



**India Meteorological Department  
Earth System Science Organisation  
(Ministry of Earth Sciences)**

**BULLETIN NO. : 01 (BOB/10/2018)**

**TIME OF ISSUE: 0930 HOURS IST**

**DATED: 13.12.2018**

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**Sub: Depression over southeast Bay of Bengal: Pre-cyclone watch for Andhra Pradesh Coast**

Latest satellite imageries and surface observations indicate that a depression has formed over southeast Bay of Bengal and lay centred at 0530 hrs IST of today, the 13<sup>th</sup> December, 2018 near latitude 6.5°N and longitude 88.7°E, about 850 km east-southeast of Trincomalee (Sri Lanka), 1170 km southeast of Chennai (Tamil Nadu) and 1350 km south-southeast of Machilipatnam (Andhra Pradesh). It is very likely to intensify further into a deep depression during next 12 hours and into a Cyclonic Storm during the subsequent 24 hours. It is very likely to move northwestwards towards Andhra Pradesh & adjoining north Tamil Nadu coast during next 72 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
13.12.18/0530	6.5/88.7	40-50 gusting to 65	Depression
13.12.18/1130	7.0/88.4	45-55 gusting to 65	Depression
13.12.18/1730	7.5/88.0	50-60 gusting to 70	Deep Depression
13.12.18/2330	8.0/87.5	55-65 gusting to 75	Deep Depression
14.12.18/0530	8.5/87.0	60-70 gusting to 80	Cyclonic Storm
14.12.18/1730	9.5/85.7	70-80 gusting to 90	Cyclonic Storm
15.12.18/0530	10.8/84.4	80-90 gusting to 100	Cyclonic Storm
15.12.18/1730	12.2/83.2	90-100 gusting to 110	Severe Cyclonic Storm
16.12.18/0530	13.6/82.2	100-110 gusting to 120	Severe Cyclonic Storm

**Warnings:**

**(i) Heavy rainfall warning**

- Rainfall at most places with heavy to very heavy falls at isolated places likely to commence over coastal Andhra Pradesh and north coastal Tamil Nadu on 15<sup>th</sup> December.

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**

**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

- Rainfall at most places with heavy to very heavy falls at a few places and extremely heavy falls ( $\geq 20$  cm) at isolated places likely over coastal Andhra Pradesh on 16<sup>th</sup> December and isolated heavy falls on 17<sup>th</sup>.

**(ii) Wind warning**

- **13<sup>th</sup> December:** Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over central parts of south Bay of Bengal and adjoining Equatorial Indian Ocean.
- **14<sup>th</sup> December:** Gale wind speed reaching 65-75 kmph gusting to 85 kmph is very likely over southwest & adjoining southeast Bay of Bengal.
- **15<sup>th</sup> December:**
  - Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to commence along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry coasts from morning.
  - Gale wind speed reaching 90-100 kmph gusting to 110 kmph is likely to prevail over southwest & adjoining westcentral Bay of Bengal.
- **16<sup>th</sup> December:**
  - Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail along & off coastal Andhra Pradesh from morning and will increase gradually thereafter. Squally wind speed reaching 45-55 kmph gusting to 65 kmph over north Tamil Nadu & Puducherry coast.
  - Gale wind speed reaching 100-110 kmph gusting to 120 kmph is likely to prevail over westcentral & adjoining southwest Bay of Bengal.

**(iii) Sea condition**

The sea condition is very likely to be rough to very rough over central parts of south Bay of Bengal and adjoining Equatorial Indian Ocean on 13<sup>th</sup> and high over southwest & adjoining southeast Bay of Bengal on 14<sup>th</sup>. The sea condition is very likely to be high to very high over southwest & adjoining westcentral Bay of Bengal on 15<sup>th</sup> and over westcentral & adjoining southwest Bay of Bengal on 16<sup>th</sup>.

