

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NO.: 06 (BOB/07/2022)

TIME OF ISSUE: 0115 HOURS IST DATED: 20.08.2022

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Sub: Deep Depression over West Bengal & adjoining north Odisha

The Deep Depression over coastal areas of West Bengal & adjoining north Odisha moved west-northwestwards during past 06 hours with a speed of 22 kmph and lay centered at 2330 hrs IST of 19th August, 2022 over West Bengal & adjoining north Odisha near latitude 22.1°N and longitude 87.0°E, about 40 km southwest of Kharagur (West Bengal), 30 km northeast of Baripada (Odisha) and 120 km southeast of Jamshedpur (Jharkhand).

It would continue to move west-northwestwards across West Bengal & adjoining north Odisha and Jharkhand towards north Chhattisgarh during next 24 hours and weaken gradually.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. ⁰ N/ long. ⁰ E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
19.08.22/2330	22.1/87.0	55-65 gusting to 75	Deep Depression
20.08.22/0530	22.4/86.2	50-60 gusting to 70	Deep Depression
20.08.22/1130	22.6/85.2	45-55 gusting to 65	Depression
20.08.22/1730	22.8/84.2	40-50 gusting to 60	Depression

Warnings:

Rainfall:

Rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is very likely over North Odisha and coastal districts of southwest Gangetic West Bengal. Rainfall at most places is very likely with heavy to very heavy rainfall at a few places over South Odisha & rest parts of Gangetic West Bengal; isolated heavy to very heavy rainfall over Jharkhand & Chattisgarh and heavy rainfall at isolated places over East Madhya Pradesh till morning of 20th August.

20th August: Rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is very likely over North Chattisgarh & East Madhya Pradesh. Rainfall at most places is very likely with heavy to very heavy rainfall at a few places over Northwest Odisha, Jharkhand & Vidarbha. Rainfall at most places with heavy rainfall at isolated places over remaining parts of Odisha, south Chhattisgarh and West Madhya Pradesh.

21st August: Rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is very likely over West Madhya Pradesh. Rainfall at most places is very likely with heavy to very heavy rainfall at isolated places over East Madhya Pradesh & East Rajasthan and heavy rainfall at isolated places over Chattisgarh & Vidarbha.

22nd August: Rainfall at most places is very likely with heavy to very heavy rainfall at isolated places over East Rajasthan and heavy rainfall at isolated places over West Madhya Pradesh.

Wind:

- Prevailing squally wind speed reaching 55-65 kmph gusting to 75 kmph over North Bay of Bengal and along & off north Odisha (Balasore, Bhadrak and adjoining Mayurbhanj Districts) and West Bengal (North & South 24 Parganas, East & West Medinipur and Jhargram Districts) coasts is likely to decrease gradually becoming 45-55 kmph gusting 65 kmph by 20th morning over the same region and 35-45 kmph gusting 55 kmph by evening of 20th August.
- > Squally wind speed reaching 45-55 gusting to 65 kmph likely along & off remaining districts of coastal Odisha & West Bengal till morning of 20th and decrease thereafter.
- > Strong Winds speed reaching 30-40 kmph gusting to 50 kmph likely to prevail over interior districts of north Odisha, Gangetic West Bengal and adjoining areas of south Jharkhand during next 12 hours.

Sea condition:

Sea condition is likely to be rough to very rough over North Bay of Bengal and along & off West Bengal, Odisha & Bangladesh coasts till 20th August noon and improve gradually thereafter.

Fishermen Warnings: (for graphics please visit https://rsmcnewdelhi.imd.gov.in)Fishermen are advised not to venture into North Bay of Bengal and along & off West Bengal, Odisha & Bangladesh coasts till 20th August noon.

Damage expected over North Odisha, Gangetic West Bengal and Jharkhand:

- Damage to loose/unsecured structures. Some breaches in Kutcha road & embankments due to flooding.
- Damage to small trees like Banana, Papaya etc. and near coastal agriculture due to salt spray. Damage to standing crops and horticulture.
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses.
- Reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads.

