



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Press Release**  
**Date: 14<sup>th</sup> August, 2022**  
**Time of Issue: 1315 hrs IST**

**Subject: (i) Depression over northwest Bay of Bengal and adjoining coastal areas of West Bengal & North Odisha.**  
**(ii) Active monsoon conditions over Central parts of India and Rajasthan during next 2-3 days and over Northwest India during 14<sup>th</sup>-15<sup>th</sup> 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)**

- The Low Pressure Area over north Bay of Bengal lay as a well marked low pressure area over northwest Bay of Bengal off North Odisha & West Bengal coasts at 1730 hours IST of yesterday, the 13<sup>th</sup> August, 2022. It moved slightly west-northwestwards, concentrated into a depression and lay centered at 0830 hours IST of today, the 14<sup>th</sup> August over northwest Bay of Bengal and adjoining coastal areas of West Bengal North Odisha near latitude 21.7°N and longitude 87.8°E about 10 km southeast of Digha (West Bengal) and 90 km east-northeast of Balasore (Odisha). It is very likely to move west-northwestwards and cross West Bengal & adjoining north Odisha coasts close to Digha during next 6 hours. Thereafter, it is very likely to continue to move west-northwestwards and maintain the intensity of depression during next 24 hours.
- The monsoon trough is likely to remain active during next 5 days. Its western end runs near its normal position and the eastern end to the south of its normal position. The western end of the Monsoon trough is likely to shift southwards and the eastern end northwards after 2 days.
- The off-shore trough runs along south Gujarat and Maharashtra coasts at mean sea level.
- **Under the influence of the above systems:**
  - Fairly widespread/Widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Madhya Pradesh, Jharkhand, Vidarbha, Chhattisgarh and Telangana on 14<sup>th</sup> & 15<sup>th</sup>; Konkan & Goa, north Madhya Maharashtra and West Madhya Pradesh during 14<sup>th</sup>-16<sup>th</sup>; Gujarat state on 16<sup>th</sup> & 17<sup>th</sup>; Odisha during 14<sup>th</sup>- 18<sup>th</sup> August, 2022. **Heavy rainfall** at a few places also likely over Chhattisgarh and Odisha during next 24 hours.
    - ✓ **Isolated very heavy rainfall likely over Telangana, south Jharkhand and Gangetic West Bengal on 14<sup>th</sup>; Konkan & Goa, East Madhya Pradesh, Vidarbha & Chhattisgarh on 15<sup>th</sup>; north Madhya Maharashtra during 14<sup>th</sup>-16<sup>th</sup>; West Madhya Pradesh on 14<sup>th</sup> & 16<sup>th</sup>; Gujarat state on 16<sup>th</sup> and over Odisha on 18<sup>th</sup> August, 2022.**
    - ✓ **Isolated extremely heavy rainfall also likely over Odisha, East Madhya Pradesh, Vidarbha & Chhattisgarh on 14<sup>th</sup> and over West Madhya Pradesh on 15<sup>th</sup> August, 2022.**
  - Scattered/Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over West Uttar Pradesh and Haryana on 14<sup>th</sup>; Punjab on 14<sup>th</sup> & 15<sup>th</sup>; East Uttar Pradesh during 14<sup>th</sup>-17<sup>th</sup>; Uttarakhand on 14<sup>th</sup> & 18<sup>th</sup>; Jammu division on 15<sup>th</sup> August, 2022.
    - ✓ **Isolated very heavy rainfall also likely over Uttarakhand on 14<sup>th</sup>; Himachal Pradesh on 14<sup>th</sup> & 15<sup>th</sup>; West Rajasthan on 16<sup>th</sup>; East Rajasthan on 14<sup>th</sup> & 16<sup>th</sup> August, 2022.**
    - ✓ **Isolated extremely heavy falls also likely over East Rajasthan on 15<sup>th</sup> August, 2022.**

○ **Fishermen Warning:**

- ✓ 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 till 15th August morning.

For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php)

