



India Meteorological Department  
(Ministry of Earth Sciences)

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**Sub: Depression over Northwest Madhya Pradesh and adjoining Southwest Uttar Pradesh**

The depression over Northeast Madhya Pradesh and adjoining South Uttar Pradesh moved nearly westwards during past 06 hours with a speed of 15 kmph and lay centered at 0830 hrs IST of 22<sup>nd</sup> August, 2022 over Northwest Madhya Pradesh and adjoining Southwest Uttar Pradesh near latitude 24.3°N and longitude 78.4°E, about 60 km north-northwest of Sagar (Madhya Pradesh), 110 km east-southeast of Guna (Madhya Pradesh) and 120 km south of Jhansi (Uttar Pradesh).

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

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
22.08.22/0830	24.3/78.4	35-45 gusting to 55	Depression
22.08.22/1130	24.3/77.8	35-45 gusting to 55	Depression
22.08.22/1730	24.4/76.7	30-40 gusting to 50	Depression
22.08.22/2330	24.5/75.7	30-40 gusting to 50	Depression
23.08.22/0530	24.6/74.8	20-30 gusting to 40	Well Marked Low

**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 & adjoining North Gujarat and **heavy rainfall** at isolated places is likely over West Madhya Pradesh and Saurashtra & Kutch.

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

**Wind:**

- **Squally wind speed reaching 35-45 gusting to 55 kmph** is likely around the system center over West Madhya Pradesh & adjoining East Rajasthan, East Madhya Pradesh and southwest Uttar Pradesh during next 12 hours and **strong winds speed reaching 30-40 kmph gusting to 50 kmph** is likely to prevail over East Rajasthan and adjoining West Rajasthan during subsequent 12 hours.

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

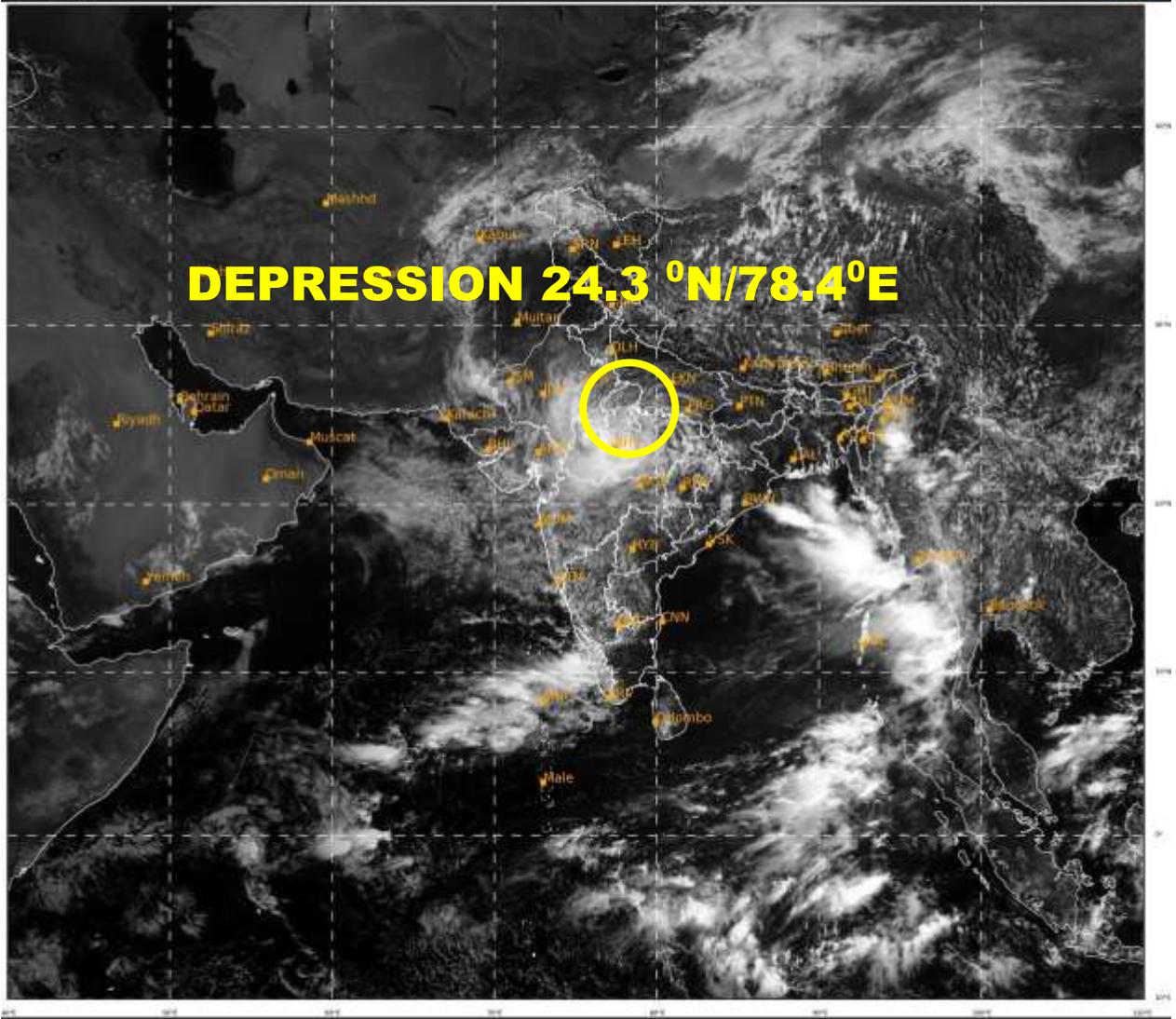
- Damage to loose/unsecured structures. Some breaches in Kutcha road & embankments due to flooding.
- Damage to small trees like Banana, Papaya etc. Damage to standing crops and horticulture.
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses.
- Reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads.
- Localized Landslide/Mudslides.
- 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 1430 hours IST of today, the 22<sup>nd</sup> August, 2022.**

