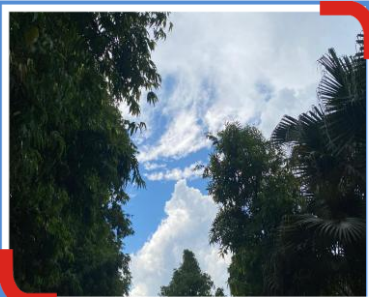




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EUMETSAT DIRECTOR-GENERAL VISITS MoES AND IMD TO STRENGTHEN COLLABORATION IN SPACE-BASED WEATHER MONITORING AND FORECASTING

Philip Cooper Evans, Director-General, EUMETSAT, along with the EUMETSAT delegation comprising Anne Doris Taube, Bojan Rumen Bojkov, Sean Dominic Burns, and Paul Albert G Counet, visited the Ministry of Earth Sciences (MoES) and the India Meteorological Department (IMD) on 2 September 2026. **Dr. T. Srinivasa Kumar, Secretary, MoES**, and **Dr. Mrutyunjay Mohapatra, DG, IMD**, along with senior officers and Scientists of MoES, IMD, and NCMRWF, held deliberations with the EUMETSAT delegation to strengthen space-based weather monitoring and forecasting through collaborative research and development of applications and services.



Philip Cooper Evans, Director-General, EUMETSAT, and the EUMETSAT delegation; Dr. T. Srinivasa Kumar, Secretary, MoES; Dr. Mrutyunjay Mohapatra, Director-General, IMD; and senior officers and scientists from MoES, IMD, and NCMRWF.

The delegation also visited IMD's National Weather Forecasting Centre and Satellite Meteorology Division and was briefed on IMD's diverse services, including weather forecasting, cyclone and severe weather warnings, marine and mountain weather services, agricultural advisories, environmental monitoring, hydrometeorology, and aviation meteorology. **The EUMETSAT Director-General appreciated IMD's wide range of user-focused services and commended the expertise, dedication, and efforts of its officers and staff in supporting society, individuals, and industry.**



Philip Cooper Evans, Director-General, EUMETSAT, and the EUMETSAT delegation Anne Doris Taube, Bojan Rumen Bojkov, Sean Dominic Burns, and Paul Albert G Counet; Dr. Mrutyunjay Mohapatra, Director-General, IMD; and Senior officers and Scientists of India Meteorological Department

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Significant Events

Republic of Tatarstan, Russian Federation, Delegation Visits IMD to Strengthen Cooperation in Disaster Preparedness and Weather and Climate Services

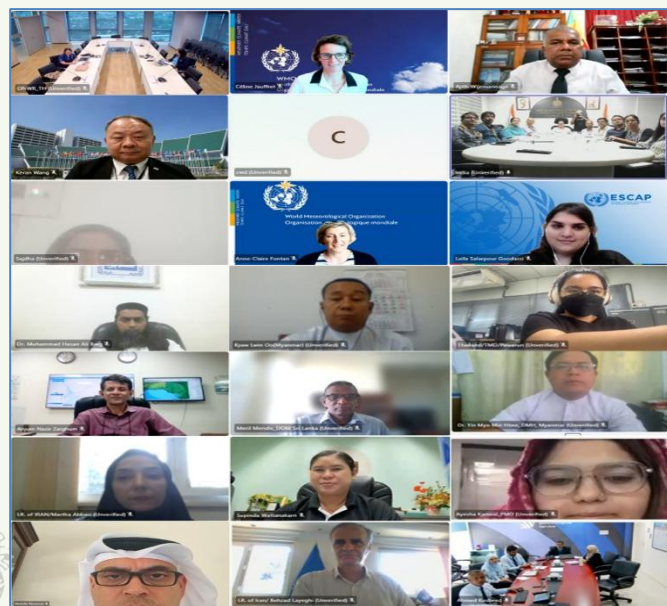
A delegation led by **H.E. Mr. Oleg Korobchenko**, Deputy Prime Minister and Minister of Industry and Trade of the Republic of Tatarstan, Russian Federation, visited the India Meteorological Department (IMD) on 10th September, 2026. **Dr. M. Mohapatra**, Director General, IMD, welcomed the delegation. Discussions focused on strengthening cooperation in disaster preparedness, weather and climate services.



H.E. Mr. Oleg Korobchenko, Deputy Prime Minister and Minister of Industry and Trade of the Republic of Tatarstan, Russian Federation, visited IMD on 10th September, 2026.

The 53rd Session of WMO/ESCAP Panel on Tropical Cyclones (PTC-53)

The 53rd Session of WMO/ESCAP Panel on Tropical Cyclones (PTC-53) was organised virtually during 13th-16th July, 2026. Dr. Mrutyunjay Mohapatra, DG IMD alongwith officers from IMD, Permanent Representatives of 13 member countries of Panel, WMO and ESCAP representatives participated in the meeting as the Secretary of PTC. During the meeting there were discussions on various technical plans of PTC including Tropical Cyclone Operation Plan (TCP-21), Annual Operation Plan (2025-26), Coordinated Technical Plan (2024-27), Annual Cyclone Review, PTC News Letter, Working Groups on Meteorology, Hydrology, Disaster Risk Reduction and Training & Capacity building. Officers from Regional Specialised Meteorological Centre, New Delhi including Dr. D R Pattanaik, Dr. AK Das and Mrs. Monica Sharma prepared and presented these documents from IMD, RSMC, New Delhi.



Participants of PTC-53 Meeting

DG, IMD Participates in “Future of Climate: AI, Science and Society” Discussion at Ashoka University

Dr. M. Mohapatra, Director-General, IMD, participated as a panellist in the discussion titled “Future of Climate: AI, Science and Society” at Ashoka University on 18 September 2026. The discussion explored the potential of artificial intelligence (AI) in weather forecasting, challenges in predicting the Indian monsoon, and the use of India’s extensive climate and rainfall datasets to advance weather prediction.

The panel featured experts from meteorology, climate science, academia, and investment, including Prof. Tapio Schneider (Caltech), Anjali Bansal (Avaana Capital), Prof. William Boos (UC Berkeley), and Prof. Gautam Menon (Ashoka University). The discussion highlighted how AI, scientific research, and data-driven innovation can contribute to a more weather-resilient future.



Dr. M. Mohapatra, DG, IMD, participated as a panellist in the discussion titled “Future of Climate: AI, Science and Society” at Ashoka University

“Climate26 & National Climate Leadership Awards” at the Constitution Club of India, New Delhi on 01st August, 2026

Dr. M. Mohapatra, DGM, IMD, participated as Chief Guest during the “Climate 26 & National Climate Leadership Awards 2026” programme held at the Constitution Club of India, New Delhi on 1st August. He addressed the gathering on the importance of climate action, environmental sustainability and building climate-resilient communities. The programme also included the felicitation of individuals and organisations for their notable contributions towards climate leadership, environmental protection and sustainable development.



Dr. M. Mohapatra, DGM, IMD, participated as Chief Guest during the “Climate 26 & National Climate Leadership Awards 2026”

Inaugural Programme of the First National Multi-Stakeholder Consultation on the impact of extreme heat on cardiovascular-kidney-metabolic diseases (CKMDs) on 7th August, 2026

Dr. M. Mohapatra, DGM, IMD, participated as the Chief Guest in the inaugural ceremony of the First National Multi-Stakeholder Consultation on the Impact of Extreme Heat on Cardiovascular-Kidney-Metabolic Diseases (CKMDs), organised by HRIDAY – Promoting Sustainable Health at The Park Hotel, New Delhi on 7th August. The consultation brought together stakeholders from the health, climate, meteorological, research, government and civil-society sectors to deliberate on the growing health impacts of extreme heat and to strengthen integrated, evidence-based and climate-resilient approaches for addressing heat-related CKMD risks.

National Conclave on “Climate Change: Challenges & Opportunities” organised by Suryakheetra on 9 August 2026

Dr. M. Mohapatra, DGM, IMD participated as the Chief Speaker, during the National Conclave on “Climate Change: Challenges & Opportunities”, organised by Suryakheetra Foundation of Educational & Charitable Trust on 9th August 2026 at The Ashoka, Chanakyapuri, New Delhi. During his address, he

highlighted the growing threats posed by global warming and climate change and emphasised the need for scientific approaches, climate action and collective efforts towards environmental protection and sustainable development. The conclave brought together policymakers, scientists, environmentalists, industry representatives, academicians and social leaders to deliberate on climate challenges and opportunities.



Dr. M. Mohapatra, DGM, IMD participated as the Chief Speaker, during the National Conclave on “Climate Change: Challenges & Opportunities

Global Commodity Conclave at Jio World Convention Centre on 14th August, 2026

Dr. M. Mohapatra, DGM, IMD, attended and delivered the keynote address on “From Climate Risk to Financial Resilience” during the Global Commodity Conclave 2026 organised by the Multi Commodity Exchange of India Ltd. (MCX) at the Jio World Convention Centre, Mumbai on 14th August. He also participated as the Chief Speaker in the session entitled “Increasing Economic Impact of Climate Change and the Need for Weather Derivatives in India.” He highlighted the growing economic implications of climate variability and extreme weather events and emphasised the importance of reliable weather information, climate-risk assessment and weather derivatives as effective tools for managing weather-related financial risks.



Dr. M. Mohapatra, DGM, IMD, attended and delivered the keynote address on “From Climate Risk to Financial Resilience” during the Global Commodity Conclave 2026

Abhyudaya – Odisha in 21st Century Conclave at Bhubaneswar on 26th August, 2026

Dr. M. Mohapatra, DGM IMD, participated as a distinguished Panelist in the panel discussion on “Odisha’s Disaster Shield – Disaster Management Model” in “Odisha Abhyudaya – Odisha in the 21st Century” Conclave held at Bhubaneswar, Odisha, organised by the Sakala Odia Daily and Nandighosha TV on 26th August. He shared his insights on disaster preparedness, early warning systems, weather and climate services, and the role of science and technology in strengthening disaster resilience.



Dr. M. Mohapatra, DGM IMD, participated as a distinguished Panelist in the panel discussion on “Odisha’s Disaster Shield – Disaster Management Model”

DGM, IMD Participates in Study Visit of the Rajya Sabha Committee on Government Assurances at Ranchi, Jharkhand

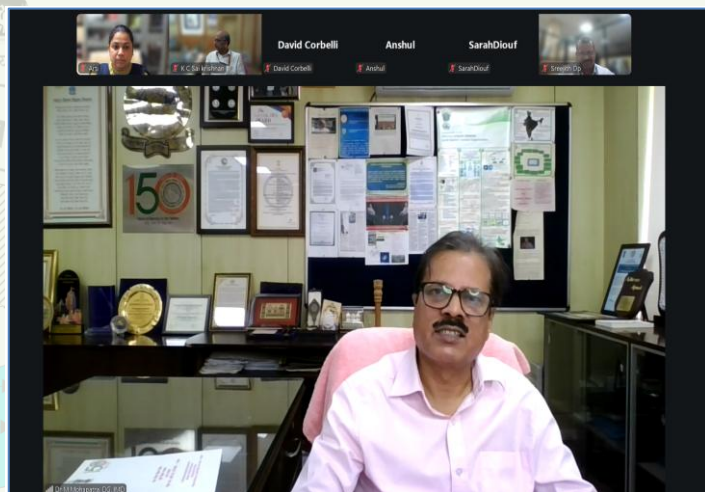
Dr. M. Mohapatra, DGM, IMD participated in the Study-visit of the Committee on Government Assurances, Rajya Sabha at Ranchi, Jharkhand on 7th September, 2026.



Dr. M. Mohapatra, DGM, IMD participated in the Study-visit of the Committee on Government Assurances, Rajya Sabha at Ranchi,

35th session of the South Asian Climate Outlook Forum (SASCOF-35)

35th session of the South Asian Climate Outlook Forum (SASCOF-35) for October to December (OND) Season held online on 24th September, 2026. This forum had been conducted by Regional Climate Centre (RCC), India Meteorological Department (IMD) in collaboration with Regional Integrated Multi-Hazard Early Warning System (RIMES), UK Met Office (UKMO) The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and World Meteorological Organization (WMO). This meeting is attended by Dr. K.C. Sai Krishnan Scientist-G, Dr. O.P. Sreejith, Scientist F, Dr. Satyaban Bishoyi Ratna, Scientist -F, Ms. Arti Bandgar, Sc-D, Dr. Sabeerali, Scientist -D, Dr. Roihini P., Scientist -D, Dr. Divya Surendran, Scientist -D, Dr. Ananya Karmakar, Scientist D, Dr. A.P. Ramaraj, Scientist-D and Dr. Jaya Dhami Parihar, Scientist-D.



