scientists Participated in the one-day training program on UES2S- URBAN ENVIRONMENT SCIENCE TO SOCIETY**, organised by the Centre for Development of Advanced Computing (C-DAC) Pune, held on 12th February, 2026.



**Training program on UES2S- URBAN ENVIRONMENT SCIENCE TO SOCIETY, organised by the Centre for Development of Advanced Computing (C-DAC)**

**Shri Thangjalal Lhouvum**, Scientist-D MC Shillong went to tour to Vijayawada, Andhra Pradesh for five-day National level Training programme on “Post Disaster Recovery and Reconstruction” at National Institute of Disaster Management, South Campus for the period 23.02.2026 to 27.02.2026.

**Team of 18 officers from Indian Air Force, Indian Army and Uganda Air Force** visited IMD for a Study Tour on familiarisation of activities of IMD as Regional Specialised Meteorological Centre-Tropical Cyclones for North Indian Ocean region on 25th February, 2026. Dr. M. Mohapatra, DG IMD delivered the Inaugural Address of the training programme. The participating officers visited various operational divisions of IMD.

**Students from Bharati Vidyapeeth’s College of Engineering, Lavale Pune, done Internship** under the guidance of B Sudarsan Patro, Scientist-E, on IOT, Embedded systems, sensors, and storage in Automatic Weather Station(AWS) at INSAT AWS lab Pashan during February 2026.



**Students from Bharati Vidyapeeth’s College of Engineering, Lavale Pune, done Internship at INSAT AWS lab Pashan during February 2026.**

## LECTURES/TALK

**Dr. Satyaban B Ratna**, Scientist-E, delivered a lecture “IMD Products for Flood Forecasting and Early Warning” to officials of the Central Water Commission (Ministry of Jal Shakti) from various states across the country, who visited CRS Pune as part of their training programme at the National Water Academy, Pune, on 7th January, 2026.

**Shri B. Sudarsan Patro**, Scientist -E, delivered a talk on Collaborative Station Learning for Rainfall Forecasting on 09 January 2026 at CRS Pune.

**Dr. Satyaban B Ratna**, Scientist-E, delivered a talk (online) on “Climate Services for Hydrometeorological Extremes in the Himalayan Region” at the National Workshop on “Hydro-meteorological Extreme Events in the Himalayas (HEEH-2026)”, held at CSIR-4PI, Bangalore, during 15–16 January, 2026.

**Dr. Ashutosh Misra**, Scientist -E, Delivered a lecture on “Services Provided by the India Meteorological Department (IMD) in the Agricultural Domain” to the students of Navsari Agricultural University, Navsari, Gujarat, during their academic visit to the CR&S Office, IMD Pune, on 21st January, 2026, an expert lecture on “Innovative Agrometeorological Forecasts and Advisories for Climate-Smart Agriculture” in a National Webinar organized by IGNOU Regional Centre, Pune, in collaboration with IGNOU Regional Centres at Bhopal, Jabalpur, Mumbai, Nagpur, and Panaji, on 29th January, 2026 and a lecture on “Soil Sensors in AgroAWS” to officers of the Ministry of Agriculture and Farmers’ Welfare as part of the training programme on “AWS/ARG for the WINDS Project” organized by the Surface Instrument Division, IMD Pune on 30 January, 2026.

**Dr. Satyaban B Ratna**, Scientist - E, delivered an invited lecture on “Climate Services for Water Resources Management” at the training programme on Climate Modeller’s Toolkit for Water Resources Management, organised by the National Institute of Hydrology (NIH), Roorkee, on 3 February, 2026.

**Dr. O. P. Sreejith**, Scientist- F, delivered a lecture on “Observed Climate Change over the Indian Region” on 6th February, 2026 in Carmel Vidya Bhavan Trust’s Christ College Pune.

**Dr. Jaya Dhami Parihar**, Scientist – D, delivered a lecture on “Introduction to the Activities of Agricultural Meteorology Division” on the visit of final year B. Sc. (Hons) Agriculture I Batch students of College of Agriculture, UAS, Raichur to CR&S Pune on 3rd February, 2026 and a lecture on “Operational Activities of Agricultural Meteorology Division” the visit of B. Tech. (Ag. Engg.) students of College of Agricultural Engineering, Raichur at CS&S Pune on 16th February, 2026.

**Dr. Satyaban B Ratna**, Scientist - E, delivered an invited lecture on “Climate Applications and User Interface Approaches in Agricultural Meteorology” as part of the National Training Programme on Application of Remote Sensing and GIS in Agricultural Meteorology, organized by CAFT, College of Agriculture, Pune, on 9th February, 2026.

**Dr. Satyaban B Ratna**, Scientist -E, attended the World Ocean Science Congress (WOSC2026) at NIO, Goa, during 23-25 February, 2026 and delivered an invited talk on "Role of Multi-Climatic-Driver Interactions in Monsoon Variability over South Asia".

**Dr. O. P. Sreejith**, Scientist- F, delivered a lecture on “The State of Climate in 2025 – A Global and Regional Perspective” in one-day Colloquium on Urban Climate Change: Science, Impact Risks, and Policy Responses on 28th February, 2026 at C-DAC Pune.

**Shri B. Sudarsan Patro**, Scientist- E, presented an invited talk on the topic “Field to Forecast: IMD’s Agro Automatic Weather Station Network” at IITM Pune on 9th March, 2026, at the BIRD and IITM collaborative training program on the theme “Leveraging Climate Data for designing climate change interventions”.

**Dr. Ashutosh Misra**, Scientist -E, delivered an invited lecture on “Agrometeorological Advisory Services for Climate Risk Management: Applications, Dissemination and Institutional Opportunities” during the training programme on “Leveraging Climate Data for Designing Climate Change Interventions” jointly organized by the Bankers Institute of Rural Development (BIRD), Lucknow, and Indian Institute of Tropical Meteorology (IITM), Pune, conducted at IITM Pune on 11th March, 2026.

**Dr. Jaya Dhami Parihar**, Scientist- D, delivered lectures on “Evaporation, Evapotranspiration and Agroclimatic Classification” and “Agricultural Drought, Drought Monitoring and Planning” through virtual mode to IMTC batch No 22 on 13th March, 2026.

**Dr. Sakha Sanap**, Scientist-D, delivered a lecture online on "Significance of the weather forecasting in a changing climate organized by the ENVIS (Environmental Information System (ENVIS) Centre on Atmospheric Pollution & Climate Change. IITM, Pune on the occasion of WMO day on 24th March, 2026.

