



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 11th August, 2022
Time of Issue: 1330 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 2-3 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 East Madhya Pradesh & neighbourhood, was seen as Low Pressure area over central Madhya Pradesh yesterday night and became less marked today's morning.
- Yesterday's **Low Pressure Area** over Saurashtra & adjoining Northeast Arabian Sea has become **Well Marked Low Pressure Area** over same region. It is likely to move west-northwestwards away from the Indian coast and intensify into a **depression** during next 48 hours over Northeast Arabian Sea & neighbourhood.
- 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 now runs roughly along 23°N over Central India in middle tropospheric levels. It is likely to persist during next 2 days.
- The off-shore trough runs from centre of **Well Marked Low Pressure Area** over Saurashtra & adjoining Northeast Arabian Sea to Kerala coast at mean sea level.
- A cyclonic circulation lies over Western parts of Gangetic West Bengal & neighbourhood in lower & middle tropospheric level.
- A Low Pressure Area is likely to form over North Bay of Bengal around 13th August, 2022. 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; East Madhya Pradesh on 11th & 12th; Chhattisgarh on 11th & 13th & 15th Vidarbha and Saurashtra & Kutch on 11th; Gujarat State on 12th, 13th & 15th; Konkan & Goa and Madhya Maharashtra during 12th-15th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over Konkan & Goa, Ghat areas of Madhya Maharashtra on 11th; West Madhya Pradesh on 11th & 15th; East Madhya Pradesh and Vidarbha on 14th & 15th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Gangetic West Bengal on 14th; Jharkhand on 11th, 13th & 14th; Odisha on 11th & 12th; Arunachal Pradesh on 13th & 14th; Assam & Meghalaya during 13th -15th and over Nagaland, Manipur, Mizoram & Tripura during 12th-15th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over Odisha on 13th, 14th and Gangetic West Bengal on 11th August, 2022.**

- Scattered/Fairly widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over ghat areas of Tamil Nadu on 11th; Karnataka on 11th & 12th and Coastal Andhra Pradesh & Yanam on 13th & 14th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over ghat areas of coastal and south interior Karnataka on 11th August, 2022.**

- Scattered/Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Rajasthan during 11th-15th; West Rajasthan on 12th & 13th; Himachal Pradesh and Uttarakhand during 11th-15th; Punjab and Haryana on 11th; and Jammu & Kashmir on 11th, 14th & 15th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over Jammu & Kashmir, Himachal Pradesh, and Uttarakhand on 11th and East Rajasthan on 11th & 15th August, 2022.**

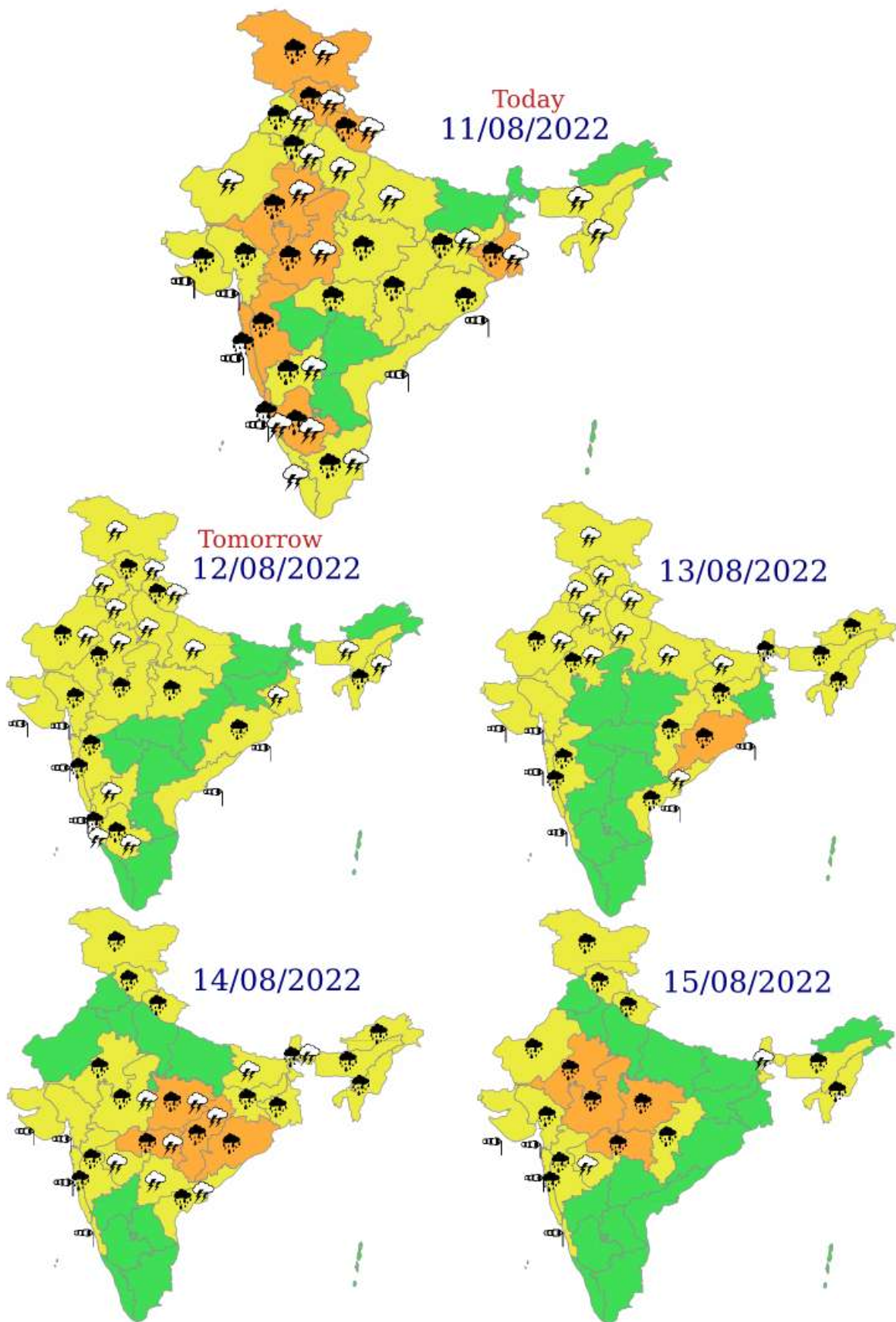
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php

