



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

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

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**Sub: Extremely Severe Cyclonic Storm "FANI" over Northwest Bay of Bengal crossed Odisha coast close to Puri between 0800 to 1000 hrs IST of today:
Cyclone Warning for Odisha & West Bengal Coasts: Red Message**

The **Extremely Severe Cyclonic Storm 'FANI'** (pronounced as '**FONI**') over Northwest Bay of Bengal moved north-northeastwards with a speed of about 22 kmph in last six hours and crossed Odisha coast close to Puri with sustained wind speed of 175-185 kmph gusting to 205 kmph between 0800 to 1000 hrs IST of today, the 03rd May, 2019. It weakened into a very severe cyclonic storm and lay centred at 1130 hrs IST of 03rd May, 2019 over Coastal Odisha near latitude 20.2°N and longitude 85.9°E, about 10 km east of Bhubaneswar (Odisha) and 30 km south of Cuttack (Odisha) .

It is very likely to continue to move north-northeastwards and weaken further into a severe cyclonic storm during next nine hours. It is very likely to **emerge into Gangetic West Bengal as a Severe Cyclonic Storm with wind speed of 90-100 Kmph gusting to 115 Kmph by early morning of 4th May. It is very likely to move further north-northeastwards and emerge into Bangladesh on 4th May evening as a Cyclonic Storm with wind speed 60-70 Kmph gusting to 80 Kmph.**

The cyclone is being tracked by Doppler Weather Radars Gopalpur & Paradip. Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. ^o N/ long. ^o E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic Disturbance
03.05.19/1130	20.2/85.9	150-160 gusting to 175	Very Severe Cyclonic Storm
03.05.19/1730	20.8/86.3	130-140 gusting to 155	Very Severe Cyclonic Storm
03.05.19/2330	21.6/86.8	110-120 gusting to 135	Severe Cyclonic Storm
04.05.19/0530	22.4/87.4	90-100 gusting to 110	Severe Cyclonic Storm
04.05.19/1130	23.2/88.1	70-80 gusting to 90	Cyclonic Storm
04.05.19/2330	24.8/89.5	40-50 gusting 60	Depression
05.05.19/1130	26.4/91.0	20-30 gusting to 40	Well Marked Low

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.

Warnings:

(i) Heavy rainfall warning

- **Odisha:** Moderate rainfall at most places and heavy to very heavy rainfall at a few places and **extremely heavy falls** at isolated places over north Odisha and isolated heavy rainfall south coastal Odisha & adjoining districts of interior Odisha on 3rd May. Light to moderate rainfall at most places with heavy falls at isolated places over Balasore, Mayurbhanj districts of north Odisha on 4th May.
- **West Bengal:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and **extremely heavy falls** at isolated places very likely over coastal & adjoining districts of West Bengal on 3rd; and heavy to very heavy falls at isolated places over Gangetic West Bengal on 4th May. Light to moderate rainfall at most places with heavy falls at isolated places over Sub-Himalayan West Bengal & Sikkim on 4th May.
- **Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura:** Light to moderate rainfall at most places with isolated heavy to very heavy falls very likely over **Arunachal Pradesh and Assam & Meghalaya on 4th & 5th May; with isolated extremely heavy falls** over Assam & Meghalaya on 4th. Light to moderate rainfall at many places with isolated heavy falls very likely over Nagaland, Manipur, Mizoram & Tripura on 4th.

(ii) Wind warning

- Gale wind speed reaching 150-160 kmph gusting to 175 kmph is likely to prevail over Khurda (including Bhubaneswar), Cuttack, Puri and Jagatsighpur districts of Odisha during next 03 hours, 90-100 kmph gusting to 115 kmph over remaining districts of north coastal Odisha (Keonjhar, Jajpur and Mayurbhanj) during next 12 hours.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely along & off West Bengal coast during next 06 hours. It is very likely become gale wind speed reaching 60-70 kmph gusting to 85 kmph from 3rd May afternoon and become 90-100 kmph gusting to 115 kmph from 4th May early morning for subsequent 12 hours and decrease thereafter.

