



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

BULLETIN NO. : 12 (BOB/02/2019)

TIME OF ISSUE: 0430 HOURS IST

DATED: 28.04.2019

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Sub: Cyclonic Storm 'FANI' over southeast Bay of Bengal & neighbourhood

The **Cyclonic Storm 'FANI'** (pronounced as '**FONI**') over southeast Bay of Bengal & adjoining East Equatorial Indian Ocean moved north-northwestwards with a speed of about 15 kmph in last six hours and lay centred at 0230 hrs IST of 28th April, 2019 near latitude 6.9°N and longitude 87.9°E over southeast Bay of Bengal & neighbourhood, about 750 km east-southeast of Trincomalee (Sri Lanka), 1080 km southeast of Chennai (Tamil Nadu) and 1265 km south-southeast of Machilipatnam (Andhra Pradesh). It is very likely to intensify into a **Severe Cyclonic Storm** during next 12 hours and into a **Very Severe Cyclonic Storm** during subsequent 24 hours. **It is very likely to move northwestwards till 30th April and thereafter recurve northeastwards gradually.**

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
28.04.19/0230	6.9/87.9	80-90 gusting to 100	Cyclonic Storm
28.04.19/0530	7.1/87.8	95-105 gusting to 120	Severe Cyclonic Storm
28.04.19/1130	7.6/87.1	100-110 gusting to 125	Severe Cyclonic Storm
28.04.19/1730	8.2/86.4	110-120 gusting to 135	Severe Cyclonic Storm
28.04.19/2330	8.8/86.1	110-120 gusting to 135	Severe Cyclonic Storm
29.04.19/1130	9.9/85.5	120-130 gusting to 145	Very Severe Cyclonic Storm
29.04.19/2330	10.8/84.8	125-135 gusting to 150	Very Severe Cyclonic Storm
30.04.19/1130	11.6/84.3	135-145 gusting to 160	Very Severe Cyclonic Storm
30.04.19/2330	12.3/83.9	145-155 gusting to 170	Very Severe Cyclonic Storm
01.05.19/1130	12.8/83.9	145-155 gusting to 170	Very Severe Cyclonic Storm
01.05.19/2330	13.3/84.1	145-155 gusting to 170	Very Severe Cyclonic Storm
02.05.19/1130	13.7/84.3	145-155 gusting to 170	Very Severe Cyclonic Storm
02.05.19/2330	14.3/84.7	145-155 gusting to 170	Very Severe Cyclonic Storm

Warnings:

(i) Heavy rainfall warning

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.

- Light to moderate rainfall at many places with heavy falls at isolated places very likely over Kerala on 29th & 30th April, 2019. Light to moderate rainfall at few places over north coastal Tamil Nadu & coastal Andhra Pradesh on 30th April & 1st May, 2019.

(ii) Wind warning

- Gale wind speed reaching 80-90 kmph gusting to 100 kmph is prevailing over Southeast Bay of Bengal & neighbourhood. It is very likely to become 90-100 kmph gusting to 115 kmph from 28th morning over the same area; 120-130 kmph gusting to 145 kmph over Southwest Bay of Bengal from 29th morning and 145-155 kmph gusting to 170 kmph over southwest & adjoining westcentral Bay of Bengal off north Tamilnadu, Puducherry and south Andhra Pradesh Coasts from 30th night. It is likely to decrease gradually thereafter with gale wind speed reaching 125-135 kmph gusting to 150 kmph over westcentral Bay of Bengal off Andhra Pradesh Coast on 2nd May 2019.
- Strong wind speed reaching 30-40 kmph gusting to 50 kmph likely to commence along & off Tamilnadu & Puducherry coast, Comorin area and Gulf of Mannar from 28th morning, becoming squally wind speed reaching 40-50 kmph gusting to 60 kmph from 29th morning. It is very likely to become squally wind speed reaching 50-60 kmph gusting to 70 kmph from 30th morning along north Tamilnadu, Puducherry and south Andhra Pradesh Coasts.
- Strong wind speed reaching 30-40 kmph gusting to 50 kmph likely to commence along & off Kerala coast from 28th evening and becoming squally wind speed reaching 40-50 kmph gusting to 60 kmph on 29th & 30th.