दिनांक 19.02.2026 को श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-11/ राजभाषा संपर्क अधिकारी द्वारा अवर श्रेणी लिपिक प्रशिक्षण में राजभाषा से संबंधित विषय पर व्याख्यान दिया गया।

दिनांक 24.02.2026 को प्रादेशिक मौसम केंद्र, नई दिल्ली द्वारा आयोजित हिंदी कार्यशाला में श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-11/ राजभाषा संपर्क अधिकारी द्वारा व्याख्यान दिया गया।

मुख्यालय द्वारा दिनांक 13 मार्च 2026 को ई-हिंदी कार्यशाला का आयोजन किया गया। जिसमें मुख्यालय सहित देशभर में फैले विभिन्न उपकार्यालयों के लगभग 113 कर्मिकों ने भाग लिया। इस कार्यशाला में श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-11, श्री सचिन कादयान, कनिष्ठ अनुवाद अधिकारी तथा सुश्री गुंजन त्यागी, कनिष्ठ अनुवाद अधिकारी ने व्याख्यान दिए।

## AWARENESS PROGRAM

Impact based forecast (IBF) for Agriculture (Heavy Rainfall/Heavy Snowfall/Thunderstorm with Gusty winds/Cold wave/Ground Frost/Hailstorm/Heat Wave) and Agromet Advisories based on the IBF have been issued for different districts of various States and UTs across the country in co-ordination with NWFC, New Delhi, RMCs/MCs, AMFUs and DAMUs during the quarter. During the quarter 46 Farmers awareness programmes (FAPs) were organized across the country.



FAP conducted by AMFU, Kakdwip at Shambasurchawak village, Kulpi block, South 24-Parganas, West Bengal on 7th January 2026



FAP conducted by AMFU, Sabour at Rajandipur village, Sabour Block, Bhagalpur District, Bihar on 09th February 2026



FAP conducted by AMFU Arnej at Goradka Village, Gadadha block, Botad District, Gujarat on 28th March 2026

MC Shillong Office organised one day online Farmers Awareness Programme (FAP) on the topic "Weather and Climate in relation to crops" on 19.02.2026 in collaboration with ICAR Barapani and ICAR-CPRI Shillong.

Ms. Rosie Lamthiankim, SA, Shri Partik Kumar, SA and Shri Dheeraj Chaudhary, SA went on tour for participation in the exhibition "National Space Science Symposium-2026" from 23rd-27th February, 2026 at North Eastern Space Applications Centre, Umiam, Ri-Bhoi, Meghalaya sponsored by Ministry of Earth Sciences.



Exhibition "National Space Science Symposium-2026"

Shri Thangjalal Lhouvum, Sc-D, MC Shillong, Rivertis Pariong, Met-B and Shri Satyendra Kumar, Met-A attended the Multi state level Mock Exercise on Earthquake scenario conducted by

the Meghalaya SDMA in collaboration with NDMA on 06.02.2026 and 09.02.2026.



Multi state level Mock Exercise on Earthquake scenario



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मौसम केंद्र अहमदाबाद में दिनांक: 25/03/2026 को वार्षिक दिवस उत्सव का सफलतापूर्वक आयोजन किया गया। इस अवसर पर कई खेल एवं मनोरंजक गतिविधियां आयोजित की गयीं। जिसमें अधिकतर स्टाफ द्वारा इसमें बढ़-चढ़ कर भाग लिया गया।



मौसम केंद्र अहमदाबाद में दिनांक: 25/03/2026 को वार्षिक दिवस उत्सव का सफलतापूर्वक आयोजन किया गया

मौसम केंद्र अहमदाबाद कार्यालयके अधिकारियों श्री एच आर पुरोहित, मेट-ए, श्री एम जे पनारा, मेट-ए, श्री एन आई सुतारिया, मेट-ए व श्री विपुल प्रजापति, वै.स. द्वारा दिनांक: 27 मार्च से 29 मार्च 2026 तक गुजरात साइन्स सिटी द्वारा आयोजित साइन्स कार्निवल 2026 में एक प्रदर्शनी का आयोजन किया गया।



दिनांक: 27 मार्च से 29 मार्च 2026 तक गुजरात साइन्स सिटी द्वारा आयोजित साइन्स कार्निवल 2026 में एक प्रदर्शनी का आयोजन किया गया।

## ACHIEVEMENTS/AWARDS

### IMD Awards

On the proud occasion of IMD Foundation Day, IMD recognized the outstanding contributions of employees through the **Best Employees Awards for the Year 2025**.

These awards celebrate individuals who have demonstrated exceptional dedication, professionalism, innovation, and commitment to excellence in their respective roles. Their hard work and achievements have significantly contributed to the growth, success, and reputation of the organization.

### Best Employees Awards – 2025



S. No.	Category	Name of the officials & designation	Office/Division/Place of posting
1.	Group 'A' Officer (Certificate of Merit)	Dr. Akhil Srivastava, Sc. D	DGM HQ-NWFC
2.	Group B Officer (Gazetted-Scientific)	Sh. Zeeshan Hashmi, Met.A	(CATC Bamraulli)
3.	Group B Officer (Non-Gazetted-Scientific)	Sh. Sachin Bhardwaj, S.A Ms. Akanksha Sharma, S.A	(DGM HQ-Rectt. Cell) (MC Dehradun)
4.	Group B officer (Non-Gazetted-Non-Scientific)	Sh. Deepak Kumar, Assistant, Sh. Harpreet Singh, Steno-II	DGM HQ-E-II Attached with MOES
5.	Group C Staff	Sh. Gaurav, UDC Sh. Sunil P. Dhawale, MTS Sh. Anand Kumar Jha	DGM HQ-GS Bills RMC Nagpur
6.	DRM/Safai Worker	Sh. Shyam Ms. Gita Rani Biswas	DGM HQ (Budget & Planning) DGM HQ (DGM Sectt.) PAC Kolkata
7.	Project Scientist/Research Associate	Dr. V. Guhan, Project Scientist	MC Hyderabad

### Team Award Categories

S.No.	Category	Awarded to
1.	Development Initiative (Team Award)	Decision Support System (DSS) Team Singh, A.K.; Singh, S.K.; Srivastava, P., Jain, A., 2025, "Angstrom-Prescott, Artificial and Convolutional neural network radiation model over North India", EARTH SCIENCE INFORMATICS, 18,1. DOI10.1007/s12145-024-01618-7
2.	Research Publication (Team Award)	

### Institutional/ Functional Award Categories

1.	Best RMC/MC	MC Agartala
	Best Operational	
2.	Meteorological Office (AMO/MWO/AMS)	AMO Nagpur
3.	Best Doppler Weather Radar (DWR) Station	DWR Kolkata
4.	Best Meteorological Observatory (MO)	TMO Kupwara
5.	Best RS/RW Unit	RS/RW Visakhapatnam
6.	Best Radiation Unit	Radiation Unit Mangalore

