



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

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FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES, (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)

CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029)

CHIEF SECRETARY, TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

CHIEF SECRETARY, PUDUCHERRY (FAX NO. 0413-2337575)

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

The depression over southeast Bay of Bengal moved north-northwestwards with a speed of 11 kmph during past 06 hours and lay centred at 1730 hrs IST of today, the 13th December, 2018 over southeast Bay of Bengal near latitude 7.3°N and longitude 88.2°E, about 780 km southeast of Trincomalee (Sri Lanka), 1080 km south-southeast of Chennai (Tamil Nadu) and 1250 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 12 hours. It is very likely to move northwestwards towards Andhra Pradesh 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
13.12.18/1730	7.3/88.2	45-55 gusting to 65	Depression
13.12.18/2330	7.7/87.7	50-60 gusting to 70	Deep Depression
14.12.18/0530	8.1/87.2	55-65 gusting to 75	Deep Depression
14.12.18/1130	8.5/86.5	60-70 gusting to 80	Cyclonic Storm
14.12.18/1730	9.0/85.7	65-75 gusting to 85	Cyclonic Storm
15.12.18/0530	10.1/84.6	70-80 gusting to 90	Cyclonic Storm
15.12.18/1730	11.4/83.5	80-90 gusting to 100	Cyclonic Storm
16.12.18/0530	12.9/82.6	90-100 gusting to 110	Severe Cyclonic Storm
16.12.18/1730	14.1/81.8	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 15th 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 (≥ 20 cm) at isolated places likely over coastal Andhra Pradesh on 16th December and isolated heavy falls on 17th.

(ii) Wind warning

- **13th 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.
- **14th December:** Gale wind speed reaching 65-75 kmph gusting to 85 kmph is very likely over southwest & adjoining southeast Bay of Bengal.
- **15th 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.
- **16th December:**
 - Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail along & off Andhra Pradesh coast 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 13th and high over southwest & adjoining southeast Bay of Bengal on 14th. The sea condition is very likely to be high to very high over southwest & adjoining westcentral Bay of Bengal on 15th and over westcentral & adjoining southwest Bay of Bengal on 16th.

