



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 23rd August, 2022
Time of Issue: 1230 hrs IST

Subject: i) Well Marked Low Pressure Area over East Rajasthan & adjoining Northwest Madhya Pradesh.
ii) Heavy rainfall spell over East India during next 2 days.
iii) Subdued rainfall activity over Northwest & Central India 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)

- Yesterday's **Depression** over Northwest Madhya Pradesh & adjoining southwest Uttar Pradesh moved west-northwestwards and weakened into a **Well Marked Low Pressure Area** over East Rajasthan & adjoining northwest Madhya Pradesh at 0830 hrs IST of today.
- The western end of the monsoon trough at mean sea level is south of its normal position and eastern end is near its normal position.
- A cyclonic circulation lies over Northeast Bay of Bengal & neighbourhood extending upto middle tropospheric levels.
- **Under the influence of the above systems:**
 - Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over southwest Madhya Pradesh & south Gujarat on 23rd; southwest Rajasthan on 23rd & 24th; Chhattisgarh on 26th & 27th August, 2022
 - ✓ **Heavy to very heavy rainfall** also likely over north Gujarat State and south Rajasthan on 23rd August, 2022.
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Bihar on 23rd; East Uttar Pradesh on 24th; Sub-Himalayan West Bengal & Sikkim on 23rd, 26th & 27th; Odisha, Jharkhand & Gangetic West Bengal on 23rd & 24th August, 2022.
 - ✓ **Heavy to very heavy rainfall** also likely over Odisha on 23rd & 24th August, 2022.
 - Fairly widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Arunachal Pradesh on 23rd, 26th & 27th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.
 - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Uttarakhand on 23rd & 24th; Jammu & Kashmir on 24th and over Himachal Pradesh on 24th & 25th August, 2022.

- Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Coastal & South Interior Karnataka on 23rd & 24th; Tamilnadu during 23rd-26th and over Kerala & Mahe during 23rd-27th August, 2022.
 - ✓ **Heavy to very heavy rainfall** also likely over Kerala & Mahe on 23rd & 24th August, 2022.
- **Strong Surface winds** (speed reaching 20-30 kmph gusting to 40 kmph) very likely to prevail over southeast Rajasthan & adjoining West Madhya Pradesh and strong surface wind (speed reaching 15-25 kmph gusting to 35 kmph) over remaining parts of Rajasthan and adjoining north Gujarat Region and south Haryana & Delhi during next 24 hours.

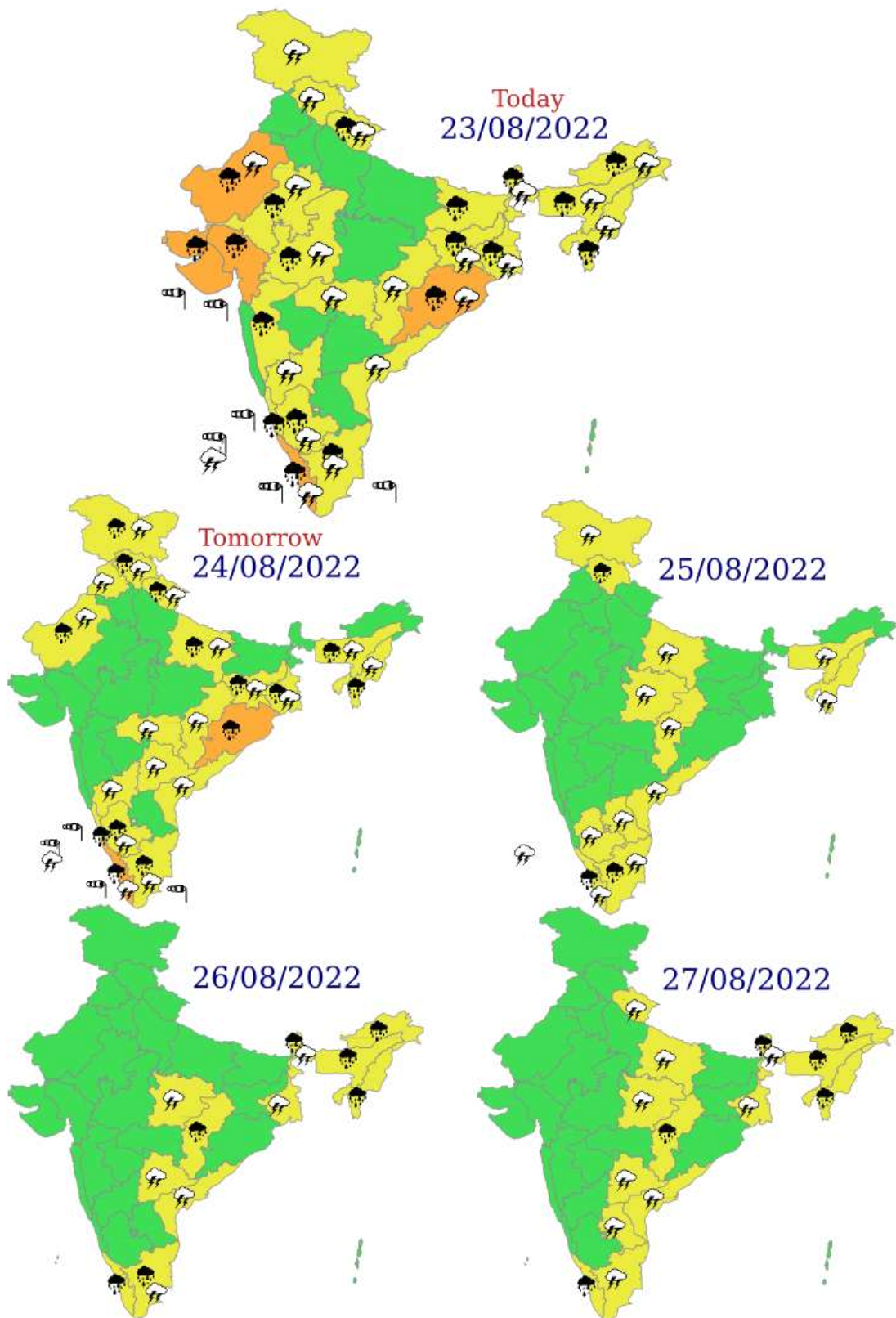
For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php