Annexure I

- **Heavy to very heavy rainfall with extremely heavy falls** occurred at isolated places over Madhya Maharashtra, South Interior Karnataka and West Madhya Pradesh; **heavy to very heavy rainfall** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Konkan & Goa, Gangetic West Bengal, East Rajasthan, Jharkhand, Coastal Karnataka and East Madhya Pradesh and **heavy rainfall** at isolated places over Odisha, Chhattisgarh, North Interior Karnataka and Gujarat State.

Rainfall (in cm):

- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 23, Velhe (dist Pune) 17, Chandgad (dist Kolhapur) 12, Igatpuri (dist Nashik) 12, Yaval (dist Jalgaon) 11, Ajra (dist Kolhapur) 10, Javali Medha (dist Satara) 9, Radhanagari (dist Kolhapur) 8, Shahuwadi (dist Kolhapur) 8, Panhala (dist Kolhapur) 7;
- ❖ **Konkan & Goa:** Sawantwadi (dist Sindhudurg) 17, Matheran (dist Raigad) 13, Khed (dist Ratnagiri) 12, Tala (dist Raigad) 11, Wakwali_agri (dist Ratnagiri) 10, Dapoli_agri (dist Ratnagiri) 10, Mandangad (dist Ratnagiri) 9, Mhasla (dist Raigad) 8, Jawhar (dist Palghar) 8, Ambernath (dist Thane) 8, Lanja (dist Ratnagiri) 8, Mahad (dist Raigad) 8, Murbad (dist Thane) 8, Kalyan (dist Thane) 7, Ulhasnagar (dist Thane) 7, Roha (dist Raigad) 7, Thane (dist Thane) 7, Shahapur (dist Thane) 7, Tbia Imd Part Time (dist Thane) 7, Pen (dist Raigad) 7;
- ❖ **Gangetic West Bengal:** Horinkhola:22; Bishnupur, Magra:14; Bankura CWC: 12; Canning, Bankura, Tusuma: 10; Simulia:9; Barrackpore, Jhargram, Durgapur, Phulberia, Purulia:8; Luchipur:-7;
- ❖ **Jammu & Kashmir:** Jammu-20; Reasi-15; Udhampur-12; Samba-10; Kathua-7;
- ❖ **Uttarakhand:** Dehradun: Mussorie-16, Chakrata-11; Uttarkashi: Barkot-9, Purola-8, Dunda-7;
- ❖ **East Madhya Pradesh:** Jaisinagar (dist Sagar) 15, Rehli (dist Sagar) 12, Birsa (dist Balaghat) 11, Dheemarkheda (dist Katni) 11, Simariya (dist Panna) 10, Kesli (dist Sagar) 9, Mohkheda (dist Chindwara) 9, Bichhia (dist Mandla) 7, Chindwara-aws (dist Chindwara) 7, Sausar (dist Chindwara) 7;
- ❖ **West Madhya Pradesh:** Bhainsdehi (dist Betul) 24, Sonkatch (dist Dewas) 17, Sailana (dist Ratlam) 15, Jawar (dist Sehore) 13, Nagda (dist Ujjain) 13, Begumganj (dist Raisen) 13, Ratlam-aws (dist Ratlam) 13, Shamshabad (dist Vidisha) 12, Bajna (dist Ratlam) 11, Narsingarh (dist Rajgarh) 11, Agar (dist Agar-malwa) 10, Khategaon (dist Dewas) 10, Khachrod (dist Ujjain) 9, Vidisha (dist Vidisha) 