

India Meteorological Department (Ministry of Earth Sciences)

NATIONAL BULLETIN NO. 06 (BOB/05/2023)

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DATED: 16.11.2023

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

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Sub: Deep Depression over Westcentral Bay of Bengal

The Deep Depression over Westcentral Bay of Bengal moved north-northeastwards with a speed of 17 kmph during past 6 hours and lay centred at 0830 hours IST of today, the 16th November over Westcentral Bay of Bengal near latitude 17.4°N and longitude 87.0°E, about 390 km east-southeast of Visakhapatnam (Andhra Pradesh), 320 km south-southeast of Paradip (Odisha), 460 km south-southwest of Digha (West Bengal) and 610 km south-southwest of Khepupara (Bangladesh).

It is likely to continue to move north-northeastwards, intensify further into a cyclonic storm during next 24 hours and cross Bangladesh coast between Mongla and Khepupara with wind speed of 60-70 kmph gusting to 80 kmph by the early hours of 18th November 2023

Date/Time (IST)	Position (Lat. ^⁰ N/ long. ^⁰ E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
16.11.23/0830	17.4/87.0	50-60 kmph gusting to 70 kmph	Deep Depression
16.11.23/1130	17.7/87.2	50-60 kmph gusting to 70 kmph	Deep Depression
16.11.23/1730	18.5/87.6	55-65 kmph gusting to 75 kmph	Deep Depression

Forecast track and intensity are given below:

16.11.23/2330	19.3/88.0	60-70 kmph gusting to 80 kmph	Cyclonic Storm
17.11.23/0530	20.1/88.5	70-80 kmph gusting to 90 kmph	Cyclonic Storm
17.11.23/1730	21.3/89.3	60-70 kmph gusting to 80 kmph	Cyclonic Storm
18.11.23/0530	22.8/90.2	55-65 kmph gusting to 75 kmph	Deep Depression
18.11.23/1730	24.0/90.5	40-50 kmph gusting to 60 kmph	Depression

Warnings:

(i) Rainfall Warning (graphics enclosed):

- Light to moderate rainfall at many places with isolated heavy rainfall is likely over coastal districts of West Bengal on 16th & 17th and over coastal districts of north Odisha on 16th November.
- Light to moderate rainfall at many places with isolated heavy rainfall is likely over Nagaland, Manipur, Mizoram & Tripura during 16th to 18th November with very heavy rainfall at isolated places over Mizoram & Tripura on 17th November.
- Light to moderate rainfall at many places with isolated heavy rainfall is likely over south Assam and east Meghalaya on 17th & 18th November.

(ii) Wind warning (graphics enclosed):

- Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail over southwest Bay of Bengal along & off Tamil Nadu & Puducherry and Sri Lanka coasts on 16th November.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing over Westcentral & adjoining Northwest Bay of Bengal and is likely to increase gradually becoming 60-70 gusting to 80 kmph over North Bay of Bengal from 16th midnight. It would increase further becoming 70-80 gusting to 90 kmph over North Bay of Bengal and decrease over westcentral Bay of Bengal becoming 40-50 gusting to 60 kmph on 17th morning. Thereafter, it would decrease becoming 55-65 kmph gusting to 75 kmph over the North Bay of Bengal from 18th morning. Squally wind speed reaching 40-50 kmph gusting to 60 kmph gusting to 60 kmph and decrease thereafter.
- Along & off Andhra Pradesh Coast: Squally wind speed reaching 30-40 kmph gusting 50 kmph is likely on 16th November along & off south Andhra Pradesh coast and 40-50 kmph gusting 60 kmph during 16th to 17th morning along & off north Andhra Pradesh coast. It would decrease thereafter.
- Along & off Odisha Coast: Squally wind speed reaching 45-55 kmph gusting 65 kmph is prevailing and likely to increase gradually becoming 50-60 kmph gusting 70 kmph from 16th evening till 17th evening and decrease thereafter.
- Along & off West Bengal Coast: Squally wind speed reaching 40-50 kmph gusting 60 kmph is prevailing. It is likely to increase gradually becoming 55-65 kmph gusting 75 kmph from 17th morning till 18th morning and decrease thereafter.
- Along & off Bangladesh Coast: Squally wind speed reaching 45-55 kmph gusting 65 kmph is likely from 16th evening and increase becoming 60-70 kmph gusting 80 kmph from 17th evening till 18th morning and decrease thereafter.

