

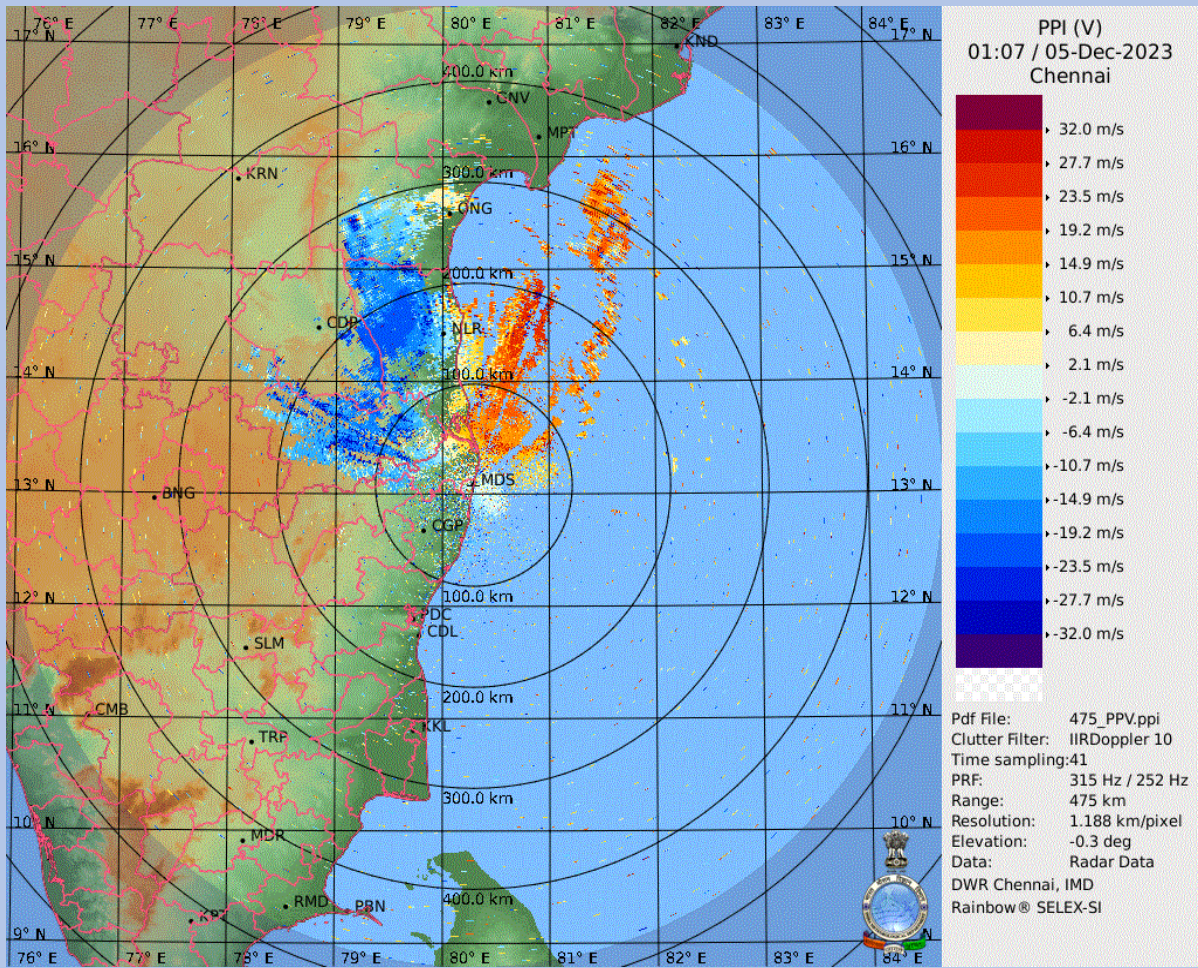
DWR CHENNAI CYCLONE BULLETIN

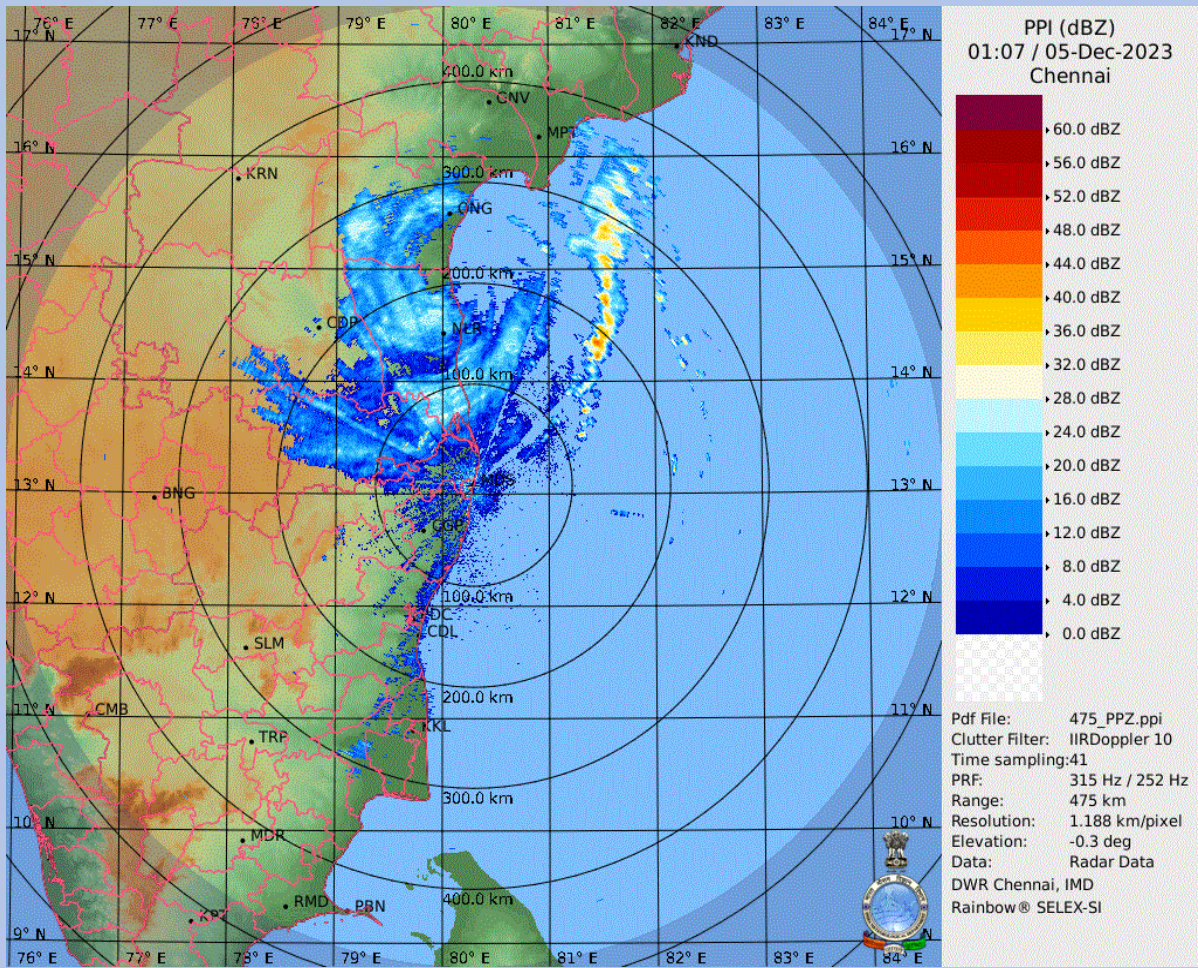
BULLETIN NO: 33

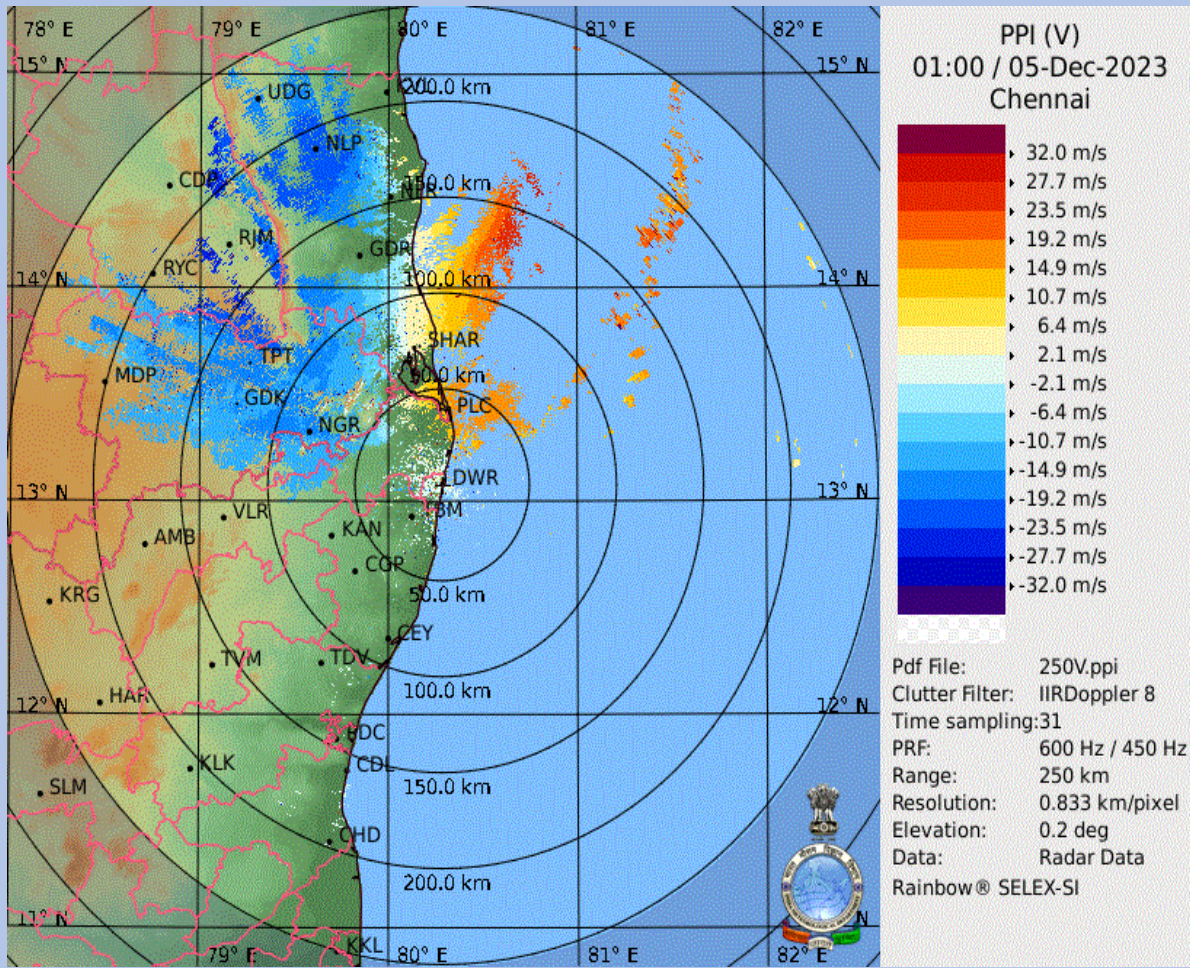
CYCLONE:Michaung TIME: 06:30 IST

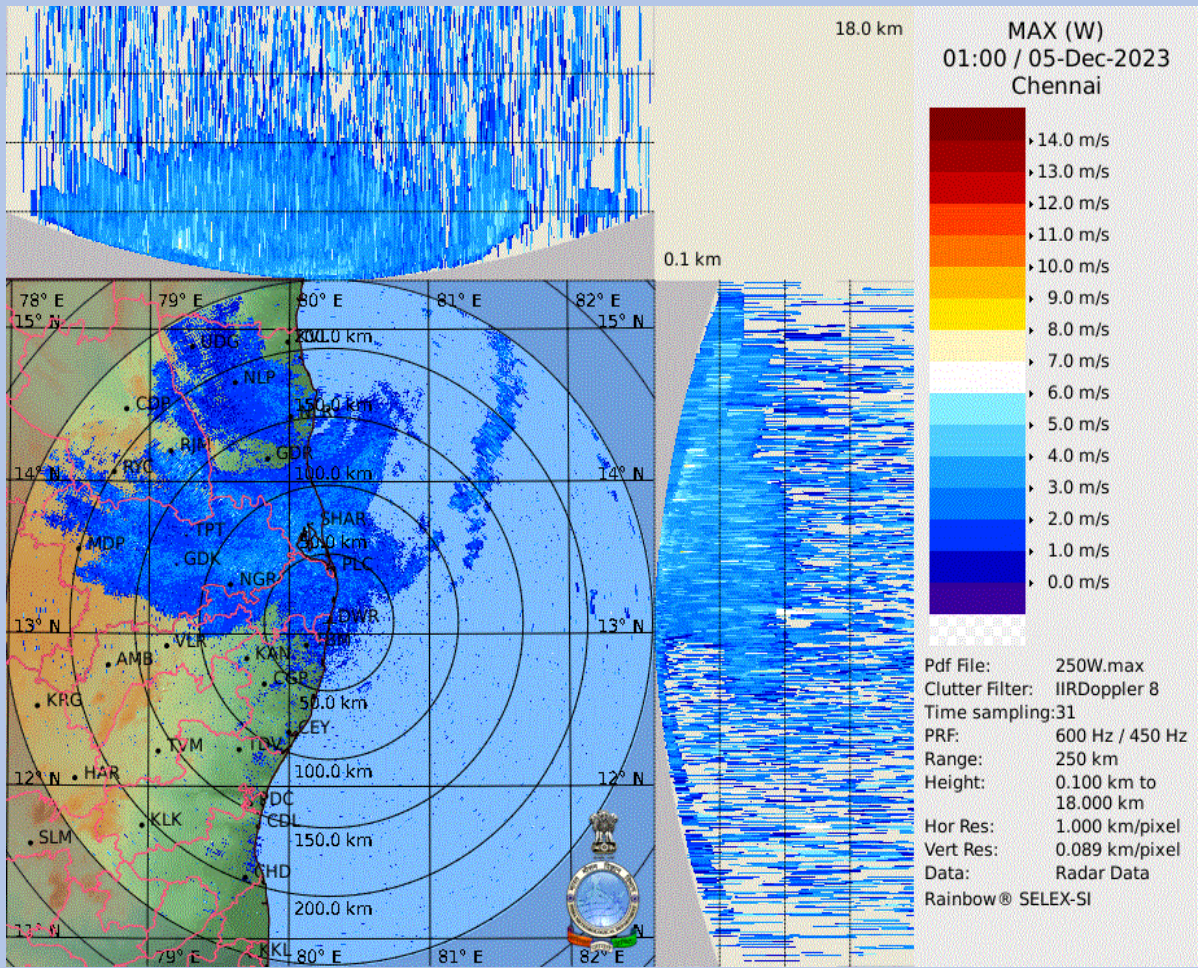
| | | |
|----|---|--|
| 1. | Name of the station | DWR CHENNAI |
| 2. | Date and Time of Observation (UTC) | 20231205 / 01:00 UTC |
| 3. | Name of the Cyclone | Michaung |
| 4. | (A) Information about the eye of the Cyclone | |