Dr. M. Mohapatra , DG, IMD, 35th session of the South Asian Climate Outlook Forum (SASCOF-35) for October to December (OND) Season held online on 24th September, 2026.

Memorandum of Understanding (MoU)

A Letter of Agreement (LoA) between India Meteorological Department (IMD) and Saunta Gaunta Foundation (SG Foundation).

A Letter of Agreement (LoA) was signed on 20th July 2026 between India Meteorological Department (IMD) and Saunta Gaunta Foundation (SG Foundation). The agreement was signed by Dr. M. Mohapatra, Director General of Meteorology (DGM), IMD, and Dr. B. P. Bhattacharya, Secretary, SG Foundation. Officials from SG Foundation and IMD were also present on the occasion.

The main objective of the LoA is to strengthen collaboration by integrating IMD’s weather forecasts, impact-based forecasts, agrometeorological advisories, and climate data into Village Gram Panchayat-level planning. The agreement also aims to promote capacity building, public awareness, joint research, outreach, and educational activities to support long-term development in weather related activities.



A Letter of Agreement (LoA) between India Meteorological Department (IMD) and Saunta Gaunta Foundation (SG Foundation).

Signing of MoU between India Meteorological Department (IMD) and the Department of Higher Education (DHE), Government of Madhya Pradesh on 4th August, 2026

A Memorandum of Understanding (MoU) was signed on 04 Aug, 2026, between the India Meteorological Department (IMD) and Department of Higher Education (DHE) Government of Madhya Pradesh. The MoU was signed by **Dr. M. Mohapatra**, DGM, IMD, and **Shri Prabal Sipaha** (IAS), Commissioner, DHE, Government of Madhya Pradesh in the presence of the Hon'ble Governor of Madhya Pradesh, the Hon'ble Chief Minister of Madhya Pradesh, and the Hon'ble Minister of Higher Education, Government of Madhya Pradesh and other dignitaries. The primary objective of this MoU is to strengthen cooperation in the field of weather and climate sciences/services through collaborative research, data sharing and access, and problem-driven collaboration. The MoU further seeks to promote capacity building, facilitate knowledge exchange, and establish a framework for sustained long-term collaboration.



Signing of MoU between India Meteorological Department (IMD) and the Department of Higher Education (DHE), Government of Madhya Pradesh on 4th August, 2026

Signing of the MoU with NABARD at their headquarters at Mumbai on 14th August, 2026

A Memorandum of Understanding (MoU) was signed on 14th August, 2026, between India Meteorological Department (IMD) and National Bank for Agricultural and Rural Development (NABARD). The MoU was signed by **Shri Bikram Singh**, Scientist-G & Head RMC Mumbai, IMD and **Shri Sanjeev D. Rohilla**, Chief General Manager, NABARD in the presence of **Dr. Shaji Krishnan V**, Chairman, NABARD, and **Dr. Mrutyunjay Mohapatra**, Director General of Meteorology, IMD. Officials from NABARD and IMD were also present on the occasion. The primary objective of this MoU is to strengthen climate-resilient agriculture through the dissemination of IMD weather forecasts, alerts and advisories. It will also facilitate the integration of IMD data into NABARD's digital platforms and support weather-based decision-making by farmers, planners/policy makers and financial institutions.



Signing of the MoU with NABARD at their headquarters at Mumbai on 14th August, 2026

MoU between Positional Astronomy Centre (PAC), Kolkata, India Meteorological Department (IMD) and Rail Vikas Nigam Limited (RVNL)

A Memorandum of Understanding (MoU) was executed on 24th September, 2026 between the Positional Astronomy Centre (PAC), Kolkata, India Meteorological Department (IMD), Ministry of Earth Sciences, Government of India, and Rail Vikas Nigam Limited (RVNL), Ministry of Railways, Government of India. The MoU was signed at the Positional Astronomy Centre, Kolkata, by **Dr. Gopi Nath Raha**, Head & Scientist-F, PAC Kolkata, on behalf of the Director General, IMD, and **Shri Ujjwal Chakrabarti**, Project Manager, on behalf of RVNL. The officials present on the occasion, Shri Wasim Akram, Manager (Civil), RVNL, Shri Saisab Chakraborty, Manager (Civil), RVNL, Shri L. M. Jyoti, SO-I, PAC Kolkata, IMD, Shri Raja Acharya, Met-B, PAC Kolkata, IMD. The primary objective of the MoU is the restoration of the boundary wall and garden of the Positional Astronomy Centre, Kolkata, in connection with the construction of the Technopolis Station on the New Garia-Airport Metro Corridor in the State of West Bengal, India.



MoU between IMD, (PAC Kolkata) and Rail Vikas Nigam Limited (RVNL),
Ministry of Railways

MEDIA INTERACTION

India Meteorological Department (IMD) organised monthly press conference on the outlook of temperature and rainfall for the month of August, 2026 on 31st July, 2026.

Dr. Mrutyunjay Mohapatra, Director General, IMD (DG IMD) addressed media live. The highlights of the press release issued in this regard are presented below:

Below-normal rainfall (less than 94% of the Long Period Average (LPA)) is likely over the country during the second half of the Southwest Monsoon season (August–September) 2026. During this period, below-normal rainfall is very likely over many parts of the country except some parts of the Peninsular India, Central India, northern parts of Northwest India and East & Northeast India where normal to above-normal rainfall is likely.

During August 2026, rainfall over the country is likely to be below normal (less than 94% of the Long Period Average (LPA)). Below-normal rainfall is very likely over many parts of the country except many areas of Eastern Peninsular India, some areas of Northwest and Central India and isolated areas of East and Northeast India where normal to above-normal rainfall is likely.

During August 2026, the monthly average maximum temperatures are expected to remain above normal over most parts of the country. However, some areas of Northwest and Central India, along with isolated regions of the adjoining Southern Peninsula, are likely to experience normal to below-normal monthly average maximum temperatures during the month. The monthly average minimum temperatures during August 2026 are expected to remain normal to above normal over most parts of the country.

Moderate El Nino conditions currently prevail over the equatorial Pacific Ocean, with sea surface temperature (SST) anomalies remaining above normal across the central and eastern equatorial Pacific. These conditions are expected to strengthen further during the Southwest Monsoon season.

Forecasts from the Monsoon Mission Coupled Forecast System (MMCFS) also indicate a continued strengthening of El Niño conditions throughout the remaining period of Southwest Monsoon season.

At present, neutral Indian Ocean Dipole (IOD) conditions prevail over the Indian Ocean. Forecasts from the Monsoon Mission Coupled Forecast System (MMCFS) indicate that these neutral IOD conditions are likely to persist throughout the remaining period of Southwest Monsoon season. However, climate forecasts from some international forecasting centres suggest that positive IOD conditions are likely to develop during September 2026.

The detailed Press Release is available at LRF Outlook for Second Half of SW Monsoon Season: 2010 (imd.gov.in)

India Meteorological Department organised monthly Press Conference on the outlook of temperature and rainfall for the month of September, 2026 on 31st August, 2026.

Dr. M. Mohapatra, Director General of Meteorology, India Meteorological Department (DGM, IMD) addressed the media online. The highlights of the Press Release issued in this regard are given below:

Rainfall over India – Monthly rainfall over the country as a whole during September 2026 is most likely to be below normal (<91% of Long Period Average (LPA)). Spatially, many parts of the country are likely to receive below-normal rainfall. However, some areas of Northwest, Northeast, East, Eastcentral and Southeast Peninsular India are likely to receive normal to above-normal rainfall.

Surface Air Temperature over India – During September 2026, monthly average maximum temperatures are likely to be above normal over most parts of the country. Monthly average minimum temperatures are expected to be above normal over most parts of the country, except some parts of Northwest, Westcentral and Northeast India, where it is likely to be normal to below normal.

Sea Surface Temperature (SST) – Currently, strong El Niño conditions are prevailing over the equatorial Pacific Ocean, with sea surface temperature (SST) remaining above normal across the central and eastern equatorial Pacific. These conditions are expected to strengthen further in the coming months. At present, neutral Indian Ocean Dipole (IOD) conditions prevail over the Indian Ocean. Forecasts from the Monsoon Mission Coupled Forecast System (MMCFS) indicate that neutral IOD conditions are likely to persist through September 2026. However, forecasts from international climate centres suggest that the neutral IOD conditions may transition to positive IOD conditions from September onwards.



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IMD will issue the forecast for the Northeast Monsoon Season (October to December (OND) 2026), and the rainfall and temperature outlook for October 2026, towards the end of September 2026.

Detailed Press Release is available at LRF Outlook for Second Half of SW Monsoon Season: 2010 (imd.gov.in)

India Meteorological Department (IMD) organised Press Conference on "Performance of Southwest Monsoon 2026, and Outlook for Northeast Monsoon / Post Monsoon Season (October-December).

Dr. M. Mohapatra, DGM IMD addressed the media online on 30th September. The highlights of the Press conference issued in this regard are presented below:

Seasonal rainfall during October to December (OND) over South Peninsular India consisting of five meteorological subdivisions (Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe, and South Interior Karnataka) is most likely to be normal (88-112% of Long Period Average (LPA)). Most parts of the country are expected to receive below-normal rainfall, except some areas of Northwest India and southern parts of the peninsular India, where rainfall is likely to be normal to above-normal.

Monthly rainfall over the country as a whole during October 2026 is likely to be below normal (<85 % of LPA). In October 2026, most parts of the country are expected to receive below-normal rainfall except, some areas in Northwest India, southern parts of peninsular India and isolated areas of the East India, which may experience normal to above normal rainfall.

In October, above-normal maximum temperatures are likely over most parts of the country except some regions of the northeast India and isolated pockets of central and northwest India where normal maximum temperatures are expected. During October, above normal minimum temperatures are likely over most parts of the country except in most parts of Northeast India where normal to below normal minimum temperatures are likely.

Strong El Niño conditions are currently prevailing over the equatorial Pacific Ocean, with sea surface temperatures well above average (especially in the eastcentral and eastern equatorial Pacific). Forecasts from the Monsoon Mission Coupled Forecast System (MMCFS) and other major climate models indicate that El Niño will continue to strengthen through the end of the year.

Neutral Indian Ocean Dipole (IOD) conditions are currently prevailing over the Indian Ocean. The latest MMCFS forecast indicates that neutral IOD conditions are likely to continue during NE Monsoon season.

IMD will issue the outlook for the rainfall and temperature during November 2026 towards the end of October 2026.

Detailed press release is available at: Seasonal Outlook for Rainfall during Post Monsoon Season 2026 and Rainfall & Temperature during October 2026.

Outreach and Awareness Programme

Swachhata Pakhwada 2026 was celebrated at RMC Kolkata

Dr. Jenamani Rajendra Kumar, Scientist G & Head, RMC Kolkata, administered the Swachhata Pledge to all employees of RMC Kolkata on 02-07-2026 during Swachhata Pakhwada 2026. He presided over the Swachhata Awareness talk among staff of RMC Kolkata on 06-07-2026 and organised a painting competition on Swachhata at RMC Kolkata (Alipore) on 08-07-2026 as part of Swachhata Pakhwada 2026. Dr. Jenamani Rajendra Kumar, Scientist-G, distributed certificates to the participants of the painting competition on Swachhata.



RMC Kolkata, organised Swachhata Pakhwada 2026



Painting competition & prize distributions on Swachhata at RMC Kolkata

Swachhata Pakhwada 2026 was celebrated at MC Gangtok

Swachhata Pakhwada 2026 was celebrated with zeal and enthusiasm during the period 1st of July to 15th of July 2026. Shri Debapriya Roy, Head, MC Gangtok has administered the Swachhata Pledge to the officials on 03rd July 2026. Every official has participated actively in the Shramdan, Tree

Plantation, etc. as per the 'Activity List'. Swachhata Pledge and Swachhata Rally were carried out to spread mass awareness among the local people.



Swachhata Pakhwada 2026 was celebrated at MC Gangtok

Painting Competition – Independence Day Celebration-2026

On the occasion of India's 80th Independence Day, the **Regional Meteorological Centre (RMC), Kolkata**, in coordination with its constituent sub-offices (RMCs, MCs and FMOs), organized nationwide outreach programs on 10 August 2026 under the leadership and direction of Dr. Jenamani Rajendra Kumar, Scientist 'G', RMC Kolkata. Under the central theme "Weather Forecasting – Empowering India since Independence," the initiative featured painting competitions, interactive poster presentations, guided tours of surface observatories, and live demonstrations of meteorological instruments for school students. The event fostered scientific temperament and highlighted the vital role of meteorological services in disaster mitigation and nation-building. Trophies, merit certificates, and participation certificates were awarded to deserving participants across centres.