IMD feels proud to announce that its employees participated in Inter Ministry Music, Dance and Short Play Competition 2025-26 organized by Central Civil Services Cultural & Sports Board (CCSCSB) (DoPT) and the following officials won medals:

Name of event	Name of winners	Position/Medal acquired
Short Play	Sh. S. S. Negi	Best Production – Silver
	Sh. Radhey Shyam	Best Actor & Direction – Gold & Silver
	Ms. Kanchan	Best Actress (Supporting Role) – Gold
	Ms. Vandana	Best Actress – Bronze
	Ms. Jayitri Sen	Best Child Actor – Bronze
	Ms. Anjali Rawat	3rd Prize (Bronze)

**B. Sudarsan Patro**, Sc. 'E', received a Certificate of Appreciation from the Journal of Agrometeorology, Association of Agrometeorologists, Anand, Gujarat, India, in recognition of his outstanding contribution in peer reviewing research articles towards the quality of publication of the Journal of Agrometeorology during January 2026.

**Dr. Somnath Mahato**, PS III, was awarded the IEEE Senior Member of the Year by the IEEE Pune Section on 10 January 2026.

The 6<sup>th</sup> Digital Transformation Summit Award was conferred upon IMD for Multi-Hazard Early Warning Decision Support System Invitation on 16<sup>th</sup> January. Dr. Mohapatra also participated as Key Speaker in the Panel discussion on "GovTech 2.0: Using AI, Blockchain & IoT for Predictive and Proactive Governance" during the summit.

IMD received The Economic Times GovTech Award 2026 for the category "Disaster Management & Public Safety Tech Award" for the "Multi-Hazard Early Warning Decision Support System (MHEW-DSS) on 19th March, 2026.

**Dr. Sakha Sanap**, Scientist-D, was awarded with **S.K. Ghosh Memorial Young Scientist** award in the field of Meteorology and allied sciences by the Indian Meteorological Society, Kolkata chapter on 23rd March, 2026.

**Dr. Praveen Kumar**, Scientist-C, was felicitated by the Director of Centre for Development of Advanced Computing, Pune, during a one-day training programme on the Integrated Urban Modelling System.



माननीय संसदीय राजभाषा समिति की दूसरी उपसमिति द्वारा मौसम कार्यालय, जम्मू का दिनांक 26.02.2026 को निरीक्षण किया गया।

पर्यटन मौसम कार्यालय, कटरा का दिनांक 27.02.2026 को मुख्यालय से श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-II/ राजभाषा संपर्क अधिकारी और श्री सचिन कादयान, कनिष्ठ अनुवाद अधिकारी द्वारा राजभाषा संबंधी भौतिक निरीक्षण किया गया और दिशा-निर्देश दिए गए।

भारत मौसम विज्ञान विभाग के राजभाषा अनुभाग की श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-II/ राजभाषा संपर्क अधिकारी द्वारा 12 अधीनस्थ कार्यालयों का राजभाषायी ई- निरीक्षण किया गया। ई-निरीक्षण के दौरान कनिष्ठ अनुवाद अधिकारी श्री सचिन कादयान भी उपस्थित रहे।

## राजभाषायी निरीक्षण

माननीय संसदीय राजभाषा समिति की दूसरी उपसमिति द्वारा दिनांक 21.01.2026 को मौसम केंद्र- जोधपुर का जैसलमेर में राजभाषायी निरीक्षण किया गया जिसमें मुख्यालय से श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-II/ राजभाषा संपर्क अधिकारी ने भाग लिया। सुश्री गुंजन त्यागी, कनिष्ठ अनुवाद अधिकारी सहयोग के लिए उपस्थित रहीं। निरीक्षण सफल व संतोषजनक रहा।



माननीय संसदीय राजभाषा समिति की दूसरी उपसमिति द्वारा दिनांक 21.01.2026 को मौसम केंद्र- जोधपुर का जैसलमेर में राजभाषायी निरीक्षण किया गया

माननीय संसदीय राजभाषा समिति की दूसरी उपसमिति द्वारा मौसम कार्यालय, जम्मू का दिनांक 26.02.2026 को निरीक्षण किया गया। मुख्यालय से डॉ. विजय कुमार सोनी, वैज्ञानिक 'जी', श्रीमती अंजना मन्हास, प्रशासनिक अधिकारी-II/ राजभाषा संपर्क अधिकारी उपस्थित रहे। सहयोग के लिए श्री सचिन कादयान, कनिष्ठ अनुवाद अधिकारी उपस्थित रहे।

## Research & Publications

Twenty (21) research articles have been published in Special Issue on "National Symposium on 75 years of Accomplishments of Mausam" Vol. 76 No. 4 (2025):

### Research papers by IMD officials published in Mausam

Kumar, Vivek; Devara, Panuganti C. S.; Soni, Vijay Kumar, "Spatiotemporal variations in black carbon aerosol concentration and its correlation with meteorological parameters and other pollutants in India", *Mausam*, 77, 1, DOI:10.54302/cj91dh35

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Shankar, Anand; Sahana, Bikash Chandra; Chug, Sunny, "Development of Machine Learning Models for the Nearcasting of the duration of low-visibility events in the Indo-Gangetic plains regions of India", *Mausam*, 77, 1, DOI:10.54302/q6zxb08.

Ahmed, Mukhtar; Lotus, Sonam; Tomar, Chander Singh; Singh, Shivinder, "A study on precipitation trends and drought

climatology over Jammu & Kashmir, India: 1980-2020", *Mausam*, **77**, 1, DOI:10.54302/pjz1qy90.

Khedikar, Shirish; Panchabhai, Swapnil; Kumar, G. Santhosh; Biswas, Tufleuddin; Umashankar, Meera; Mishra, Pradeep, "Assessing climate variability impacts on the productivity of major crops; in Krishna District, Andhra Pradesh (1997-2020)", *Mausam*, **77**, 1, DOI:10.54302/cv806219.

Ray, Dipanjali; Roy, Tanusree Deb; Laskar, Sebul Islam, "A study on precision of statistical models of temperature in various zones of Assam", *Mausam*, **77**, 1, DOI:10.54302/zn4ewx26.

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**Research papers by IMD officials published in Extra Departmental (National/ International) Journals**

Pattanaik, D. R.; Johnny, C. J.; Amat, Hemadri Bhusan; Alone, Ashish; Gupta, Ankur; Mishra, Akhilesh, "Multi-model ensemble-based extended range forecasts based on IMD's and NCMRWF's operational modelling systems", *Journal of Earth System Science*, **135**, 1, DOI:10.1007/s12040-026-02736-0.