(ii) Sea condition

- The sea condition is phenomenal over northwest Bay of Bengal off Odisha Coast during next 6 hours and is likely to become high to very high subsequently for the next 18 hours and rough to very rough during subsequent 06 hours.

(iii) Storm surge Warning

- Storm surge of about 0.5 to 1 meter height above astronomical tide is very likely to inundate low lying areas of Kendrapara, Balasore and Bhadrak Districts of Odisha during next 12 hours; north & south 24 Paraganas districts of west Bengal during mid-night of 3rd to forenoon of 4th May.

(iv) Fishermen Warning

- The fishermen are advised not to venture into deep sea areas over northwest Bay of Bengal along & off Odisha and West Bengal coasts till 04 May.

(v) (a) Damage Expected and Action suggested for Khurda (including Bhubaneswar), Cuttack, Puri and Jagatsighpur districts of Odisha during next 03 hours:

- (i) Total destruction of thatched houses/ extensive damage to kutcha houses. Some damage to pucca houses. Potential threat from flying objects. (ii) Bending/ uprooting of power and communication poles. (iii) Major damage to Kutcha and Pucca roads. Flooding of escape routes. Minor disruption of railways, overhead powerlines and signalling systems. (iv) Widespread damage to standing crops, plantations, orchards, falling of green

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coconuts and tearing of palm fronds. Blowing down of bushy trees like mango. (v) Small boats, country crafts may get detached from moorings. (vii) Visibility severely affected.

Action Suggested:

(i) Total suspension of fishing operations over northwest Bay of Bengal along & off Odisha Coast till 04th May. (ii) Judicious regulation of rail and road traffic. (iii) People in affected areas to remain indoors. (iv) Movement in motor boats and small ships unsafe. (v) **Hoarding, flex and banners hanging loose are likely to fly and damage surroundings. These should be removed.**

(b) Damage Expected and action suggested for Kendrapara, Bhadrak, Jajpur, Keonjhar, Mayurbhanj and Balasore districts of Odisha and east & west Medinipur, south & north 24 Parganas, Howrah, Hoogli, Kolkata districts of West Bengal and Srikakulam, Visakhapatnam and Vijayanagaram districts of Andhra Pradesh

(i) Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly. (ii) Minor damage to power and communication lines. (iii) Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes. (iv) Breaking of tree branches, uprooting of large avenue trees. Moderate damage to banana and papaya trees. Large dead limbs blown from trees. (v) Major damage to coastal crops. (vi) Damage to embankments/ salt pans.