Painting competitions at RMC Kolkata

A Painting Competition was organized as part of the nationwide celebrations commemorating India's 80th Independence Day with participants from local schools of Gangtok on August 08th, 2026 with the theme "Weather Forecasting – Empowering India since Independence". The event provided an opportunity for the participating students to express their thoughts and feelings

towards the nation through art. The participating students were also taken on a guided tour/visit to the observatory.



Painting Competition on occasion of the 80th Independence Day with participants from local schools of Gangtok on August 8th, 2026

On the occasion of the "Independence Day celebrations, 2026" on **10th August 2026**, the Regional Meteorological Centre (RMC), Nagpur, organized a painting competition on the theme "Weather Forecasting – Empowering India since Independence." Students from different schools across Nagpur enthusiastically participated in the competition and expressed their creativity through vibrant paintings depicting the importance and evolution of weather forecasting in India. Shri Gajendra Kumar, Sc. G & Head, RMC Nagpur along with Shri R. Balasubramanian, Sc. F and Dr. T.S. Sreekanth, Sc. E graced the occasion and encouraged the participating students. During the interaction with the students Shri Gajendra Kumar, Sc. G & Head, RMC Nagpur highlighted the importance of nurturing scientific curiosity and awareness about weather, climate and disaster preparedness among the younger generation.



Students from different schools across Nagpur participated in painting competition

Dr. B. Sudarsan Patro, Scientist-E, conducted an IMD Science Outreach Programme at KJ's Educational Institute, Trinity Academy of Engineering, Pune, on 17 July 2026. On 5 August 2026, he served as a Mentor for R.I.D.E. (Research, Innovation, Design & Entrepreneurship) & Startup Expo 2026, organized by the Department of Electrical and Electronics Engineering, Maharashtra Institute of Technology World Peace University (MIT-WPU), Pune.



Dr. B. Sudarsan Patro, Scientist-E at Science Outreach Programme

Swachh Sagar, Surakshit Sagar V5.0 Campaign Of MWO Mumbai

In continuation of the directions regarding the Swachh Sagar, Surakshit Sagar (SSSS) V5.0 Campaign, MWO Mumbai organised a Beach Cleaning Drive at Juhu Beach, Mumbai on 17 September 2026.



Swachh Sagar, Surakshit Sagar (SSSS) V5.0 Campaign, MWO Mumbai

Dr. Jenamani Rajendra Kumar, Scientist-G, RMC Kolkata, along with senior scientists from NIOT, INCOIS, and other MoES officials, attended the inaugural program of the "Swachh Sagar Surakshit Sagar V 5.0 Campaign 2026" - inaugurated by Shri Sreenivasa Rao Gangi Reddy, Joint Secretary, MoES, at the Zoological Survey of India (ZSI), Digha - which commenced with a tree plantation drive and an oath-taking ceremony spanning from the beach area of ZSI to the Digha Shankarpur Development Authority (DSDA) on 12 September 2026.



Inaugural program "Swachh Sagar Surakshit Sagar V 5.0 Campaign 2026" at RMC Kolkata

Human Resource Development Activities

WORKSHOPS

Dr. Mrutyunjay Mohapatra, DG IMD participated as a Chief Guest in the IEA-CDRI Stakeholder Consultation Workshop on Strengthening Energy Infrastructure Resilience in India on 22nd July, 2026.

Dr. A.P. Ramaraj, Scientist-D attended the brainstorming workshop on "Enhancing the Spatial and Temporal Resolution of Weather Datasets for Real-Time Precision Agricultural Advisories" organized by PoCRA in collaboration with DESK-IITM at Aryabhata Hall, IITM, Pune on 24 July, 2026. He also delivered a presentation on "Agrometeorological Advisory Services".

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai and Dr.V.R.Durai, Scientist – F attended participated in the Inaugural Event of the Tamil Nadu State Institute of Disaster Management (TNSIDM) and One-Day Workshop on Heat Risk Management on 28 July, 2026 organized by the Tamil Nadu Disaster Risk Reduction Agency. During the event, launched the Statement on Climate for the State of Tamil Nadu – 2025 and delivered a technical presentation highlighting the key findings of the report, its major observations and trends, and its relevance to Disaster risk reduction, climate adaptation planning and evidence-based decision making in Tamilnadu, and participated in the discussions.

Shri Vikrant Nimesh, Met-A and Ms. Aldarihun Nongkhaw, Scientific Assistant attended the One-Day Workshop on Integrated Monitoring Technologies for Climate Action, Environmental Sustainability, and Infrastructure Resilience on 29th July, 2026.

Dr. Anwesa Bhattacharya, Scientist - D, attended the Mathematics of the Real World: Research-Industry-Academia Workshop, organised by the Applied Mathematics Program, IIT Bombay, held on 28–29 August 2026. During the workshop, she presented her recently published research work on tropical cyclones and actively participated in the open.

Dr. Satyaban B Ratna, Scientist - F, participated (Online) in the "Workshop on Interdisciplinary Geospatial Measurement and Analytical Methods for Global Public Health Research and Policy" held at Leibniz Institute for Prevention Research and Epidemiology - BIPS, Bremen, Germany, and delivered an invited talk on "Operational Weather, Climate, and Geospatial Services for Health Applications in India" during 10-11 September, 2026.

Shri Raghvendra Raju, Scientist-D, participated in the regional workshop on Impact-Based Forecasting: Heat Season Review & Cold Season Planning, held in Bangkok, Thailand from 29 September to 1 October 2026.

CONFERENCES / SYMPOSIA

Dr. Mrutyunjay Mohapatra, DG IMD participated as a Chief Guest in the IEA-CDRI Stakeholder Consultation Workshop on Strengthening Energy Infrastructure Resilience in India on 22nd July, 2026.

Global Commodity Conclave at Jio World Convention Centre on 14th August, 2026

Dr. M. Mohapatra, DGM, IMD, attended and delivered the keynote address on "From Climate Risk to Financial Resilience" during the Global Commodity Conclave 2026 organised by the Multi Commodity Exchange of India Ltd. (MCX) at the Jio World Convention Centre, Mumbai on 14th August. He also participated as the Chief Speaker in the session entitled "Increasing Economic Impact of Climate Change and the Need for Weather Derivatives in India." He highlighted the growing economic implications of climate variability and extreme weather events and emphasised the importance of reliable weather information, climate-risk assessment and weather derivatives as effective tools for managing weather-related financial risks.



Dr. M. Mohapatra, DGM, IMD, delivered the keynote address on "From Climate Risk to Financial Resilience" during the Global Commodity Conclave 2026

Dr. Gargi Rakshit, Scientist- C, attended the International Union of Radio Science (URSI) General Assembly and Scientific Symposium (GASS), in Krakow, Poland from 17-21 August, 2026 and presented a paper entitled "Contrasting Atmospheric Drivers of Intense Rainfall over Delhi NCR, India, during Pre-Monsoon and Winter Seasons : A Multi-Sensor Space-borne and Ground-based Analysis".

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai was on tour to New Delhi on 23 and 24 September 2026 to participate in the 9th India International Water Week 2026 (IIWW-2026). During the event, chaired Thematic Forum (TF-12) on "Climate Change – Erratic Precipitation" under the sub-theme "Water in

Climate-Related Risk." The session focused on the challenges posed by changing precipitation patterns and the associated risks to water resources in the context of climate change.

Shri Roshan Kumar Chhetri, Met-A attended the 4th edition of the North Eastern Space Applications Centre User Interaction Meet (NeUIM-2026) on 24-25th September 2026 in Umiam, Meghalaya

Dr. M. Mohapatra DG IMD attended the National Conference on Climate Change: "Crossroads – One Health, Biodiversity, Agriculture, Extreme Weather and Animal Sciences" held at Patna on 30th September, 2026.



Dr. M. Mohapatra DG IMD attended the National Conference on Climate Change: held at Patna

Dr. Jenamani Rajendra Kumar, Scientist-G, RMC Kolkata, chaired/ co-chaired the National Conference on "Climate Change Crossroads: One Health, Biodiversity, Agriculture, Extreme Weather, and Animal Sciences (ICC1H)", held from 30 September 2026 to 01 October 2026 at Dasharath Manjhi Institute of Labour and Employment Studies, BMP Road, Near JPNI Airport, Patna. He chaired the 1st session of the event on 30 Sept 2026 where Scientists from IITM Pune, NCMRWF, CMMACS CSIR and Senior experts from NGOs have delivered their talk.

Talk

Dr. Satyaban B Ratna, Scientist-E, delivered a talk on "El Niño, Monsoon Variability and Their Impact on Agriculture" at the Seminar on Sugarcane Conservation & Water Management under El Niño Conditions, at Deccan Sugar Technologists Association India (DSTAI), Pune, on 3rd July 2026.

Dr. Mrutyunjay Mohapatra, DG IMD participated as a guest of honour and delivered an expert talk on "Gang Canal @ 100: Climate Transformation of Western Rajasthan through a Century of Sustainable Water Management" at the UNCCD COP-17 Pre-COP event at Churu, Rajasthan during 25 July, 2026.

Dr. Rizwan Ahmed, Scientist-D, delivered a technical talk in the Technical Discussion Meeting on "Metar: Importance, Interpretation And Standard Procedure" on 27th July 2026

for all staff/officers from all airports under RMC Nagpur region.

Dr. O. P. Sreejith, Scientist-F, delivered a talk on "Characteristics of monsoon circulations over the RSMC region" at the 22nd RSMC New Delhi Attachment Training on 22 September, 2026.

Invited Talk & Session Chairing at Jadavpur University **Dr. Jenamani Rajendra Kumar**, Scientist- G, RMC Kolkata, delivered an invited talk titled "*Heavy Rainfall Events and Associated Hazards with Special Emphasis on Flood Forecasting & Preparedness*" and chaired a technical session during the Two-Day National Seminar on "*Disaster Preparedness by Structural & Non-Structural Resilience*," organized by the Department of Civil Engineering, Jadavpur University, Kolkata, on 18 August 2026.

Dr.O.P. Sreejith, Scientist-F, participated in the Pre- Cop 31 National Science- Policy Dialogue during 24-25 August, 2026 at JN Tata Auditorium, Indian Institute of Science (IISc), Bangalore organized by IISc and Karnataka Forest Department (KFD), Institute of Wood Science Technology (IWST).

Dr. Satyaban B Ratna, Scientist - F, delivered a talk on "Hazard and Vulnerability Atlas of IMD for Disaster Risk Reduction" at the 22nd RSMC New Delhi Attachment Training on 7th September, 2026.

MEETINGS

Dr. A.K. Mitra, Scientist-F, along with **Dr. Kuldeep Srivastava**, Scientist-F, **Dr. Sourav Adhikary**, Scientist-F, **Dr. Anoop Mishra**, Scientist-D, and **Dr. Neeti Singh**, Scientist-D attended a meeting chaired by DGM convened for holding deliberations on the outcomes of the 5th Gaganyaan Advisory Council (GAC) Meeting held at ISRO HQ on 2nd July, 2026 and for finalising IMD's inputs on 3rd August, 2026 held in DGM's room.

Dr. Mrutyunjay Mohapatra, DG IMD participated in the meeting of the 5th Gaganyaan Advisory Council convened by ISRO at Bengaluru on 2nd July, 2026 and in the review meeting under the Chairmanship of the Hon'ble Home Minister regarding possible drought-like conditions in India on 3rd July, 2026.

Dr. O. P. Sreejith, Scientist- F attended the WMO Webinar Series on Strengthening Regional Coordination and Communication for Emerging El Niño Conditions, 6 July 2026, (online) and give presentation on "Impact of El Niño on South Asian Rainfall During the 2026 Southwest Monsoon Season".

Dr. Mrutyunjay Mohapatra, DG IMD participated in the meeting under the Chairmanship of the Principal Secretary to the Prime Minister on "Possible Impacts & Preparedness for El Nino" on 7th July, 2026.

A meeting was held on 08 July 2026 under the chairmanship of the Director of Agriculture, Government of Bihar, with the India Meteorological Department, Patna, to review weather forecasts

and crop-wise coverage for the Kharif 2026 season. **Shri Ashish Kumar**, Scientist-D, and **Shri Anand Shankar**, Scientist-D, participated in the meeting. Discussions covered weather forecasts for Kharif crops, the use of weather-based agro-advisory services, and the progress of crop coverage across districts.

