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## **CYCLONE REPORT No:8**

1. Name of the Station : DWR VISAKHAPATNAM
2. Date and Time (UTC) of observation : 201410110500  
(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 : CLOSED EYE
  - c. Diameter of the Eye (km) : 47.0 KMS
  - d. Estimation of centre of the cyclone based on Eye/spiral band observation : EYE, 15.98 N, 85.30 E / 133.2Deg / 286.0Kms
  - e. Echo top (height 20 dBZ level) of rain bearing Clouds around the cyclone within 100 Km Radius (km) : 12.4 KMS
  - f. (i) Maximum radar reflectivity (dBZ) & rainfall: 42.5 dbZ  
Rate (mm/h) in the eye wall/spiral band 3.5 kms, 139.7/290.3 kms  
Region, its height (km) and position  
(Azimuth and distance from the radar)
  - (ii) Maximum reflectivity at any other area : 48.5 dbZ (AZ 131.8/162.9 KM)  
(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) : 42.2MPS AT 6.1 KMS ASL
  - (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 : 3hrly-
  - c. Direction of movement : NW ly
  - d. Estimated speed of movement (km/h) : 7.4
6. Any other significant feature(s) : NA