(iii) Sea Condition:

- Rough to very rough sea condition is likely over
 - Southwest Bay of Bengal and along & off Tamil Nadu & Puducherry and Sri Lanka coasts on 16th November.
 - Westcentral Bay of Bengal during 16th- 17th November
 - North Bay of Bengal till midnight of 16th November. It would become very rough to high over North Bay of Bengal from 16th midnight to 18th morning.

- Along & off north Andhra Pradesh coast during 16th to 17th November.
- Along & off Odisha coast during 16th-17th and West Bengal & Bangladesh coasts during 16th to 18th November

(iv) Fishermen Warning:

Fishermen are advised not to venture into

- Southwest Bay of Bengal on 16th November
- Westcentral Bay of Bengal during 16th to 17th November
- North Bay of Bengal during 16th to 18th November
- Along & off Andhra Pradesh Coast during 16th to 17th November
- Along & off Odisha coast during 16th-17th November
- Along & off West Bengal and Bangladesh coasts during 16th to 18th November

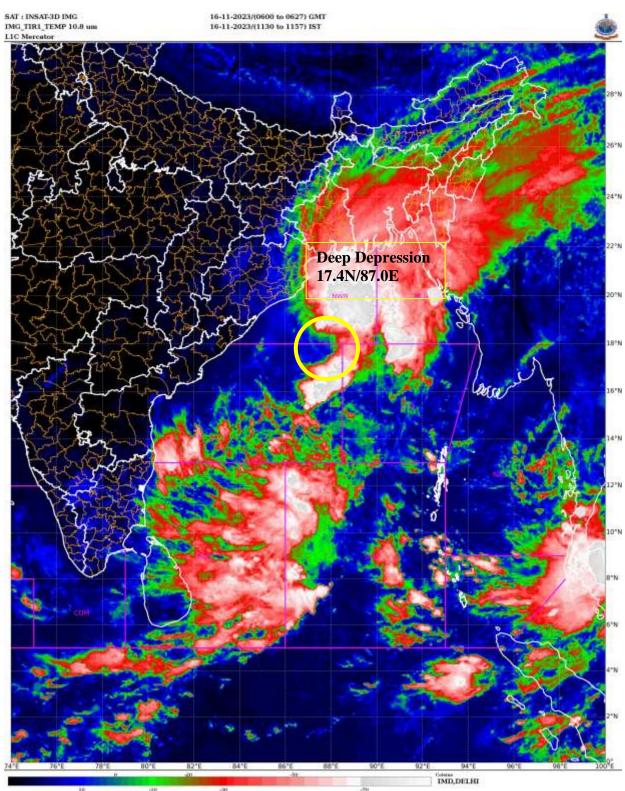
(v) Damage Expected & Action Suggested for coastal areas of Odisha & West Bengal:

- Minor damage to loose/unsecured structures.
- Minor damage to small trees like Banana. Papaya and Drumstick and ripe paddy crops.
- Partial Damage to standing crops in coastal areas of Odisha & west Bengal.
- Minor damage to Kutcha embankments.

The system is under continuous surveillance and the next message will be issued at 1430 hours IST of today, the 16th November, 2023.

