



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

**Press Release**  
**Date: 18<sup>th</sup> August, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject: i) A Low Pressure Area lies over Northeast Bay of Bengal & neighbourhood and likely to concentrate into a Depression by tomorrow morning leading to heavy to very heavy rainfall very likely over east-central India during next 3 days.**  
**ii) Subdued rainfall over southern parts of Peninsula likely to continue during next 5 days**

**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)**

- A **Low Pressure Area** has formed over Northeast and adjoining areas of Eastcentral Bay of Bengal, Bangladesh & Myanmar coasts in the morning (0530 hours IST) of today, the 18<sup>th</sup> August, 2022 and persists over the same region in the forenoon of today. It is very likely to move northwestwards and become **well marked low pressure area** during next 06 hours. Continuing to move northwestwards, it is likely to concentrate into a Depression by tomorrow morning over North Bay of Bengal and adjoining West Bengal & Bangladesh coasts. Thereafter, it is likely to move west-northwestwards across Gangetic West Bengal, North Odisha, Jharkhand and North Chhattisgarh.
- The **well marked low pressure area** lies over southeast Pakistan. It is very likely to continue to move west-northwestwards and weaken gradually during next 24 hours.
- The western end of the monsoon trough is likely to shift to north of the normal position from 19<sup>th</sup> August and remain so during next 2-3 days while eastern end likely to be along normal or south of the normal position during the same period.
- **Under the influence of the above systems:**
  - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Odisha during 18<sup>th</sup>-20<sup>th</sup>; Gangetic West Bengal on 18<sup>th</sup> & 19<sup>th</sup>; Jharkhand on 19<sup>th</sup> & 20<sup>th</sup>; Vidarbha on 20<sup>th</sup> & 21<sup>st</sup>; Chhattisgarh & East Madhya Pradesh during 19<sup>th</sup>-21<sup>st</sup> and over West Madhya Pradesh during 20<sup>th</sup>-22<sup>nd</sup> August, 2022.
  - ✓ **Isolated heavy to very heavy rainfall** likely over West Bengal & Sikkim on 19<sup>th</sup>; Vidarbha, Jharkhand & Odisha on 20<sup>th</sup>; East Madhya Pradesh on 21<sup>st</sup> and over West Madhya Pradesh on 22<sup>nd</sup> August, 2022.
  - ✓ **Isolated extremely heavy rainfall also likely over north Odisha on 19<sup>th</sup>; north Chhattisgarh & East Madhya Pradesh on 20<sup>th</sup> and over West Madhya Pradesh on 21<sup>st</sup> August, 2022.**
  - ✓
  - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over West Rajasthan & Gujarat State on 18<sup>th</sup> & 22<sup>nd</sup>; East Rajasthan and Konkan & Goa during 20<sup>th</sup>-22<sup>nd</sup> and over ghat areas of Madhya Maharashtra on 21<sup>st</sup> & 22<sup>nd</sup> August, 2022.
  - ✓ **Isolated very heavy rainfall over East Rajasthan on 21<sup>st</sup> & 22<sup>nd</sup> August, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir and Punjab on 20<sup>th</sup>; Uttarakhand on 19<sup>th</sup> & 20<sup>th</sup>; Himachal Pradesh and West Uttar Pradesh during 19<sup>th</sup>-21<sup>st</sup>; south Haryana on 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 Assam & Meghalaya on 19<sup>th</sup> & 20<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura during 18<sup>th</sup>-20<sup>th</sup> August, 2022.
- Scattered to isolated light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Tamil Nadu on 18<sup>th</sup> August, 2022.

