

Brief History

The Meteorological Observatory, Guwahati was established on 18th January 1949 and the Meteorological Centre, Guwahati was established in October 1971. It was subsequently upgraded to Regional Meteorological Centre on 01 April 1997. It renders various meteorological services to the general public of the state of Arunachal Pradesh, Assam, Meghalaya, Nagaland Manipur, Mizoram and Tripura

Organisational Setup

To have efficient administrative control and better technical support, three Meteorological Centres, three aviation meteorological offices, 5 aeronautical meteorological stations, four meteorological observatories, one PET and three seismological observatories and a number of meteorological observatories are established in the region.



Climatic Information

Ever Recorded Extremes of Temperature and Rainfall upto 2019						
Station Name	Highest Maximum Temp (°C)	Date and Year	Lowest Minimum Temp (°C)	Date and Year	24-hour Highest Rainfall (mm)	Date and Year
Paalghat	48.8	07-07-1988	6.5	15-01-2003	111.7	05-10-1988
Itanagar	49.5	26-06-2015	5.7	19-12-2013	242.8	05-08-2011
Guwahati (A)	48.6	24-04-2018	3.0	19-01-1984	139.1	5-06-1994
Chirang (A)	48.7	26-06-2015	5.4	06-01-1983	231.5	10-05-1996
North Lakhimpur	48.9	25-08-2018	2.7	4-01-1994	261.8	13-07-1971
Tezpur	49.5 (B)	17-07-1975 / 02-08-1975	5.8	8-01-1985	184.9	30-08-1988
Barbel	48.5	05-07-2013	5.9	12-02-2008	149.3	01-07-2011
Dhubri	41.8	2-05-1960	2.4	18-01-1984	168.3	11-06-1989
Sikhar	49.8	19-07-2018	4.8	12-02-1985	190.5	30-05-1993
Shillong (C.S.O.)	30.2 (B)	04-04-1973 / 11-10-1996	-2.4	04-02-1975	273.1	25-08-1988
Chamonsaijan	41.1	06-09-1969	-1.0	18-01-1993	169.0	18-08-1995
Barapani (A)	45.2	5-09-2009	-2.6	15-01-2007	227.0	08-10-2004
Bahima	42.8	01-05-1988	0.8	11-01-2013	113.0	26-6-1985
Tezhat (A)	48.0	14-04-1999	-2.7	19-01-1979	238.8	30-07-1989
Lengpui	38.5 (B)	22-04-2000 / 24-04-2018	-4.4	01-03-2011	140.0	20-08-2005
Kalishahar	42.2	09-04-1960	2.4	15-01-1974	234.0	03-06-1965
Agnakali (A)	42.2	01-05-1960	2.0	18-12-1972	141.6	18-05-2018

Note: (B) in extreme value assigned more than once (C) Airport

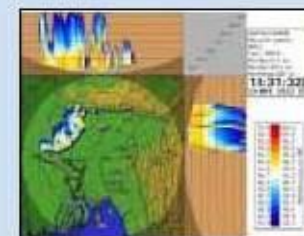
A Glimpse of visitors



Visitors from Water Resource Department, Royal Govt. of Bhutan



Visitors from POSOCO



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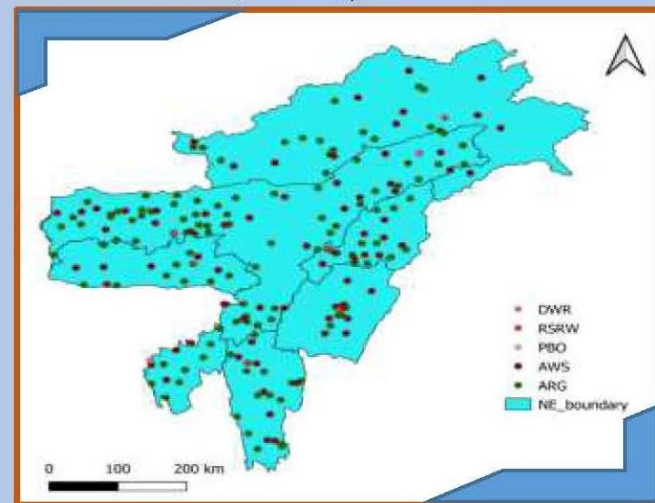
INDIA METEOROLOGICAL DEPARTMENT
 MINISTRY OF EARTH SCIENCES
 GOVERNMENT OF INDIA

Key Activities

- To take meteorological observations and to provide current information for optimum operation of weather-sensitive activities.
- To provide weather forecast and severe weather warnings at different spatial and temporal scales.
- To provide various meteorological statistics required for agriculture, water resource management and disaster management etc. and other similar activities.

Observational Network

To collect meteorological data surface, upper air and remotely sensed data, number of meteorological observatories and Automatic weather stations and Doppler Weather Radars are established across the region. There are 17 manual observatories, 69 Automatic Weather Stations, 138 Automatic Rain gauges, 7 upper air observatories. DWR, radiation, pollution etc.



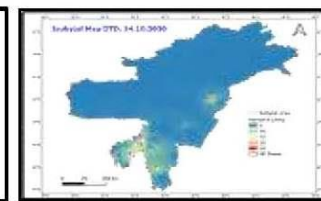
Services

- ✦ Collection of surface and upper air meteorological data at different parts of northeastern region and dissemination of these data to GTS through AMSS.
- ✦ Forecasts and warnings are issued for three meteorological sub-divisions in Northeast region viz. Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura with validity for 5 days with 2 days outlook.
- ✦ District level forecast and warnings are issued for the states of Arunachal Pradesh, Nagaland, Manipur, Mizoram and Assam validity for 5 days.
- ✦ Location specific local forecast for major cities of northeastern region for seven days
- ✦ Location specific forecast for major tourist places of northeastern region for seven days
- ✦ Impact based forecast due to severe weather with information regarding expected impact at district level.
- ✦ Impact based forecast due to severe weather with information regarding expected impact and suggested action for Guwahati city.
- ✦ Location specific nowcast for 11 locations of northeastern region with validity 3 hours.
- ✦ District level nowcast for the districts of Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur and Mizoram.
- ✦ Supply of weather and climate data to various users as per their requisition.
- ✦ **Sectoral Application:**
 - Nowcast for seven ferry routes along the River Brahmaputra and one along the river Barak of Assam for smooth operation of ferry services by Inland Water Transport Department, Govt. of Assam.
 - Forecast for Defense
 - Issuance of Quantitative Precipitation Forecast for 20 sub-catchments of Brahmaputra and Barak Basins during the flood season.
 - Districtwise 5-day district level weather forecast for preparation of district level Agromet Advisory Service bulletins through AMFU and SAU.
 - Weather forecasts for Aviation services
 - Special weather forecast for important events, sports and festivals in north-eastern region.
 - VVIP forecast as and when required.

Reports

- ✦ **Publishing of reports on**
 - Daily weather report for Northeastern region
 - Weekly weather report for Northeastern region
 - Current weather conditions and Extended Range outlook for next two weeks

Weather Services on Map



Users and Stakeholders



Awareness Programme

