



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th August, 2022
Time of Issue: 1345 hrs IST

Subject: (i) Active monsoon conditions over Central India with a Well Marked Low Pressure Area over East Madhya Pradesh & neighbourhood and a Low Pressure Area over Saurashtra & adjoining Northeast Arabian Sea.
(ii) Subdued rainfall activity likely to continue over Uttar Pradesh, Bihar and northeastern states during next 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 Depression over coastal Odisha & neighbourhood moved west-northwestwards and weakened into a **Well Marked Low Pressure Area** at 0830 hours IST of today, the 10th August 2022. It now lies as a **Well Marked Low Pressure Area** over East Madhya Pradesh & neighbourhood. It is likely to move west-northwestwards and weaken into a low pressure area during next 12 hours.
- A fresh **Low Pressure Area** has formed over Saurashtra & adjoining Northeast Arabian Sea. It is very likely to be more marked during next 48 hours and move nearly westwards away from the Indian coast.
- The monsoon trough is active and lies south of its normal position. It will continue to remain so during next 3 days and shift northwards thereafter.
- The east-west shear zone now runs roughly along 22°N over Central India in middle tropospheric levels. It is likely to persist during next 3 days.
- The off-shore trough runs from centre of **Low Pressure Area** over Saurashtra & adjoining Northeast Arabian Sea to north Kerala coast at mean sea level.
- **Under the influence of above systems:**
 - Active monsoon conditions likely to continue over central parts of the country during next 2 days.
 - Fairly widespread/Widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Madhya Pradesh and Chhattisgarh during 10th-14th; West Madhya Pradesh, Gujarat state, Vidarbha and Madhya Maharashtra during 10th-12th; Konkan & Goa during 10th-13th and Marathwada on 10th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over Konkan & Goa and Madhya Maharashtra on 10th & 11th; Vidarbha on 10th; Madhya Pradesh and Saurashtra & Kutch on 11th and Gujarat Region during 10th-12th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over southwest Madhya Pradesh on 10th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Gangetic West Bengal and Jharkhand on 10th, 11th 13th & 14th; Odisha during 10th-14th; Arunachal Pradesh on 13th; Assam & Meghalaya on 10th & 13th & 14th and over Nagaland, Manipur, Mizoram & Tripura on 10th & 12th-14th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over Odisha on 10th & 13th, 14th and Gangetic West Bengal on 10th August, 2022.**

- Scattered/Fairly widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over ghat areas of Tamil Nadu and Kerala & Mahe on 10th; Karnataka on 10th & 11th; Telangana on 10th & 14th and Coastal Andhra Pradesh & Yanam on 13th & 14th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over ghat areas of Tamilnadu on 10th August, 2022.**

- Scattered/Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Rajasthan during 10th-12th; West Rajasthan on 12th & 13th; Himachal Pradesh and Uttarakhand on 10th, 11th & 14th; Punjab and Haryana on 11th; East Uttar Pradesh during 12th-14th and Jammu & Kashmir and West Uttar Pradesh on 14th August, 2022.
 - ✓ **Isolated very heavy rainfall also likely over Uttarakhand and East Rajasthan on 10th and West Rajasthan on 12th August, 2022.**

