

India Meteorological Department

(Ministry of Earth Sciences)

NATIONAL BULLETIN NO.: 07 (BOB/03/2023)

TIME OF ISSUE: 1230 HOURS IST

DATED: 02.08.2023

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220) TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750) CONTROL ROOM NDMA (FAX.NO. 26701729) CABINET SECRETARIAT (FAX.NO.23012284, 23018638) PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745) SECRETARY, MOES (FAX NO. 24629777) H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147) DIRECTOR GENERAL, DOORDARSHAN (23385843) DIRECTOR GENERAL, AIR (23421105, 23421219) PIB MOES (FAX NO. 23389042) UNI (FAX NO. 23355841) D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260) DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503) CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328) CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660) CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600) ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192-232656)

Sub: Deep Depression over Gangetic West Bengal

The Deep Depression over Gangetic West Bengal moved west-northwestwards with a speed of 20 kmph during past 6 hours and lay centred at 0830 hours IST of 02nd August, 2023 over the same region near latitude 23.2°N and longitude 87.1°E, close to Bankura (West Bengal), about 70 km east-southeast of Purulia (West Bengal) and 180 km east of Ranchi.

It is likely to move west-northwestwards across Jharkhand and weaken gradually into a Depression during next 12 hours and into a Well Marked Low Pressure Area during subsequent 24 hours.

Date/Time(IST)	Position (Lat. ⁰ N/ long. ⁰ E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
02.08.23/0830	23.2/87.1	50-60 gusting to 70	Deep Depression
02.08.23/1130	23.3/86.6	50-60 gusting to 70	Deep Depression
02.08.23/1730	23.5/85.6	45-55 gusting to 65	Depression
02.08.23/2330	23.7/84.6	40-50 gusting to 60	Depression
03.08.23/0530	23.9/83.6	35-45 gusting to 55	Depression

Forecast track and intensity are given in the following table:

Warnings: (i) Rainfall warning

Odisha: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall over Odisha and isolated extremely heavy rainfall also likely over north Odisha on 2nd August. Heavy rainfall at isolated places is likely on 3rd August.

Gangetic West Bengal: Light to moderate rainfall at most places with isolated heavy rainfall over Gangetic West Bengal on 2nd August.

Jharkhand: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall on 2nd August.

Bihar: Light to moderate rainfall at most places with isolated heavy rainfall on 2nd August.

Chattisgarh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall over Chhattisgarh on 2nd & 3rd August and extremely heavy rainfall over north Chhattisgarh on 2nd August. Heavy rainfall at isolated places is likely on 4th August.

East Madhya Pradesh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall during 2nd to 4th and extremely heavy rainfall on 2nd & 3rd August. Heavy rainfall at isolated places is likely on 5th August.

West Madhya Pradesh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall on 2nd & 3rd and extremely heavy rainfall on 3rd August. Heavy rainfall at isolated places is likely on 4th August.

East Uttar Pradesh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall on 2nd & 3rd August and heavy rainfall during 4th to 6th August.

(ii) Wind warning

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing over North Bay of Bengal and adjoining Bangladesh-West Bengal coasts and it is likely to become 35-45 kmph gusting to 55 kmph from afternoon to night of today, the 2nd August. It is likely to decrease gradually thereafter. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail along & off North Odisha coast till today afternoon and it is likely to become 35-45 kmph gusting to 55 kmph from afternoon of today, the 2nd August. It is likely to become 35-45 kmph gusting to 55 kmph from afternoon of today. It is likely to become 35-45 kmph gusting to 55 kmph from afternoon of today, the 2nd August. It is likely to decrease gradually thereafter.

(iii) Sea Condition: Rough to very rough sea condition very is prevailing over North Bay of Bengal and adjoining Bangladesh-West Bengal-North Odisha coasts and it is likely to become rough to moderate sea conditions from afternoon of today, the 2nd August. It is likely to improve gradually thereafter.

(iv) Fishermen Warning

Fishermen are advised not to venture into North Bay of Bengal and adjoining Bangladesh-West Bengal-North Odisha coasts till afternoon of today, the 2nd August.