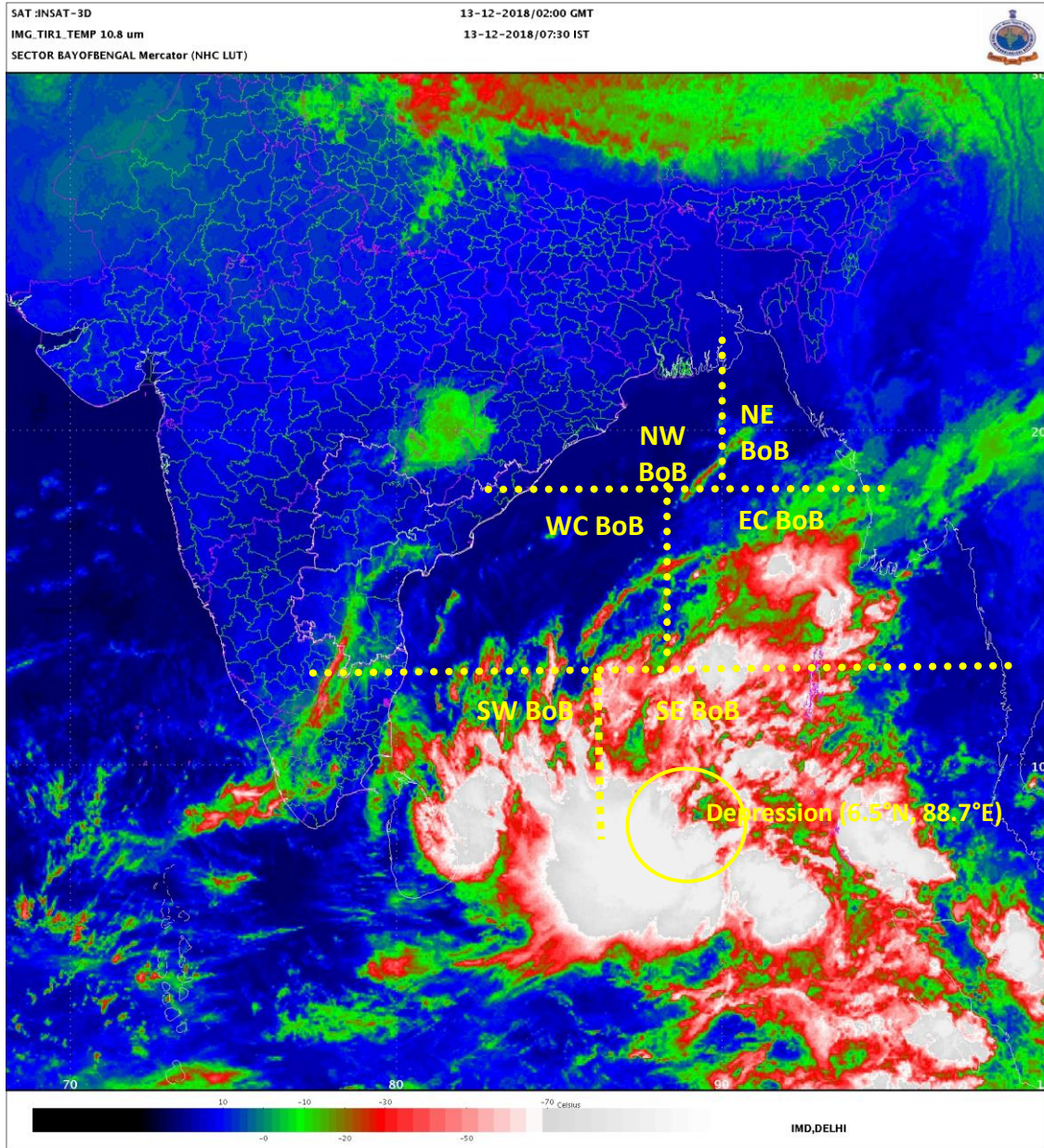
**(iv) Fishermen Warning**

- The fishermen are advised not to venture into central parts of south Bay of Bengal & adjoining Equatorial Indian Ocean on 13<sup>th</sup>, into southwest & adjoining southeast Bay of Bengal on 14<sup>th</sup>, into southwest & adjoining westcentral Bay of Bengal on 15<sup>th</sup> and westcentral & adjoining southwest Bay of Bengal on 16<sup>th</sup> December.
- Those, who are out in deep sea areas are advised return to the coast.

