

Meteorological Observation & Forecast Service

District level Forecast & Warning: Past weather events and 5 days forecast & warning for each districts with outlook of 2 days (issued daily).

Nowcast: District wise nowcast for thunderstorms, heavy rain etc. (issued at 3 hour interval).

Highway forecast: Forecast for expected weather conditions enroute National highways of the state.

Special daily weather bulletin: Bulletin for Severe weather activities (cyclone, heavy rain, cold waves, heat waves etc.).

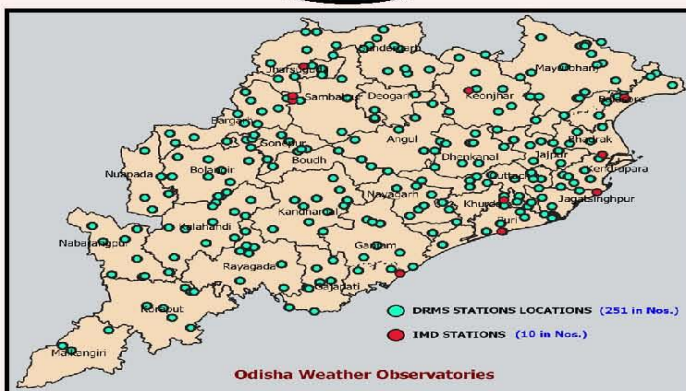
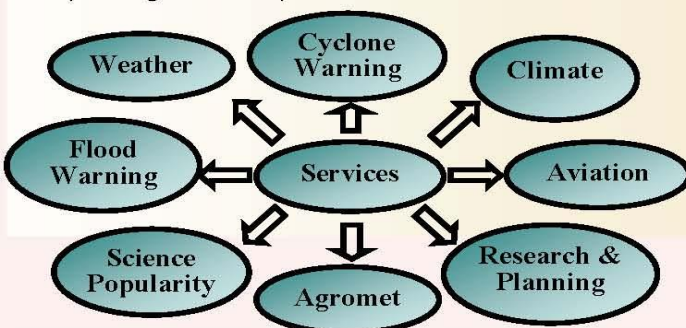
Agro Advisory for farmers: Agromet advisory bulletins issued for the state on every Tuesday and Friday.

Heavy rainfall Advisory for Capital city area: Impact based forecast/warning for Bhubaneswar & Cuttack city.

City forecast: Weather forecast for all important cities in the state.

Aviation Service: Aviation service of the state monitored and forecast for Bhubaneswar and Jharsuguda airport issued from AMO BBSR.

Hydromet Service: Rainfall Bulletin and QPF are issued daily during Monsoon period.



IMD & DRMS Weather Observatories in Odisha



Meteorological Centre Bhubaneswar

The Meteorological Observatory was established on 1st July 1948 in the premises of Civil Aerodrome Campus, towards extreme southwest corner of the city Bhubaneswar, which later on upgraded to Meteorological Centre, and moved to its own building in the year 1975 and proffering the meteorological services of the state.

Monthly Normal Rainfall of Odisha (in mm)

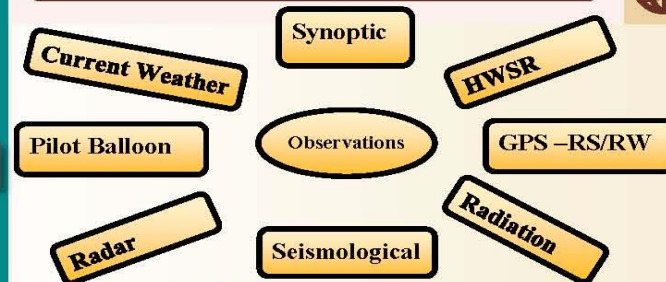


Bhubaneswar at a Glance:

- Highest Maximum Temperature ever recorded 46.7°C (05th June 2012)
- Lowest Minimum Temperature ever recorded 8.2°C (30th December 2018)
- Highest Rainfall Recorded during 24 Hours 426.4 mm (30th October 1999)