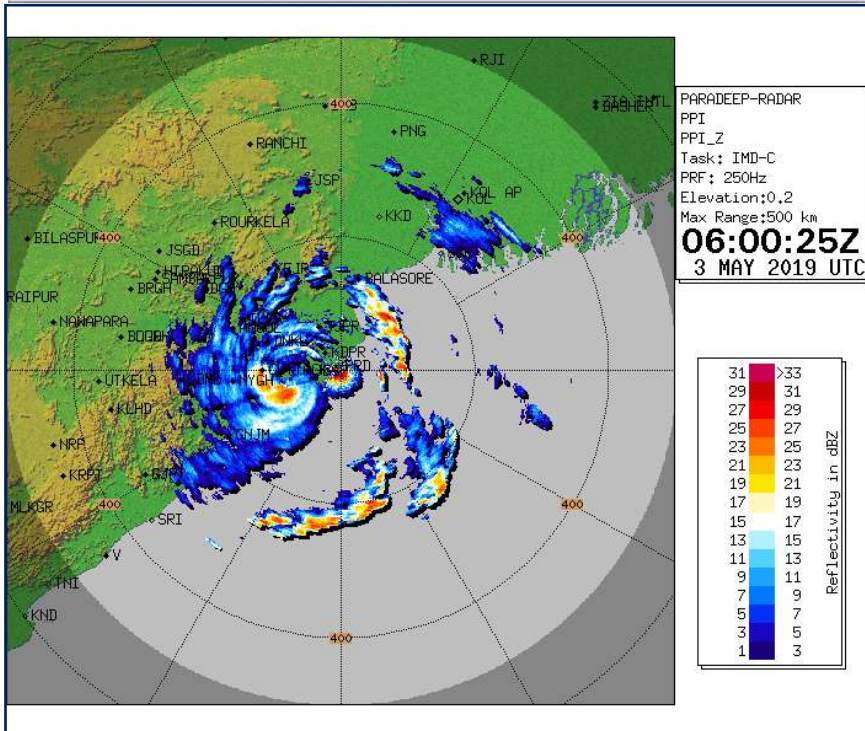
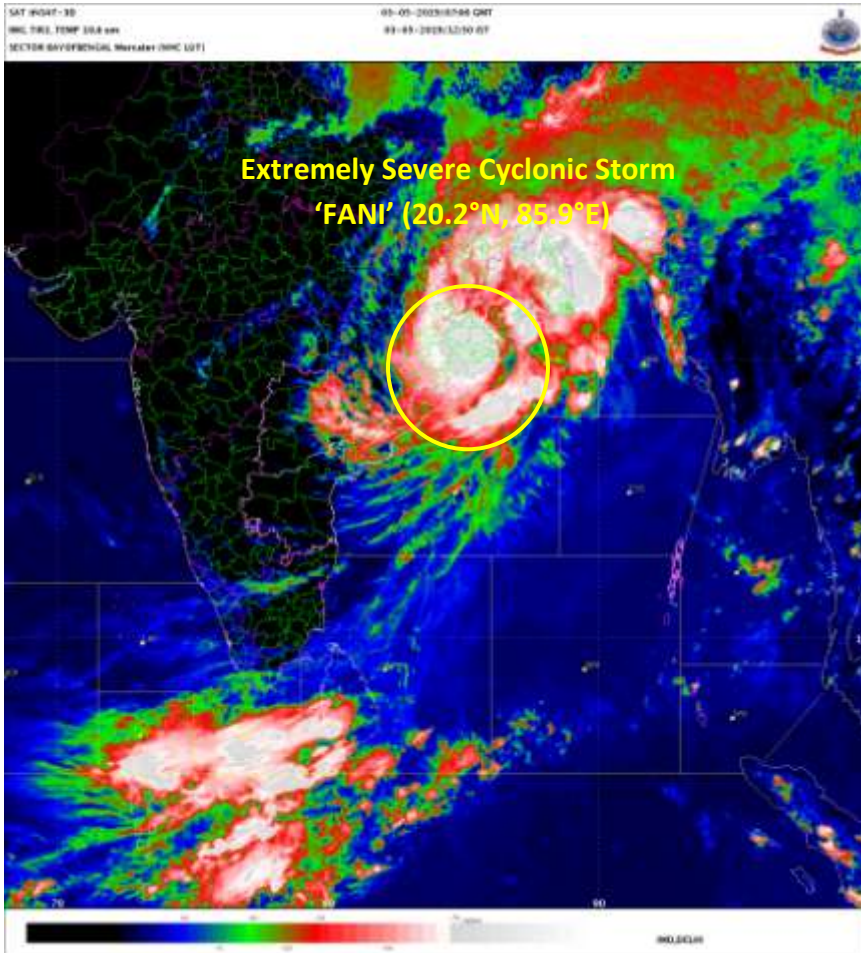
Action Suggested:

(i) Total suspension of fishing operations over northwest Bay of Bengal along & off north Odisha and West Bengal Coasts till 04th May. (ii) Coastal hutment dwellers to be moved to safer places. People in affected areas to remain indoors. (iii) Movement in motor boats unsafe.

