



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

Earth System Science Organisation
Ministry of Earth Sciences

PRESS RELEASE

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Sub: Severe Cyclonic Storm, HELEN over westcentral Bay of Bengal

Cyclone Warning for Andhra Pradesh coast: Orange Message

Yesterday's cyclonic storm 'HELEN' over west central Bay of Bengal intensified into a severe cyclonic storm in the early morning of today, the 21st November 2013 and lay centred at 0830 hrs IST of today near latitude 15.8^oN and longitude 83.4^oE about 240 km east-southeast of Machillipatnam, 350 km east-northeast of Ongole and 210 km south-southeast of Vishakhapatnam. It would move northwestwards slowly for some time, then westward and cross Andhra Pradesh coast near Machillipatnam around afternoon/evening of 22nd November 2013.

Track and intensity forecasts of the system are given in the table below:

Date/Time(IST)	Position (Lat. ^o N/ long. ^o E)	Maximum sustained surface wind speed (kmph)	Category
21-11-2013/0830	15.8/83.4	90-100 GUSTING TO 110	SEVERE CYCLONIC STORM
21-11-2013/1130	15.9/83.2	95-105 GUSTING TO 115	SEVERE CYCLONIC STORM
21-11-2013/1730	16.1/82.8	100-110 GUSTING TO 120	SEVERE CYCLONIC STORM
21-11-2013/2330	16.2/82.4	100-110 GUSTING TO 120	SEVERE CYCLONIC STORM
22-11-2013/0530	16.2/82.0	100-110 GUSTING TO 120	SEVERE CYCLONIC STORM
22-11-2013/1730	16.2/81.2	100-110 GUSTING TO 120	SEVERE CYCLONIC STORM
23-11-2013/0530	16.0/79.7	85-95 GUSTING TO 105	CYCLONIC STORM
23-11-2013/1730	15.8/78.2	55-65 GUSTING TO 75	DEEP DEPRESSION
24-11-2013/0530	15.6/76.6	30-40 GUSTING TO 50	LOW

Warning for Andhra Pradesh

(i) Rainfall

Under its influence, rainfall at most places with heavy to very heavy rainfall at a few places and isolated extremely heavy rainfall (25cm or more) would occur over coastal Andhra Pradesh during next 48 hrs commencing from 21st November 2013 night. Rainfall at most places with isolated heavy to very heavy falls would occur over Rayalseema and Telangana on 22nd and 23rd November. Moderate rainfall would occur at many places over south Odisha during next 48 hrs.

(ii) Squally/Gale Winds

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off south Andhra Pradesh coast commencing from 21st November 2013 evening. The wind speed would gradually increase upto gale wind speed of 100-110 kmph, gusting to 120 kmph at the time of landfall over Guntur, Krishna, east and west Godavari districts. Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail along and off remaining parts of Andhra Pradesh coasts commencing from 21st evening and reach upto 60-70 kmph at the time of landfall.

(iii) Storm Surge

Storm surge of about 1 to 1.5m height above astronomical tide would inundate the low lying areas of Guntur, Krishna, west and east Godavari districts of Andhra Pradesh at the time of landfall.

(iv) Sea condition

Sea condition will be rough to very rough along and off central parts of Andhra Pradesh coasts from 21st November 2013 evening, becoming very high from 22nd November 2013 morning onwards. It will be rough to very rough along and off remaining parts of north Andhra Pradesh coasts during the same period.

(v) Damage expected due to a cyclonic storm over coastal Andhra Pradesh

Extensive damage to thatched roofs and huts. Minor damage to power and communication lines due to uprooting of large avenue trees. Flooding of escape roots.

(vi) Action Suggested for Andhra Pradesh coast

Total suspension of fishing operations. Coastal hutment dwellers to be moved to safer place. People in affected areas to remain indoors.

Kindly visit cyclone page of IMD website (www.imd.gov.in) for updates.

