



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Press Release**  
**Date: 17<sup>th</sup> August, 2022**  
**Time of Issue: 1250 hrs IST**

**Subject:** i) A fresh spell of heavy to very heavy rainfall very likely over east-central India from the night of 18<sup>th</sup> August.  
ii) Current heavy rainfall spell likely to continue over Gujarat State & south Rajasthan on 17<sup>th</sup> and reduce thereafter.  
iii) Subdued rainfall over southern parts of Peninsula likely to continue till next 3-4 days except Tamil Nadu where it is likely to be isolated heavy rainfall during 17<sup>th</sup>-19<sup>th</sup> August.

**Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I)**

**Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)**

- Yesterdays' **Depression** over East Rajasthan & adjoining West Madhya Pradesh has weakened into a **well marked low pressure area** and lies over southwest Rajasthan & neighbourhood with associated cyclonic circulation extends upto mid- tropospheric levels. It is very likely to continue to move west-northwestwards and likely to maintain its intensity during next 24 hours.
- A cyclonic circulation lies over south Myanmar & neighbourhood and extends upto mid- tropospheric levels. Under its influence, a **Low Pressure Area is likely to form over North Bay of Bengal around 19<sup>th</sup> August, 2022.**
- The western end of monsoon trough is south of its normal position, is likely to remain so during next 2 days and shift gradually northwards thereafter. The eastern end of monsoon trough is near normal position.
- The off-shore trough runs along south Gujarat and Maharashtra coasts at mean sea level.
- **Under the influence of the above systems:**
  - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over West Rajasthan & Gujarat Region on 17<sup>th</sup>; East Rajasthan & ghat areas of Madhya Maharashtra on 17<sup>th</sup> & 21<sup>st</sup>; Saurashtra & Kutch on 17<sup>th</sup> & 18<sup>th</sup> and over Konkan & Goa on 17<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup> August, 2022.
  - ✓ **Isolated very heavy rainfall over West Rajasthan on 17<sup>th</sup> August, 2022.**
  - ✓ **Isolated heavy to very heavy rainfall with extremely heavy rainfall also likely over Gujarat State on 17<sup>th</sup> August, 2022.**
  - Under the influence of likely formation of a **Low Pressure Area** over North Bay of Bengal around 19<sup>th</sup> August; fairly widespread/widespread light/moderate rainfall is likely over Gangetic West Bengal, Odisha, Jharkhand, Vidarbha, Chhattisgarh and Madhya Pradesh during 18<sup>th</sup>-21<sup>st</sup> August, 2022.
  - ✓ **Isolated heavy rainfall** with and **thunderstorm/lightning** very likely over Gangetic West Bengal on 18<sup>th</sup> & 19<sup>th</sup>; Odisha during 18<sup>th</sup>-20<sup>th</sup>; Jharkhand on 19<sup>th</sup> & 20<sup>th</sup>; East Madhya Pradesh & Chhattisgarh during 19<sup>th</sup>-21<sup>st</sup>; Vidarbha on 20<sup>th</sup> & 21<sup>st</sup> and over West Madhya Pradesh on 21<sup>st</sup> August, 2022.
  - ✓ **Isolated heavy to very heavy rainfall also likely over East Madhya Pradesh & Chhattisgarh on 20<sup>th</sup> & 21<sup>st</sup>; Vidarbha on 21<sup>st</sup> and over Odisha on 19<sup>th</sup> & 20<sup>th</sup> August, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Uttarakhand during 18<sup>th</sup>-20<sup>th</sup>; Himachal Pradesh during 19<sup>th</sup>-21<sup>st</sup> and over East Uttar Pradesh on 19<sup>th</sup> & 20<sup>th</sup> August, 2022.

- Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Sub-Himalayan West Bengal & Sikkim on 19<sup>th</sup>; Assam & Meghalaya during 19<sup>th</sup>-21<sup>st</sup> and over Nagaland, Manipur, Mizoram & Tripura during 18<sup>th</sup>-21<sup>st</sup> August, 2022.
- Scattered to isolated light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal on 17<sup>th</sup> & 18<sup>th</sup> August, 2022.