(v) Damage Expected over Gangetic West Bengal

- Minor damage to loose / unsecured structures.
- Some breaches in Kutcha road due to flooding.
- Minor damage to Banana trees and near coastal agriculture.
- Damage to standing agriculture & horticulture crops.
- Minor damage to Kutcha embankments.

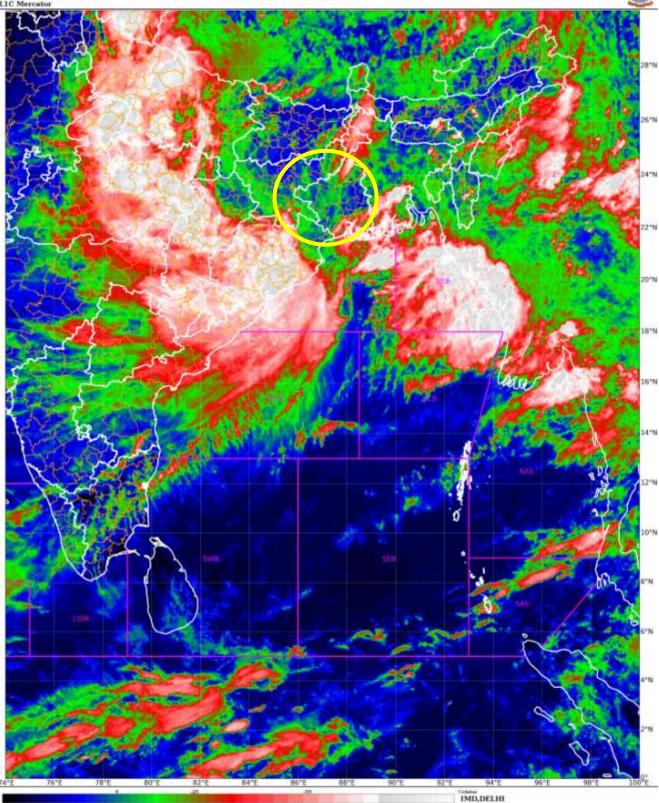
The next bulletin will be issued at 1430 hrs IST of 2nd August, 2023.

(Ananda Kumar Das) Scientist-F, RSMC, New Delhi

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

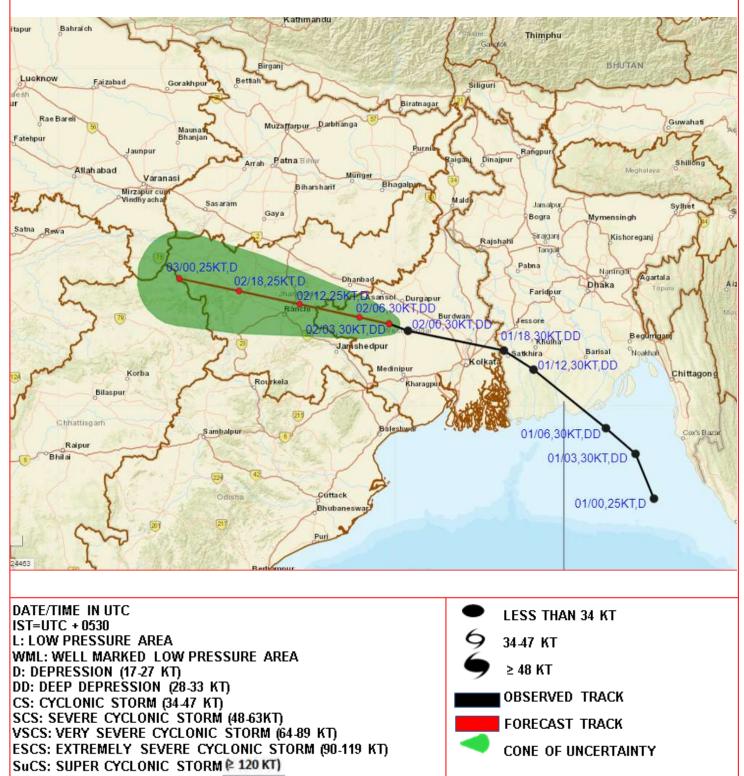
Deep Depression (23.2°N, 87.1°E)

SAT (INSAT3D IMG IMG_TIR1_TEMP 10.8 um L1C Mercator 02-08-2023/(0530 to 0557) GMT 02-08-2023/(1100 to 1127) IST



