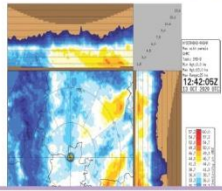


DOPPLER WEATHER RADAR

State-of-the-art S-band Doppler Weather Radar of M/s Metstar make is **DWR** capable of weather surveillance effectively up to 250km (potentially up to 500km) around Hyderabad. It generates imageries derived from volume scan depicting location and intensity of clouds, expected rainfall from these clouds, horizontal winds, wind shear etc. The imageries serve as very good tool for weather analysis and forecasting. They are automatically updated to IMD website at 10 minutes interval.



Max(dBZ), 25Km around Greater Hyderabad Region

Radar is being widely utilized for issuing forecast and by Greater Hyderabad Municipal corporation (GHMC) Disaster Response Team and public for mitigation process.

OTHER ACTIVITIES: Indian Meteorological Society (IMS) Hyderabad, TSDPS in collaboration, UNICEF Hyderabad branch, IMD Hyderabad and Telangana Disaster Management Department organized Workshop involving all Stakeholders, officials from line departments to discuss related issues to improve the quality, strength of dissemination of various weather advisories/warnings through multi channels, preparation and popularization of districts/mandal level advisories on Extreme Weather Events such as heat wave, thunder storm and hail storm for the benefit of public and agricultural operations, and development of earlier feedback mechanism etc. Various academic institutes such as IIT(Hyderabad), JNTU, Osmania University, other engineering colleges and NGOs participated.

AGRICULTURAL ADVISORY BULLETINS:

Agrometeorological Advisory Unit was established in 1987 to extend meteorological services to the farming community in the state. This Unit also issues Bi-weekly Bi-Lingual Agrometeorological and Agriculture Bulletins on Tuesday and Friday in coordination with JayashankarTelangana State Agricultural University, AMFUs, DAMUS and KVKs. The Bulletin reflects the Significant past Weather phenomena prevailed and the forecast with Heavy Rainfall Warnings, is any. The Department of Agriculture, Telangana provides the inputs regarding Crop condition along with the Pests & Diseases and remedies to be followed to prevent them. These bulletins/warnings are transmitted through social media via, Whatsapp, Facebook, Instagram, emails, AIR, Doordarshan for broadcast in local language for use of farmers and other user agencies. Under GKMS Programme, VC conducted with AMFU, KVK, DAMU Personnel every week on Thursday.

Agromet DSS:

https://agromet.imd.gov.in/index.php/login/login_formAgromet-Pune: <http://imdagrmet.gov.in/imdproject/AGIndex.php>

CLIMATOLOGY:

Climatological section at Hyderabad organizes the scrutiny and archival of past meteorological data and maintains the database for answering various weather related enquiries in both Telangana and Andhra Pradesh. This data have wide applications and are utilized for planning large-scale national development projects both by public and private. Meteorological observatories and rain gauges are periodically inspected by the inspectorate section to ensure maintenance, calibration, functioning and accuracy of Meteorological instruments.

STATE INSTRUMENTS MAINTAINENCE CENTRE (SIMC)

SIMC was formed in 2010 for the purpose of inspection and maintenance of all instruments installed at various observatories in both Telangana and Andhra Pradesh, besides the Automatic Weather Stations/Automatic Rain Gauges. It oversees the functioning and activities of Zonal Instruments Maintenance Units and Field Maintenance Units also.

Social Media Links:



<https://www.youtube.com/channel/UCgFcdtiKuvTFJpdnIzZmoNA/featured>



<https://www.facebook.com/imd.hyd.3>



<https://twitter.com/metcentrehyd>



<https://www.instagram.com/meteorologicalcenter>



Land line: Ph: 040 27908506,27908507



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Meteorological Centre

Hyderabad

India Meteorological Department

Serving the Nation since 1875



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Hyderabad-500016**

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www.imdhyderabad.gov.in

HISTORY

The old observatory was started in Hyderabad on 10th November 1891, in the Nizamiah observatory building located on the top of the ridge. Later, it was shifted to Old Begumpet Airport in 1926. The observatory was upgraded to 'meteorological centre' in 1973 to extend meteorological services to the state.