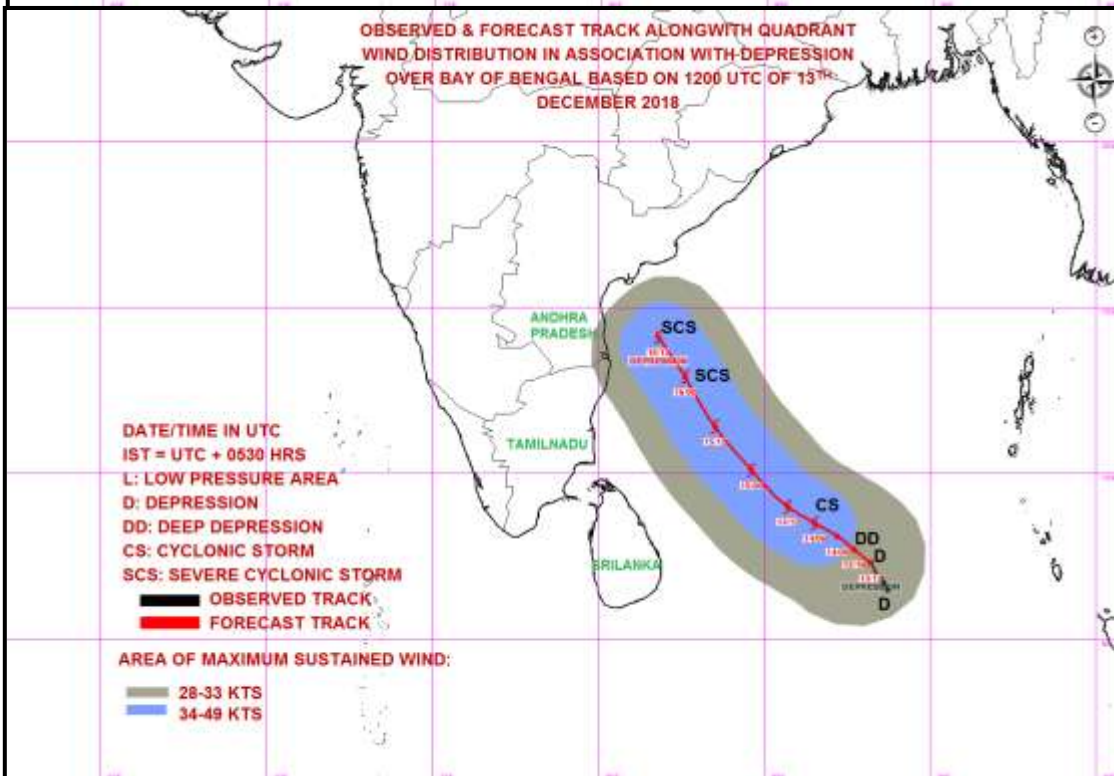
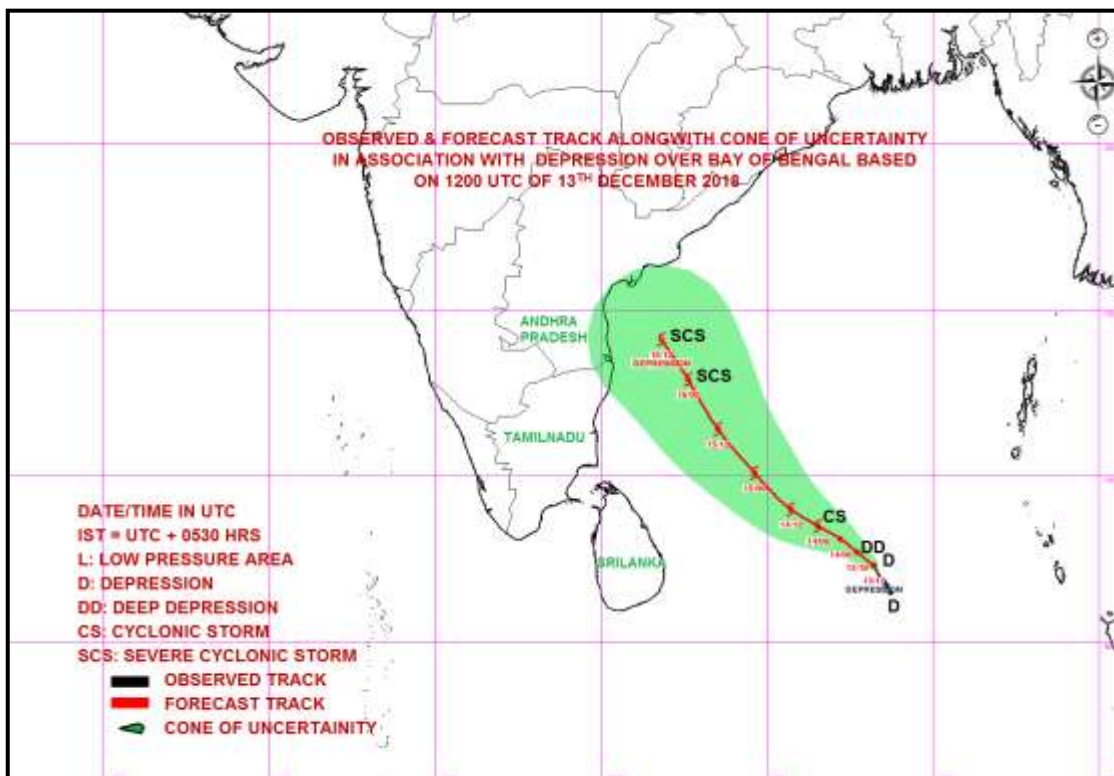
(iv) Fishermen Warning

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

The next bulletin will be issued at 0230 hrs IST of 14th December, 2018.

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

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



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