Dr. Mrutyunjay Mohapatra, DG IMD participated in the Joint Collaborative Board of Intergovernmental Panel on Oceanographic Commission and World Meteorological Organisation (JCB) Meeting on 13th July, 2026.

Dr. A.K. Mitra, Scientist-F, attended the 6th meeting of Project Management Committee (PMC), Ministry of Home Affairs, to discuss the development of Integrated Disaster Management System (IDMS) on 21st July, 2026 in Hybrid mode.

Dr. O. P. Sreejith, Scientist- F attended the Seminar organized by Telangana Government Planning Department on "El Nino: from Pacific Warning to Telangana Preparedness" on 21st July, 2026 and gave presentation on El Nino current status and SW Monsoon rainfall outlook for Telangana.

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai and **Dr.V.R.Durai**, Scientist – F attended participated in the Consultative Meeting on "Air Quality, Heat and Health Linkages" organized by the M.S. Swaminathan Research Foundation (MSSRF), Taramani, Chennai on 22nd July, 2026. Delivered a lecture in the meeting and contributed expert insights during the technical deliberations.

Shri K C. Sai Krishnan, Scientist-G, **Dr. Sreejith O. P.**, Scientist- F Ms. Arti Bandgar, Scientist--D, Dr. Asha Latwal, Scientist D and **Shri J. P. Sabale**, Met-B attended online review meeting under the chairmanship of the Commissionerate of Sugar, Maharashtra State to discuss changing environmental conditions affecting the sugar sector and to finalize the revised estimates of sugarcane area, production, productivity and sugar production for the Sugar Season 2026-27 on 28th July, 2026.

Dr. O. P. Sreejith Scientist- F attended the online webinar "Navigating the 2026 El Niño in Asia-Pacific: Aligning Regional IGOs and Humanitarian Partners for Anticipatory Action" organized by Anticipation Hub and the Asia-Pacific Technical Working Group on Early Warnings & Anticipatory Action (AP TWG EW-AA), with support from IFRC, FAO, UNDRR, and WMO and gave presentation on "Current El Nino and Indian Ocean Dipole: Implication on Asia" on 30th July, 2026.

Dr. M. Mohanty, Scientist -F, M.C Bhubaneswar attended Crop Weather Watch Group Committee meeting (CWWG) for Kharif, 2026 under the Chairmanship of Commissioner-cum-Secretary to Government, DA & FE in the Third-Floor Conference Hall of Krushi Bhavan, Bhubaneswar on On 03.08.2026, 10.08.2026, 17.08.2026, 24.08.2026 and 31.08.2026.

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai and **Dr.V.R.Durai**, Scientist – F attended the first meeting of the Expert Advisory Committee on Disaster Management, Monitoring and Assessment of Potential Impacts of Strong El Niño, constituted under the chairmanship of the Additional Chief Secretary / Commissioner of Revenue Administration and State Relief Commissioner, Government of Tamil Nadu on 4th August, 2026.

Shri Thangjalal Lhouvum, Sc.-D MC Shillong and **Shri Hemant Kumar Sharma**, Met-B attended the meeting at Secretariat building, Shillong with **Shri Sanjay Goyal**, Commissioner & Secretary, Govt of Meghalaya, for DWR Site selection review on 11th August, 2026.

Dr. R.K. Giri, Scientist-F, Satmet, **Dr. A.K. Mitra**, Scientist-F & **Dr. Gargi Rakshit**, Scientist-C attended VC with Head (CRS), Pune to discuss the technical requirements, feasibility, and deliberate on future strategy for integrating these sensors at SOI CORS stations post successful design and development of meteorological sensors by SID which are suitable for GNSS network IPWV measurements on 13th August, 2026.

Smt. Neetha K Gopal, Scientist -F had a meeting with the Chief Secretary, Government of Keralam, in connection with the request for allotment of land for installation of Wind Profiler Station in Thiruvananthapuram and installation of Wind Profiler & Radio Sonde Station in Kozhikode and establishing a Meteorological Observatory at Alappuzha on 14th August, 2026.

Shri Thangjalal Lhouvum, Scientist -D, MC Shillong attended the IMPCC meeting at NECTAR, Shillong with various Central Govt departments and institutions to strengthen media coordination and effective dissemination of information on government initiatives, achievements and public welfare programmes on 18th August, 2026.



Shri Thangjalal Lhouvum, Scientist -D, MC Shillong attended the IMPCC meeting at NECTAR, Shillong

Dr. Puviarasan, Scientist- F and **Shri C. S. Patil**, Scientist- E participated in the Krishna Raja Sagara Water and Irrigation Advisory Committee meeting on 19th August, 2026, at Vikasa Soudha. The session was jointly chaired by Cabinet Minister N. Chaluvarayana Swamy and Dr. Yatindra to address Cauvery water management.

Shri. C. S. Patil, Scientist- E attended delivered a lecture on IMD's early warning systems during floods and mitigation on 20th August 2026. The session was part of a pre-mock exercise training workshop on disaster management, organized in accordance with NDMA guidelines by the Tejus Disaster Management and Mitigation Centre at Kristu Jayanti College, Bengaluru.

Dr. A.K. Mitra, Scientist-F, attended a meeting to discuss on "Space-Based Requirements in India the Meeting chaired by Additional Secretary (DM), Ministry of Home Affairs, to discuss on the use of space-based assets for various application on 27th August, 2026 in Hybrid mode.

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai attended a meeting with officials of IIT Madras (**Dr. Balaji Narasimhan**, Professor, Department of Civil Engineering, IIT Madras, and his colleagues), to overview the Piloting of RADAR BASED RAINFALL MODELING on 01 September, 2026.

Shri Debapriya Roy, and **Shri Roshan Kumar Chhetri**, Met-A attended high level meeting on Glacial Lake Outburst Flood in Tashiling Secretariat on 10th September, 2026.

Shri R. Balasubramanian, Scientist-F, **Dr. Rizwan Ahmed**, Scientist-D along with RMC Nagpur officers visited & interacted with the scientists at NBSS& LUP (National Bureau of soil survey & Land use planning), ICAR, Nagpur on 11 September, 2026, for the collaboration between IMD & ICAR to generate real time soil moisture data.



Shri R. Balasubramanian, **Dr. Rizwan Ahmed**, Scientist-D along with RMC Nagpur officers visited & interacted with the scientists at NBSS& LUP, ICAR, Nagpur

Dr. M. Mohapatra, DGM, IMD attended a meeting under the Chairmanship of **Shri Tarun Kapoor**, Advisor to PM regarding "Review of Mission Mausam, Deep Ocean Mission and Issues related to Antarctica Projects" at PMO, Seva Teerth on 15th September.

Shri. Sai Krishnan K. C. Scientist-G, **Dr. O. P. Sreejith**, Scientist- F, **Dr. Satyaban B Ratna**, Scientist - F, **Shri A. D. Tathe**, Scientist- F, **Dr. Divya Surendran**, Scientist-D, **Dr. Sabeerali**, Scientist - D, **Dr. Rohini P.** Scientist-D, **Dr. Shijo** Scientist-D, **Dr. Sudeep** Scientist-D and **Dr. Ananya Karmakar**, Scientist- D attended a meeting

regarding the Memorandum of Understanding (MoU) for collaboration between D. Y. Patil Medical College and IMD, Pune, on 17th September, 2026.

Shri. Sai Krishnan K. C. Scientist-G, **Dr. O. P. Sreejith**, Scientist-F, **Dr. Satyaban B Ratna**, Scientist -F, **Dr. Divya Surendran**, Scientist - D and **Dr. Ananya Karmakar**, Scientist- D attended a meeting regarding the Memorandum of Understanding (MoU) for collaboration between D. Y. Patil Medical College and IMD, Pune, on 17th September, 2026.

Shri. C. S. Patil, Scientist- E attended the 2nd State Level Committee (SLC) meeting scheduled for 17th September, 2026, at Vikasa Soudha, Bengaluru, for the presentation, discussion, and finalization of the Ground Water Resources Assessment (GWRA) 2026 for Karnataka State.

Dr. M. Mohapatra, DGM, IMD attended a meeting under the Chairmanship of Union Home Secretary on Lightning Safety on 18th September.

Dr. M. Mohapatra, DGM, IMD attended a meeting under the Chairmanship of Shri Krishna S. Vatsa, Member & HoD, NDMA with OEMs of Weather Radar Systems on 23rd September through VC.

Dr. M. Mohapatra, DGM, IMD attended the visit of the Danish Meteorological Institute and the Danish Energy Agency to MoES and their presentation on solar nowcasting collaborative project at Meghdoot Hall, MoES on 23rd September, 2026.

Smt. S. Stella Scientist-F, MC Hyderabad, **Dr. A. Sravani**, Scientist-D and **Shri Raghvendra Raju**, Scientist-D attended meeting with GMR Group AMO Shamshabad regarding land site for X-band radar on 28th September, 2026.

Dr. A. Sravani, Scientist-D, attended the Rythu Nestham program conducted by the state agriculture department on 1 September 2026, 8 September 2026, 15 September 2026, and 22 September 2026. The sessions covered seasonal and weekly weather forecasts and related agricultural weather advisories useful for planning and farming operations.

TRAININGS

The Coast Guard Workup Team {CGWT(East)} invited the IMD experts at CWC VSK to impart training to their team. Dr. P.L.N. Murty, Scientist-E, Head, CWC Visakhapatnam and Smt. Bharati S Sabade, Sc-D have attended the same. Dr. P.L.N. Murty, Scientist-E delivered a lecture on 'Marine Services rendered by IMD' on 6th July, 2026 for the benefit of Coast Guard working group of personnel.

Dr. Mrutyunjay Mohapatra, DG IMD chaired in the meeting on "Hands on Training on Computation of Aerial Average Precipitation for Newly Established Flood Meteorological Offices, FMOs" on 21st July, 2026.

Dr. Sankar Nath, Scientist-F gave a training session/workshop for BRPL officials on the interpretation and effective utilization of weather information, forecasts, warnings, and emerging technologies such as AI/ML-based weather forecasting systems on 17th July at the BSES Corporate Office, Nehru Place, New Delhi.

Dr. Kuldeep Srivastava, Scientist-F & Head (Information System and Services Division) have participated in the "Data-Driven Decision Making in Government" training program (20-22 July, 2026).

Dr. M. Mohanty, Scientist-F, M.C Bhubaneswar, imparted a training-cum-workshop on the topic 'meteorological information & disaster management' to nominated programme staff from Akashvani & Doordarshan at NABM (National Academy of Broadcasting & Multimedia), Chandrasekharpur, Bhubaneswar, on 10 August, 2026.

Students from Dy. Patil International University, Akurdi, Pune 3rd Year B.Tech. (Computer Science Engineering), done Internship under the guidance of Dr. B. Sudarsan Patro, Scientist-E, on IOT, Embedded systems, sensors, and storage in Automatic Weather Station(AWS) at INSAT AWS lab Pashan during August 2026.



Students from Dy. Patil International University, Akurdi, Pune 3rd Year B.Tech student

MC Shillong officials attended the online Refresher Training Course in Aviation Meteorology for the period 10- 14 August, 2026, online training on Web application for the automatic computation of Average Areal Precipitation (AAP) and isohyetal analysis on 19th August, 2026 and online training on Aviation Training conducted by AMO Guwahati on 21st August, 2026.

Dr. M. Mohanty, Scientist-F, and Dr. Sanjeev Dwivedi, Scientist-D, M.C Bhubaneswar, imparted training on lightning awareness and safety to 33 trainees from CRPF, CH, Nayapalli, Bhubaneswar, at M.C Bhubaneswar, on 18 August, 2026.

22nd WMO Tropical Cyclone Forecasters Training Programme, 7-18 September, 2026

IMD, through the Regional Specialized Meteorological Centre (RSMC), New Delhi, provides tropical cyclone advisories to WMO/ESCAP Panel member countries in the North Indian Ocean

region and conducts annual training to strengthen regional forecasting capabilities.

The 22nd WMO Tropical Cyclone Forecasters Training Programme was conducted in hybrid mode from 7–18 September, 2026. It included 23 international participants, 31 IMD personnel from various sub-offices, two Indian Coast Guard officers, and 10 Indian Navy officers.

The programme focused on the latest advances in tropical cyclone observation, monitoring, modelling, prediction, and early warning services over the Bay of Bengal and Arabian Sea. It included practical case studies and expert lectures by resource persons from IMD, UN-ESCAP, RSMC Tokyo, NCMRWF, Noida, and IITM, Pune. Dr. M. Mohapatra, Director-General, IMD, delivered six special lectures.