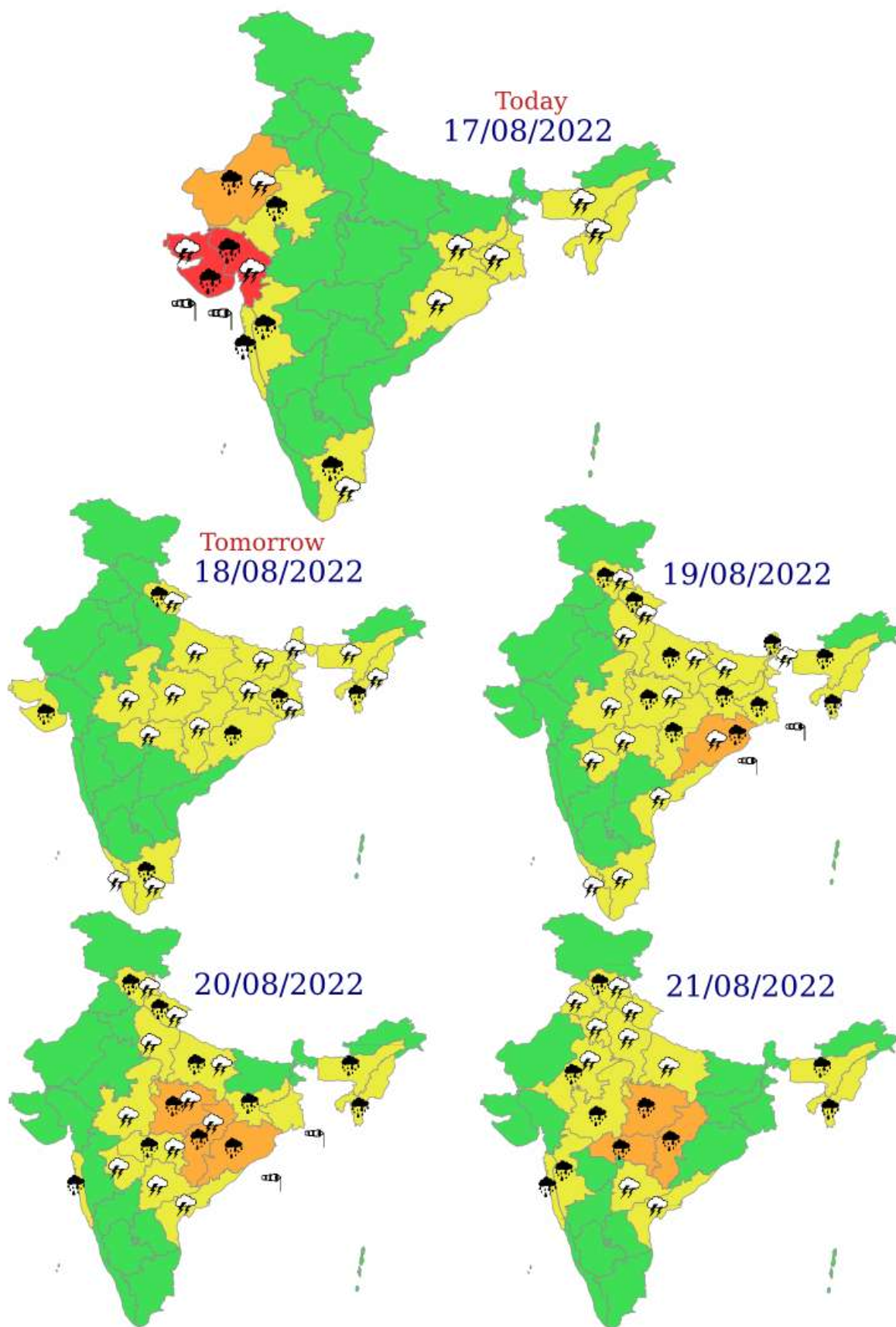
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

## Annexure I

**Extremely heavy rainfall** occurred in isolated places over West Madhya Pradesh; **heavy to very heavy rainfall** occurred in isolated places over Gujarat Region, Konkan & Goa, Madhya Maharashtra, Sub-Himalayan West Bengal and East Rajasthan and **heavy rainfall** in isolated places over Jammu, Saurashtra & Kutch, Rayalaseema, West Rajasthan, Himachal Pradesh and Odisha.