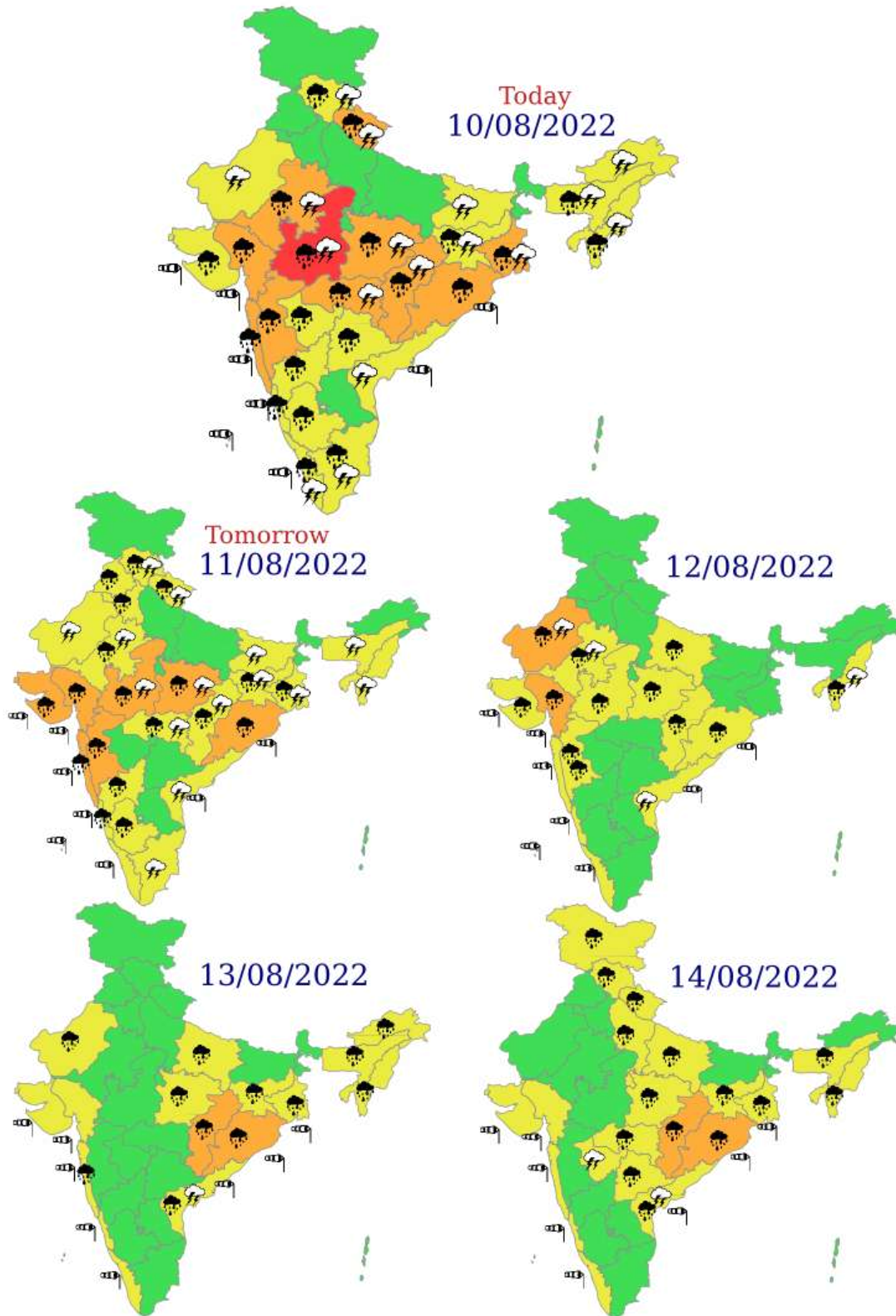
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

- **Heavy to very heavy rainfall** with **extremely heavy falls** occurred at isolated places over Vidarbha and Madhya Maharashtra; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Chhattisgarh, Madhya Pradesh, Odisha, Nagaland, Coastal Karnataka and ghat areas of Tamil Nadu and **heavy rainfall** at isolated places over Gangetic West Bengal, Assam & Meghalaya, Punjab, Gujarat state, Interior Karnataka and Kerala & Mahe.