The programme aimed to strengthen regional capacity in tropical cyclone forecasting and improve early warning services across the region.



Valedictory ceremony of RSMC training on 18th September, 2026

Dr. Jenamani Rajendra Kumar, Scientist-G, RMC Kolkata, chaired a familiarization training session on “Weather Forecast and Warning for Early Action” hosted by RMC Kolkata for officials from the State Branch and District Branch of the Indian Red Cross Society, organized on 15 September, 2026 at RMC Kolkata, Alipore office. He delivered a talk on “Reading the Sky: Understanding Essentials of Weather and Climate Monitoring”.



Familiarisation training session on “Weather Forecast and Warning for Early Action” hosted by RMC Kolkata

Aerodrome Meteorological Office (AMO), Organized a capacity-building Programme on “Importance of Effective Meteorological Briefing in Aviation Safety” on 16 September, 2026 for Aviation Meteorological Offices (AMOs) and Aviation Meteorological Sub-Stations (AMSSs) under RMC Nagpur, with the participation of 53 officers.

LECTURES

Dr. Sivananda Damodara Pai, Scientist-G, RMC Chennai was on official tour to Coimbatore from 07 - 08 July, 2026 to participate and deliver a lecture in an International Conference on “Future-Ready Farming : Climate-Smart and Resilient Agricultural Solutions (ICFRF 2026)” organized by Tamil Nadu Agricultural University (TNAU), Coimbatore.

Sh Parmod Kumar, Scientist- D, delivered lectures on e-Services (METNET, e-HRMS, e-Bill, eOffice) in IMD for the UDC Training Course on 10 July, 2026 and 13 July, 2026 in two sessions.

Dr. Rizwan Ahmed, Scientist-D, delivered a technical lecture on “Satellite Products and Their Applications” on 13th July, 2026 during the Central Water Commission (CWC), Ministry of Jal Shakti, Nagpur Training Programme on IMD Rainfall Forecast Products and Meteorological Tools.

Foundation Day lecture at Indian Rare Earth Limited (IREL) on 18th August, 2026

Dr. M. Mohapatra, DG IMD participated as the Guest of Honour at the 76th Foundation Day celebration of Indian Rare Earths Ltd (IREL), held on 18th August, 2026. He delivered the Foundation Day Lecture and addressed the gathering on issues related to weather, climate and their significance for strategic industries and national development. The programme was attended by senior officials of IREL, the Department of Atomic Energy and other distinguished dignitaries. The occasion also featured presentations on IREL’s performance and future roadmap.



Dr. M. Mohapatra, DG IMD participated as the **Guest of Honour** at the 76th Foundation Day celebration of Indian Rare Earths Ltd (IREL)

Guest Lectures & Session Chairing at TERI Workshop **Dr. Jenamani Rajendra Kumar**, Scientist -G, RMC Kolkata, chaired the pre-lunch session and delivered two guest lectures titled “Reading the Sky: Understanding Essentials of Weather and

Climate Monitoring” and “From Data to Decisions: Using Weather Data for Climate Awareness” during the West Bengal Teachers' Training Workshop on “Predict, Prepare, Protect: Understanding Weather and Climate,” organized by TERI at Tata Steel, Kharagpur, West Bengal, on 31 August, 2026.

Shri Gajendra Kumar, Scientist-G, Regional Meteorological Centre, Nagpur, was invited as the Chief Guest at the “Environment and Nature Conference, Nagpur”, jointly organized by “Besa-Pipla Nagar Panchayat” and “Paryawaran V Nisarg Sanstha”, Nagpur on 4th September 2026. On the occasion, he delivered a lecture on “Climate and Nature”, highlighting the importance of understanding climate and nature and their significance in environmental conservation. The lecture also highlighted the close interconnection between climate and nature, emphasizing the need to conserve natural resources and protect ecosystems for a sustainable future.

Dr. A. K. Mitra, Scientist-F, IMD, delivered a technical session (07th September 2026) on “Overview of Satellite Meteorology” as part of the 22nd RSMC New Delhi Training Programme on Tropical Cyclones. The session provided participants with an overview of satellite-based meteorological observations, satellite products, and their applications in tropical cyclone monitoring, analysis, forecasting, and warning services.

Dr. P. L. N. Murty, Scientist-E, Head, delivered a lecture on “Operational Storm Surge Forecasting” on 11th September, 2026 as part of “22nd Tropical Cyclone Forecaster Training” conducted by RSMC, New Delhi, during the period from 7-18 September, 2026.

Smt. Bharati S. Sabade, Scientist-D, attended the “22nd Tropical Cyclone Forecaster Training” conducted by RSMC, New Delhi, during the period from 7-18 September, 2026 and delivered a lecture “On preparation of User-Specific Bulletins in India” on 14th September, 2026.

Dr. Divesh Choudhary, Scientist-D delivered lecture on “Agricultural services of IMD in WB state” during a familiarization training on Weather Forecast & warning for Early action for State & District Branch officials of the Indian red Cross Society’s volunteers at RMC, Kolkata held on 16th September, 2026.

Dr. M. Mohapatra, DGM, IMD delivered the Eminent Keynote Address for the Shri K.S. Sudarshan Memorial Lecture organized by Indraprastha Vigyan Bharati at INSA Auditorium, New Delhi on 19th September, 2026.

Dr B Sudarsan Patro, Scientist-E was invited by Department of Civil Engineering at Padmabhooshan Vasantdada Patil Institute of Technology, Bavdhan to give a lecture on Weather Monitoring & Air Pollution on 23 September, 2026.

Dr. B Sudarsan Patro, Scientist-E was invited by Department of Civil Engineering at Padmabhooshan Vasantdada Patil Institute of Technology, Bavdhan to give a lecture on Weather Monitoring & Air Pollution on 23 September, 2026.



Dr. B Sudarsan Patro, Scientist-E was invited by Department of Civil Engineering

Shri Gajendra Kumar, Scientist-G, and **Dr. Rizwan Ahmed**, Scientist-D, Regional Meteorological Centre (RMC), Nagpur, attended as Guests of Honour at the Inauguration and Installation Ceremony at the Physics Department Students’ Society for the Academic Session 2026–27, held at Dr. Ambedkar College, Deekshabhoomi, Nagpur, on 29 September 2026. On the occasion, Shri Gajendra Kumar delivered a talk on “Weather, Climate and Sustainable Development in the Present Context.” He highlighted the significance of reliable weather and climate information in promoting sustainable development, supporting informed decision-making, strengthening disaster preparedness, and facilitating sustainable planning. He also highlighted career opportunities in the India Meteorological Department (IMD), encouraging students to pursue learning, scientific inquiry, and research with curiosity and enthusiasm.

AWARDS /ACHIEVEMENTS

On 03rd September, 2026 **Dr. B Sudarsan Patro**, Scientist - E was awarded “Certificate of Excellence in Reviewing” by the Journal of Engineering Research and Reports in recognition of his outstanding contribution to the quality of the journal through his peer-review activities

Dr. B. Sudarsan Patro, Scientist - E and **Dr. Somnath Mahato**, PS-III was presented with Token of Appreciation from Indian Meteorological Society Pune Chapter on 1st July, 2026.



Dr. B. Sudarsan Patro, Scientist E and Dr. Somnath Mahato, PS-III
Received token of appreciation from IMS

Research & Publications

Twenty-six (26) research articles have been published in Mausam (Vol. 77, No.3), July, 2026 issue.

Research papers by IMD officials published in Mausam

Chakravarty, Sujit Kumar "Radiosonde-Constrained Full-Wave Modelling Framework for Near- and Far-Field Electromagnetic Propagation in a Stratified Atmosphere." RADIO SCIENCE, 2026, 61(7), Article e2025RS008444. <http://dx.doi.org/10.1029/2025RS008444>.

Banerjee, Arkadeb; Durai, V. R "Characteristics of visibility for Chennai international airport." MAUSAM, 2026, 77(3), pp. 989–1004. <http://dx.doi.org/10.54302/mausam.v77i3.7216>

Singh, G. P.; Dube, A.; Sawaisarje, G. K.; Mohan, K. N "Prolonged fog episodes over the Indo-Gangetic Plains without western disturbances: Influence of upper-level moisture transport." ATMOSPHERIC RESEARCH, 2026, 341, Article 109111. <http://dx.doi.org/10.1016/j.atmosres.2026.109111>

Gupta, Priyanshu; Giri, R. K.; Mitra, A. K.; Singh, Neeti "Atmospheric Profiles of Temperature and Water Vapour Across India Derived from INSAT-3DR Sounder." JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, 2026. <http://dx.doi.org/10.1007/s12524-026-02577-w>

Kulkarni, Nahush; Roy, Partha; Bhagwat, Shrikant; Phukan, Ranjan; Pathan, Reshma; Kumar, Rakesh; Kumar, Ashish; Ranalkar, Manish "A STUDY ON THE CHARACTERISTICS OF FOG OVER AGARTALA AIRPORT." MAUSAM, 2026, 77(3), pp. 1101–1110. <http://dx.doi.org/10.54302/mausam.v77i3.6525>

Ballav, Srabanti; Mishra, Anoop Kumar; Kumar, Gajendra; Adhikary, Sourav "Three Decades of Winter Fog Variability at Delhi IGI Airport: Trends, Persistence, and Environmental Drivers Using Sen's Slope and Transition Probability Analysis." PURE AND APPLIED GEOPHYSICS, 2026, 183(7), pp. 3711–3739. <http://dx.doi.org/10.1007/s00024-026-04006-y>

Singh, Gauravendra. P.; Dube, Adarsh; Narkhede, Neetin; Sawaisarje, G. K "Heatwave mapping using satellite-derived LST in Western." MAUSAM, 2026, 77(3), pp. 777–790. <http://dx.doi.org/10.54302/mausam.v77i3.6965>

Preeti; Kant, Shashi; Shankar, Anand "Fog-Induced Attenuation of Solar Radiation over Amritsar, Northwest India." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, 2026. <http://dx.doi.org/10.1007/s40010-026-01184-1>

Kumar, Amit "Real-time mitigation of radio frequency interference in single-polarized operational weather radars of IMD." REMOTE SENSING LETTERS, 2026, 17(12), pp. 1594–1606. <http://dx.doi.org/10.1080/2150704X.2026.2720795>

Williams, M. Ashok; Chauhan, Anshul; Raj, S. T. Akhil; Ansari, M. I., Kumar, Gajendra; Soni, Vijay Kumar "Evaluating the performance of the Global Forecast System (GFS) during a tropical cyclone over India using Radiosonde observations: A case study." ATMOSPHERIC RESEARCH, 2026, 340, Article 109092. <http://dx.doi.org/10.1016/j.atmosres.2026.109092>

Singh, Bikram; Thapliyal, Rohit "Analysis of the trend of heavy rainfall over Uttarakhand, India." MAUSAM, 2026, 77(3), pp. 1047–1058. <http://dx.doi.org/10.54302/mausam.v77i3.6839>

Preeti; Kant, Shashi "Assessment of winter fog conditions at CCSI Airport, Lucknow, India (2018-2025)." JOURNAL OF EARTH SYSTEM SCIENCE, 2026, 135(3), Article 180. <http://dx.doi.org/10.1007/s12040-026-02901-5>

Prabhu, Pallavi; Dutta, Somenath; Boragapu, Raja; Saroja, Pushpa; Mahato, Somnath "A Study on the Dynamical Aspects of Movement and Intensification of Intense Cyclonic Vortex: A Case Study of Cyclone MOCHA." PURE AND APPLIED GEOPHYSICS, 2026, 183(7), pp. 3625–3647. <http://dx.doi.org/10.1007/s00024-026-03974-5>

Velusamy, Guhan; Akasapu, Dharma Raju; Kopparthi, Nagaratna; Goroshi, Sheshakumar "Multi-scale diagnostics of ENSO-monsoon teleconnections: Spectral, coherence, and wavelet insights from Indian rainfall and temperature variability." ATMOSPHERIC RESEARCH, 2026, 342, Article 109178. <http://dx.doi.org/10.1016/j.atmosres.2026.109178>

Mishra, Anoop Kumar; Ballav, Srabanti; Rafiq, Mohammad "Long-term changes in winter fog over Delhi, India: A 20-year climatology based on airport observations and urban expansion." THEORETICAL AND APPLIED CLIMATOLOGY, 2026, 157(8), Article 514. <http://dx.doi.org/10.1007/s00704-026-06451-0>

Misra, Ashutosh Kumar; Ghosh, Kripan; Karale, Moreshwar; Kumar, Arvind "Calibration and long-term trends of the Angstrom-Prescott model for surface solar radiation across

