



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 13th August, 2022
Time of Issue: 1315 hrs IST

Subject: (i) A Low Pressure Area has formed over North Bay of Bengal at 0830 hrs IST of today, the 13th August, 2022. It is likely to intensify into a Depression during next 36 hours and move west-northwestwards across the Indian sub-continent.
(ii) Active monsoon conditions over Central parts of India during next 3 days and over Northwest India during 14th-16th August, 2022.

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** now lies over Northwest and adjoining Northeast Arabian Sea. It has moved nearly westwards with a speed of 10 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 13th August, 2022, near latitude 22.1°N and longitude 63.6°E, about 560 km west-southwest of Naliya (Gujarat), 630 km west of Porbandar (Gujarat), 470 km southwest of Karachi (Pakistan) and 460 km southeast of Chahbahar (Iran). It is very likely to further move northwestwards and weaken into a **Well Marked Low Pressure Area** during next 06 hours. Thereafter, the remnant Well Marked Low Pressure Area is likely to recurve north-northeastwards and weaken further gradually and become less significant for the Indian Region.
- 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.
- A trough runs from the above Depression over Northwest and adjoining Northeast Arabian Sea to south Rajasthan between 3.1 km & 4.5 km above mean sea level.
- The off-shore trough runs along south Gujarat and Maharashtra coasts at mean sea level.
- A **Low Pressure Area** has formed over North Bay of Bengal at 0830 hrs IST of today, the 13th August, 2022. It is very likely to move west-northwestwards, become well marked during next 12 hours and concentrate into a depression during subsequent 24 hours.
- **Under the influence of the above systems:**
 - Fairly widespread/Widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Madhya Pradesh & Chhattisgarh during 13th-15th; Konkan & Goa, Madhya Maharashtra and West Madhya Pradesh during 13th-16th; Gujarat Region during 13th-17th; Vidarbha on 14th & 15th; Saurashtra & Kutch on 13th, 16th & 17th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over Chhattisgarh on 13th; Madhya Maharashtra on 13th & 14th; East Madhya Pradesh on 15th; Vidarbha on 14th; Konkan & Goa on 14th & 15th; West Madhya Pradesh on 14th & 16th and over Gujarat Region on 15th & 16th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over East Madhya Pradesh & Chhattisgarh on 14th; Madhya Maharashtra and West Madhya Pradesh on 15th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jharkhand and West Bengal & Sikkim on 13th & 14th; Odisha during 13th-15th; Arunachal Pradesh, Assam & Meghalaya and over Nagaland, Manipur, Mizoram & Tripura on 13th, 14th & 17th August, 2022.