Rainfall (in cm):

- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 22, Lonavala_agri (dist Pune) 19, Velhe (dist Pune) 14, Chandgad (dist Kolhapur) 13, Shahuwadi (dist Kolhapur) 11, Radhanagari (dist Kolhapur) 11, Javali Medha (dist Satara) 10, Gaganbawada (dist Kolhapur) 9, Igatpuri (dist Nashik) 9, Panhala (dist Kolhapur) 7;
- ❖ **Vidarbha:** Tirora (dist Gondia) 22, Tumsar (dist Bhandara) 19, Sadakarjuni (dist Gondia) 19, Goregaon (dist Gondia) 18, Korchi (dist Gadchiroli) 17, Mohadi (dist Bhandara) 16, Deori (dist Gondia) 13, Nagbhir (dist Chandrapur) 11, Hingna (dist Nagpur) 11, Gondia (dist Gondia) 11, Ramtek (dist Nagpur) 11, Bramhapuri (dist Chandrapur) 11, Salekasa (dist Gondia) 10, Desaiganj (dist Gadchiroli) 9, Chimur (dist Chandrapur) 9, Samudrapur (dist Wardha) 9, Amgaon (dist Gondia) 9, Bhandara (dist Bhandara) 9, Nagpur Aerodrome (dist Nagpur) 9, Kamptee (dist Nagpur) 9, Mauda (dist Nagpur) 8, Armori (dist Gadchiroli) 8, Deoli (dist Wardha) 8, Gondia Ap (dist Gondia) 8, Narkheda (dist Nagpur) 8, Perseoni (dist Nagpur) 8, Kharangha (dist Wardha) 8, Katol (dist Nagpur) 8, Sakoli (dist Bhandara) 7, Kuhi (dist Nagpur) 7, Umrer (dist Nagpur) 7, Arjuni Morgaon (dist Gondia) 7, Lakhani (dist Bhandara) 7, Warud (dist Amraoti) 7,
- ❖ **Chhattisgarh:** Mahasamund (dist Mahasamund) 19, Mana-raipur-ap (dist Raipur) 17, Rajnandgaon (dist Rajnandgaon) 15, Arang (dist Raipur) 15, Baloda Bazar (dist Baloda Bazar) 14, Durg (dist Durg) 13, Seovrinarayan (dist Janjgir) 13, Simga (dist Baloda Bazar) 13, Raipur (dist Raipur) 12, Bilha (dist Bilaspur) 11, Pallari/palari (dist Baloda Bazar) 11, Labhandih (dist Raipur) 11, Gundardehi (dist Balod) 11, Tilda (dist Raipur) 11, Dongargarh (dist Rajnandgaon) 11, Kashdol (dist Baloda Bazar) 11, Bhatapara (dist Baloda Bazar) 10, Dondilohara (dist Balod) 10, Mohla (dist Rajnandgaon) 10, Sarangarh (dist Raigarh) 9, Chhuria (dist Rajnandgaon) 9, Keshkal (dist Kondagaon) 9, Dhabhara (dist Janjgir) 9, Dhamtari (dist Dhamtari) 9, Pamgarh (dist Janjgir) 9, Pakhanjur (dist Kanker) 9, Bilaigarh (dist Baloda Bazar) 9, Rajim (dist Gariaband) 8, Gurur (dist Balod) 8, Masturi (dist Bilaspur) 8, Ambagarh Chowki (dist Rajnandgaon) 8, Pithora (dist Mahasamund) 8, Dongargaon (dist Rajnandgaon) 8, Khairagarh (dist Rajnandgaon) 8, Patan (dist Durg) 8, Pusaur (dist Raigarh) 8, Chhura (dist Gariaband) 8, Thankhamariya (dist