

#### India Meteorological Department (Ministry of Earth Sciences)

#### BULLETIN NO. : 20 (BOB/07/2022)

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#### Sub: Depression over Northwest Madhya Pradesh and adjoining East Rajasthan

The depression over Northwest Madhya Pradesh and adjoining East Rajasthan & Southwest Uttar Pradesh moved nearly westwards during past 06 hours with a speed of 08 kmph and lay centered at 1730 hrs IST of 22<sup>nd</sup> August, 2022 over Northwest Madhya Pradesh and adjoining East Rajasthan near latitude 24.4°N and longitude 77.4°E, about 20 km south-southeast of Guna (Madhya Pradesh), 80 km northeast of Rajgarh (Madhya Pradesh), 170 km east-southeast of Kota (Rajasthan) and 370 km east of Udaipur (Rajasthan).

It is likely to move nearly westwards across northwest Madhya Pradesh towards East Rajasthan and weaken into a Well Marked Low Pressure Area by tomorrow morning.

Date/Time(IST)	Position (Lat. ⁰N/ long. ⁰E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
22.08.22/1730	24.4/77.4	35-45 gusting to 55	Depression
22.08.22/2330	24.5/76.6	30-40 gusting to 50	Depression
23.08.22/0530	24.6/75.8	30-40 gusting to 50	Depression
23.08.22/1130	24.7/75.0	25-35 gusting to 45	Well Marked Low

Forecast track and intensity are given in the following table:

# Warnings:

### Rainfall:

**22<sup>nd</sup> August:** Rainfall at most places with **heavy to extremely heavy rainfall** at isolated places is very likely over west Madhya Pradesh and East Rajasthan; **heavy to very heavy rainfall** at isolated places is very likely over North Gujarat region and **heavy rainfall** at isolated places is very likely over East Madhya Pradesh, West Rajasthan & north Madhya Maharashtra.

**23<sup>rd</sup> August:** Rainfall at most places with **heavy to very heavy rainfall** at isolated places is likely over south Rajasthan & North Gujarat and **heavy rainfall** at isolated places is likely over West Madhya Pradesh and South Gujarat.

**24<sup>th</sup> August:** Rainfall at most places with heavy rainfall at isolated places is likely over Southwest Rajasthan and adjoining Kutch area.

### Wind:

Squally wind speed reaching 35-45 gusting to 55 kmph is very likely over East Rajasthan, West Madhya Pradesh and adjoining areas of East Madhya Pradesh & southwest Uttar Pradesh during next 24 hours and strong winds speed reaching 25-35 kmph gusting to 45 kmph is very likely to prevail over South Haryana & Delhi during next 24 hours and over West Rajasthan from tonight for subsequent 24 hours.

# Damage expected over Central parts of Madhya Pradesh and adjoining Southwest Uttar Pradesh:

- Damage to loose/unsecured structures. Some breaches in Kutcha road & embankments due to flooding.
- Damage to small trees like Banana, Papaya etc. 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.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

# Next Bulletin will be issued at 0230 hours IST of tomorrow, the 23<sup>rd</sup> August, 2022.

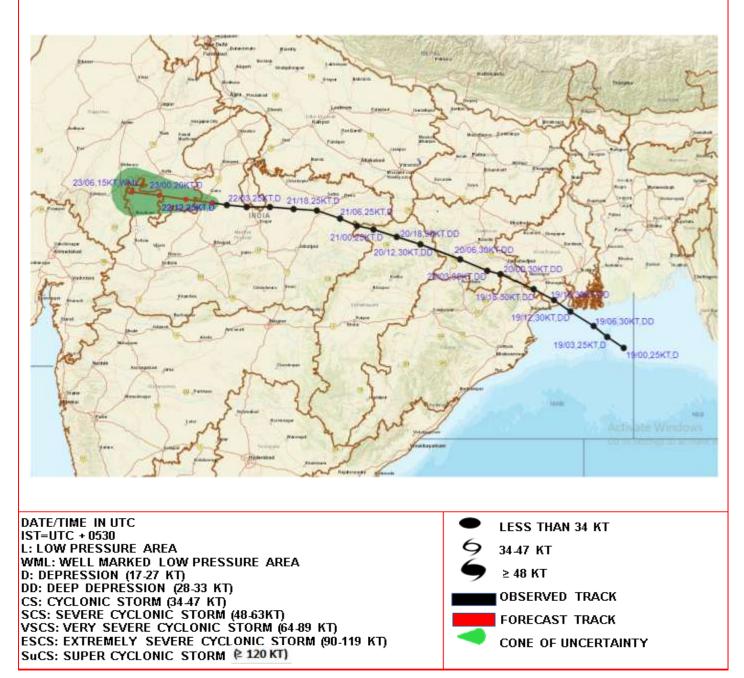
## (Ananda Kumar Das) Scientist E, Cyclone Warning Division, New Delhi

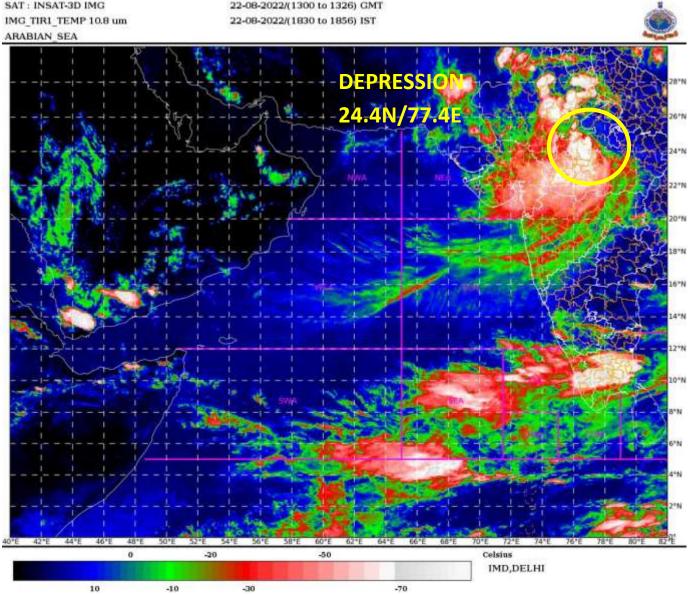
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LEGEND: Heavy Rainfall: 64.5 to 115.5mm, Very Heavy Rainfall: 115.6 to 204.4mm Extremely Heavy Rainfall: more than 204.5 mm, Most Places: more than 76% of total stations, Many Places: 50% to 75% of total stations, Isolated Places: Less than 25% of total stations



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER NORTHWEST MADHYA PRADESH AND ADJOINING EAST RAJASTHAN BASED ON 1200 UTC OF 22<sup>st</sup> AUGUST, 2022





SAT : INSAT-3D IMG

22-08-2022/(1300 to 1326) GMT