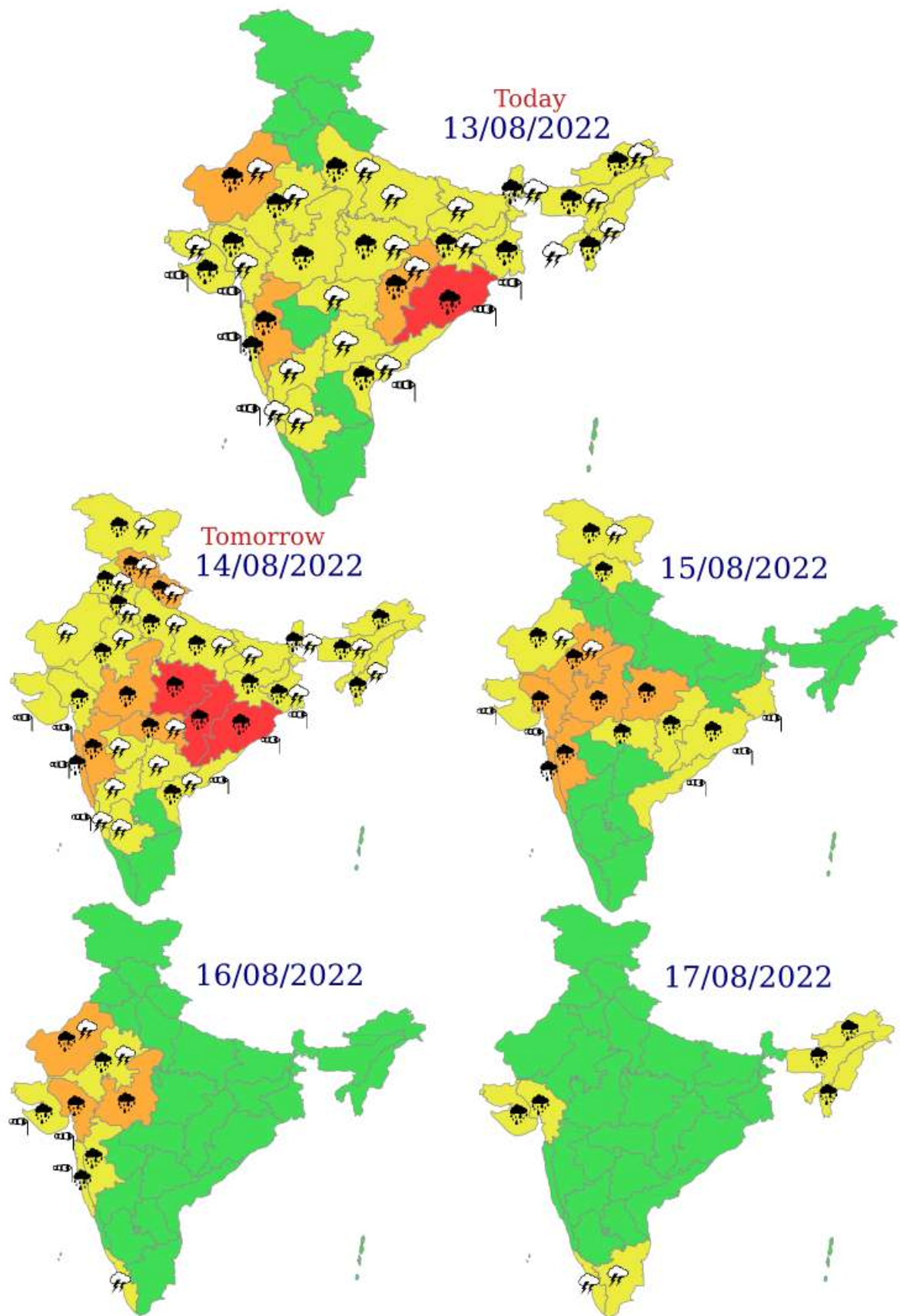
- ✓ **Isolated heavy to very heavy with extremely heavy rainfall also likely over Odisha on 13th increasing to scattered heavy to very heavy with isolated extremely heavy rainfall on 14th August, 2022. The intensity of rainfall would decrease on 15th August with isolated heavy rainfall over western Odisha.**
- Scattered/Fairly widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam on 13th & 14th August, 2022.
- Scattered/Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over southwest Uttar Pradesh on 13th; Punjab, Haryana, Uttarakhand & Uttar Pradesh on 14th; Jammu & Kashmir and Himachal Pradesh 14th & 15th; West Rajasthan on 13th, 15th & 16th and over East Rajasthan during 13th-16th August, 2022.
- ✓ **Isolated very heavy rainfall also likely over Himachal Pradesh & Uttarakhand on 14th; East Rajasthan on 15th and over West Rajasthan on 13th & 16th August, 2022.**
- **Fishermen Warning:**
 - ✓ Fishermen are advised not to venture into north & central Arabian Sea and along & off Gujarat and Maharashtra coasts on 13th and 14th August.
 - ✓ Fishermen are advised not to venture into north and adjoining central Bay of Bengal and along & off Bangladesh, West Bengal, Odisha and adjoining North Andhra Pradesh coasts on 13th and 14th August.

