
CYCLONE REPORT No: 31

1. Name of the Station : DWR VISAKHAPATNAM
2. Date and Time (UTC) of observation : 201410120230
(yyyymmddhhmm)
3. Name of the Cyclone (if declared) : HUDHUD
4. Information about Eye of the Cyclone :
 - a. Is the eye visible (yes/No) : YES
 - b. Shape of the Eye : WEAK ELLIPTIC EYE
 - c. Diameter of the Eye (km) : 41.0 KMS
 - d. Estimation of centre of the cyclone based on Eye/spiral band observation : EYE, 17.38 N, 83.78 E / 130.6 Deg / 61.5 Kms
 - e. Echo top (height 20 dBZ level) of rain bearing Clouds around the cyclone within 100 Km Radius (km) : 10.6 KMS
 - f. (i) Maximum radar reflectivity (dBZ) & rainfall: 48.0 dbZ
Rate (mm/h) in the eye wall/spiral band 158.1 / 55.4 kms
Region, its height (km) and position
(Azimuth and distance from the radar)
(ii) Maximum reflectivity at any other area : -
(Spiral/ streamers etc)
(iii) Maximum reflectivity at any other area :
(Out of spiral/ streamers etc)
 - g. (i) Maximum radial velocity in eye wall/spiral Band region (mps), its height (km) and its Position (azimuth and distance from the Radar) : 65.0 MPS
(ii) Maximum velocity in any other area : -
(Spiral / streamers / rain shields etc)
5. Tendency of the Cyclone :
 - a. Intensity (Increasing/Decreasing) : --
 - b. Duration for which the information on Movement of the system pertains to : half hrly-
 - c. Direction of movement : NW ly
 - d. Estimated speed of movement (km/h) : 12.3
6. Any other significant feature(s) : NA