| | a) Is the Eye Visible | No |
| | b) Shape of the Eye | ---- |
| | c) Diameter of the Eye(km) | nankm / nankm |
| | d) Estimation of centre of the cyclone based on Eye/spiral band observation | 15.0673⁰N,80.0560⁰E |
| | (B) Other features of the cyclone | |
| | e) Echo top (height 20 dBZ level) of rain bearing clouds around the cyclone within 100 Km radius (km) | 7.08km |
| | f) Maximum radar reflectivity (dBZ) in the eye wall/spiral band region,its height (km) and position (azimuth and distance from the radar) | 19.50 dBZ 2.00 km (349.10deg, 176.10km) |
| | g) Maximum reflectivity at any other area (spiral/streamers etc) | 42.00dBZ 3.00km (43.40deg, 182.50km) |
| | h) Maximum radial velocity in eye wall/spiral band region (mps), its height (km) and its position (azimuth and distance from the Radar) | 23.76m/s 1.18km (15.70deg, 189.70km) |
| | i) Maximum velocity in any other area (spiral /streamers / rain shields etc) | 24.28m/s 1.48km (320.60deg, 206.20km) |
| 5. | Tendency of the Cyclone | |
| | 1) Intensity(Increasing/Decreasing) | decreases |
| | 2) Duration for which the information on movement pertains to | 6 hr |
| | 3) Direction of Movement | NNW |
| | 4) Estimated speed of Movement | 11.08 kmph |
| 6. | Any other Significant Feature | Almost stationary |
| 7. | Confidence | FAIR |

