



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 12th August, 2022
Time of Issue: 1300 hrs IST

Subject: (i) Active monsoon conditions over Central parts of India during next 5 days.
(ii) Subdued rainfall activity likely to continue over Uttar Pradesh, Bihar and Northeastern states during next 2 days.

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex I for activities and amounts)

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

- Yesterday's **Well Marked Low Pressure Area** over Saurashtra & adjoining Northeast Arabian Sea concentrated into a **depression** over Northeast Arabian sea and it lay centered at 0830 hrs IST of today, the 12th August, 2022 near latitude 22.5°N and longitude 66.5°E, about 260 km west-southwest of Naliya(Gujarat), 350 km west-northwest of Porbandar(Gujarat), 270 km south of Karachi(Pakistan) and 660 km east-southeast of Chahbahar(Iran). It is very likely to move slowly west-northwestwards away from the Indian coast during next 24 hours.
- The monsoon trough is active and lies south of its normal position. Monsoon trough is likely to be active and oscillate around its normal position during next 5 days.
- The east-west shear zone runs roughly along 24°N over Central India in middle tropospheric levels. It is likely to persist during next 2 days.
- The off-shore trough runs from south Gujarat coast to Kerala coast at mean sea level.
- A cyclonic circulation lies over Western parts of Gangetic West Bengal & neighbourhood in middle tropospheric levels.
- A cyclonic circulation lies over west Myanmar & neighbourhood and extends upto middle tropospheric levels. Under its influence, a **Low Pressure Area** is likely to form over North Bay of Bengal during next 24 hours. It is likely to become more marked during subsequent 24 hours and move west-northwestwards thereafter.
- **Under the influence of above systems:**
 - Fairly widespread/Widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over West Madhya Pradesh on 12th, 14th-16th; Chhattisgarh during 12th-15th; Vidarbha during 14th-16th; Gujarat Region on 15th & 16th; Saurashtra & Kutch on 16th; Konkan & Goa during 12th-15th and over East Madhya Pradesh and Madhya Maharashtra during 12th-16th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over ghat areas of Madhya Maharashtra on 12th; East Madhya Pradesh & Chhattisgarh on 14th and over West Madhya Pradesh on 15th & 16th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over East Madhya Pradesh on 15th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya on 13th & 14th; Gangetic West Bengal on 14th; Odisha during 12th-15th and over Nagaland, Manipur, Mizoram & Tripura during 12th-14th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over Odisha on 13th with extremely heavy falls on 14th August, 2022.**