9, Nateran (dist Vidisha) 9, Shahpur (dist Betul) 9, Badnagar (dist Ujjain) 9, Khirkiya-arg (dist Harda) 9, Jhabua-aws (dist Jhabua) 9, Dhundhadaka (dist Mandsaur) 9, Jharda (dist Ujjain) 9, Rehti (dist Sehore) 8, Berasia (dist Bhopal) 8, Bhipur (dist Betul) 8, Sitamau (dist Mandsaur) 8, Tonkhurd (dist Dewas) 8, Sarangpur (dist Rajgarh) 7, Mandsaur-aws (dist Mandsaur) 7, Dewas-aws (dist Dewas) 7, Hatpiplaya (dist Dewas) 7, Bagli (dist Dewas) 7, Tal (dist Ratlam) 7, Ashta-aws (dist Sehore) 7, Atner (dist Betul) 7, Biaora (dist Rajgarh) 7, Tarana (dist Ujjain) 7;
- ❖ **Odisha:** Jajpur-15; Mayurbhanj: Jamsolaghat and Sukruli-9;
- ❖ **East Rajasthan:** Banswara: Danpur-20, Bhungra-19, Banswara-7, Kesarpura and Loharia-8; Pratapgarh-14; Dungarpur: Aspur-9, Nithuna-8, Jhalawar: Dug-9;
- ❖ **Jharkhand:** Ramgarh: Ramgarh-16, Ramgarh Kvk Aws -11, Koner -8, Mandu-7; Bokaro: Phusro-11, Bokaro Kvk Aws -10, Tenughat-9, Chandankiary-8, Bokaro Thermal -8, Nawadih-7; Dhanbad: Papunki-11, Putki-9;
- ❖ **Chhattisgarh:** Bilaspur (dist Bilaspur) 8, Bodla (dist Kabirdham) 7, Lormi (dist Mungeli) 7;
- ❖ **Tami Nadu:** Naduvattam (dist Nilgiris) 13, Gudalur Bazar (dist Nilgiris), Devala (dist Nilgiris) 11 each, Upper Gudalur (dist Nilgiris) 10;
- ❖ **Coastal Karnataka:** Uttarakannada: Siddhapur – 12;
- ❖ **North Interior Karnataka:** Belgavi: Londa -10;
- ❖ **South Interior Karnataka:** Kottigehara (dist Chikkamagaluru) 24, Linganamakki Hms (dist Shivamogga) 13, Bhagamandala (dist Kodagu) 11, Kalasa (dist Chikkamagaluru) 9, Ponnampet Pwd (dist Kodagu) 9, Sakleshpura (dist Hassan) 7, Hunchadakatte (dist Shivamogga) 7,
- ❖ **Gujarat Region:** Umerpada (dist Surat) 9, Ukai (dist Surat) 8, Sagbara (dist Narmada) 7, Dhanera (dist Banaskantha) 7, Palsana (dist Surat) 7;
- ❖ **Saurashtra & Kutch:** Keshod (dist Junagadh) 7;
- ❖ **Himachal Pradesh:** Mandi: Sundarnagar-14, Hamirpur-12, Sarkaghat-11;



Annexure II

EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated very heavy rainfall over Jammu & Kashmir, Himachal Pradesh, Uttarakhand on Madhya Maharashtra, Gangetic West Bengal, Coastal & South Interior Karnataka and Konkan & Goa on 11th; East Madhya Pradesh and Vidarbha on 14th & 15th; West Madhya Pradesh and East Rajasthan on 11th & 15th; Chhattisgarh on 14th; Odisha on 13th & 14th 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)



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