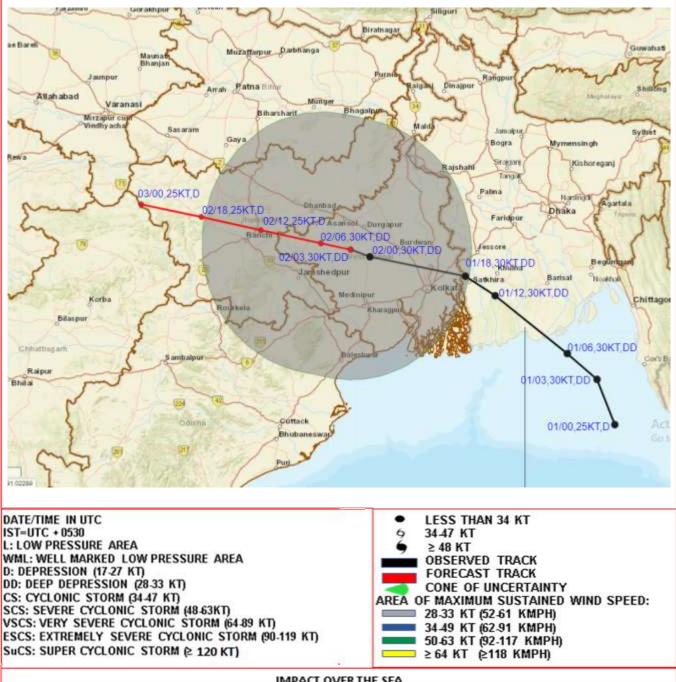


OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER GANGETIC WEST BENGAL BASED ON 0300 UTC (0830 IST) OF 02ND AUGUST 2023.



