

India Meteorological Department (Ministry of Earth Sciences)

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Sub: Depression over Northeast Madhya Pradesh

The depression over Northeast Madhya Pradesh moved west-northwestwards with a speed of 17 kmph during past 6 hours and lay centered at 2330 hours IST of 17th September 2024, over the same region near latitude 24.2°N and longitude 80.3°E, about 70 km southwest of Satna (Madhya Pradesh), 100 km south-southeast of Khajuraho (Madhya Pradesh) and 160 km west of Sidhi (Madhya Pradesh).

It is likely to move nearly west-northwestwards across north Madhya Pradesh & adjoining southwest Uttar Pradesh and weaken into a Well-Marked Low Pressure Area during next 24 hours.

Warnings:

(i) Rainfall warning

Madhya Pradesh: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is likely over north Madhya Pradesh on 18th September.

Uttar Pradesh: Light to moderate rainfall at many places with **heavy to very rainfall** at isolated places over Southwest Uttar Pradesh and isolated **heavy rainfall** over southeast Uttar Pradesh on 18th September.

East Rajasthan: Light to moderate rainfall at many places with **heavy rainfall** at isolated places over northeast Rajasthan on 18th September.

(ii) Wind warning:

Squally wind speed reaching 40-50 kmph gusting to 60 kmph over north Madhya Pradesh and adjoining southwest Uttar Pradesh till evening of 18th September and decrease thereafter.

Impact Expected (North Madhya Pradesh, Southwest Uttar Pradesh and East Rajasthan due to heavy rainfall and strong winds)

- ✓ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ✓ Occasional reduction in visibility due to heavy rainfall.
- ✓ Disruption of traffic in major cities and roadways due to water logging in roads and poor visibility due to heavy rain leading to increased travel time and incidents
- ✓ Likely disruption of inland water transportation like small boats.
- ✓ Minor damage to kutcha roads.
- ✓ Possibilities of damage to vulnerable structure.
- ✓ Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.
- ✓ Damage to horticulture and standing crops in some areas due to inundation and wind.
- ✓ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested (North Madhya Pradesh, southwest Uttar Pradesh and East Rajasthan due to heavy rainfall and strong winds)

- ✓ Judicious regulation of surface transports including railways.
- ✓ Check for traffic congestion on your route before leaving for your destination.
- ✓ Follow any traffic advisories that are issued in this regard.
- ✓ Avoid going to areas that face the water logging problems often.
- ✓ Avoid staying in vulnerable structure.

Agromet advisories for Heavy Rainfall likely over various parts of the country

- ✓ Provide mechanical support to horticultural crops & staking to vegetables.
- ✓ Keep the harvested produce at safer places.

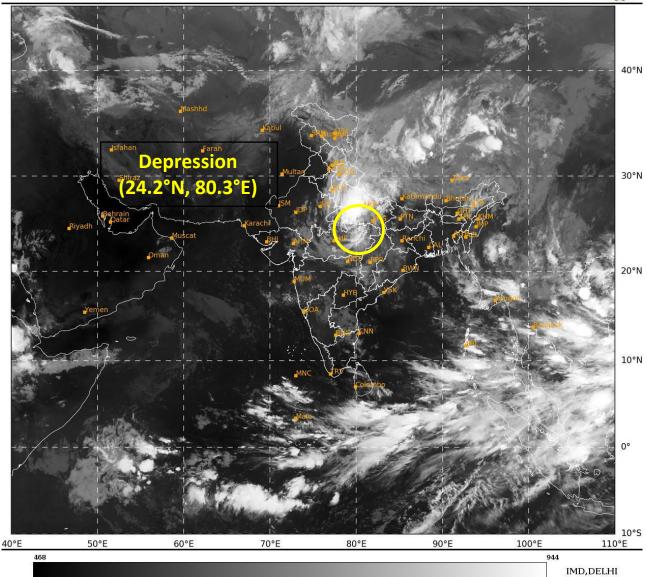
Significant amount of rainfall (from 0830 hours IST to 1730 hours IST of 17th September) (in cm) is placed at Annexure-1.

The next bulletin will be issued at 0830 hrs IST of the 18th September, 2024.

(Akhil Srivastava) Scientist-D, RSMC, New Delhi

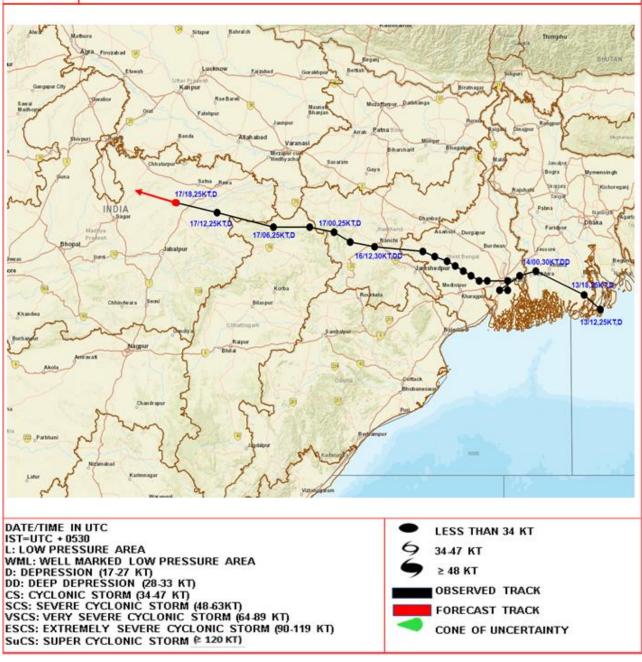
Copy to: CRS, Pune/RMC Chennai /RMC Kolkata/MC Ranchi/MC Patna/MC Raipur/MC Bhopal/MC Lucknow