Heavy to very heavy rainfall with extremely heavy falls at isolated places occurred over East Rajasthan and West Madhya Pradesh; **heavy to very heavy rainfall** at isolated places over Kerala, Coastal Karnataka, Tamilnadu and **heavy rainfall** at isolated places over Konkan & Goa, Madhya Maharashtra, West Rajasthan, Gujarat Region, Coastal Andhra Pradesh and Odisha.

Rainfall (in cm):

- ❖ **East Rajasthan:** Pratapgarh (dist Pratapgarh) 34, Dug (dist Jhalawar) 29, Arnod Sr (dist Pratapgarh) 26, Pirawa (dist Jhalawar) 23, Bakani Sr (dist Jhalawar) 23, Pachpahar Sr (dist Jhalawar) 17, Gangdhar Sr (dist Jhalawar) 17, Aklera (dist Jhalawar) 16, Asnawar Sr (dist Jhalawar) 15, Jhalarpatan Sr (dist Jhalawar) 13, Jahazpur (dist Bhilwara) 12, Manohar Thana (dist Jhalawar) 11, Bijoliya Sr (dist Bhilwara) 11, Kekri Sr (dist Ajmer) 11, Pipalkhant Sr (dist Pratapgarh) 10, Chabra (dist Baran) 10, Jhalawar (dist Jhalawar) 10, Chhotisadri (dist Pratapgarh) 10, Chipabarod Sr (dist Baran) 9, Nimbahera (dist Chittorgarh) 9, Piplu Sr (dist Tonk) 9, Danpur (dist Banswara) 9, Kotkasim Sr (dist Alwar) 9, Bhungra Sr (dist Banswara) 9, Hindoli (dist Bundi) 9, Khanpur (dist Jhalawar) 9, Nagrarfort Sr (dist Tonk) 9, Deoli (dist Tonk) 9, Mandalgarh (dist Bhilwara) 9, Garhi (dist Banswara) 8, Uniara / Aligarh (dist Tonk) 8, Kotri (dist Bhilwara) 8, Chittorgarh (dist Chittorgarh) 8, Todaraisingh Sr (dist Tonk) 7, Vijaynagar Sr (dist Ajmer) 7;
- ❖ **West Madhya Pradesh:** Zirapur (dist Rajgarh) 29, Alot (dist Ratlam) 28, Narsingarh (dist Rajgarh) 25, Nalkheda (dist Agar-malwa) 25, Biaora (dist Rajgarh) 24, Jaora (dist Ratlam) 23, Goharganj (dist Raisen) 21, Sanjeet (dist Mandsaur) 21, Kalapipal (dist Shajapur) 20, Shyampur (dist Sehore) 19, Sarangpur (dist Rajgarh) 19, Suvasara (dist Mandsaur) 18, Bairagarh Airport (dist Bhopal) 18, Rajgarh (dist Rajgarh) 18, Mahidpur (dist Ujjain) 18, Khachrod (dist Ujjain) 18, Bhopal Arera Hills (dist Bhopal) 17, Kayampur (dist Mandsaur) 16, Gairatgang (dist Raisen) 16, Sailana (dist Ratlam) 16, Raghogarh (dist Guna) 16, Pachore (dist Rajgarh) 16, Budhni (dist Sehore) 16, Ichhawar (dist Sehore) 15, Narmadapuram (dist Narmadapuram) 15, Badodiya (dist Shajapur) 15, Shamshabad (dist Vidisha) 14, Ghatiya (dist Ujjain) 14, Shajapur (dist Shajapur) 14, Dhundhadaka (dist Mandsaur) 14, Piploda (dist Ratlam) 