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Mishra, Anoop Kumar, "Capturing intense rainfall bursts: a remote sensing perspective on temporal and spatial resolution effects", *Remote Sensing Letters*, **17**, 4, DOI:10.1080/2150704X.2026.2644230.

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#### MEDIA INTERACTION

Team from DD Kisan interviewed **Dr. Mrutyunjay Mohapatra**, DG IMD on 27th February, 2026 regarding the heat wave conditions during ensuing summer season and its impact on crops.

**India Meteorological Department organised monthly Press Conference on Outlook for the Seasonal Temperatures during the Hot Weather Season (March to May) on 28th February. Dr. Mrutyunjay Mohapatra, DG IMD addressed the media live. The highlights of the Press Release issued in this regard are presented below:**

- During the upcoming hot weather season (March to May (MAM)), above-normal maximum temperatures are very likely over most parts of the country, except over some parts of Northwest and central India where

normal or below-normal maximum temperatures are very likely.

- During the season (MAM), above-normal minimum temperatures are very likely over most parts of the country except some parts of South Peninsular India and isolated regions of the remaining parts of the country where normal to below normal minimum temperatures are likely.
- During March 2026, monthly maximum temperatures are likely to be normal to below normal over many parts of India, except northeast India, adjoining east India and some parts of Western Himalayan region and central & Peninsular India, where above normal maximum temperatures are likely.
- Above normal monthly minimum temperatures are likely over most parts of the country except some parts of Northwest India, South Peninsula and along east coast, where normal to below normal minimum temperatures are likely during March 2026.
- Above-normal number of heatwave days are likely over most parts of east and eastcentral India, many parts of southeast Peninsula and some parts of the northwest and westcentral India during March to May (MAM) 2026.
- Above-normal heatwave days are likely over isolated regions of Gujarat & Andhra Pradesh during March 2026.
- During March 2026, normal to above-normal rainfall is likely over many parts of the country except northeast India and some parts of northwest and eastcentral India where the below normal rainfall is likely.
- Detailed Press Release is available on IMD website ([www.mausam.imd.gov.in](http://www.mausam.imd.gov.in)) at LRF Outlook for Second Half of SW Monsoon Season: 2010.

**India Meteorological Department organised monthly Press Conference on seasonal outlook for temperature during April to June and monthly outlook of rainfall and temperature for April 2026 on 31<sup>st</sup> March, 2026. Dr. M. Mohapatra addressed media live. The highlights of the Press Conference are presented below:**

- During the 2026 hot weather season (April–June), maximum temperatures are likely to be normal to below normal over many parts of the country except most parts of east and northeast India, as well as eastern parts of central India and adjoining peninsular regions where above-normal maximum temperatures are expected.
- During the season (AMJ), above-normal minimum temperatures are likely over most parts of the country except some regions of Maharashtra and Telangana where normal to below normal minimum temperatures are likely.
- During April 2026, monthly maximum temperatures are likely to be normal to below normal over many parts of the country. However, above-normal maximum

temperatures are expected over many parts of east and northeast India and some parts of northwest India and southern peninsular India.

- Above-normal monthly minimum temperatures are most likely over most parts of India, except some isolated pockets over south peninsula where normal minimum temperatures are likely during April 2026.
- Above-normal number of heatwave days are likely over some parts of east, central & northwest India and southeast Peninsula during April to June (AMJ) 2026.
- During April 2026, Above-normal heatwave days are likely over many parts of coastal areas of Odisha, West Bengal, Tamil Nadu, Puducherry and Andhra Pradesh and isolated regions of Gujarat Maharashtra and Karnataka.
- The rainfall during April 2026, averaged over the country as a whole, is most likely to be above normal (>112% of LPA). Normal to above-normal rainfall is likely over most parts of the country except Northeast India. Below-normal rainfall is expected over many parts of northeastern India.
- The detailed press release is available at LRF Outlook for Second Half of SW Monsoon Season: 2010 (imd.gov.in)

## VISITORS

150 no. of students along with 3-4 faculty members from VPMP Polytechnic College visited **Met Centre Ahmedabad** for educational purpose on 29th January 2026. Sh. Pradeep Sharma, Sc-D familiarized them with various weather services rendered by MC Ahmedabad and **Sh. H R Purohit, Met A, Sh. N V Patel, Met-A, Sh. Nikul Darji, Met-A & Sh. Indrajeet Jakhar, S.A.** explained them working principles of various meteorological instruments & procedures to take both surface & upper air observations.



VPMP Polytechnic College visited Met Centre Ahmedabad



VPMP Polytechnic College visited Met Centre Ahmedabad

Around 250 students along with 3 teachers from KV EAC visited MC Shillong office on 9-11 February 2026 for an educational exposure program on weather observation and forecasting activities.



Students and Teachers of KV EAC visited MC Shillong

मौसम केंद्र अहमदाबाद में Modasa Govt. Engineering College के लगभग 25 विद्यार्थियों द्वारा दिनांक: 11 मार्च 2026 को कार्यालय में शैक्षणिक दौरा किया गया।



मौसम केंद्र अहमदाबाद में Modasa Govt. Engineering College के विद्यार्थियों द्वारा शैक्षणिक दौरा किया गया।

Officials of the Government of Rwanda on 20 March 2026 visited our CRS office as part of their training program at the National Water Academy, Pune. The officials interacted with the Scientists working at CRS office



Officials of the Government of Rwanda on 20 March 2026 visited our CRS office

## WEATHER INFORMATION

### OUTLOOK FOR THE SEASONAL TEMPERATURES DURING THE HOT WEATHER SEASON (MARCH TO MAY) AND MONTHLY RAINFALL AND TEMPERATURES DURING MARCH 2026

#### Rainfall

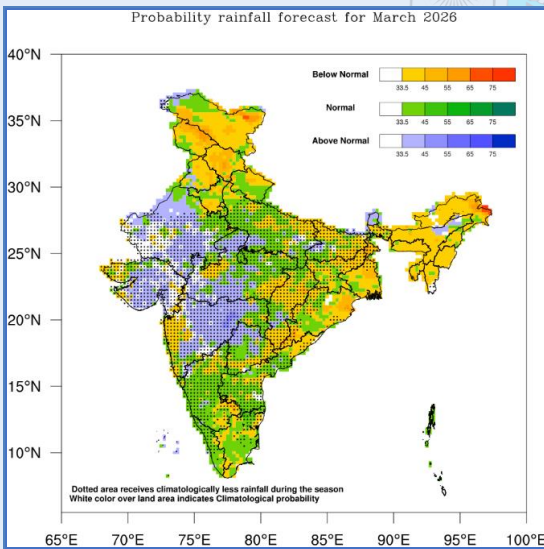


Fig.1. Probability forecast of tercile categories\* (below normal, normal and above normal) for the rainfall over India during March 2026

The rainfall during March 2026, averaged over the country, is most likely to be normal (83-117% of LPA). The LPA of rainfall over the country during March, based on data from 1971 to 2020, is about 29.9 mm.