India." THEORETICAL AND APPLIED CLIMATOLOGY, 2026, 157(10), Article 639. <http://dx.doi.org/10.1007/s00704-026-06567-3>

Sreekanth, T. S.; Kanchibotla, Gayatri; Varikoden, Hamza "Multi-parameter Doppler Weather Radar analysis of an extreme rain event in central India: Precursors of convective intensification, sectoral variability and storm structure." ATMOSPHERIC RESEARCH, 2026, 337, Article 108952. <http://dx.doi.org/10.1016/j.atmosres.2026.108952>

Velusamy, Guhan; Akasapu, Dharma Raju; Kopparthi, Nagaratna; Goroshi, Sheshakumar "Benchmarking precipitation forecasts over the Godavari-Krishna Basin: Regime-Stratified, multi-metric, and uncertainty-aware evaluation of seven NWP models." PHYSICS AND CHEMISTRY OF THE EARTH, 2026, 144, Article 104590. <http://dx.doi.org/10.1016/j.pce.2026.104590>

Velusamy, Guhan; Goroshi, Sheshakumar; Akasapu, Dharma Raju; Kopparthi, Nagaratna "District-Level Climate Variability, Yield Resilience, and Risk Categorization of Sugarcane in Semi-Arid Telangana." INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2026, 46(10), Article e70448. <http://dx.doi.org/10.1002/joc.70448>

Velusamy, Guhan; Akasapu, Dharma raju; Alanka, Sravani; Kopparthi, Nagaratna "Comprehensive analysis and predictive modeling of temperature and rainfall patterns in Southern Telangana." MAUSAM, 2026, 77(3), pp. 915–926. <http://dx.doi.org/10.54302/mausam.v77i3.6934>

Mohan, Thota; Rajeevan, M.; Lenka, Smrutishree; Kumar, Kondapalli Niranjana; **Rohini, P.; Sreejith, O. P** "Evolution of Climate Extremes Over the Indian Subcontinent Using a Revised CEI." INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2026, 46(11). <http://dx.doi.org/10.1002/joc.70467>

Bhattacharya, Anwesa; Sarkar, Ishita; **Bondyopadhyay, Sourish; Biswas, H. R.; Karmakar, Shubhendu;** Dutta, Somenath "A study on the dynamical aspects of movement and intensification of intense cyclonic vortices using non-conventional derived NWP products." JOURNAL OF EARTH SYSTEM SCIENCE, 2026, 135(3), Article 176. <http://dx.doi.org/10.1007/s12040-026-02898-x>

Velusamy, Guhan; Akasapu, Dharma Raju; Kopparthi, Nagaratna; Goroshi, Sheshakumar "Stochastic diagnostics of rainfall extremes in the Godavari Basin: Variability, tail behaviour, dependence networks, and compound risk ranking." JOURNAL OF EARTH SYSTEM SCIENCE, 2026, 135(4), Article 238. <http://dx.doi.org/10.1007/s12040-026-02934-w>

Kolukula, Siva Srinivas; **Murty, P. L. N.;** Padmanabham, J.; Chandrasekhar, V.; **Sharma, Monica; Mohapatra, M.;** Nair, T. M. Balakrishnan "Real-Time Storm Surge Forecast and Its Validation for Severe Cyclonic Storm 'Dana'." PURE AND APPLIED GEOPHYSICS, 2026, 183(8), pp. 4411–4430. <http://dx.doi.org/10.1007/s00024-026-04064-2>

Saxena, Amit; Patel, Damodar; Dubey, Abhishek; Dubey, Pratiksha; Kumar, Pankaj; **Mitra, Ashim Kumar** "An LSTM based model for the prediction of INSAT-3DR satellite images for

nowcasting." MAUSAM, 2026, 77(3), pp. 1035–1046. <http://dx.doi.org/10.54302/mausam.v77i3.6893>

Mahato, Somnath; Saroja, Pushpa; Kumar, Vijai; **Anjan, Anjit; Soni, Vijai Kumar; Pai, D. S** "Long-Term Trends and Variability in Global and Diffuse Solar Radiation Over India." PURE AND APPLIED GEOPHYSICS, 2026, 183(8), pp. 4187–4199. <http://dx.doi.org/10.1007/s00024-026-04037-5>

Khadke, Chinmay; Alam, Zeeshan; Mahto, Ravikant "Assessment of INSAT-based rainfall products over meteorological subdivisions of India." MAUSAM, 2026, 77(3), pp. 763–776. <http://dx.doi.org/10.54302/mausam.v77i3.6899>

Nair, Saraswati Harivenu; Pekkat, Sreeja; **Das, Sunit** "Development of intensity-duration-frequency curves using sub-daily disaggregated rainfall data for flood-prone and data-scarce regions." HYDROLOGICAL SCIENCES JOURNAL, 2026, 71(9), pp. 1829–1843. <http://dx.doi.org/10.1080/02626667.2026.2661095>

Pillai, Aiswarya S.; **Mahato, Somnath;** Goswami, Mrinal; Panda, Bibekananda; Kundu, Surajit "Evaluating the Enhanced MADCOA PPP Service Using Multi-GNSS from Eastern India." SURVEY REVIEW, 2026, 58(410), pp. 531–544. <http://dx.doi.org/10.1080/00396265.2026.2619217>

Yalla, Vyshnavi Sai; Satyanarayana, A. N. V.; **Murty, P. L. N.;** Srinivas, K. Siva "Modelling of Surface Roughness Effects on Cyclone Wind Fields and Associated Storm Surge Along the East Coast." PURE AND APPLIED GEOPHYSICS, 2026. <http://dx.doi.org/10.1007/s00024-026-04123-8>

Peepliwal, Vikash; Swarnkar, Somil; Wadhwa, Abhinav; **Sharma, Radheshyam;** Sharma, Ashish "When heat meets drought: understanding the rising persistence of compound dry-hot extremes through Markov-Chain analysis." JOURNAL OF HYDROLOGY, 2026, 676, Article 135734. <http://dx.doi.org/10.1016/j.jhydrol.2026.135734>

Rakshit, Gargi; Paul, Debjit; Jana, Soumyajyoti; Dubey, Sarvesh; **Pattanaik, Dushmanta Ranjan;** Mukhopadhyay, Parthasarathi "Diagnosing cloudbursts over Indian megacities near land-sea boundary during the 2025 Monsoon: Multi-platform observations, atmospheric drivers and model predictability." ATMOSPHERIC RESEARCH, 2026, 340, Article 109074. <http://dx.doi.org/10.1016/j.atmosres.2026.109074>

Vyshnavi, Dodda Naga; Satyanarayana, G. Ch.; Velivelli, Sambasivarao; Rao, K. Koteswara; Kanchana, A. L.; Mahalakshmi, D., V; Mahesh, P.; **Raju, A. Dharma** "Enhanced summer monsoon rainfall over the Godavari Basin during the recent global warming era." DYNAMICS OF ATMOSPHERES AND OCEANS, 2026, 116, Article 101698. <http://dx.doi.org/10.1016/j.dynatmoce.2026.101698>

Kumar, Nishant; Nair, Anjali S.; Tiwari, Avni; Soni, Kirti; **Soni, V. K.;** **Kumar, Anikender;** Jha, Arvind; Gupta, Dharmendra "Intercomparison and Validation of SODAR and ERA5 Measured Atmospheric Boundary Layer Height Over Delhi." JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, 2026, 54(8), pp. 3101–3116. <http://dx.doi.org/10.1007/s12524-025-02376-9>

Kundu, Arundhati; Srivastava, Abhay; Kundu, Shyam S.; Taori, Alok; Domkaware, Manoj A.; Guha, Anirban; **Banik, Trisanu**; Thabab, Lapynsuk; Gogoi, Rekha B.; Mahanta, Rahul "Lightning location systems in India: A comparative evaluation with a focus over North-Eastern Region of India." ATMOSPHERIC RESEARCH, 2026, 338, Article 108999. <http://dx.doi.org/10.1016/j.atmosres.2026.108999>

Tiwari, Gaurav; Singh, Vivek; **Kumar, Sushil**; Singh, Amarendra; **Kumar, Amit**; Kumar, Pradeep "Impact of all-sky SAPHIR brightness temperature assimilation using WRF model for the simulation of tropical cyclone Ockhi." METEOROLOGY AND ATMOSPHERIC PHYSICS, 2026, 138(5), Article 66. <http://dx.doi.org/10.1007/s00703-026-01170-7>

Kumar, Nishant; Soni, Kirti; Parmar, Kulwinder Singh; Thorat, Pranalee; Saha, Dipankar; Jha, Arvind Kumar; **Kumar, Anikender**; **Soni, Vijay Kumar** "Prediction of Aerosol Optical Depth Using a Support Vector Machine Model in the Coal Mining Regions of Assam." JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, 2026, 54(8), pp. 3299–3311. <http://dx.doi.org/10.1007/s12524-026-02496-w>

Cherchi, Annalisa; **Ratna, Satyaban Bishoyi**; Barimalala, Rondrotiana; Takahashi, Hiroshi G.; Kumar, Pankaj; Grimm, Alice M.; Cerezo-Mota, Ruth; Rao, Suryachandra A "Preface to the WCRP CLIVAR/GEWEX Monsoon Panel Special Issue on Global and Regional Monsoons: State of the Art and Perspectives." ADVANCES IN ATMOSPHERIC SCIENCES, 2026, 43(8), pp. 1521–1523. <http://dx.doi.org/10.1007/s00376-026-6003-y>

Karrevula, Narayana Reddy; Nayak, Hara Prasad; **Nadimpalli, Raghu**; Sinha, Palash; Boyaj, Alugula; Patel, Pratiman; Jadhav, Harshwardhan; Vinoj, V.; Islam, Sahidul; Khare, M.; Niyogi, Dev; Mohanty, U. C "Impact of enhanced urban morphology on simulation of heat waves in the tropical city of Bhubaneswar, India." URBAN CLIMATE, 2026, 68, Article 102996. <http://dx.doi.org/10.1016/j.uclim.2026.102996>

Infrastructure Development & Installations

36 numbers of Agro AWS have been installed at 11 different states during the month of August-2026.

Five new Urban Met. installations were completed for Shillong City: MEECL Lumjingshai, MoEFCC, Lumbatngen, Mrykhan Village, St. Edmund's College, Shillong CPRI (ICAR), Shillong.

VISITORS

A delegation from **Ethiopian Meteorological Institute** visited IMD on 28th July. The delegation met **Dr. Mrutyunjay Mohapatra**, DG IMD during their visit.

Dr. R.K. Giri, Scientist-F, briefed a team of 8 delegates from Ethiopian Meteorological Institute regarding various operational activities carried out at MMDRPS Unit during their visit to Satellite Division and familiarized them of various satellite products and their utility on 30th July 2026.

Dr. R.K. Giri, Scientist-F, and **Ms. Sunanda Moka**, Scientist-D, briefed 51 Nos. of AAO Trainees (Group 'B' Gazetted officers of IP & TAPS) in the presence of DGM during their visit at Sat. Met. Division on 31st July, 2026 for educational visit.

About 300 students and faculty members from various schools and colleges visited RMC Chennai office during July 2026.

About 480 students and faculty visited MC Hyderabad during July, 2026.

Dr. R.K. Giri, Scientist-F, & **Shri Chinmay R Khadke**, Scientist-D, briefed 2 trainees of Indian Coast Guard from AMTC Batch No. 186 (Phase-II) during their training in Sat. Met. Division from 13th to 18th August, 2026.

Educational Visits to Meteorological Centre, IMD, Patna

During August 2026, Meteorological Centre, IMD, Patna hosted educational visits by students from B.Sc. (Hons.) Agriculture, Patna Women's College, and Delhi Public School, Patna, involving approximately 392 students and 12 teachers. The visits were conducted on 17, 18, and 22 August 2026, respectively. The students were briefed on meteorological activities, various meteorological instruments, weather forecasting systems, and the working and utility of the Doppler Weather Radar (DWR). The B.Sc. Agriculture students were also introduced to the relationship between weather and agriculture and the importance of weather information in agrometeorological applications. These visits enhanced students' understanding of meteorology and its practical applications in agriculture and daily life.

40 Nos of Students and 2 faculty members from Raghubir Singh Junior Modern School, Delhi visited Sat. Met. Division on 3th August, 2026 for educational visit.

Students and faculty from Department of Earth Sciences. USTM Meghalaya visited MC Shillong for their annual institutional field visits on 8th August, 2026.



Students and faculty from Department of Earth Sciences. USTM Meghalaya visited MC Shillong

40 Nos of Students and 3 faculty members from Tagore International School, East of Kailash visited Sat. Met. Division on 11th August, 2026 for educational visit.