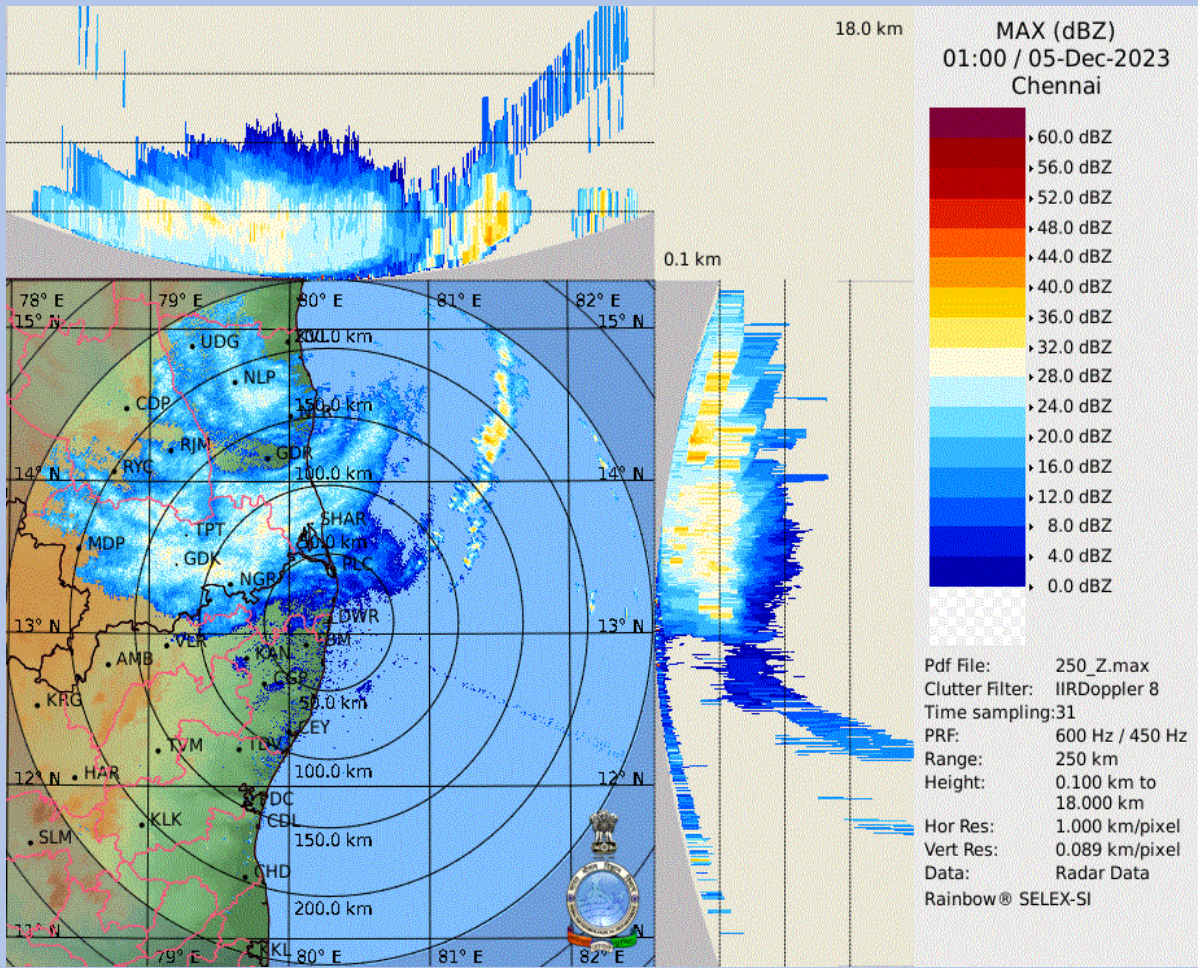
**OFFICER INCHARGE
DWR Chennai**





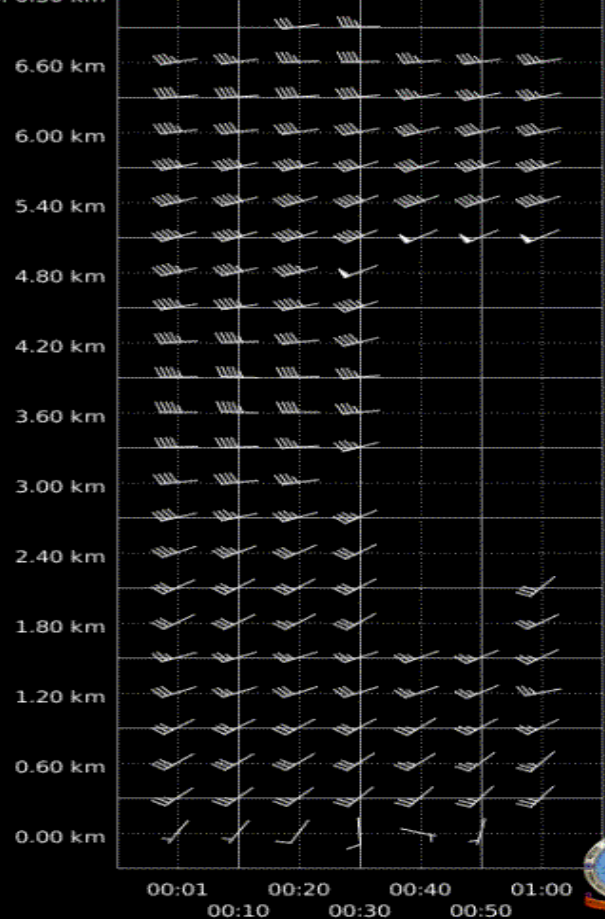






Step: 0.30 km

VVP



VVP (V)
01:00 / 05-Dec-2023
Chennai

Pdf File: 30.vvp
Range: 0 km to 30 km
Clutter Filter: IIRDoppler 8
Time sampling:31
PRF: 600 Hz / 450 Hz
Alg type: Complete
Elevation: 0.2 deg to 21.0 deg
Second reg: On

DWR Chennai, IMD
Rainbow® SELEX-SI