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

- **Heavy to very heavy rainfall** at isolated places over East Uttar Pradesh, Gujarat Region, Chhattisgarh, Madhya Maharashtra and East Madhya Pradesh and **heavy rainfall** at isolated places over Odisha, West Madhya Pradesh, Rajasthan, Tripura, Arunachal Pradesh, Jharkhand and Konkan & Goa.

Rainfall (in cm):

- ❖ **East Madhya Pradesh:** Mawai (dist Mandla) 17, Satna (raghurajnagar) (dist Satna) 14, Sohawal (dist Satna) 12, Katni(mudwara) (dist Katni) 12, Rampur Baghelan (dist Satna) 11, Bichhia (dist Mandla) 11, Ramnagar (dist Satna) 10, Gohparu (dist Shahdol) 10, Nagode (dist Satna) 10, Gudh (dist Rewa) 9, Bilhari (dist Katni) 8, Venkatnagar (dist Anuppur) 8, Birsa (dist Balaghat) 8, Singodi (dist Katni) 8, Jaisingh Nagar (dist Shahdol) 8, Baihar (dist Balaghat) 8, Devendranagar (dist Panna) 8, Malanjkhanda (dist Balaghat) 8, Kusmi (dist Sidhi) 7;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- lmd Obsy (dist Satara) 16, Igatpuri (dist Nashik) 11, Velhe (dist Pune) 10, Gaganbawada (dist Kolhapur) 10, Lonavala_agri (dist Pune) 9, Radhanagari (dist Kolhapur) 8;
- ❖ **East Uttar Pradesh:** Chitrakoot: Karwi-16;
- ❖ **Chhattisgarh:** Pali (dist Korba) 14, Champa (dist Janjgir) 8, Bilaspur (dist Bilaspur) 8, Bilha (dist Bilaspur) 7, Odagi (dist Surajpur) 7, Seovrinarayan (dist Janjgir) 7, Korba (dist Korba) 7, Ramanujnagar (dist Surajpur) 7, Lormi (dist Mungeli) 7;
- ❖ **Gujarat Region:** Vijaynagar (dist Sabarkantha) 14, Himatanagar (dist Sabarkantha) 12, Vijapur (dist Mehsana) 12, Talod (dist Sabarkantha) 11, Mansa (dist Gandhinagar) 10, Radhanpur (dist Patan) 10, Idar (dist Sabarkantha) 9, Kalol(g) (dist Gandhinagar) 8, Bhiloda (dist Aravalli) 7;
- ❖ **Odisha:** Kalahandi & Sonapur-11 each, Boudhgarh & Rayagara-9 each, Bargarh, Mayurbhanj & Bolangir-8 each.
- ❖ **East Rajasthan:** Sirohi: Abu Road-11, Bundi: Bundi-10, Udaipur: Girva-9, Dungarpur: Devel-8, Rajsamand: Nathdwara-8, Kota: Ladpura-8;
- ❖ **West Rajasthan:** Jalore-8, Pali-7;
- ❖ **Konkan & Goa:** Tala (dist Raigad) 8, Lanja (dist Ratnagiri) 7;
- ❖ **Jharkhand:** Ranchi-8;
- ❖ **West Madhya Pradesh:** Jawad (dist Neemuch) 7.



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated very heavy rainfall over Chhattisgarh on 13th; Madhya Maharashtra on 13th & 14th; East Rajasthan & East Madhya Pradesh on 15th; Himachal Pradesh, Uttarakhand & Vidarbha on 14th; Konkan & Goa on 14th & 15th; West Madhya Pradesh on 14th & 16th and over Gujarat Region on 15th & 16th and over West Rajasthan on 13th & 16th August, 2022.

ii) Isolated extremely heavy rainfall over Odisha on 13th & 14th; East Madhya Pradesh & Chhattisgarh on 14th; Madhya Maharashtra and over West Madhya Pradesh on 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)



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