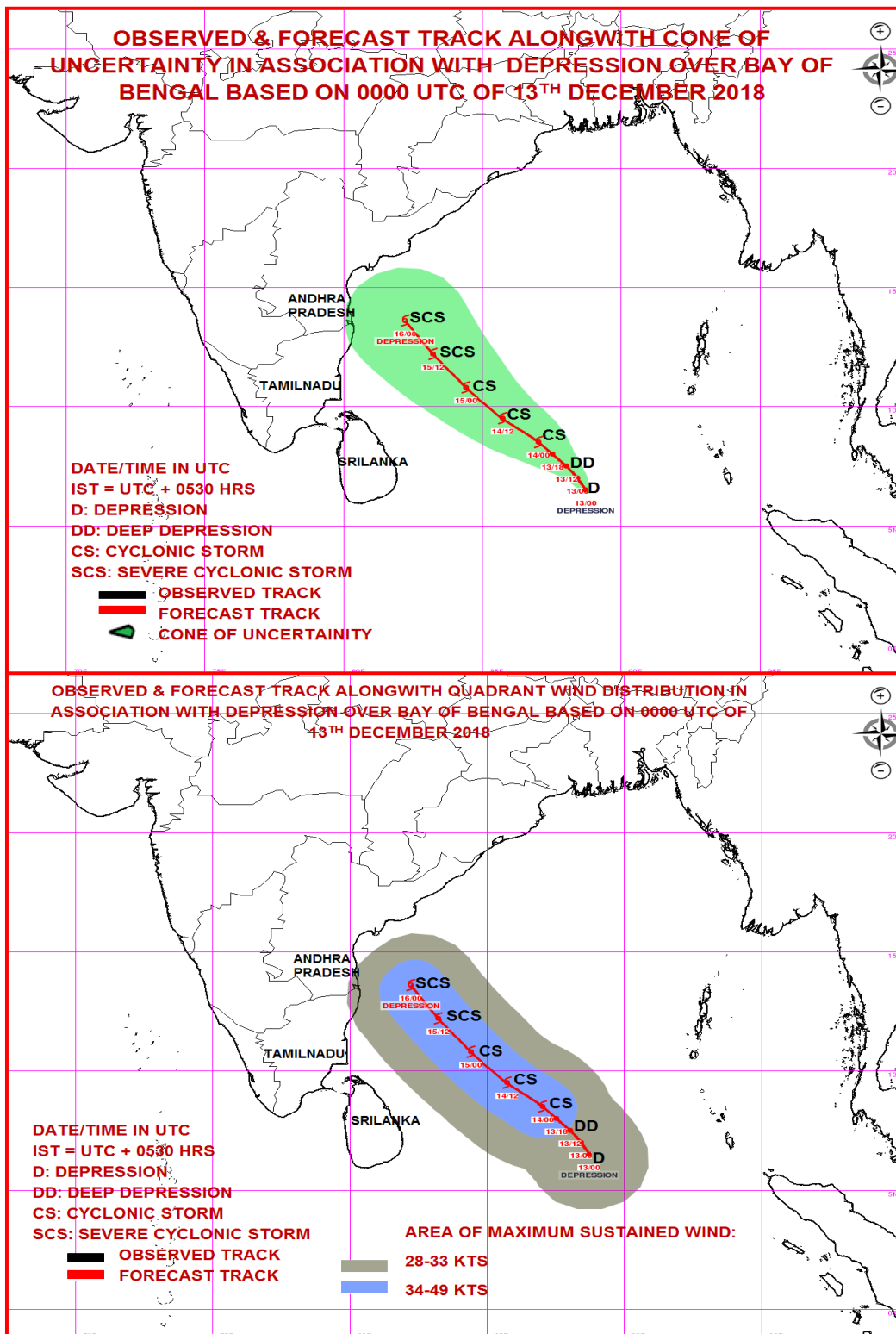
*The next bulletin will be issued at 1130 hrs IST of 13<sup>th</sup> December, 2018.*

**(Naresh Kumar)**  
**Scientist-E, RSMC, New Delhi**

*Copy to: CRS, Pune/ ACWC Kolkata/ Chennai/ CWC Bhubaneswar/CWC Visakhapatnam*



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