**(Ananda Kumar Das)**  
**Scientist E, 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 **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



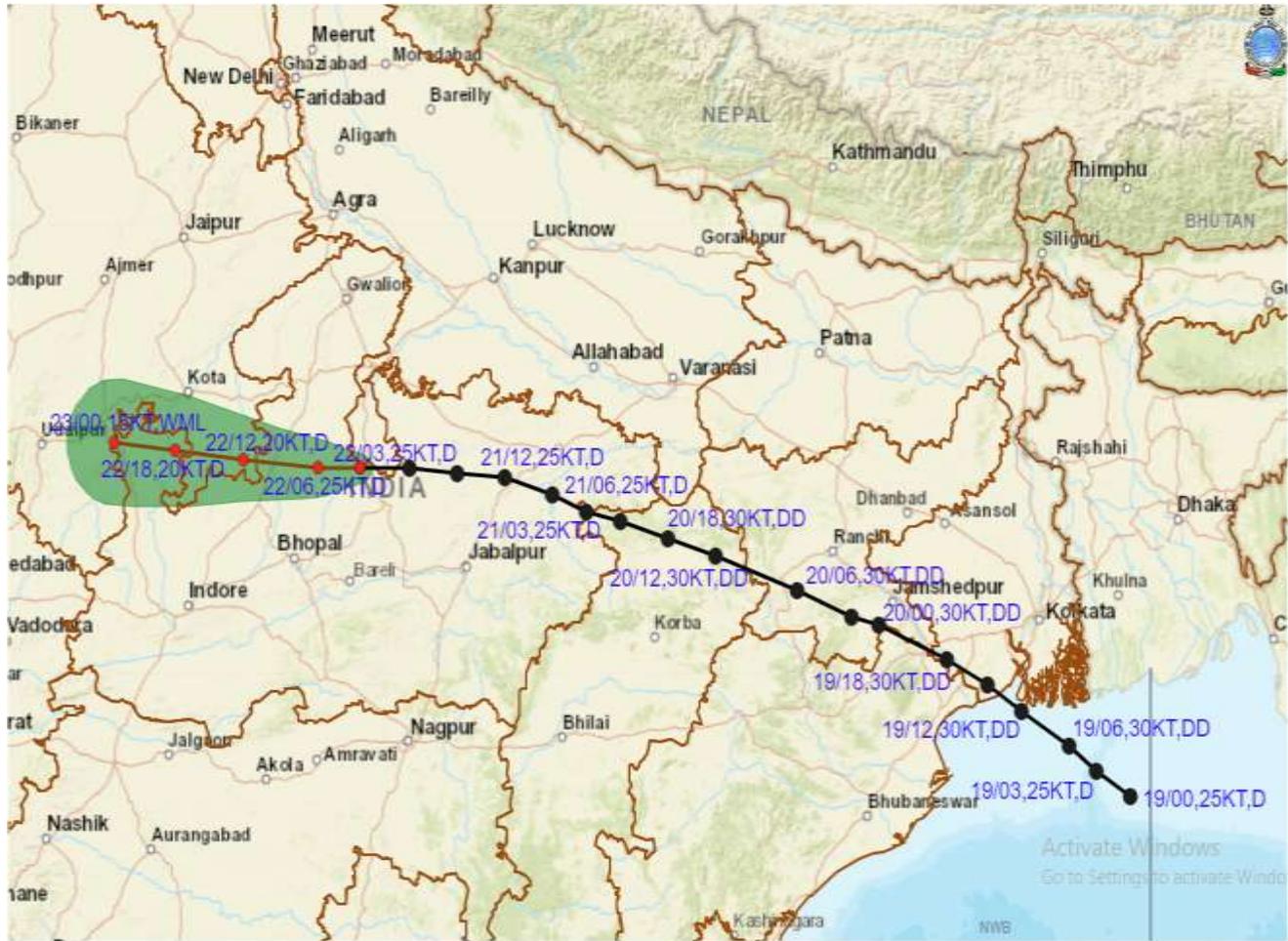
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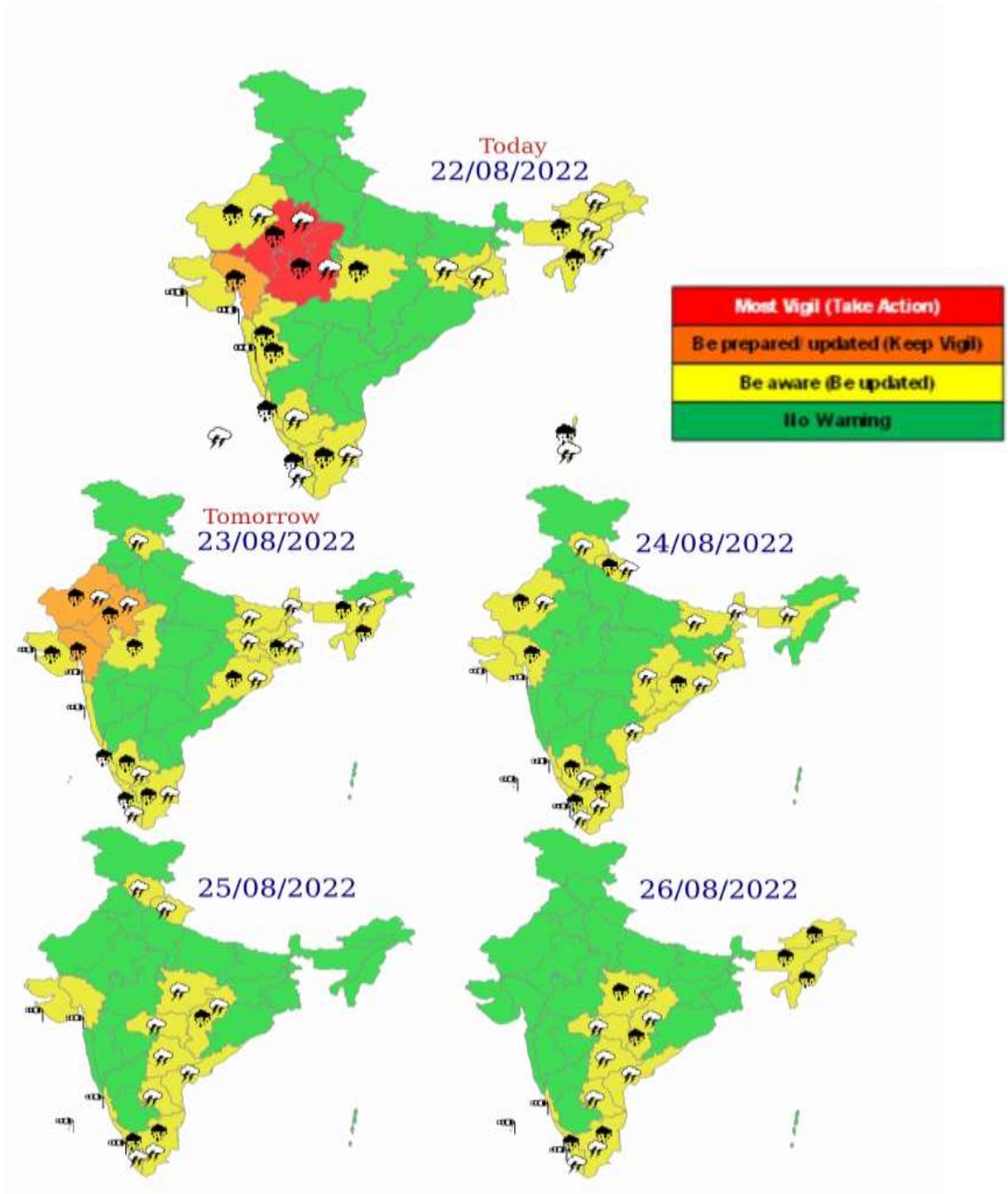


**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER NORTHWEST MADHYA PRADESH AND ADJOINING SOUTHWEST UTTAR PRADESH BASED ON 0300 UTC OF 22<sup>st</sup> AUGUST, 2022**



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 ( $\geq$  120 KT)

- LESS THAN 34 KT
- 34-47 KT
- $\geq$  48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY



Most Vigil (Take Action)
Be prepared: updated (Keep Vigil)
Be aware (Be updated)
No Warning

- |              |            |              |              |
|--------------|------------|--------------|--------------|
| Heavy Rain   | Heavy Snow | Thunderstorm | Dust Storm   |
| Strong Winds | Visibility | Cyclone      | Squall/ Hail |
| Frost        | Cold Wave  | Heat Wave    | Sea State    |