(iii) Sea condition

- The sea condition is very high over Southeast Bay of Bengal & neighbourhood. It is very likely to become very high to phenomenal over Southwest Bay of Bengal from 29th morning and phenomenal over southwest & adjoining westcentral Bay of Bengal, off north Tamilnadu, Puducherry and south Andhra Pradesh Coasts from 30th night.
- Sea conditions very likely to be rough to very rough along & off Puducherry, Tamilnadu and south Andhra Pradesh Coasts from 29th April to 1st May 2019 and westcentral Bay of Bengal off Andhra Pradesh Coast on 2nd May.

(iv) Fishermen Warning

- The fishermen are advised not to venture into deep sea areas of Southeast Bay of Bengal & adjoining Equatorial Indian Ocean, over Southwest Bay of Bengal and off Sri Lanka coast on 28th; Southwest & adjoining westcentral Bay of Bengal, along & off Sri Lanka, Puducherry, Tamilnadu & south Andhra Pradesh coasts from 29th April to 1st May and westcentral Bay of Bengal off Andhra Pradesh Coast on 2nd May.
- Those, who are out in deep sea areas are advised return to the coast by 28th April, 2019.

The next bulletin will be issued at 0830 hrs IST of 28th April, 2019.

(V R Durai)
Scientist-E, RSMC, New Delhi

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

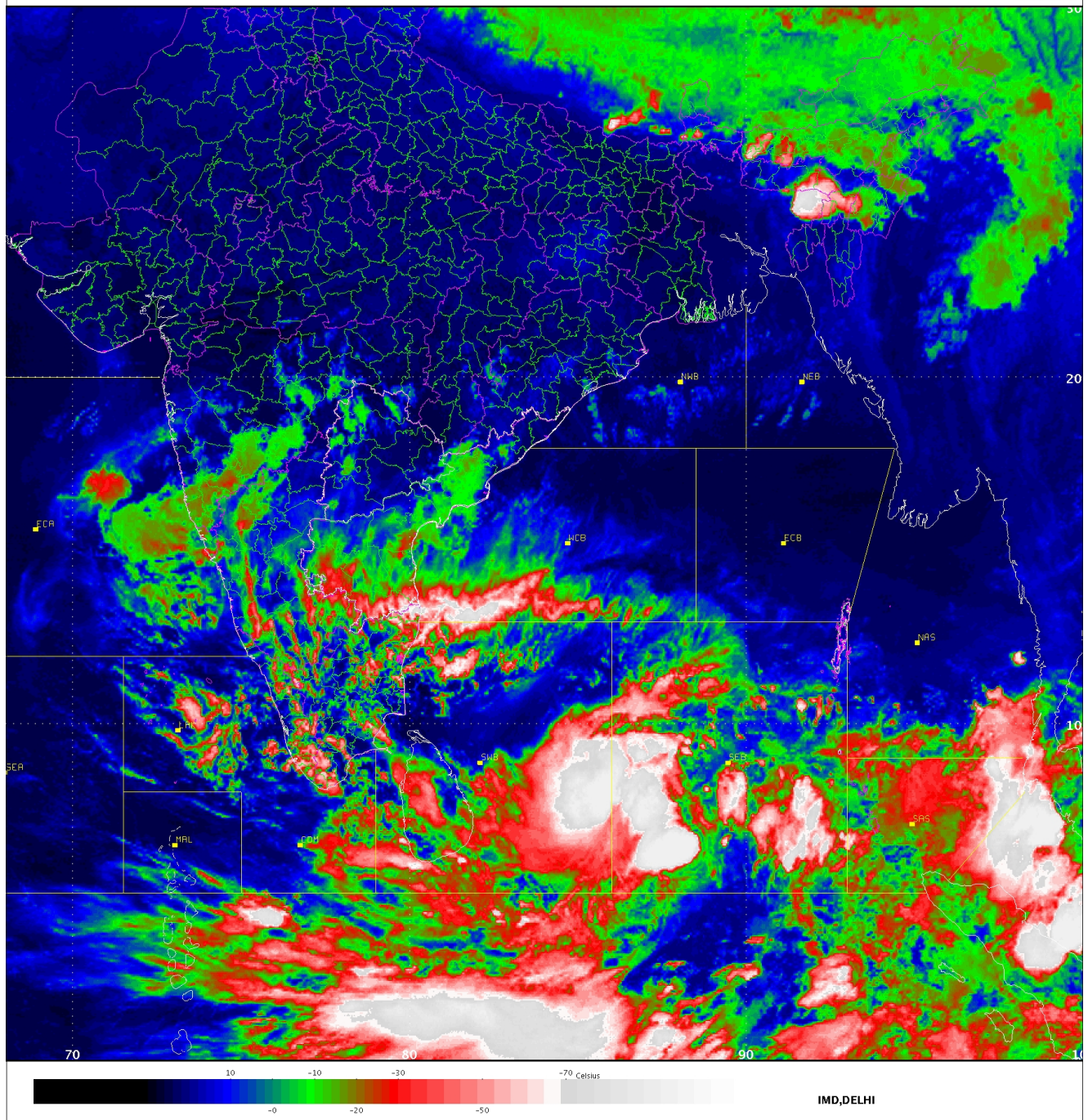
SAT :INSAT-3D

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SECTOR BAYOFBENGAL Mercator (NHC LUT)