The probabilistic forecast for the spatial distribution of tercile rainfall categories (above normal, normal, and below normal) over the country for March 2026 is shown in Fig.1. The forecast suggests that normal to above-normal rainfall is likely over many parts of the country except northeast India and some parts of

northwest and eastcentral India where the below normal rainfall is likely.

#### Temperature

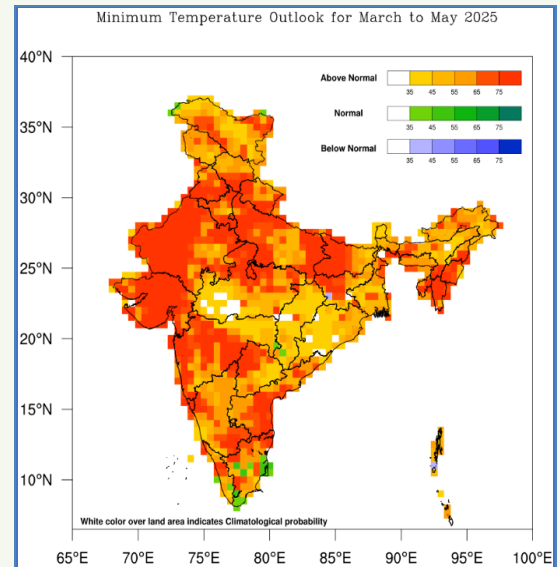


Fig.2a. Probability forecast of Minimum Temperature for March to May 2026

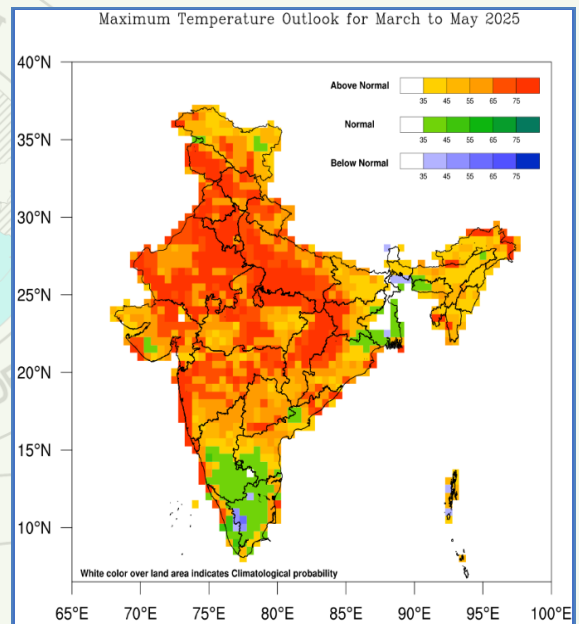


Fig.2b. Probability forecast of Maximum Temperature for March to May 2026

Fig.2a and Fig.2b show the probabilistic forecast of the maximum and minimum temperatures respectively for March to May (MAM) 2026 season. The probability forecast for minimum temperatures (Fig.9a) indicates that during the season (MAM), above-normal minimum temperatures are very likely over most parts of the country except some parts of South Peninsular India and isolated regions of the remaining parts of the country where normal to below normal minimum temperatures are likely. The probability forecast for maximum temperatures (Fig.9b) indicates above-normal maximum temperatures are very likely over most parts of the country, except over some parts of Northwest and central India where normal or below-normal maximum temperatures are very likely.

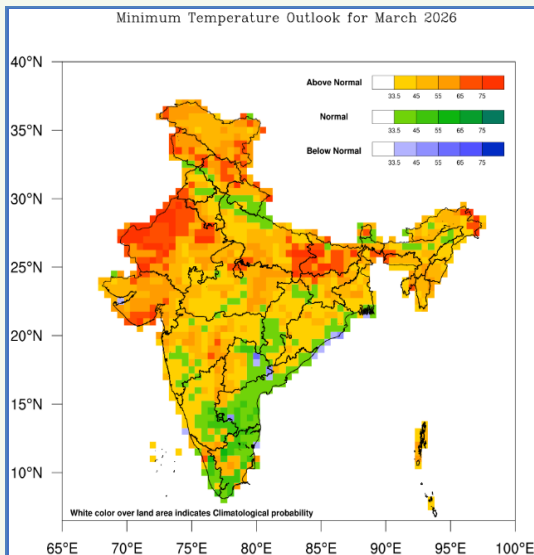


Fig.3a. Probability forecast of Minimum Temperature for March 2026

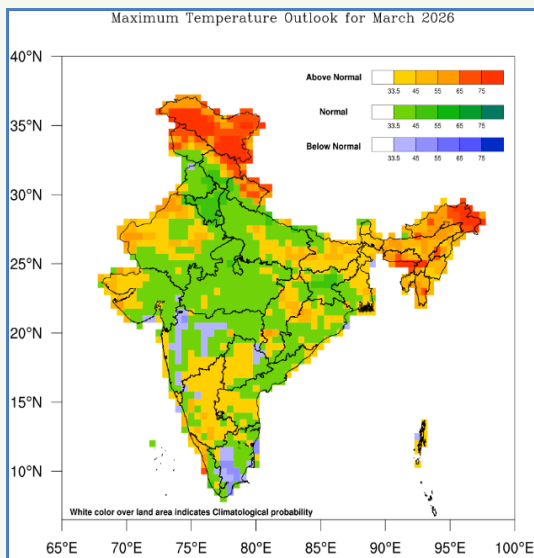


Fig.3b. Probability forecast of Maximum Temperature for March 2026

Fig.3a and Fig.3b show forecast probabilities of the maximum and minimum temperatures respectively for March 2026. During March 2026, above normal monthly minimum temperatures are likely over most parts of the country except some parts of Northwest India, South Peninsula and along east coast, where normal to below normal minimum temperatures are likely (Fig.3a).

During March 2026, monthly maximum temperatures are likely to be normal to below normal over many parts of India, except northeast India, adjoining east India and some parts of Western Himalayan region and central & Peninsular India, where above normal maximum temperatures are likely (Fig. 3b).

### Heatwave

The anomaly (deviation from normal) forecast for the number of heatwave days in the country for March to May 2026 is shown in Fig. 4a. During March to May season 2026, above-normal number of heatwave days are likely over most parts of east and eastcentral India, many parts of southeast Peninsula and some parts of the northwest and westcentral India.