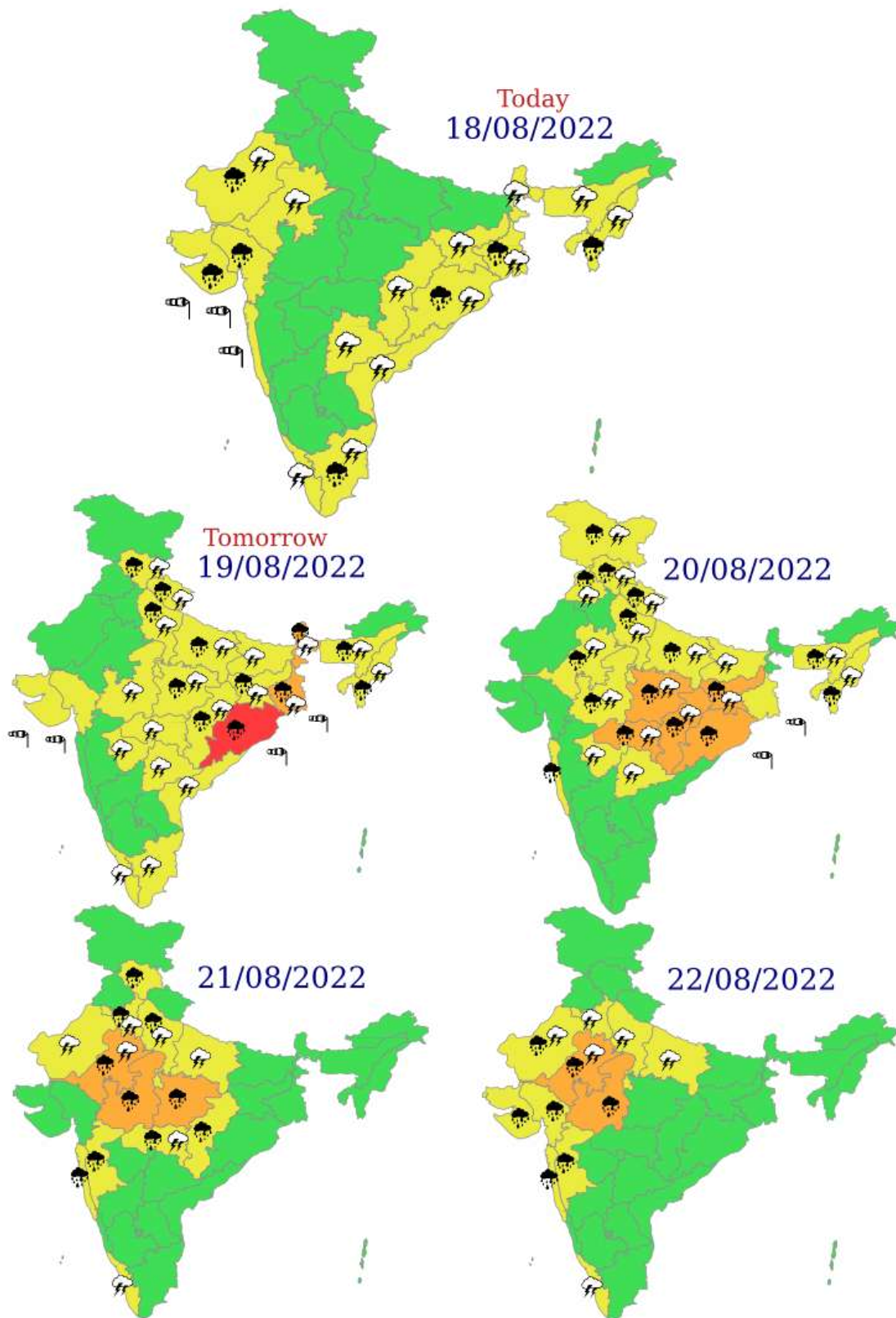
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

## Annexure I

**Heavy to very heavy rainfall** occurred in isolated places over Gujarat Region and East Rajasthan and **heavy rainfall** in isolated places over Saurashtra & Kutch, Madhya Maharashtra, West Rajasthan and Himachal Pradesh.

### Rainfall (in cm):

- ❖ **Gujarat Region:** Dantiwada (dist Banaskantha) 19, Palanpur (dist Banaskantha) 13, Daman\_arg (dist Daman) 12, Deesa (dist Banaskantha) 9, Suigam (dist Banaskantha) 9, Umerpada (dist Surat) 8, Olpad (dist Surat) 7;
- ❖ **East Rajasthan:** Mount abu Tehsil Sr (dist Sirohi) 17, Pratapgarh (dist Pratapgarh) 10, Abu Road Sr (dist Sirohi) 7;
- ❖ **Saurashtra & Kutch:** Junagadh (dist Junagadh) 11, Vadia (dist Amreli) 11, Vanthali (dist Junagadh) 10, Manavadar (dist Junagadh) 9, Jetpur (dist Rajkot) 9, Dhoraji (dist Rajkot) 9, Lakhpat (dist Kutch) 8;
- ❖ **West Rajasthan:** Dorimanna Sr (dist Barmer) 11, Gadra Road (dist Barmer) 10, Sanchore (dist Jalore) 8, Barmer (dist Barmer) 7;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 7, Nda Pune - Arg (dist Pune) 7, Igatpuri (dist Nashik) 7;
- ❖ **Himachal Pradesh: Kangra:** Dharamshala-7.



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**i) Isolated very heavy rainfall** over West Bengal & Sikkim on 19<sup>th</sup>; Vidarbha, Jharkhand & Odisha on 20<sup>th</sup>; East Madhya Pradesh on 21<sup>st</sup>; East Rajasthan on 21<sup>st</sup> & 22<sup>nd</sup> and over West Madhya Pradesh on 22<sup>nd</sup> August, 2022.

**ii) Isolated extremely heavy rainfall** over north Odisha on 19<sup>th</sup>; north Chhattisgarh & East Madhya Pradesh on 20<sup>th</sup> and over West Madhya Pradesh on 21<sup>st</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 kutcha 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)



Heavy Rain



Strong Winds

### 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



Thunderstorm with Lightning



Heat Wave