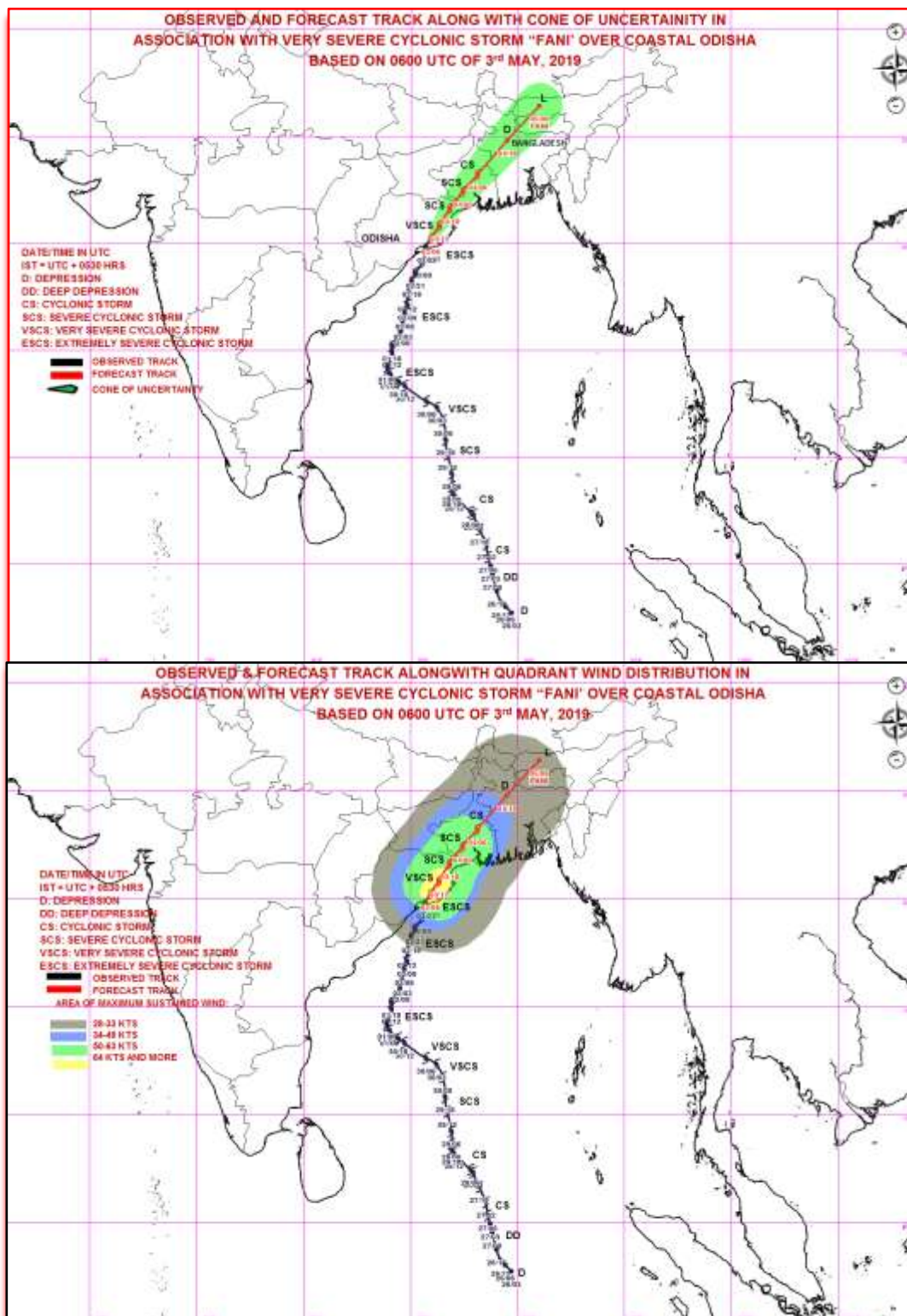
The next bulletin will be issued at 1730 hrs IST of 03rd May, 2019.

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

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



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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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