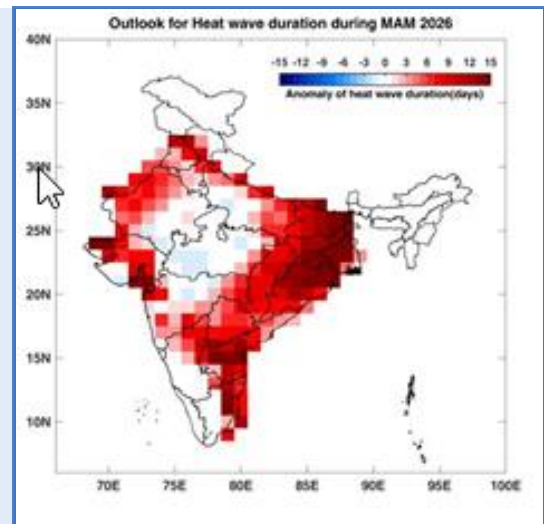


Fig.4a. Probability forecast of heatwave events for the season March to May 2026

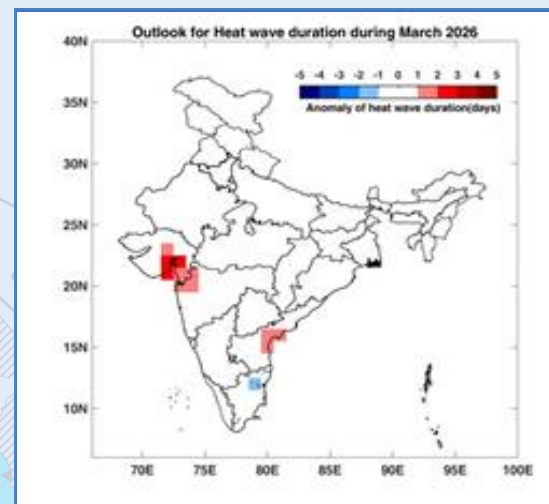


Fig.4b. Probability forecast of heatwave events for the season March 2026

The anomaly forecast for the number of heatwave days in the country for March 2026 is shown in Fig. 11b. During March, 2026, above-normal heatwave days are likely over isolated regions of Gujarat & Andhra Pradesh.

Climatological probabilities (indicated by white-shaded areas) are predicted over the remaining areas of the country.

### UPDATED SEASONAL OUTLOOK FOR HOT WEATHER SEASON (APRIL TO JUNE) 2026 AND MONTHLY OUTLOOK FOR APRIL 2026 FOR THE RAINFALL AND TEMPERATURE

#### Rainfall

The rainfall during April 2026 averaged over the country as a whole is most likely to be above normal (>112% of Long Period Average {LPA}). The LPA of rainfall over the country during April based on data from 1971 to 2020 is about 39.2 mm.

The probabilistic forecast for the spatial distribution of tercile rainfall categories (above normal, normal and below normal) over the country for April 2026 is shown in Fig.5. The forecast suggests that Normal to above-normal rainfall is likely over most parts of the country except Northeast India. Below-normal

rainfall is expected over many parts of northeastern India. The dotted area shown in the map climatologically receives very less rainfall and the white-shaded areas within the land areas represent no signal from the model.

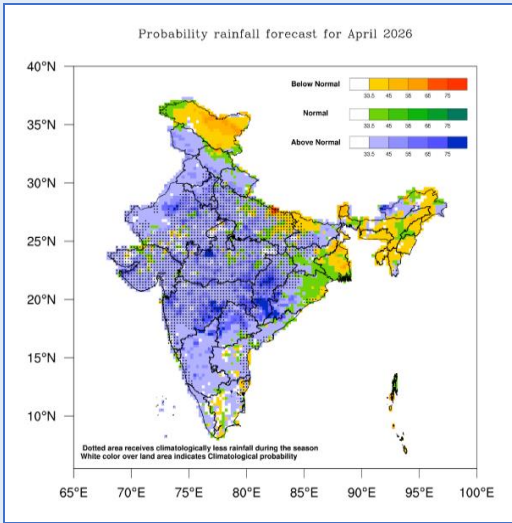


Fig.5. Probability forecast of tercile categories\* (below normal, normal and above normal) for the rainfall over India during April 2026

**Temperature**

Probability forecasts for the maximum and minimum temperatures during the April to June (AMJ) 2026 hot weather season are shown in Fig.6a and Fig.6b, respectively. The probability forecast for maximum temperatures (Fig.6a) indicates that maximum temperatures are likely to be normal to below normal over many parts of the country except most parts of east and northeast India, as well as eastern parts of central India and adjoining peninsular regions where above-normal maximum temperatures are expected.

The probability forecast for the minimum temperatures (Fig.6b) indicates that during the hot weather season (AMJ), above-normal minimum temperatures are likely over most parts of the country except some regions of Maharashtra and Telangana where normal to below normal minimum temperatures are likely.