Bemetara) 8, Makadi (dist Kondagaon) 8, Antagarh (dist Kanker) 8, Malkharoda (dist Janjgir) 7, Akaltara (dist Janjgir) 7, Bhanupratappur (dist Kanker) 7, Bemetara (dist Bemetara) 7, Baramkela (dist Raigarh) 7, Basana (dist Mahasamund) 7, Dhamdha (dist Durg) 7, Mainpur (dist Gariaband) 7, Charama (dist Kanker) 7, Baderajpur (dist Kondagaon) 7, Pendra (dist Bilaspur) 7, Bijapur (dist Bijapur) 7, Durgkondal (dist Kanker) 7, Kurud (dist Dhamtari) 7, Patharia (dist Mungeli) 7;
- ❖ **East Madhya Pradesh:** Gadarwara (dist Narsinghpur) 17, Barghat (dist Seoni) 16, Sausar (dist Chindwara) 12, Mohkheda (dist Chindwara) 12, Bichhua (dist Chindwara) 11, Kirnapur (dist Balaghat) 10, Tirodi (dist Balaghat) 10, Lalburra (dist Balaghat) 10, Chindwara-aws (dist Chindwara) 10, Chand (dist Chindwara) 9, Birsa (dist Balaghat) 9, Kurai (dist Seoni) 9, Chauri (dist Chindwara) 8, Lanji (dist Balaghat) 8, Kareli (dist Narsinghpur) 8, Umreth (dist Chindwara) 8, Waraseoni (dist Balaghat) 7, Pandhurna (dist Chindwara) 7, Seoni (dist Seoni) 7, Baihar (dist Balaghat) 7;
- ❖ **West Madhya Pradesh:** Hatpiplaya (dist Dewas) 15, Sonkatch (dist Dewas) 13, Timarni (dist Harda) 13, Bareli (dist Raisen) 13, Agar (dist Agar-malwa) 12, Khilchipur (dist Rajgarh) 12, Betul (dist Betul) 11, Kolar (dist Bhopal) 11, Indore (dist Indore) 11, Khirkiya-arg (dist Harda) 11, Badi (dist Raisen) 11, Barod (dist Agar-malwa) 11, Babai (makhan Nagar) (dist Narmadapuram) 10, Bankhedi (dist Narmadapuram) 10, Depalpur (dist Indore) 10, Rajgarh (dist Rajgarh) 10, Godadongri (dist Betul) 10, Multai (dist Betul) 9, Barwaha (dist Khargone) 9, Shahpur (dist Betul) 9, Sultanpur (dist Raisen) 9, Harda (dist Harda) 9, Gautampura (dist Indore) 9, Zirapur (dist Rajgarh) 8, Bhopal Arera Hills (dist Bhopal) 8, Udaipura (dist Raisen) 8, New Harsud (dist Khandwa) 8, Dolariya (dist Narmadapuram) 8, Goharganj (dist Raisen) 8, Dhar-aws (dist Dhar) 8, Pipariya (dist Narmadapuram) 8, Sohagpur (dist Narmadapuram) 8, Bagli (dist Dewas) 8, Petlawad (dist Jhabua) 8, Pachmarhi (dist Narmadapuram) 8, Raoti (dist Ratlam) 7, Bhimpur (dist Betul) 7, Khargone-aws (dist Khargone) 7, Mahidpur (dist Ujjain) 7, Ratlam-aws (dist Ratlam) 7, Udainagar (dist Dewas) 7, Sailana (dist Ratlam) 7, Budhni (dist Sehore) 7, Ghatiya (dist Ujjain) 7, Alot (dist Ratlam) 7, Nagda (dist Ujjain) 7, Jharda (dist Ujjain) 7, Narmadapuram (dist Narmadapuram) 7;

