

EXTREMELY SEVERE CYCLONIC STORM “FANI” OVER WEST CENTRAL BAY OF BENGAL

Relevant for: Geography | Topic: Important Geophysical Phenomenon - Tropical Cyclones

Ministry of Earth Science

Extremely Severe Cyclonic Storm “FANI” over West central Bay of Bengal

Cyclone being tracked by Doppler Weather Radars, Vishakhapatnam & Machilipatnam.

Posted On: 02 MAY 2019 11:45AM by PIB Delhi

Cyclone Warning for Odisha, West Bengal and Srikakulam, Vijayanagaram & Visakhapatnam Districts of Andhra Pradesh Coasts: Orange Message

The **Extremely Severe Cyclonic Storm ‘FANI’** (pronounced as ‘FONI’) over Westcentral Bay of Bengal moved further north-northeastwards with a speed of about 15 kmph in last six hours and lay centred at 0830 hrs IST of 02nd May, 2019 over Westcentral Bay of Bengal near latitude 16.2°N and longitude 84.6°E, about 420 km south-southwest of Puri (Odisha), 210 km south-southeast of Vishakhapatnam (Andhra Pradesh) and 610 km south-southwest of Digha (West Bengal). **It is very likely to move north-northeastwards and cross Odisha Coast between Gopalpur and Chandbali, around Puri during 3rd May afternoon with maximum sustained wind speed of 170-180 kmph gusting to 200 kmph.**

The cyclone is being tracked by Doppler Weather Radars Vishakhapatnam & Machilipatnam.

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
02.05.19/0830	16.2/84.6	180-190 gusting to 210	Extremely Severe Cyclonic Storm
02.05.19/1130	16.6/84.7	180-190 gusting to 210	Extremely Severe Cyclonic Storm
02.05.19/1730	17.4/84.9	180-190 gusting to 210	Extremely Severe Cyclonic Storm
02.05.19/2330	18.2/85.1	175-185 gusting to 205	Extremely Severe Cyclonic Storm
03.05.19/0530	18.9/85.4	175-185 gusting to 205	Extremely Severe Cyclonic Storm
03.05.19/1130	19.6/85.7	175-185 gusting to 205	Extremely Severe Cyclonic Storm

03.05.19/2330	21.2/86.6	130-140 gusting to 155	Very Severe Cyclonic Storm
04.05.19/1130	22.9/88.0	90-100 gusting to 115	Severe Cyclonic Storm
04.05.19/2330	24.6/89.3	50-60 gusting to 70	Deep Depression

Warnings:

- **Heavy rainfall warning**
- **North Andhra Pradesh:** Light to moderate rainfall at most places with isolated heavy to very heavy falls over Visakhapatnam and Vijayanagaram district and isolated heavy to extremely heavy falls (>20 cm) over Srikakulam district on 2nd May and with heavy to very heavy rainfall at isolated places over Srikakulam district on 3rd
- **Odisha:** Light to moderate rainfall at most places with heavy to very heavy rainfall and extremely heavy falls (over Ganjam & Gajapati districts) at isolated places very likely over south coastal & adjoining interior Odisha on 2nd It is likely to increase with moderate rainfall at most places and heavy to very heavy rainfall at a few places and extremely heavy falls at isolated places over coastal Odisha & adjoining districts of interior Odisha on 3rd. Light to moderate rainfall at most places with heavy to very 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 falls at isolated places over Gangetic West Bengal on 4th Light to moderate rainfall at most places with heavy falls at isolated places over Sub-Himalayan West Bengal & Sikkim on 4th May.
- **Arunachal Pradesh and Assam & Meghalaya:** 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 180-190 kmph gusting to 210 kmph is very likely to prevail over westcentral Bay of Bengal around system centre during next 24 hours and decrease thereafter.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail along & off north Andhra Pradesh & Odisha Coasts and become gale wind speed reaching 60-70 kmph gusting to 85 kmph from 2nd May night. It is very likely to become 170-180 kmph gusting to 200 kmph along & off south Odisha & adjoining north Andhra Pradesh (Srikakulam District) coasts; and 90-100 kmph gusting to 115 kmph along & off remaining districts of coastal Odisha and north Andhra Pradesh (Visakhapatnam and Vijayanagaram Districts) by 3rd May forenoon for subsequent 12 hours and decrease thereafter.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely along & off West Bengal coast from 2nd May evening. 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.

- **Sea condition**

- The sea condition is phenomenal over westcentral Bay of Bengal, off north Andhra Pradesh Coasts till 03 May 2019 and over Northwest Bay of Bengal off Odisha & West Bengal till 04 May.
- Sea conditions very likely to be very rough to high off north Tamilnadu, Puducherry, along & off south Andhra Pradesh Coasts till 03 May.

- **Storm surge Warning**

- Storm surge of about 1.5 meter height above astronomical tide is very likely to inundate low lying areas of Ganjam, Khurda, Puri & Jagatsinghpur Districts of Odisha at the time of landfall.

- **Fishermen Warning**

- The fishermen are advised not to venture into deep sea areas of Southwest & adjoining southeast Bay of Bengal, Southwest & adjoining westcentral Bay of Bengal, along & off Puducherry, north Tamilnadu & south Andhra Pradesh coasts during next 12 hours; over westcentral Bay of Bengal, along & off north Andhra Pradesh Coast till 03 May and over northwest & adjoining Westcentral Bay of Bengal along & off Odisha and West Bengal coasts till 04 May.
- Those, who are out in deep sea above areas are advised to return to the coasts.

- **(a) Damage Expected and Action suggested for Ganjam, Gajapati, Khurda, Puri, Jagatsinghpur districts of Odisha.**

(i) Extensive damage to all types of kutcha houses, some damage to old badly managed Pucca structures. Potential threat from flying objects. (ii) Extensive uprooting of communication and power poles. (iii) Disruption of rail/road link at several places. (iv) Extensive damage to standing crops, plantations, orchards. (v) Blowing down of Palm and coconut trees. (vi) Uprooting of large bushy trees. (vii) Large boats and ships may get torn from their moorings.

Action Suggested:

(i) Total suspension of fishing operations. (ii) Extensive evacuation from coastal areas. (iii) Diversion or suspension of rail and road traffic. (iv) People in affected areas to remain indoors. (v) Movement in motor boats and small ships not advisable.

(b) Damage Expected and action suggested for Kendrapara, Bhadrak, Jajpur, 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) 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 coconuts and

tearing of palm fronds. Blowing down of bushy trees like mango. (v) Small boats, country crafts may get detached from moorings. (vi) Visibility severely affected. (vii) Hoarding, flex and banners hanging loose are likely to fly and damage surroundings. These should be removed.

Action Suggested:

(i) Total suspension of fishing operations. Mobilise evacuation from coastal areas. (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.

GK

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