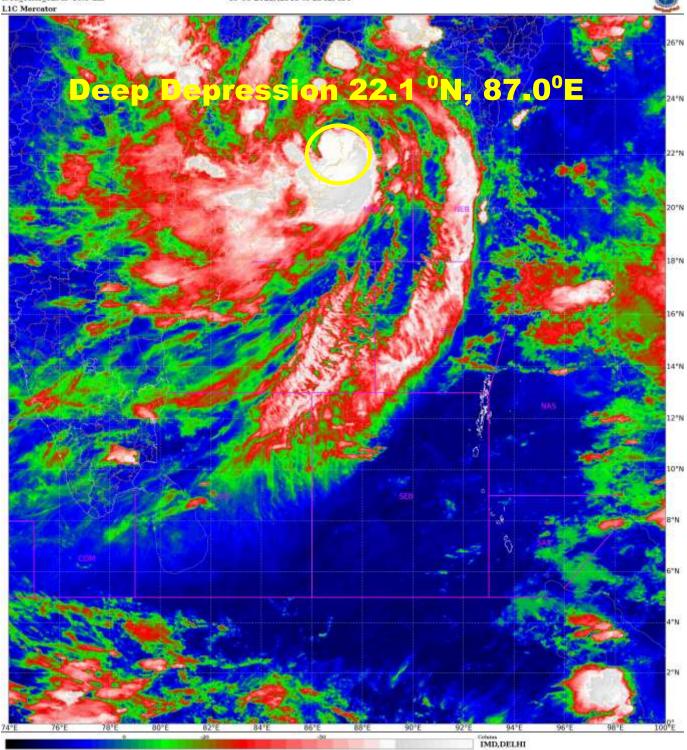
- Localized Landslide/Mudslides.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Next message will be issued at 0830 hours IST of today, the 20th August, 2022.

(Surendra Pratap Singh) Scientist C, Cyclone Warning Division, New Delhi

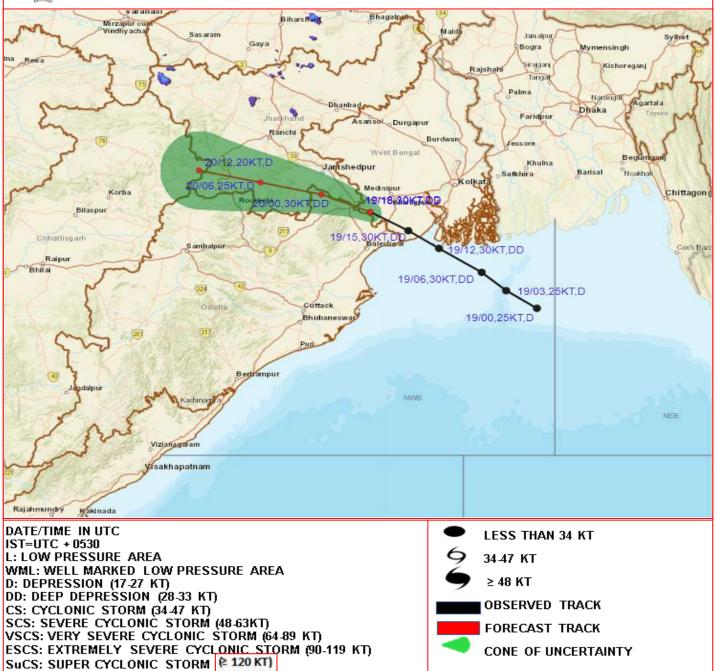
Copy to: ACWC Mumbai/ ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/ / MO Port Blair/MC Raipur/MC Bhopal/MC Hyderabad/RMC Nagpur/

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, Very Heavy Rainfall: 115.6 to 204.4mm Most Places: more than 76% of total stations, Isolated Places: Less than 25% of total



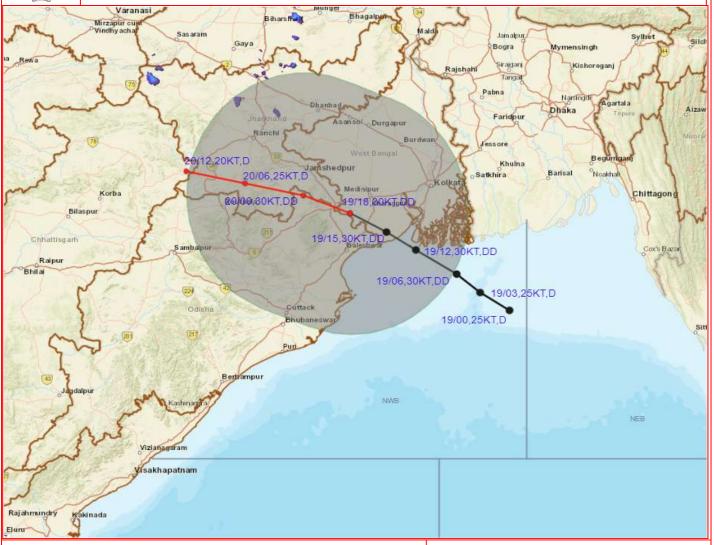


OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER WEST BENGAL AND ADJOINING NORTH ODISHA BASED ON 1800 UTC OF 19th AUGUST, 2022