14, Manasa (dist Neemuch) 13, Gulana (dist Shajapur) 13, Ratlam-aws (dist Ratlam) 13, Raoti (dist Ratlam) 13, Vidisha (dist Vidisha) 13, Shujalpur (dist Shajapur) 13, Ujjain-aws (dist Ujjain) 12, Ashta-aws (dist Sehore) 11, Babai (makhan Nagar) (dist Narmadapuram) 11, Jharda (dist Ujjain) 10, Rehti (dist Sehore) 10, Tonkhurd (dist Dewas) 9, Sonkatch (dist Dewas) 9, Sohagpur (dist Narmadapuram) 8, Dolariya (dist Narmadapuram) 7;
- ❖ **Coastal Karnataka:** Mani (dist Dakshina Kannada) 16, Mulki (dist Dakshina Kannada) 15, Mangaluru Ap Obsy (dist Dakshina Kannada) 11, Puttur Hms (dist Dakshina Kannada) 9, Sulya (dist Dakshina Kannada) 9, Panambur Obsy (dist Dakshina Kannada) 9, Uppinangadi (dist Dakshina Kannada) 7, Karkala (dist Udupi) 7;
- ❖ **Kerala:** Hosdurg (Kasaragod district) 16, Thalassery (Kannur district) 12, Vadakara (Kozhikode district), Irikkur (Kannur district), Peruvannamuzhi ARG (Kozhikode district) & Cheruthazham ARG (Kannur district) 11 each, Kozhikode, Kannur, Quilandi (Kozhikode district), Kudulu (Kasaragod district) & Mattannur ARG (Kannur district) 10 each, Karipur AP (Malappuram district), Idukki & Mahe (Puducherry UT) 9 each, Kannur Airport AWS 8, Alappuzha, Vellanikkara (Thrissur district), Kayamkulam_agri (Alappuzha district), Ernakulam South, Kodungallur (Thrissur district), Pattambi (Palakkad district), Angadipuram, Perinthalamanna & Nilambur (all in Malappuram district) & Taliparamba (Kannur district) 7 each;
- ❖ **Tamilnadu:** Velankanni (dist Nagapattinam) 13, Nagapattinam (dist Nagapattinam), Nannilam (dist Tiruvarur) 10 each, Kodavasal (dist Tiruvarur), Chinnakalar (dist Coimbatore), Arantangi (dist Pudukkottai) 9 each, Uthiramerur (dist Kancheepuram), Vedaranyam (dist Nagapattinam) 7 each;
- ❖ **West Rajasthan:** Jaitran (dist Pali) 11, Marwar Junction (dist Pali) 7, Desuri (dist Pali) 7;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 10, Gaganbawada (dist Kolhapur) 7;
- ❖ **Odisha:** Boudhgarh-9;
- ❖ **Konkan & Goa:** Dapoli_agri (dist Ratnagiri) 8;
- ❖ **Gujarat Region:** Patan_aws (dist Patan) 7;
- ❖ **Coastal Andhra Pradesh:** Sompeta (dist Srikakulam) 7;



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over north Gujarat State and south Rajasthan on 23rd and over Kerala & Mahe and Odisha on 23rd & 24th 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