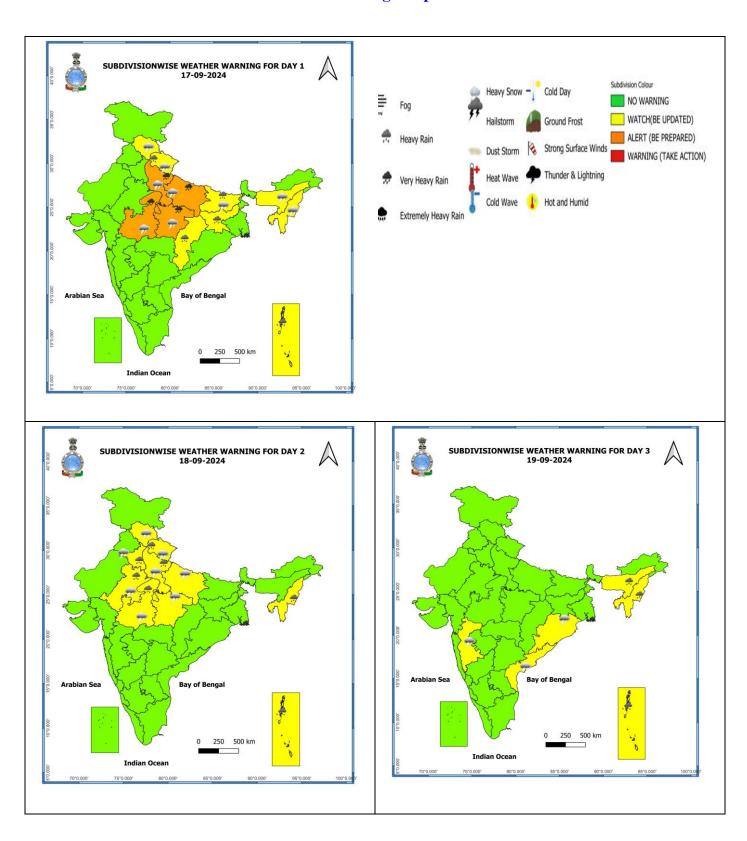


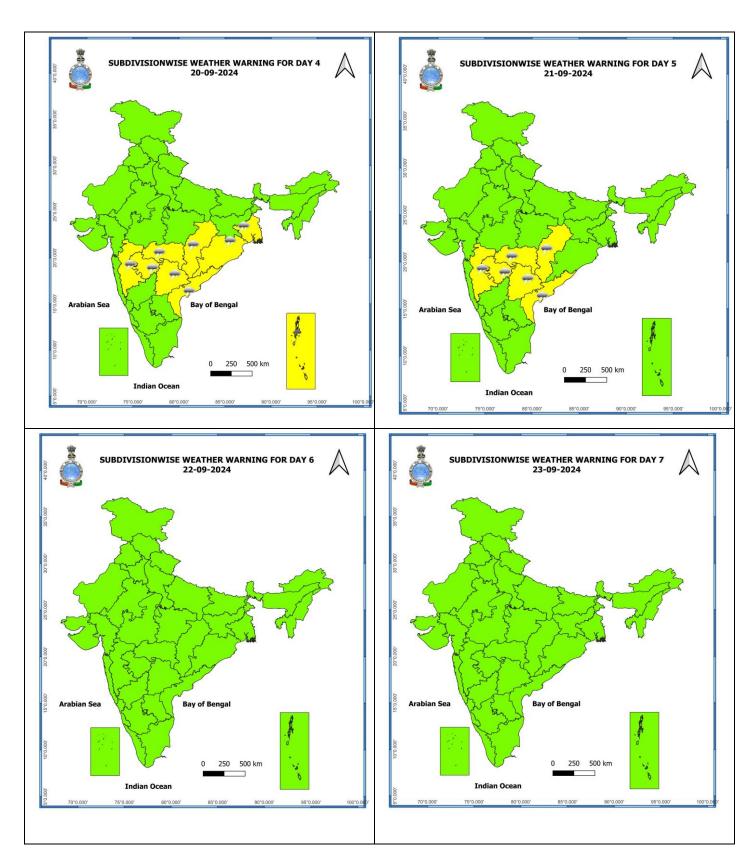


OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHEAST MADHYA PRADESH BASED ON 1800 UTC (2330 IST) OF 17TH SEPTEMBER 2024.



Weather Warning Graphics





- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Annexure-1

Significant amount of rainfall (from 0830 hours IST to 1730 hours IST of the 17th September) (in cm):

East Madhya Pradesh: Rewa-10, Sidhi-7, Satna-5, Sagar and Mandla-3 each,

Narsinghpur-2, Nowgong, Damoh, Jabalpur and Umaria-1 each;

East Uttar Pradesh: Prayagraj-6, Varanasi-4;

East Rajasthan: Dholpur-4;

West Madhya Pradesh: Gwalior-2, Hoshangabad-1; Odisha: Keonjhargarh and Bhubaneshwar-2 each.