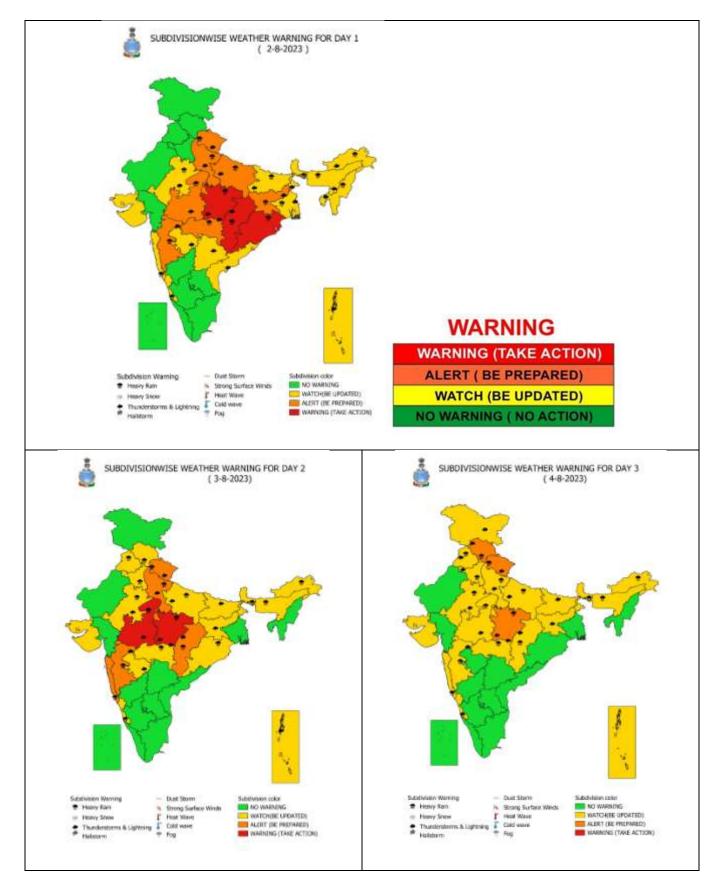


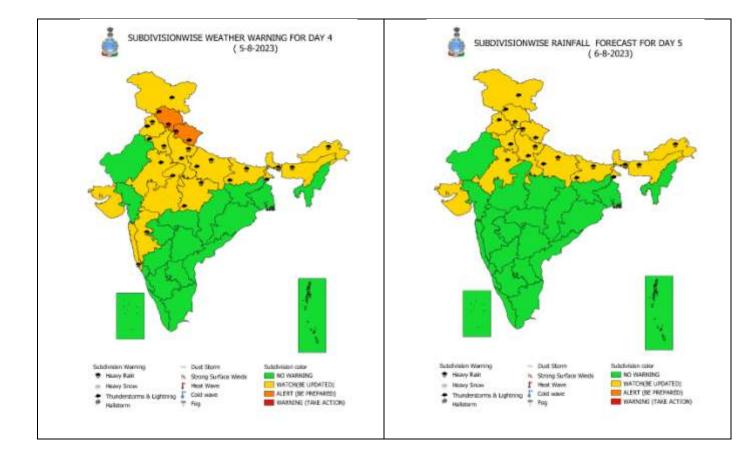
OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER GANGETIC WEST BENGAL BASED ON 0300 UTC (0830 IST) OF 02ND AUGUST 2023.

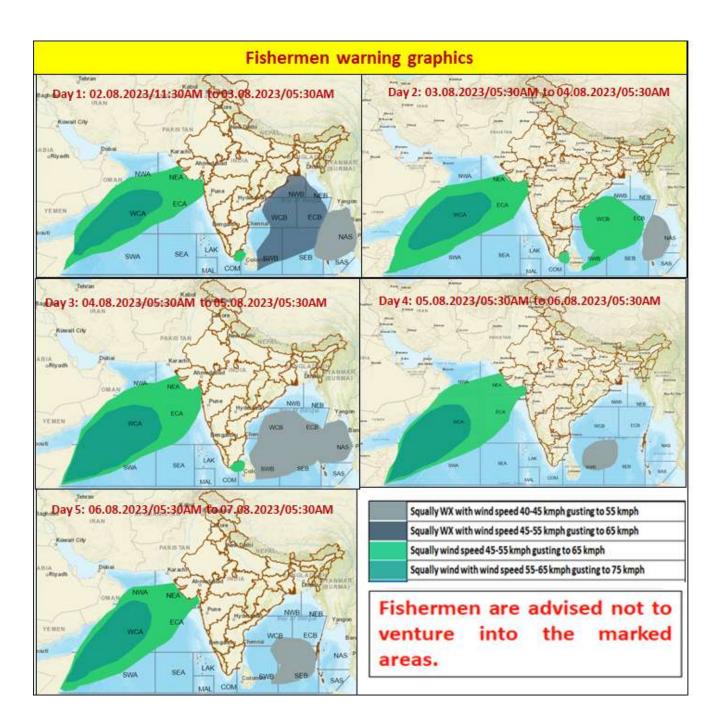


IMPACT OVER THE SEA			
MSW (knot/kmph)	Impact	Action	
28-33 (52-61)	Very rough seas	Total suspension of fishing operations	
34-49 (62-91)	High to very high seas	Total suspension of fishing operations	
50-63 (92-117)	Very high seas	Total suspension of fishing operations	
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations	

Weather Warning Graphics





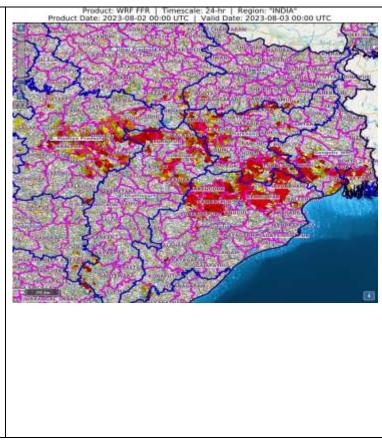


Flash Flood Guidance

24 hours Outlook for the Flash
Flood Risk (FFR) till 0530 IST of
03-08-2023 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of North Chhattisgarh&adjoiningSouth-Pradesh, East Uttar Jharkhand, East Madhya Pradesh,NorthOdisha& adjoiningGangetic West BengalMet Sub-divisions during 24 hours. next

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



Flash Flood Threat	Flash Flood Risk	
High Threat (Take Action)	High Risk (Take Action)	
Moderate threat (Be Prepared)	Moderate Risk (Be Prepared)	
Low Threat (Be Updated)	Low Risk (Be Updated)	