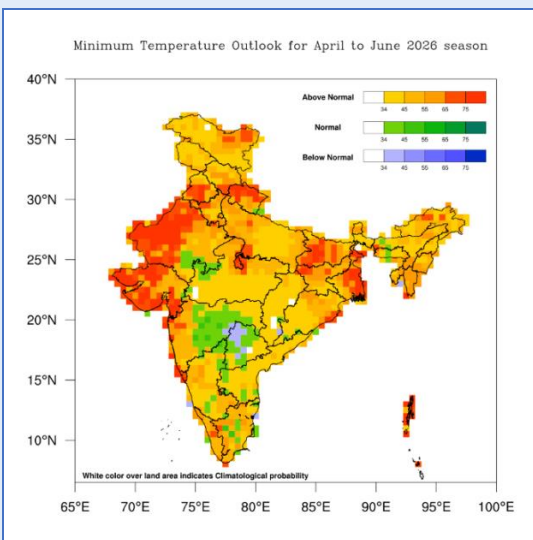


Fig.6a. Probability forecast of Minimum Temperature for April to June 2026

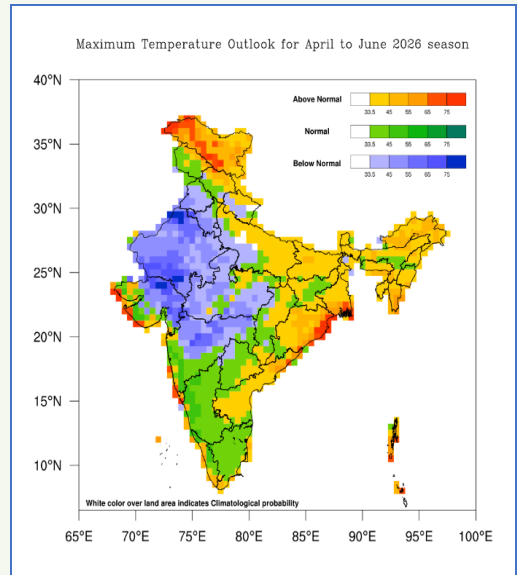


Fig.6b. Probability forecast of Maximum Temperature for April to June 2026

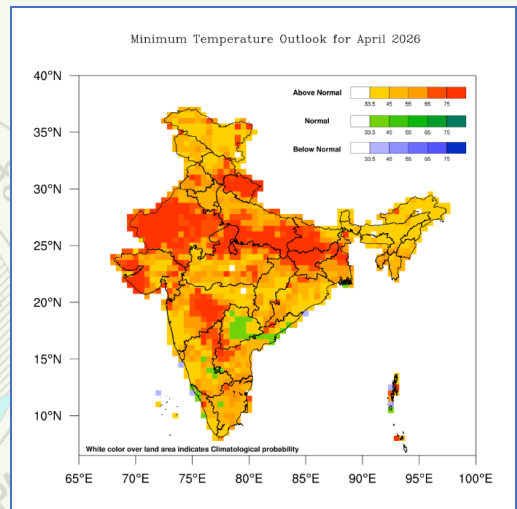


Fig.7a. Probability forecast of Minimum Temperature for April 2026

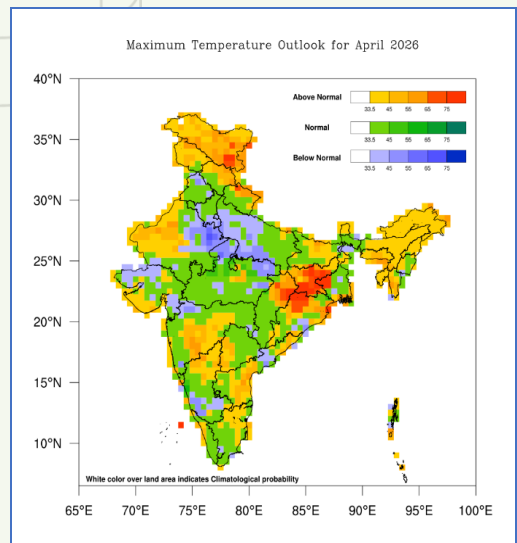
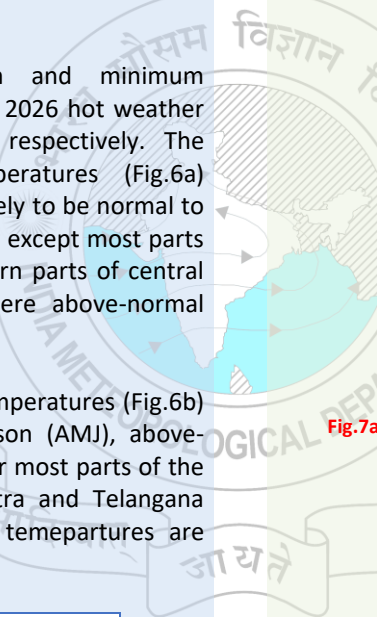


Fig.7b. Probability forecast of Maximum Temperature for April 2026

Probability forecasts for the maximum and minimum temperatures during April 2026 are shown in Fig.7a and Fig.7b, respectively. During April 2026, monthly maximum



temperatures are likely to be normal to below normal over many parts of the country. However, above-normal maximum temperatures are expected over many parts of east and northeast India and some parts of northwest India and southern peninsular India (Fig.7a).

Above-normal monthly minimum temperatures are most likely over most parts of India, except some isolated pockets over south peninsula where normal minimum temperatures are likely (Fig.7b).

## Heatwave

The anomaly (deviation from normal) forecast for the number of heatwave days over the country for the season April to June 2026 is shown in Fig 8a. Above-normal number of heatwave days are likely over some parts of east, central & northwest India and southeast Peninsula during April to June (AMJ) 2026.

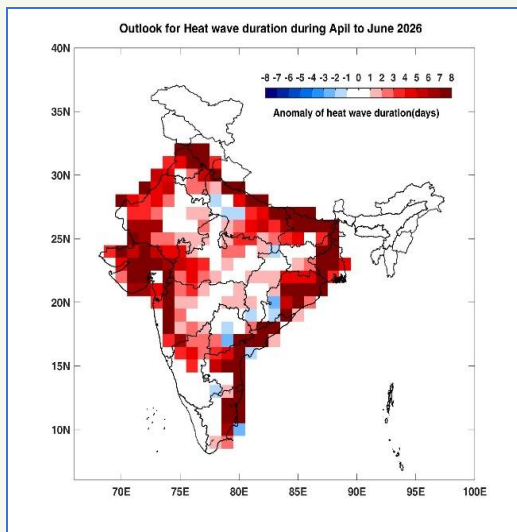


Fig.8a. Probability forecast of heatwave events for the season April to June 2026

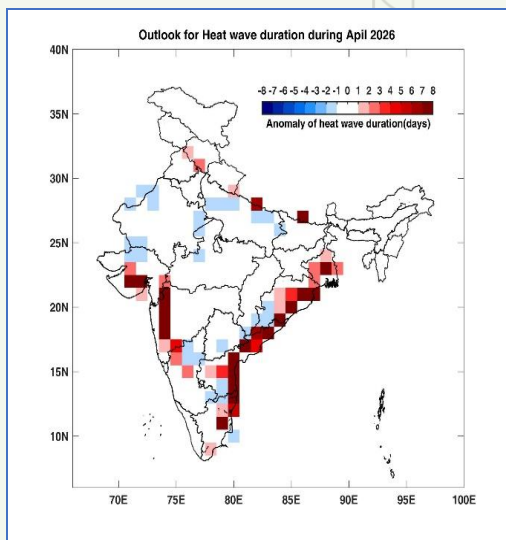


Fig.8b. Probability forecast of heatwave events for the season April 2026

The anomaly forecast for the number of heatwave days over the country for April 2026 is shown in Fig 8b. During April 2026, above-normal heatwave days are likely over many parts of

coastal areas of Odisha, West Bengal, Tamil Nadu, Puducherry and Andhra Pradesh and isolated regions of Gujarat Maharashtra and Karnataka. Climatological probabilities (indicated by white-shaded areas) are predicted over the remaining areas of the country.

## Summary of state of climate during the period January to March 2026 is as follows

**During January 2026,** Rainfall realized over the country as a whole was 69% of its LPA. Rainfall realized over homogeneous regions of South Peninsular India, Northwest India, Central India, and East & Northeast India was 111%, 88%, 21% and 14% of their LPA, respectively. Rainfall over All India (11.7 mm) was 25<sup>th</sup> lowest since 1901 and 11<sup>th</sup> lowest since 2001. Rainfall over Central India (1.5 mm) was 13<sup>th</sup> lowest since 1901 and 5<sup>th</sup> lowest since 2001. Rainfall over East & Northeast India (2.4 mm) was 7<sup>th</sup> lowest since 1901 and 4<sup>th</sup> lowest since 2001.

