

Time of issue: 0500 hours IST

Dated: 11-10-2013

Bulletin No.: BOB 04/2013/20 (Orange Message)

**Sub: Very Severe Cyclonic Storm, PHAILIN over East central Bay of Bengal:
Cyclone Warning for North Andhra Pradesh and Odisha Coast.**

The very severe cyclonic storm, **PHAILIN** over east central Bay of Bengal moved westwards slightly intensified further and lay centred at 0230 hrs IST of 11th October 2013 near latitude 15.5°N and longitude 89.00°E, about 590km south-southeast of Paradip, 600km southeast of Gopalpur, and 600km east-southeast of Kalingapatnam. It would move northwestwards and cross north Andhra Pradesh and Odisha coast between Kalingapatnam and Paradip, close to Gopalpur (Odisha) by evening of 12th October, 2013 as a very severe cyclonic storm with a maximum sustained wind speed of 205-215 kmph.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
11-10-2013/0230	15.5/89.0	185-195 gusting to 210	Very Severe Cyclonic Storm
11-10-2013/0530	16.0/88.5	190-200 gusting to 215	Very Severe Cyclonic Storm
11-10-2013/1130	16.4/87.7	200-210 gusting to 225	Very Severe Cyclonic Storm
11-10-2013/1730	17.0/86.9	200-210 gusting to 225	Very Severe Cyclonic Storm
11-10-2013/2330	17.4/86.3	205-215 gusting to 230	Very Severe Cyclonic Storm
12-10-2013/0530	17.9/85.8	205-215 gusting to 230	Very Severe Cyclonic Storm
12-10-2013/1730	19.2/85.0	205-215 gusting to 230	Very Severe Cyclonic Storm
13-10-2013/0530	20.2/84.5	80-90 gusting to 100	Cyclonic Storm
13-10-2013/1730	21.2/84.2	50-60 gusting to 70	Deep Depression
14-10-2013/0530	22.2/83.8	40-50 gusting to 60	Depression

(A) Warning for Odisha, Andhra Pradesh and West Bengal

(i) **Heavy Rainfall:** Under the influence of this system, rainfall at most places with heavy to very heavy falls at a few places with isolated extremely heavy falls (≥ 25 cm) would occur over coastal Odisha commencing from 12th October 2013 morning. It would continue and extend to interior Odisha and coastal areas of Gangetic West Bengal from 13th morning. Rainfall at most places with heavy to very heavy rainfall would also occur at a few places over north coastal Andhra Pradesh commencing from 12th Oct 2013 and isolated heavy to very heavy rainfall would occur over coastal areas of West Bengal commencing from 13th Oct. 2013.

(ii) **Gale wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would commence along and off Odisha and north Andhra Pradesh coast from 11th morning. It would increase in intensity with gale wind speed reaching 205-215 kmph along and off coastal districts of north coastal Andhra Pradesh and south Odisha at the time of landfall. State of Sea along and off Odisha and north Andhra Pradesh coast will be rough to very rough from 11th morning and will become phenomenal on 12th October 2013. It will be rough to very rough along and off West Bengal coast during the above period.

(iii) **Storm Surge Guidance:** Storm surge with height of around 2.0-2.5 m above astronomical tide would inundate low lying areas of Ganjam, Khurda, Puri and Jagatsinghpur districts of Odisha and Srikakulam district of Andhra Pradesh during landfall.

(iv) **Damage expected over Odisha and adjoining north Andhra Pradesh:** Extensive damage to kutch houses. Some damage to old buildings. Large scale disruption of power and

communication lines. Disruption of rail and road traffic due to extensive flooding. Potential threat from flying debris. Flooding of escape routes. Extensive damage to agricultural crops.

(v) Action suggested: Fishermen out at sea along north Andhra Pradesh, Odisha and West Bengal coast are advised to return to coast. Fishermen are advised not to venture into sea.

Following actions are suggested when the cyclone would be 500 km from the coast (from 11th October 2013).

Total suspension of fishing operations. Mobilise evacuation from coastal areas. Judicious regulation of rail and road traffic. People in affected areas to remain indoors during cyclone landfall.

(B) Warning for Andaman and Nicobar Islands

(i) Heavy rainfall

Under the influence of this system, rainfall at most places with isolated heavy to very heavy falls would occur over Andaman Islands during next 12 hrs..

(ii) Squally wind

Squally winds speed reaching 40 - 50 kmph gusting to 60 kmph would continue to prevail over Andaman Islands and adjoining sea areas during next 12 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during next 12 hrs.

Fishermen are advised not to venture into the sea during next 12 hrs.

The next bulletin will be issued at 0830 hrs IST of today, the 11th October, 2013.