



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

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Sub: Depression weakened into a Well Marked Low Pressure Area over northeast Madhya Pradesh & neighbourhood

The Depression over north Chhattisgarh & adjoining East Madhya Pradesh moved further west-northwestwards and weakened into a Well Marked Low Pressure Area over northeast Madhya Pradesh & neighbourhood at 0530 hrs IST of today, the 15th September 2021.

It is very likely to move west-northwestwards across north Madhya Pradesh during next 48 hours and weaken gradually.

Warnings:

(i) Rainfall

- **15th September:** Light to moderate rainfall at most places: with heavy to very heavy falls at isolated places very likely over Madhya Pradesh, south Uttar Pradesh, Gujarat State and north Konkan and heavy rainfall at isolated places over Chhattisgarh East Rajasthan and Haryana.
- **16th September:** Light to moderate rainfall at most places: with heavy to very heavy rainfall at isolated places very likely over west Uttar Pradesh, Haryana, Chandigarh & Delhi, , East Rajasthan and West Madhya Pradesh, and heavy rainfall at isolated places very likely over east Madhya Pradesh, east Rajasthan, Gujarat State and north Konkan.

(ii) EXPECTED IMPACT & ACTION SUGGESTED: Due to very Heavy/very heavy Rainfall over Gujarat state, West Madhya Pradesh, East Rajasthan & Haryana, Chandigarh & Delhi.

A. Impact Expected

- Localized Flooding of roads, inundation and 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 due to water logging in roads leading to increased travel time.
- Minor damage to kutchha roads. Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation and strong winds.

B. Action Suggested

- 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.
- Follow IMD warnings for updates

This is the last Bulletin pertaining to this Low pressure system. However, routine weather warning Bulletins will be continued from the National Weather Forecasting Centre as well as the concerned Regional & State Meteorological Centres.

(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

*Copy to: ACWC Kolkata/ Chennai/Mumbai /CWC Bhubaneswar/CWC Visakhapatnam/CWC Ahmedabad/
MC Raipur/MC Goa/MC Bhopal*

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm, **Extremely Heavy Rainfall:** 204.5mm or more. **Many Places:** 51% to 75% of the stations, **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total stations



OBSERVED TRACK OF DEEP DEPRESSION OVER NORTHWEST BAY OF BENGAL DURING 12-15 SEPTEMBER, 2021



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

SAT : INSAT-3D IMG

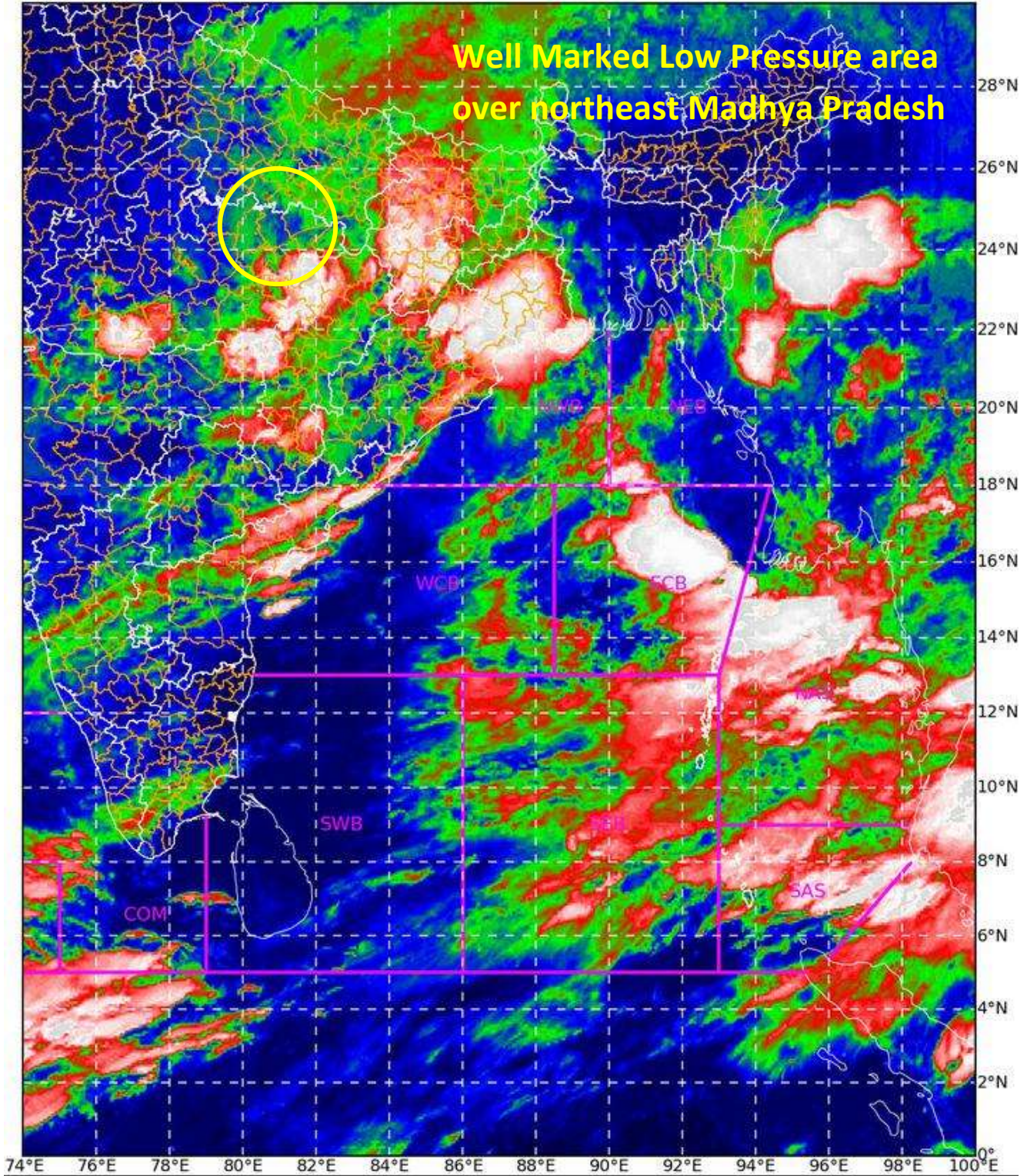
15-09-2021/(0100 to 0126) GMT

IMG_TIR1_TEMP 10.8 um

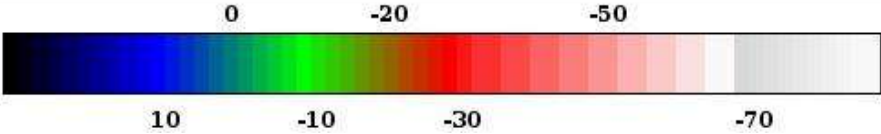
15-09-2021/(0630 to 0656) IST



L1C Mercator



**Well Marked Low Pressure area
over northeast Madhya Pradesh**



Celsius
IMD, DELHI

Meteorological Sub-division level heavy rainfall warning