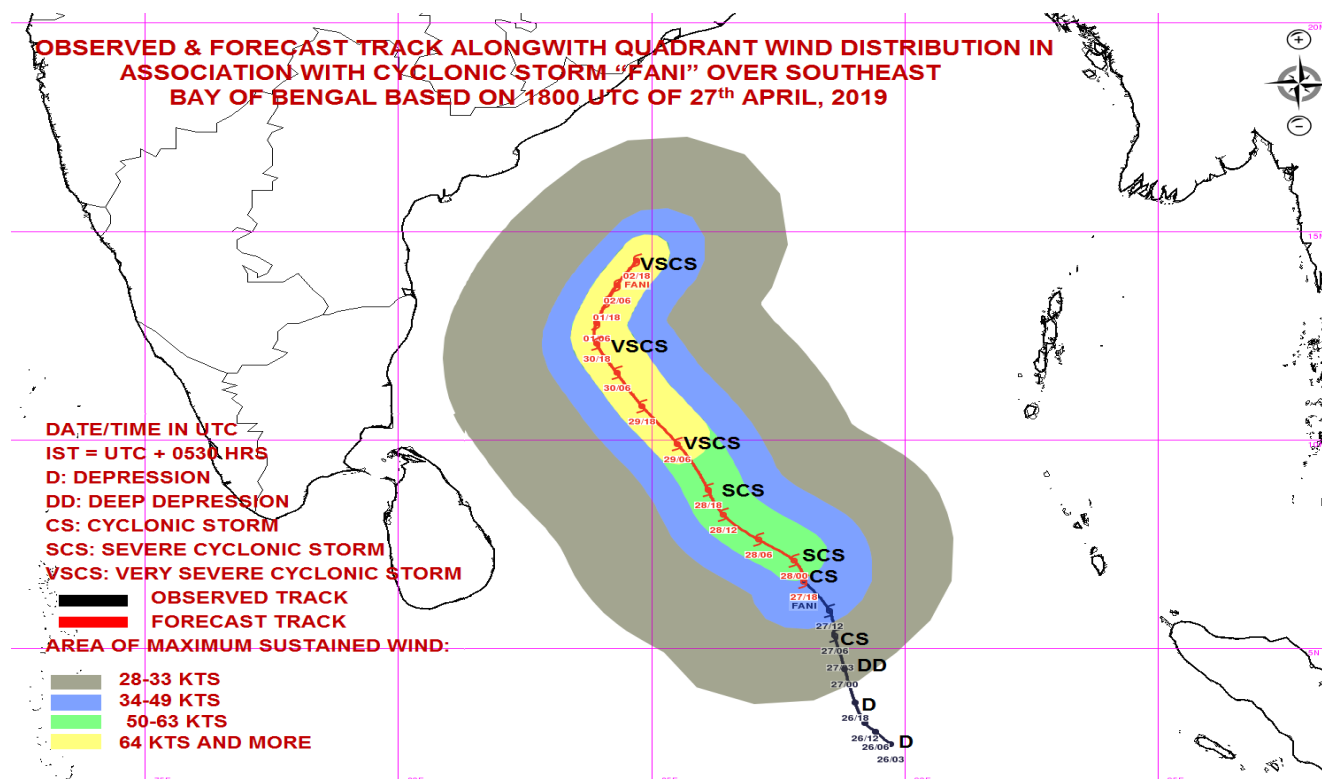
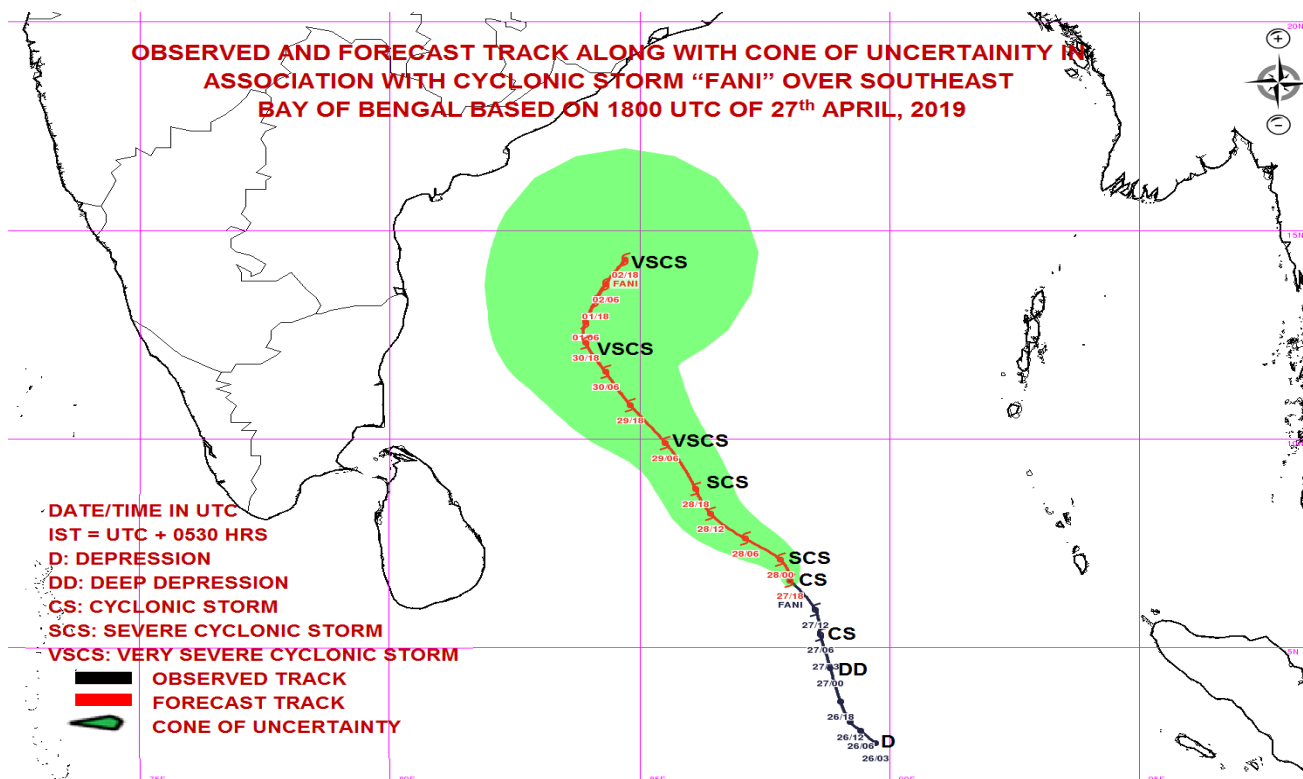
27-04-2019/21:30 GMT

28-04-2019/03:00 IST



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.



MSW(knot)/kmph)	Impact	Action
28-33 /(51-62)	Very rough seas.	Total suspension of fishing operations
34-49/(63-91)	High to very high seas	Total suspension of fishing operations
50-63/(92-117)	Very High seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

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