In the month of January 2026, the mean temperature across the country as a whole was 18.37 °C, with an anomaly of 0.33 °C, ranking it the 26<sup>th</sup> highest since 1901. The maximum temperature in January 2026 was the 34<sup>th</sup> highest (24.84 °C with an anomaly of 0.23 °C) and the minimum temperature was the 32<sup>nd</sup> highest (11.90 °C with an anomaly of 0.43 °C) since 1901. Among the four homogeneous regions, the mean temperature over East & Northeast India was the 10<sup>th</sup> highest (17.26 °C with an anomaly of 1.02 °C) since 1901. Across the country as a whole.

**During February 2026,** Rainfall realized over the country as a whole was 19% of its LPA during the month. Rainfall over homogeneous regions of south peninsular India, central India, northwest India and northeast India was 94%, 22%, 13% and 9% of its LPA respectively. Rainfall over All India (4.2 mm) was 3<sup>rd</sup> lowest since 1901 and lowest since 2001. Rainfall over East & Northeast India (2.6 mm) was 2<sup>nd</sup> lowest since 1901 and lowest since 2001. Rainfall over Northwest India (5.9 mm) was 3<sup>rd</sup> lowest since 1901 and lowest since 2001.

In February 2026, the mean temperature across the country was the 4<sup>th</sup> highest (21.88 °C with an anomaly of 1.18 °C) after the years 2025(22.06 °C), 2016(21.99 °C) and 2023(21.90 °C) since 1901. The minimum temperature during February 2026 was the 3<sup>rd</sup> highest (14.84 °C with an anomaly of 1.02 °C) after the years 2025(15.02 °C), 2016(14.91 °C) and the maximum temperature was the 7<sup>th</sup> highest (28.92 °C with an anomaly of 1.35 °C) since 1901. Among the four homogeneous regions, the mean temperature over Northwest India was the 3<sup>rd</sup> highest (17.63 °C with an anomaly of 1.97 °C) after the years 2023(17.90 °C), 2006(17.74 °C) and over East & Northeast India, it was also the 3<sup>rd</sup> highest (20.52 °C with an anomaly of 1.33 °C) after the years 2016(20.65 °C), 1946(20.60 °C) since 1901.

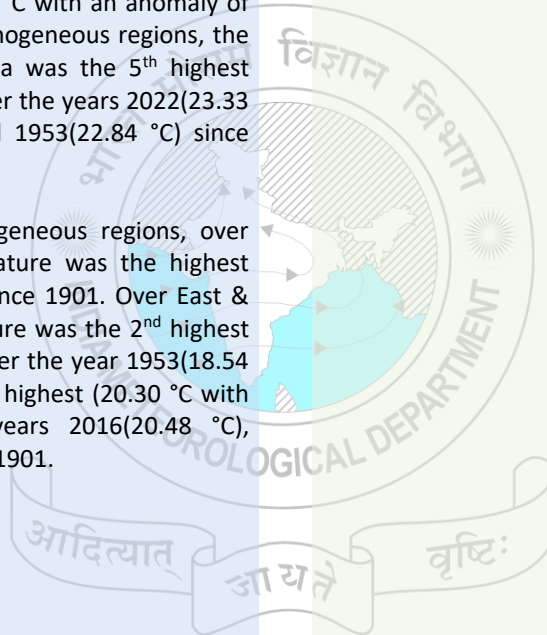
In February 2026, among the four homogeneous regions, over Northwest India, the maximum temperature was the 3<sup>rd</sup> highest (24.94 °C with an anomaly of 2.57 °C) after the years 2023(25.47 °C), 1960(25.07 °C) and the minimum temperature was also the 3<sup>rd</sup> highest (10.32 °C with an anomaly of 1.37 °C) after the years 2006(10.84 °C), 2023(10.33 °C) since 1901. Over East &

Northeast India, the maximum temperature was the 2<sup>nd</sup> highest (27.44 °C with an anomaly of 1.74 °C) after the year 2009(27.46 °C) since 1901. Over Central India, the minimum temperature was the 4<sup>th</sup> highest (16.34 °C with an anomaly of 1.35 °C) after the years 2025(16.72 °C), 2024(16.62 °C) and 2016(16.617 °C) since 1901.

**During March 2026**, Rainfall realized over the country as a whole was 113% of its LPA during the month. Rainfall over homogeneous regions of south peninsular India, central India, northwest India and northeast India was 126%, 105%, 76% and 168% of its LPA respectively. Rainfall over All India (33.7 mm) was 32<sup>nd</sup> highest since 1901 and 10<sup>th</sup> highest since 2001. Rainfall over East & Northeast India (100 mm) was 11<sup>th</sup> highest since 1901 and 2<sup>nd</sup> highest since 2001 after the year 2005 (117.3 mm). Rainfall over South Peninsular India (19.5 mm) was 26<sup>th</sup> highest since 1901 and 9<sup>th</sup> highest since 2001.

In the month of March 2026, the mean temperature across the country was the 9<sup>th</sup> highest (25.70 °C with an anomaly of 1.00 °C) since 1901. The minimum temperature was the highest (19.00 °C with an anomaly of 1.29 °C) and the maximum temperature was the 19<sup>th</sup> highest (32.41 °C with an anomaly of 0.70 °C) since 1901. Among the four homogeneous regions, the mean temperature over Northwest India was the 5<sup>th</sup> highest (22.62 °C with an anomaly of 2.12 °C) after the years 2022(23.33 °C), 2010(23.25 °C), 2004(23.03 °C) and 1953(22.84 °C) since 1901.

In March 2026, among the four homogeneous regions, over Northwest India, the minimum temperature was the highest (15.52 °C with an anomaly of 2.15 °C) since 1901. Over East & Northeast India, the minimum temperature was the 2<sup>nd</sup> highest (18.41 °C with an anomaly of 1.47 °C) after the year 1953(18.54 °C) and over Central India, it was the 4<sup>th</sup> highest (20.30 °C with an anomaly of 1.20 °C) after the years 2016(20.48 °C), 2010(20.38 °C), and 1969(20.32 °C) since 1901.





भारत मौसम विज्ञान विभाग  
**INDIA METEOROLOGICAL DEPARTMENT**

पृथ्वी विज्ञान मंत्रालय, भारत सरकार  
**Ministry of Earth Sciences, Govt. of India**