- ❖ **Odisha:** Jamankira (dist Sambalpur) 15, Lakhanpur (dist Jharsuguda) 14, Sambalpur (dist Sambalpur) 13, Dhankauda (dist Sambalpur) 12, Bijepur (dist Bargarh) 11, Burla (dist Sambalpur) 11, Angul (dist Angul) 11, Raigarh (dist Nawarangpur) 9, Reamal (dist Deogarh) 9, Th Rampur (dist Kalahandi) 9, Naktideul (dist Sambalpur) 9, Banki (dist Cuttack) 9, Salebhatta (dist Bolangir) 9, Hirakud (dist Sambalpur) 9, Chendipada (dist Angul) 9, Dunguripalli (dist Sonapur) 9, Banarpal (dist Angul) 9, Bhadrak (dist Bhadrak) 8, Sinapali (dist Nawapara) 8, Ambabhona (dist Bargarh) 8, Karlamunda (dist Kalahandi) 8, Thakurmunda (dist Mayurbhanj) 8, Bamra (dist Sambalpur) 8, Jharbandh (dist Bargarh) 8, Laikera (dist Jharsuguda) 8, Saintala (dist Bolangir) 8, Jujumura (dist Sambalpur) 8, Athmalik (dist Angul) 7, Rairakhol (dist Sambalpur) 7, Daspalla (dist Nayagarh) 7, Bhandaripokhari (dist Bhadrak) 7, Sohela (dist Bargarh) 7, Jajpur Pto (dist Jajpur) 7, Kamakhyanager (dist Dhenkanal) 7, Chandikhol (dist Jajpur) 7, Barmul (dist Nayagarh) 7;
- ❖ **Tami Nadu:** Gudalur Bazar (dist Nilgiris) 14, Avalanche (dist Nilgiris) 11, Upper Gudalur (dist Nilgiris) 10, Upper Bhavani (dist Nilgiris) 9;
- ❖ **Nagaland:** Mangkolemba (dist Mokokchung) 14,
- ❖ **Konkan & Goa:** Matheran (dist Raigad) 13, Chiplun (dist Ratnagiri) 13, Rajapur (dist Ratnagiri) 12, Mahad (dist Raigad) 12, Sawantwadi (dist Sindhudurg) 12, Mandangad (dist Ratnagiri) 11, Khed (dist Ratnagiri) 11, Lanja (dist Ratnagiri) 9, Palghar_agri (dist Palghar) 9, Dapoli_agri (dist Ratnagiri) 9, Tala (dist Raigad) 9, Murbad (dist Thane) 9, Jawhar (dist Palghar) 9, Mhasla (dist Raigad) 8, Khalapur (dist Raigad) 8, Poladpur (dist Raigad) 7, Vasai (dist Palghar) 7, Pen (dist Raigad) 7, Panvel_agri (dist Raigad) 7, Wada (dist Palghar) 7, Wakwali_agri (dist Ratnagiri) 7;
- ❖ **Coastal Karnataka:** Siddapur (dist Uttara Kannada) 13, Jagalbet (dist Uttara Kannada) 8;
- ❖ **East Rajasthan:** Garhi (dist. Banswara) 12, Sajjangarh SR (dist. Banswara) 11, Khushalgarh (dist. Banswara) 9, Pratapgarh (dist Pratapgarh) 8;
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 11;
- ❖ **South Interior Karnataka:** Kottigehara (dist Chikkamagaluru) 9, Kammardi (dist Chikkamagaluru) 9, Ponnampet Pwd (dist Kodagu) 7, Bhagamandala (dist Kodagu) 7;
- ❖ **Gangetic West Bengal:** Sagar Island: 9; Digha, Contai: 7;
- ❖ **Saurashtra & Kutch:** Sutrapada (dist Gir Somnath) 8, Porbandar (dist Porbandar) 7;
- ❖ **Kerala:** Vythiri (Wayanad district): 8;
- ❖ **Assam & Meghalaya:** Moranhat (dist Dibrugarh) 8,
- ❖ **Gujarat Region:** Santrampur (dist Mahisagar) 7, Vijapur (dist Mehsana) 7;
- ❖ **Punjab:** Dasuya (dist Hoshiarpur) 7.



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

- i) Isolated extremely heavy rainfall** over southwest Madhya Pradesh on 10th August, 2022;
- ii) Isolated very heavy rainfall** over East Madhya Pradesh on 10th & 11th; Gangetic West Bengal, Uttarakhand and East Rajasthan, Vidarbha and Chhattisgarh on 10th; Odisha on 10th, 13th & 14th; Konkan & Goa and Madhya Maharashtra on 10th & 11th; Gujarat Region during 10th-13th; and over West Rajasthan on 12th 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