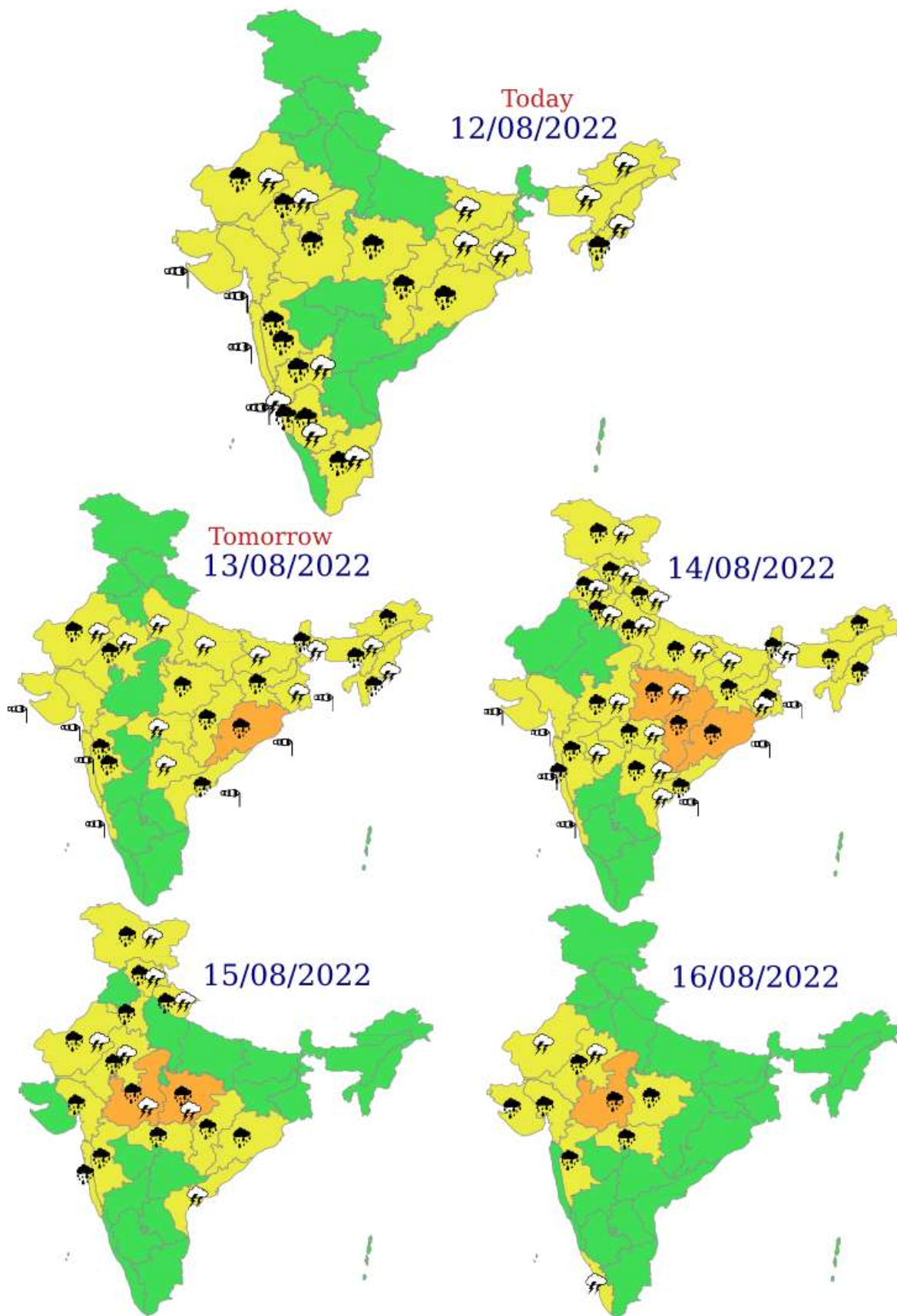
- Scattered/Fairly widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Karnataka and ghat areas of Tamil Nadu on 12th; Coastal Andhra Pradesh & Yanam on 13th & 14th and over Telangana on 14th August, 2022.
- Scattered/Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Punjab and Uttar Pradesh on 14th; West Rajasthan on 12th, 13th & 15th; East Rajasthan 12th, 13th, 15th & 16th and over Jammu & Kashmir, Himachal Pradesh, Uttarakhand & Haryana on 14th & 15th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over West Rajasthan on 15th and over East Rajasthan on 15th & 16th August, 2022.**
- **Fishermen Warning:** Fishermen are advised not to venture into North & Central Arabian Sea and along & off Gujarat and Maharashtra coasts during 12th to 14th August.

For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php
&
https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_82d82c_1.%20National%20Bulletin%2020220812_0300.pdf

- **Heavy to very heavy rainfall** with **extremely heavy falls** occurred at isolated places over West Madhya Pradesh; **heavy to very heavy rainfall** at isolated places over Odisha, Jammu & Kashmir, Chhattisgarh, Madhya Maharashtra, East Rajasthan, Jharkhand, Tamil Nadu, South Interior Karnataka and East Madhya Pradesh and **heavy rainfall** at isolated places over West Uttar Pradesh, Konkan & Goa, Gangetic West Bengal, North Interior Karnataka and Saurashtra & Kutch.