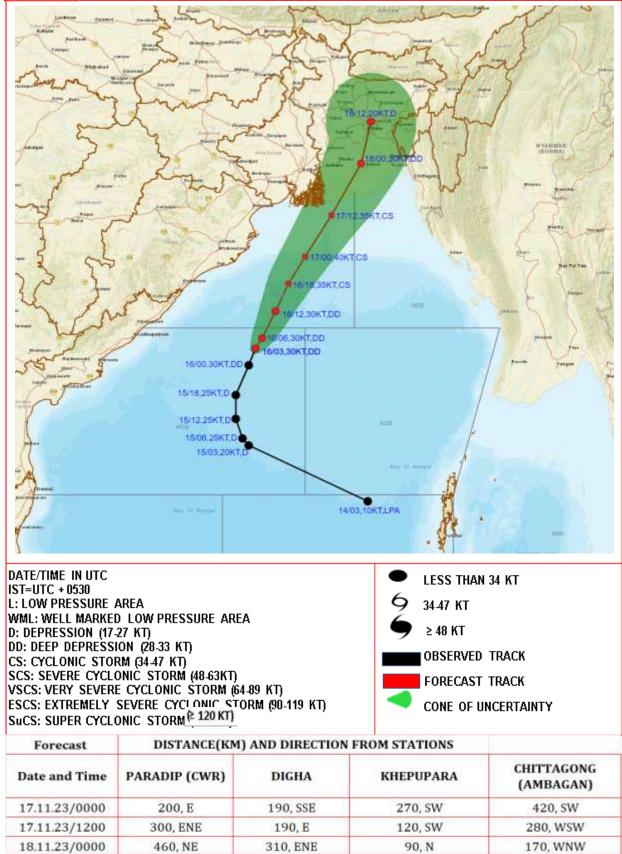
(M Sharma) Scientist D, Cyclone Warning, New Delhi

Copy to:ACWC Chennai/ ACWC Kolkata/CWC Bhubaneswar/CWC Vishakhapatnam/MC Amravati/ RMC Guwahati/MC Agartala/MC Mizoram/MC Manipur/MC Nagaland/MC Shillong



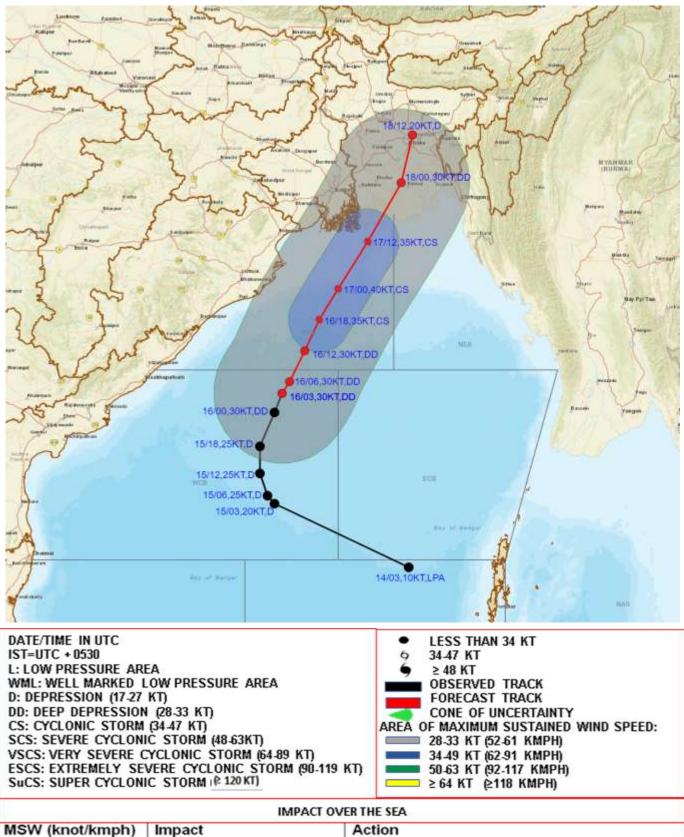


OBSERVED AND FORECAST TRACK AND INTENSITY ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH DEEP DEPRESSION OVER WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 16TH NOVEMBER 2023





OBSERVED AND FORECAST TRACK AND INTENSITY ALONG WITH QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH DEEP DEPRESSION OVER WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 16TH NOVEMBER 2023.



MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	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