40 Nos of Students and 2 faculty members from Shiv Nadar University visited Sat. Met. Division on 13th August, 2026 for educational visit.

OJT Programme for 11 trainees of IMTC Batch No. 23 was organized in Sat. Met. Division on 31st August 2026.

On 09 September 2026, a group of approximately 31 participants from the Continuing Education Program (CEP) on GeoINT for Defence Applications visited IMD. **Dr. A. K. Mitra**, Scientist-F delivered a briefing on Satellite Meteorology Applications for Defence Users, covering the use of satellite-based weather observations and products for monitoring atmospheric conditions, operational planning, and situational awareness.

40 Nos of Students and 2 faculty members from SRM-IST (Deemed to be University), Modinagar, Ghaziabad visited Sat. Met. Division on 01st, 03rd and 7th September, 2026 for educational visit.

30 Nos of Students and 3 faculty members from Institute of Innovation in Technology & Management (IITM), Janakpuri, Delhi visited Sat. Met. Division on 10th September, 2026 for educational visit.

14 Nos of Trainees of Advanced Training Course in MI & IS Batch – XVII visited Sat. Met. Division for their On-Job Training (OJT) Programme on 16th to 18th September, 2026.

Dr. R. K. Giri, Sc-F and Head, Satmet briefed 23 trainees from DGM office and RMCs on-Job-Training (OJT) on the account of FTC-202 (Forecasters Training Course) in Sat. Met. Division on 16th September, 2026.

40 Nos of Students and 3 faculty members from Ajay Kumar Garg Engineering College visited Sat. Met. Division on 15th and 16th September, 2026 for educational visit.

About 280 students and faculty members from various schools and colleges visited CWC Vsk office during July 2026.

28 students and 4 teachers from Raidighi College, South 24 Parganas, West Bengal visited Regional Meteorological Centre, Kolkata as part of an educational visit on the occasion of World Ozone Day. During the visit, information was provided regarding meteorological activities and various meteorological instruments. They felicitated the Head of RMC Kolkata with a memento. **Dr. Anwesha Bhattacharya** delivered a talk on “Living in a Changing Climate: Extremes, Science and Adaptation on 16th September 2026.



28 students and 4 teachers from Raidighi College, South 24 Parganas, West Bengal visited RMC Kolkata

50 Nos of Students and 3 faculty members from Queen's Convent School, Rohini, Delhi visited Sat. Met. Division on 25th September, 2026 for educational visit.

About 580 students and faculty members from various schools and colleges visited CWC Vsk office during September, 2026.

About 200 students and 15 faculty visited MC Trivandrum office during September, 2026.

A team of Scientist from IITM Pune and NESAC Umiam visited MC Shillong on 30th September, 2026.



A team of Scientist from IITM Pune and NESAC Umiam visited MC Shillong

राजभाषा हिंदी

डॉ. जेनामणी राजेन्द्र कुमार, वैज्ञानिक-जी एवं प्रमुख, प्रादेशिक मौसम केंद्र, कोलकाता की अध्यक्षता में 14 सितम्बर 2026 को हिंदी दिवस के अवसर पर “हिंदी पखवाड़ा समारोह 2026” का उद्घाटन कार्यक्रम और 29 सितम्बर 2026 को इसका मुख्य समारोह सफलतापूर्वक सम्पन्न हुआ।



मौसम विज्ञान केंद्र, शिलांग ने हिंदी पखवाड़े का आयोजन किया

राजभाषा संबंधी संसदीय समिति द्वारा 20 अगस्त, 2026 को मौसम विज्ञान केंद्र (एमसी), श्रीनगर का निरीक्षण

डॉ. एम. महापात्र, उप महानिदेशक, भारत मौसम विज्ञान विभाग ने राजभाषा संबंधी संसदीय समिति द्वारा मौसम विज्ञान केंद्र (एमसी), श्रीनगर के निरीक्षण में भाग लिया। निरीक्षण का मुख्य उद्देश्य सरकारी कार्यों में हिंदी के कार्यान्वयन और उसके उत्तरोत्तर प्रयोग की समीक्षा करना तथा राजभाषा नीति और संबंधित दिशानिर्देशों के अनुपालन का आकलन करना था। समिति ने केंद्र द्वारा अपनी आधिकारिक गतिविधियों में हिंदी के प्रयोग को बढ़ावा देने के लिए किए जा रहे प्रयासों की भी समीक्षा की।

राजभाषा हिंदी पखवाड़ा 2026 का आयोजन 1 से 17 सितंबर, 2026 तक किया गया। मौसम विज्ञान केंद्र, गंगटोक के सभी अधिकारियों ने हिंदी पखवाड़े के दौरान आयोजित विभिन्न हिंदी प्रतियोगिताओं में उत्साहपूर्वक भाग लिया। केंद्र प्रमुख, श्री देबप्रिय राय ने हिंदी प्रतियोगिताओं के सभी विजेताओं को पुरस्कार प्रदान किए। उन्होंने कुछ निर्देश भी जारी किए और सभी को सरकारी कार्यों में हिंदी भाषा का प्रयोग बढ़ाने के लिए प्रोत्साहित किया।

मौसम विज्ञान केंद्र, शिलांग में 14 से 28 सितंबर, 2026 तक अधिकारियों और कर्मचारियों की सक्रिय भागीदारी के साथ हिंदी पखवाड़े का आयोजन किया गया। पखवाड़े के दौरान हिंदी से संबंधित विभिन्न गतिविधियाँ और प्रतियोगिताएँ आयोजित की गईं, जिनमें निबंध लेखन, कविता, हिंदी श्रुतलेख तथा हिंदी गीत/गायन प्रतियोगिताएँ शामिल थीं।

आरएमसी, चेन्नई में 29 सितंबर, 2026 को हिंदी दिवस बड़े उत्साह के साथ मनाया गया। कर्मचारियों के लिए 17 से 28 सितंबर, 2026 तक हिंदी पखवाड़े के दौरान हिंदी कविता पाठ, निबंध लेखन, भाषण तथा भाषा से संबंधित अन्य प्रतियोगिताओं सहित विभिन्न गतिविधियाँ आयोजित की गईं।



आरएमसी, चेन्नई में हिंदी दिवस मनाया गया

राजभाषा के रूप में हिंदी के प्रयोग को बढ़ावा देने के उद्देश्य से 30 सितंबर, 2026 को मौसम विज्ञान केंद्र, गंगटोक में एक दिवसीय हिंदी

कार्यशाला आयोजित की गई। कार्यशाला का विषय था—“वैज्ञानिक एवं तकनीकी कार्यों में हिंदी का प्रयोग”।

WEATHER INFORMATION

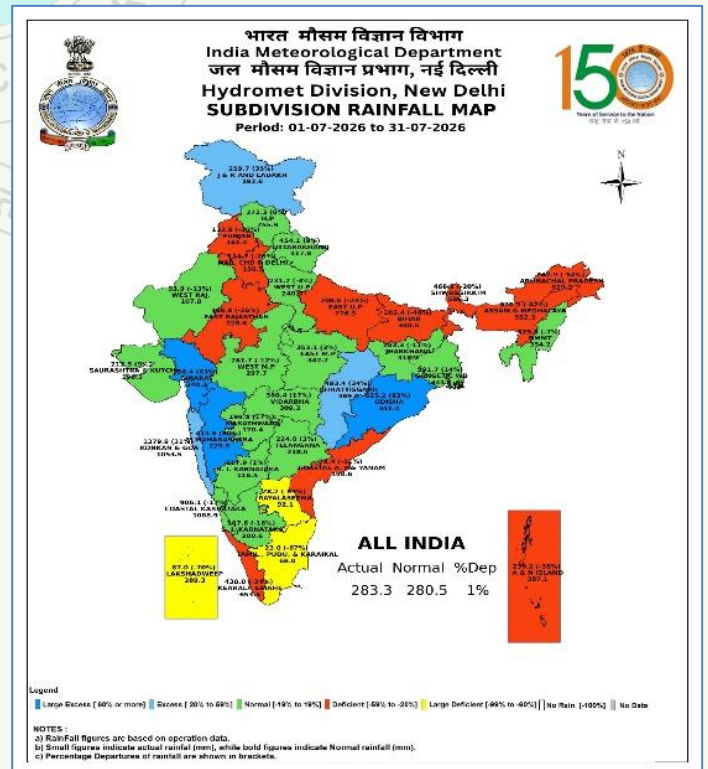
Rainfall during July-2026

- The country as a whole received 283.3 mm of rainfall during July 2026, which was 1% above the Long Period Average (LPA) of 280.5 mm
- The rainfall for the country as a whole, for the period 01-06-2026 to 31-07-2026 has been recorded as 389.8 mm which is -13% departure from its Long Period Average (LPA) of 445.8 mm. In all, category wise, 03 Met sub-divisions in EXCESS, 16 Met sub-divisions in NORMAL, 17 Met sub-divisions in DEFICIENT and none of any Met sub-divisions in LARGE EXCESS, LARGE DEFICIENT and “NO RAIN” category of rainfall.
- The rainfall statistics for the month of July- 2026 for 4 homogeneous regions and the country as a whole (**Table-1, Below:**)

TABLE-1

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
East & northeast India	299.8	424.1	-29%
Northwest India	201	209.7	-4%
Central India	426.8	321.3	33%
South Peninsula	152.6	204.5	-25%
Country as a whole	283.3	280.5	1%

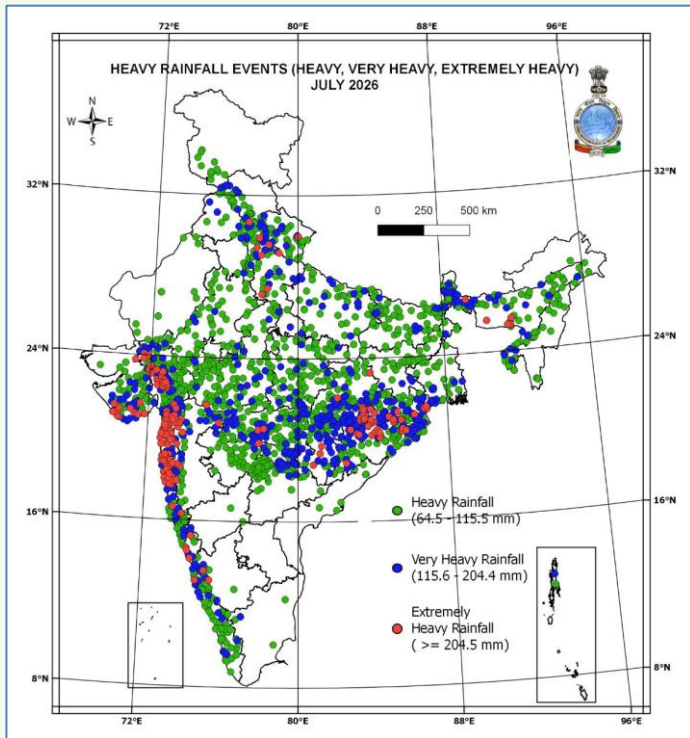
LPA:-Long period average



Subdivision-wise rainfall distribution for July, 2026

Heavy Rainfall Events

July 2026 witnessed numerous heavy rainfall events across most parts of the country. Very heavy and extremely heavy rainfall events were concentrated primarily along the west coast, Northeast India, central India and parts of eastern India. The spatial distribution of these events is given below figure.



The location of occurrences of Heavy, Very Heavy and Extremely Heavy rainfall events in the month of July-2026.

Rainfall during the month of August and forecast for September: The country as a whole received 213.3 mm of rainfall during August 2026, which was 16% below the Long Period Average (LPA) of 254.9 mm. The rainfall for the country as a whole, for the period 01-06-2026 to 31-08-2026 has been recorded as 603.7 mm which is -14% departure from its Long Period Average (LPA) of 700.7 mm.

Monthly rainfall over the country as a whole during September 2026 is most likely to be below normal (<91% of Long Period Average (LPA)). Spatially, many parts of the country are likely to receive below-normal rainfall. However, some areas of Northwest, Northeast, East, East central and Southeast Peninsular India, are likely to receive normal to above-normal rainfall.

Average Temperature during August-26 and forecast for September Month: All India average temperature during August 2026 was 28.01oC above normal by 0.67 °C. It was the highest since 1901. The normal temperature is 27.34 °C. During September 2026, monthly average maximum temperatures are likely to be above normal over most parts of the country. Monthly average minimum temperatures are expected to be above normal over most parts of the country except some parts of Northwest, West central and Northeast India where it is likely to be normal to below normal.