Rainfall (in cm):

- ❖ **West Madhya Pradesh:** Biaora (dist Rajgarh) 22, Ashoknagar-aws (dist Ashoknagar) 18, Rajgarh (dist Rajgarh) 13, Khilchipur (dist Rajgarh) 12, Narsingarh (dist Rajgarh) 12, Neemuch-aws (dist Neemuch) 11, Zirapur (dist Rajgarh) 10, Bamori (dist Guna) 8, Ganjbasoda (dist Vidisha) 8, Jawad (dist Neemuch) 8, Mungaoli (dist Ashoknagar) 7;
- ❖ **Odisha:** Sundargarh: Panposh-20, Banaigarh & Tensa-11 each, Deogarh: Barkote-11, Samabalpur: Kuchinda-9;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 19, Lonavala_agri (dist Pune) 16, Radhanagari (dist Kolhapur) 15, Velhe (dist Pune) 13, Ajra (dist Kolhapur) 11, Igatpuri (dist Nashik) 11, Gaganbawada (dist Kolhapur) 11, Shahuwadi (dist Kolhapur) 9, Javali Medha (dist Satara) 7;
- ❖ **East Madhya Pradesh:** Badamalhera (dist Chhatarpur) 18, Birsa (dist Balaghat) 12, Simariya (dist Panna) 11, Pawai (dist Panna) 10, Jaitpur (dist Shahdol) 10, Hatta (dist Damoh) 10, Bijawar (dist Chhatarpur) 9, Lalburra (dist Balaghat) 8, Shahpura (dist Dindori) 8, Malanjkhanda (dist Balaghat) 7;
- ❖ **Chhattisgarh:** Takhatpur (dist Bilaspur) 15, Masturi (dist Bilaspur) 12, Surajpur (dist Surajpur) 10, Bodla (dist Kabirdham) 10, Kota (dist Bilaspur) 9, Pandharia (dist Kabirdham) 9, Mungeli (dist Mungeli) 9, Kusmi (dist Balrampur) 7;
- ❖ **South Interior Karnataka:** Napoklu (dist Kodagu) 15, Kottigehara (dist Chikkamagaluru) 14, Bhagamandala (dist Kodagu) 14, Hunchadakatte (dist Shivamogga) 10, Kalasa (dist Chikkamagaluru) 9;
- ❖ **Tami Nadu:** Nilgiris: Naduvattam-14, Gudalur Bazar-11, Upper Gudalur & Avalanche-11 each, Upper Bhawani & Devala-9 each, Barwood-7;
- ❖ **Jharkhand:** Ramgarh-13, Khunti-9, Ranchi-8, West Singhbun-7;
- ❖ **East Rajasthan:** Jhalawar: Aklera-13, Kota: Mandana-12, Chittorgarh-12, Bhilwara-10;
- ❖ **Jammu & Kashmir:** Samba-12, Jammu Aero-8;
- ❖ **West Uttar Pradesh:** Lalitpur-9;
- ❖ **Saurashtra & Kutch:** Porbandar (dist Porbandar) 8, Mandvi(k) (dist Kutch) 7;
- ❖ **Konkan & Goa:** Lanja (dist Ratnagiri) 8, Jawhar (dist Palghar) 8, Tala (dist Raigad) 8, Matheran (dist Raigad) 7, Poladpur (dist Raigad) 7;
- ❖ **Gangetic West Bengal:** Burdwan, Sagar Islands, Purihansa, Phulberia: 7 each;
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 7;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated very heavy rainfall over ghat areas of Madhya Maharashtra on 12th; Odisha on 13th; East Madhya Pradesh & Chhattisgarh on 14th; West Rajasthan on 15th and over East Rajasthan and West Madhya Pradesh on 15th & 16th August, 2022.

ii) Isolated extremely heavy rainfall over Odisha on 14th and over East Madhya Pradesh and 15th 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