



Severe Weather Advisory Bulletin: 24 hour forecast of severe weather issued daily throughout the year by Nowcast Unit, NWFC. It highlights potential areas for Severe Weather (Heavy Rainfall/ Thunderstorm & Associated Phenomenon) in text as well as visual form.

FDP STORM Bulletin: Issued daily during May to June every year by Nowcast Unit, NWFC. It contains detailed analysis of current situation, NWP model forecast guidance and past 24 hour realized weather over the country.

Nowcast Warning Bulletin: 3 hourly detailed nowcast of severe weather and associated impact information at district level issued throughout the year by Meteorological Centres to stake holders through SMS and e-mail.

Nowcast Guidance: 3 hour updation of Nowcasts on IMD website by Meteorological Centres. Significant cities, towns district HQs https://mausam.imd.gov.in/imd_latest/contents/stati onwise-nowcast-warning.php All districts of India https://mausam.imd.gov.in/imd_latest/contents/distri ctwisewarnings.php

For further details kindly contact Nowcast Unit, NWFC, IMD Mausam Bhawan, Lodi Road, New Delhi - 110003 Tel: 011, 24653948, 011-43824241 srf.tropmet.res.in/srf/ts_prediction_system/index.php



Government of India Nowcast Services of IMD

- •In the year 2013, a three hourly nowcast system of thunderstorm, squall and hail storm was developed by IMD for 120 stations in India.
- 971 Nowcast stations at present for issuing 18 different three hourly severe weather warnings nowcast warnings.
- •Three hourly Nowcast for all the districts of country started in 2019.
- •Daily 24 hour Severe Weather Advisory for Nowcast Guidance Bulletin is issued throughout the year.
- •Thunderstorm Observation and Regional Modelling (STORM) – FDP STORM project is conducted every year during March to June.
- •A daily FDP bulletin containing two days severe weather advisory (IOP) is issued during FDP.
- •Severe Weather bulletin from Nowcast Centres to stake holders in case of severe weather.



NOWCAST OBSERVATION TOOLS

Doppler Radar Network



INSAT 3D and INSAT 3DR



Lightning Products 2021-03-21 13:29:51UTC



3 hour Thunderstorm Nowcast Verification Scores



THUNDERSTORM RESEARCH FDP STORM Reports Published by the Nowcast Unit

STORMS 2019: FPORT

1. "Spatial patterns of long-term trends in thunderstorms in India." 2021. Natural Hazards, pp.1-14.

2. "A new paradigm for short range forecasting of severe weather over the Indian region" 2021. Meteorology and Atmospheric Physics.

NOWCAST DISSEMINATION

Cumulative Number of Nowcast Stations



Nowcast Warning SMS/Whatsapp Message

Weather Section Hyderabad (+917901090675) sent: In view of the thunderstorm and hail storm occurrences over Telangana State. District levels officers/SDMA are requested to intimate the above information if it comes to your notice (place, date and approximate group whatsapp. time) through weather

ම පංග ක හැ කිංගු ఉరుములమరియు వడగండ్ల వర్షం వంజీ వాతావరణ పరిఫ్రితులు ఏర్పడినప్పడు అవి ఏర్పడిన (పదోశం , తెది , సమయంసుమారుణ వంజీ సమాచారం మీ దృఫ్తికి దృష్టికి