Rainfall during August-2026

The country as a whole received 213.3 mm of rainfall during August 2026, which was 16% below the Long Period Average (LPA) of 254.9 mm. In all, category wise, 04 Met sub-divisions in EXCESS, 12 Met sub-divisions in NORMAL, 18 Met sub-divisions in DEFICIENT, 02 Met sub-divisions in LARGE DEFICIENT and none of any Met sub-divisions in LARGE EXCESS and "NO RAIN" category of rainfall.

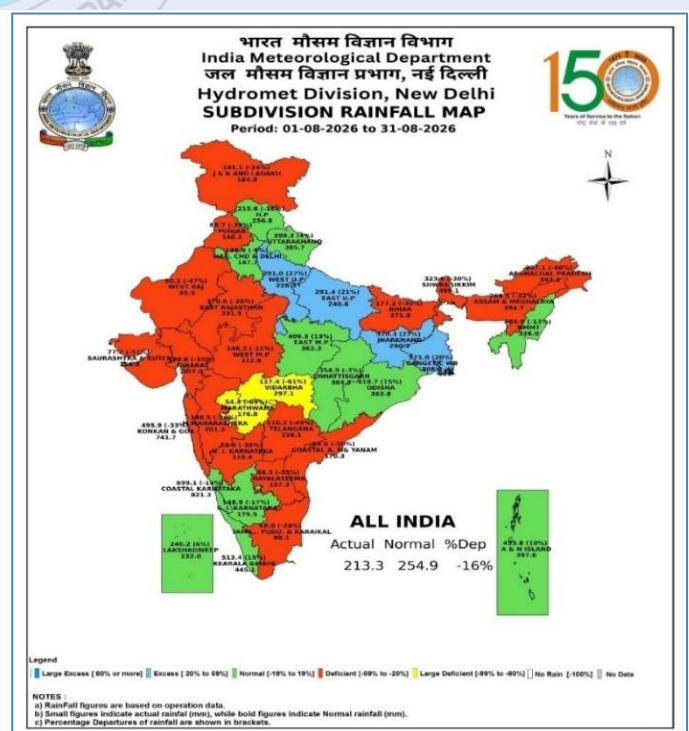
The rainfall statistics for the month of August- 2026 for 4 homogeneous regions and the country as a whole (Table-2, Below:)

TABLE 2

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
East & northeast India	276.0	332.0	-17%
Northwest India	178.4	197.1	-9%
Central India	258.8	308.8	-16%
South Peninsula	139.1	190.7	-27%
Country as a whole	213.3	254.9	-16%

LPA:-Long period average

In terms of Met Sub-division-wise categorized rainfall, out of 36 Met Sub-divisions, 03 in Large Excess (LE), 03 in Excess(E), 16 in Normal (N), 11 in Deficient (D) and 03 in Large Deficient (LD) and 00 in No Rain category of rainfall .



Subdivision-wise rainfall distribution for August, 2026

Significant Weather

Low Pressure Systems: Six Low pressure systems including two depression, one well marked low pressure area and three low pressure area formed during the month of August, 2026.

- Under the influence of an upper air cyclonic circulation over southwest Uttar Pradesh & neighbourhood, a Low Pressure Area formed over southwest Uttar Pradesh & neighbourhood at 0830 hrs IST of 7th August. It became less marked at 0830 hrs IST of 8th August.

- Under the influence of an upper air cyclonic circulation over south Gangetic West Bengal & adjoining Bangladesh, a Low Pressure Area formed over south West Bengal & adjoining north Odisha, at 0830 hrs IST of 8th August. It lay over northeast Madhya Pradesh & adjoining Chhattisgarh at 0830 hrs IST of 9th August; lay over north Madhya Pradesh & neighbourhood at 0830 hrs IST of 10th August; lay over northwest Madhya Pradesh & neighbourhood at 0830 hrs IST of 11th August and persisted over the same region on 12th August; became less marked at 0530 hrs IST of 13th August.

- Under the influence of an upper air cyclonic circulation over northwest Bay of Bengal & neighbourhood, a Low Pressure Area formed over North Bay of Bengal off West Bengal-Bangladesh coasts at 0530 hrs IST of 12th August. It moved northwestwards and lay as a Well-Marked Low Pressure Area over North Bay of Bengal & adjoining Bangladesh-West Bengal coasts at 1730 hrs IST of 12th August. It moved northwestwards, concentrated into a Depression and lay centred at 0830 hrs IST of 13th August, over coastal West Bengal near latitude 22.3°N and longitude 88.6°E, close to northwest of Canning (West Bengal), about 40 km southeast of Kolkata (West Bengal). It moved west-northwestwards and lay centred at 0830 hrs IST of 14th August, over Jharkhand & adjoining Gangetic West Bengal, near latitude 23.2°N and longitude 85.5°E, about 20 km southeast of Ranchi (Jharkhand), 80 km west-northwest of Jamshedpur (Jharkhand). It moved west-northwestwards and weakened into a Well-Marked Low Pressure Area over Jharkhand at 1730 hrs IST of 14th August and further weakened into a Low Pressure Area over southeast Jharkhand & neighbourhood at 0530 hrs IST of 15th August and became less marked at 1730 hrs IST of the same day. The observed track of the Depression is shown in **Fig. 1**.

- Under the influence of an upper air cyclonic circulation over northwest Bay of Bengal, a Low Pressure Area formed over Northwest Bay of Bengal & adjoining West Bengal-North Odisha coasts at 0530 hrs IST of 16th August and lay as a Well-Marked Low Pressure Area over the same region at 1430 hrs IST of the same day. It moved nearly northwestwards, concentrated into a Depression and lay centred at 0530 hrs IST of 17th August, over coastal West Bengal and adjoining areas of Bangladesh & northwest Bay of Bengal near latitude 22.5°N and longitude 88.3°E close to Kolkata, about 80 km west-southwest of Satkhira (Bangladesh), 160km southeast of Bankura (West Bengal), and 180 km northeast of Baleshwar (Odisha). It moved west-northwestwards and lay centred at 0830 hrs IST of 18th August, over Jharkhand & adjoining northern parts of Gangetic West Bengal, near latitude 23.9°N and longitude 85.8°E, about 50 km

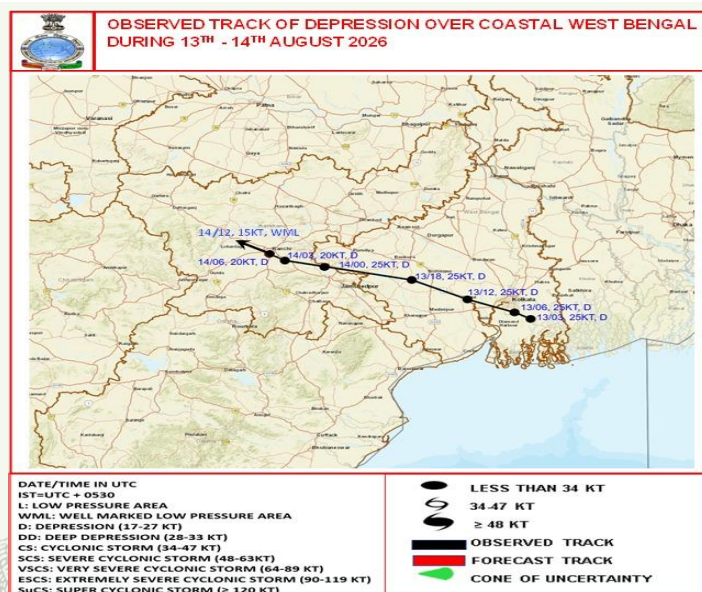


Fig 1. Observed track of Depression over Coastal West Bengal during 13-14th August 2026



Fig 2: Observed track of Depression over Coastal West Bengal and adjoining areas of Bangladesh & Northwest Bay of Bengal during 17-19th August 2026.

east-southeast of Hazaribagh (Jharkhand), 80 km northeast of Ranchi (Jharkhand), 130 km southeast of Gaya (Bihar), 180 km east of Daltonganj (Jharkhand) and 200 km southeast of Dehri (Bihar).

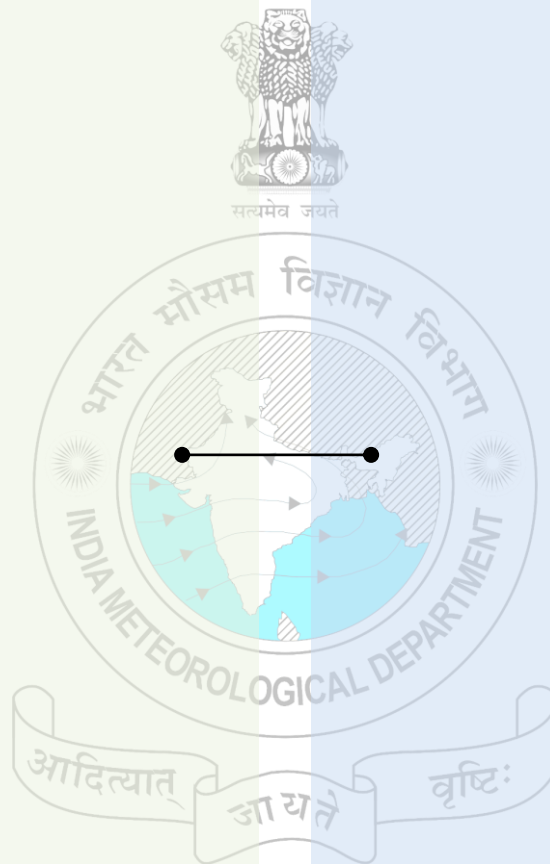
It further moved west-northwestwards and lay centred at 0830 hrs IST of 19th August, over north Jharkhand and adjoining southwest Bihar & southeast Uttar Pradesh, near latitude 24.3°N and longitude 83.9°E, about 30 km north-northwest of Daltonganj (Jharkhand), 90 km east-southeast of Churk (Uttar Pradesh), 140 km north-northeast of Ambikapur (Chhattisgarh), 170 km southeast of Varanasi (Uttar Pradesh) and 210 km east of Sidhi (Madhya Pradesh). It weakened into a Well-Marked Low Pressure Area over north Jharkhand and adjoining southwest Bihar & southeast Uttar Pradesh at 1130 hrs IST of the same day and lay over northeast Madhya Pradesh & neighbourhood at 0830 hrs IST of 20th August. It lay as a Low Pressure Area over the same region of northeast Madhya Pradesh & neighbourhood at 0530 hrs IST of 21st August; persisted over the same region at 0830 hrs IST of 22nd August and became less marked at 0530 hrs IST of 23rd August. The observed track of the Depression is shown in **Fig. 2**.

• Under the influence of an upper air cyclonic circulation over North Bay of Bengal off West Bengal-Bangladesh coasts, a Low Pressure Area formed over Northwest Bay of Bengal & neighbourhood at 0530 hrs IST of 23rd August. It lay over Gangetic West Bengal & adjoining areas of Jharkhand and north Odisha at 0830 hrs IST of 24th August; lay over Jharkhand & neighbourhood at 0830 hrs IST of 25th August; lay over south Uttar Pradesh & adjoining northeast Madhya Pradesh at 0830 hrs IST of 26th August; lay over southeast Uttar Pradesh & neighbourhood at 0830 hrs IST of 27th August; lay over northeast Uttar Pradesh & neighbourhood at 0830 hrs IST of 28th August and became less marked at 0530 hrs IST of 29th August.

Under the influence of an upper air cyclonic circulation over North Bay of Bengal & adjoining West Bengal-Bangladesh coasts, a Low Pressure Area formed over northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts at 0530 IST of 29th

August. It lay as a Well-Marked Low Pressure Area over the same region of northwest Bay of Bengal & adjoining West Bengal-north Odisha coasts at 0830 IST of 30th August. It lay over Gangetic West Bengal and adjoining areas of north coastal Odisha & northwest Bay of Bengal at 0830 IST of 31st August; lay over Gangetic West Bengal and adjoining areas of north coastal Odisha, Jharkhand & northwest Bay of Bengal at 0830 IST of 01st September; lay over northeast Madhya Pradesh & neighbourhood at 0830 IST of 2nd September, 2026.

Western Disturbances: During August 2026, seven Western Disturbances (WDs) affected the Western Himalayan Region and Northeast India. These systems were active during 2 – 4 Aug., 4 – 8 Aug., 8 – 15 Aug., 16 – 20 Aug., 20 – 21 Aug., 23 – 27 Aug. and 28 – 31 August, 2026.





भारत मौसम विज्ञान विभाग
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