### Rainfall (in cm):

- ❖ **West Madhya Pradesh:** Nagda (dist Ujjain) 33, Alot (dist Ratlam) 16, Tal (dist Ratlam) 14, Jaora (dist Ratlam) 10, Piploda (dist Ratlam) 9, Bajna (dist Ratlam) 9, Barod (dist Agar-malwa) 9, Zirapur (dist Rajgarh) 8;
- ❖ **Gujarat Region:** Songadh (dist Tapi) 19, Khergam (dist Navsari) 16, Dantiwada (dist Banaskantha) 16, Vadgam (dist Banaskantha) 15, Poshina (dist Sabarkantha) 15, Khanvel (dist Dadara & Nagar Haveli) 15, Mahesana (dist Mehsana) 14, Madhbun (dist Dadara & Nagar Haveli) 13, Amirgad (dist Banaskantha) 13, Nanipalson (dist Valsad) 13, Kaprada (dist Valsad) 12, Daman Fmo (dist Daman) 12, Pardi (dist Valsad) 12, Becharaji (dist Mehsana) 11, Navsari (dist Navsari) 10, Visnagar (dist Mehsana) 9, Chhota Udepur (dist Chhota Udepur) 9, Kheralu (dist Mehsana) 8, Mahuva (dist Surat) 8, Chanasma (dist Patan) 8, Lakhani (dist Banaskantha) 7;
- ❖ **Madhya Maharashtra:** Igatpuri (dist Nashik) 17, Peth (dist Nashik) 15, Lonavala\_agri (dist Pune) 13, Harsul - Fmo (dist Nashik) 11, Gaganbawada (dist Kolhapur) 9, Trimbakshwar (dist Nashik) 8, Mahabaleshwar- Imd Obsy (dist Satara) 8, Ozharkheda - Fmo (dist Nashik) 7;
- ❖ **East Rajasthan:** Pratapgarh: Arnod-17, Sirohi: Mount Abu-17, Jhalawar: Dug-16, Udaipur: Kotda-13, Dunargarpur: Sabla-12, Jaipur: Phagi-8, Banswara: Jagpura-7;
- ❖ **Sub-Himalayan West Bengal:** Jalpaiguri: Kumargram-14, Buxaduar-10, Hasimara-7;
- ❖ **Konkan & Goa:** Talasari (dist Palghar) 13, Jawhar (dist Palghar) 13, Wada (dist Palghar) 12, Dahanu - Imd Obsy (dist Palghar) 11, Matheran (dist Raigad) 11, Vasai (dist Palghar) 10, Bhiwandi (dist Thane) 9, Ulhasnagar (dist Thane) 9, Karjat\_agri (dist Raigad) 9, Vikramgad (dist Palghar) 9, Pen (dist Raigad) 8, Mokheda - Fmo (dist Palghar) 8, Vaibhavwadi (dist Sindhudurg) 8, Murbad (dist Thane) 7;
- ❖ **Himachal Pradesh:** Solan: Nalagarh-10, Mandi: Baldwara-7;
- ❖ **Saurashtra & Kutch:** Dayapar\_aws (dist Kutch) 10, Sutrapada (dist Gir Somnath) 8, Lakhpat (dist Kutch) 8;
- ❖ **West Rajasthan:** Pali: Sumerpur-10, Jalore: Raniwada-8;
- ❖ **Jammu:** Kathua: Rajhani-7;
- ❖ **Rayalaseema:** Pakala (dist Chittoor) 7;
- ❖ **Odisha:** Ganjam-7.



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**i) Isolated very heavy rainfall** over West Rajasthan on 17<sup>th</sup>; East Madhya Pradesh & Chhattisgarh on 20<sup>th</sup> & 21<sup>st</sup>; Vidarbha on 21<sup>st</sup> and over Odisha on 19<sup>th</sup> & 20<sup>th</sup> August, 2022.

**ii) Isolated extremely heavy rainfall** over Gujarat State on 17<sup>th</sup> August, 2022.

### A. Impact Expected

- 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 due to water logging in roads leading to increased travel time.
- Minor damage to kutchra roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### 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.

## Legends:

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

### Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