Observations in MC Bhubaneswar



Doppler Weather Radar , Gopalpur



AWS at MC



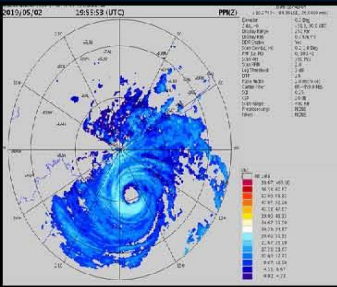
RS/RW Balloon Launching



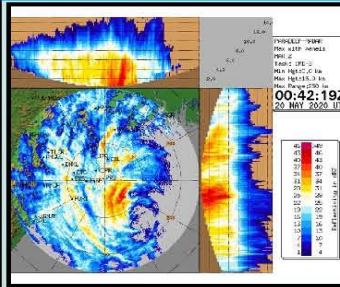
Paradeep Radar

Observational Network:

- 28 surface observatories (10 Departmental & 18 part-time observatories)
- 1 Aerodrome Meteorological office
- 1 Aeronautical Meteorological Stations
- 4 Pilot balloon observatories
- 2 Doppler Radar Station
- 3 RS/RW & 3 Seismo Stations
- 1 Radiation observatory
- 10 Agricultural observatories
- 251 Rain gauge stations in different scheme
- Additionally, district level AWSs & sub district level ARGs.



FANI in Gopalpur Radar



AMPHAN in Paradeep Radar

Cyclonic Warning Centre Bhubaneswar:

Pre-cyclone watch: Issued to Chief Secretary and Senior Officials indicating formation of a cyclonic disturbance— potential to intensify a Tropical Cyclone and the coastal belt likely to be affected.

Cyclone Alert: Issued at least 48 hrs in advance indicating expected adverse weather conditions.

Cyclone Warning: Issued at least 24 hrs in advance indicating latest position of Tropical Cyclone, intensify, time and point of landfall, storm surge height, type of damages expected and actions suggested.

Post-Landfall Outlook: Issued about 12 hrs before landfall & till cyclone force winds prevail; District Collectors of interior districts besides the coastal areas are also informed.

**** Finally a 'De-Warning' message is issued when the Tropical Cyclone weakens into Depression stage.**



AWOS



Educational Visit (WMO Day)



"MAUSAM App" : Location specific forecast and warning



"Damini App": Lightning warning



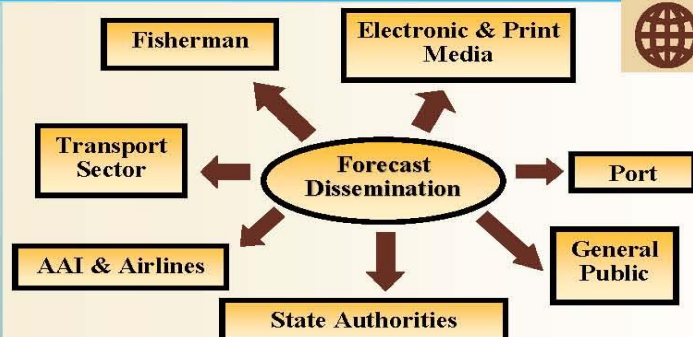
"Meghdoot App": Agromet advisory



@mcbbbsr



MC Bhubaneswar



Forecast Dissemination: Dissemination of weather Forecast/Warning to different Stakeholders through email, various social media platform like Facebook, Twitter, Whatsapp etc.

Achievements

- Met Centre Bhubaneswar was awarded as 'Best Met Centre' for the year 2019.
- Many appreciation received from different stakeholders for successful monitoring & service for recent severe weather events like Cyclone Fani, Bulbul, Amphan etc.
- Five new part time observatories are established during last year & many rain gauge stations are added in DRMS network.
- Special forecast & impact based forecast for districts and capital city area are introduced in the recent year.
- About 8 numbers of students has done their summer internship project at MC Bhubaneswar and many other educational institute visited MC Bhubaneswar in recent year.

CONTACT US

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Best Met Centre Award 2019

TYPES OF POTENTIAL DAMAGES ACCOMPANYING TROPICAL CYCLONES