FORECAST TRACK ALONG WITH QUADRANT WIND OBSERVED AND DISTRIBUTION OF DEEP DEPRESSION OVER WEST BENGAL AND ADJOINING NORTH ODISHA BASED ON 1800 UTC OF 19th AUGUST, 2022



DATE/TIME IN UTC IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

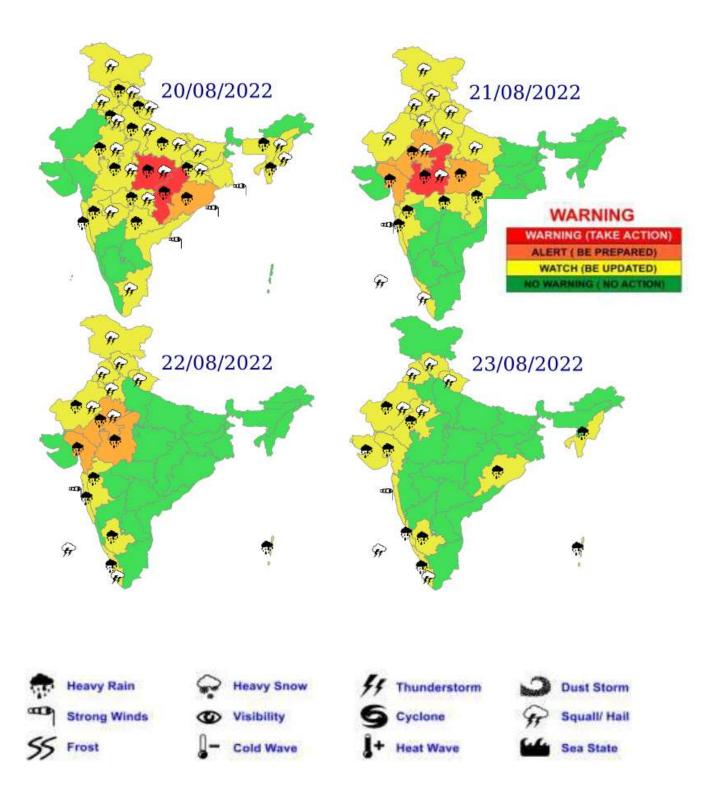
D: DEPRESSION (17-27 KT) DD: DEEP DEPRESSION (28-33 KT) CS: CYCLONIC STORM (34-47 KT) SCS: SEVERE CYCLONIC STORM (48-63KT) VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

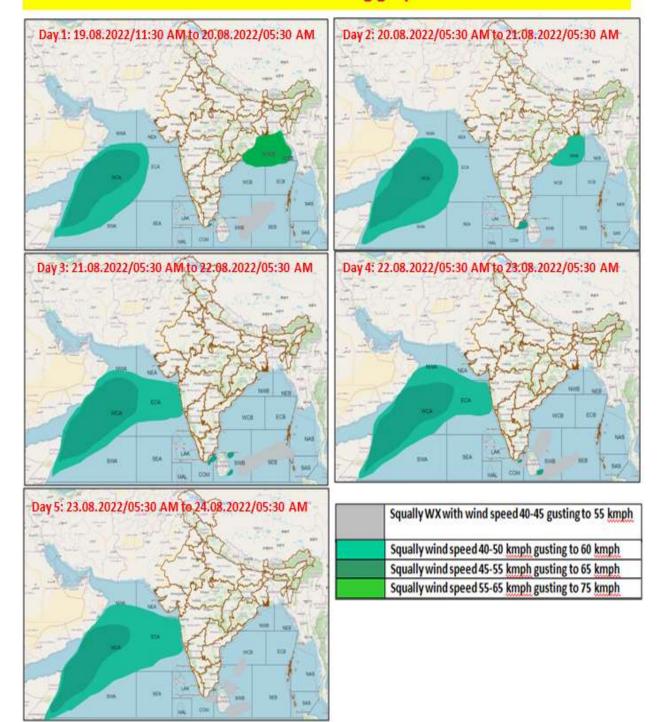
SuCS: SUPER CYCLONIC STORM ₱ 120 KT)

LESS THAN 34 KT 34.47 KT ≥ 48 KT OBSERVED TRACK FORECAST TRACK CONE OF UNCERTAINTY

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



Fishermen warning graphics



Probability of exceedance of maximum sustained winds ≥ 45 kmph