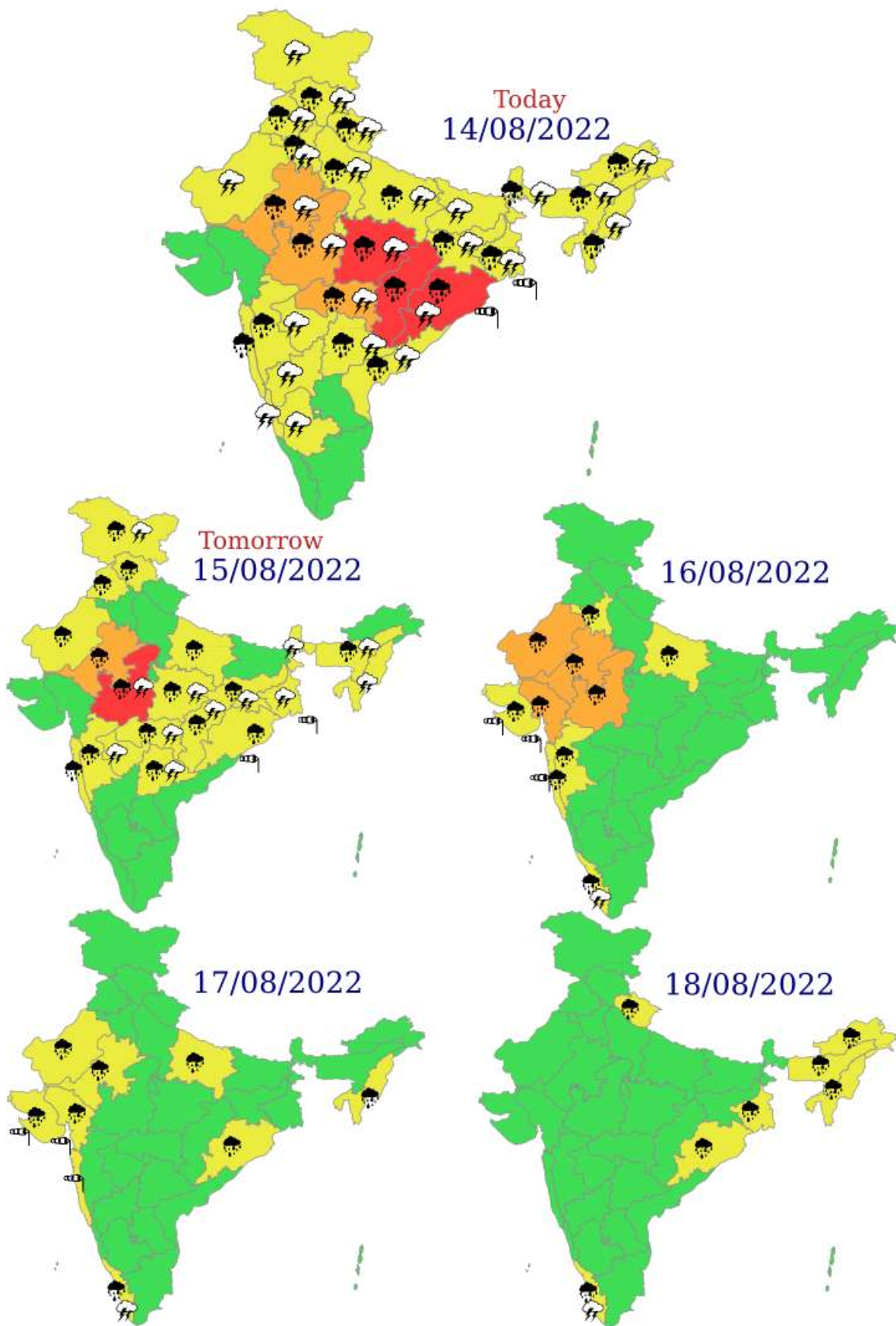
&

[https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1\\_82d82c\\_1.%20National%20Bulletin%2020220812\\_0300.pdf](https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_82d82c_1.%20National%20Bulletin%2020220812_0300.pdf)

- **Extremely heavy rainfall** at isolated places over Odisha and West Madhya Pradesh; **heavy to very heavy rainfall** at isolated places over West Rajasthan, East Uttar Pradesh and Chhattisgarh and **heavy rainfall** at isolated places over East Rajasthan, Madhya Maharashtra, Konkan & Goa, Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh, Jharkhand and Telangana.

#### Rainfall (in cm):

- ❖ **Odisha:** Ersama (Jagatsinghpur, Non Drms Station) 21, Hemgiri (Sundargarh) 20, Astaranga (Puri) 17, Rajgangapur (Sundargarh) 17, Sundergarh (Sundargarh) 16, Banki (Cuttack) 16, Phiringia (Kandhamal) 16, Tangarpali (Sundargarh) 16, Dhankauda (Sambalpur) 16, Lephripara (Sundargarh) 16, Balikuda (Jagatsinghpur) 15, Sambalpur (Sambalpur) 15, Gop (Puri) 14, Tirtol (Jagatsinghpur) 13, Naugaon (Jagatsinghpur) 13, Alipingal (Jagatsinghpur) 13, Binika (Sonepur) 13, Burla (Sambalpur) 13, Nawana (Mayurbhanj) 13, Jagatsinghpur (Jagatsinghpur) 12, Kakatpur (Puri) 12, Kantapada (Cuttack) 12, Niali (Cuttack) 12, Mandiradam (Sundargarh) 11, Biridi (Jagatsinghpur) 11, Telkoi (Keonjhar) 11, Hirakud (Sambalpur) 11, R. Udayagiri (Gajapati) 10, Ragunathpur (Jagatsinghpur) 10, Banpur (Khurda) 10, Jagannath Prasad (Ganjam) 10;
- ❖ **West Madhya Pradesh:** Shivpuri (dist Shivpuri) 21, Pohri (dist Shivpuri) 18, Karhal (dist Sheopur) 16, Karera (dist Shivpuri) 9, Pathari (dist Vidisha) 8, Sheopur-aws (dist Sheopur) 7,
- ❖ **Chhattisgarh:** Seovrinarayan (dist Janjgir) 15, Baloda Bazar (dist Baloda Bazar) 15, Pamgarh (dist Janjgir) 15, Bilaigarh (dist Baloda Bazar) 9, Gidam (dist Dantewada) 9, Pusaur (dist Raigarh) 9, Kashdol (dist Baloda Bazar) 9, Sarangarh (dist Raigarh) 9, Raigarh (dist Raigarh) 9, Ambikapur (dist Surguja) 8, Mahasamund (dist Mahasamund) 8, Darbha (dist Bastar) 8, Bhatapara (dist Baloda Bazar) 7, Dhabhara (dist Janjgir) 7, Bastanar (dist Bastar) 7, Pakhanjur (dist Kanker) 7, Bhairamgarh (dist Bijapur) 7, Basana (dist Mahasamund) 7, Bastar (dist Bastar) 7, Pithora (dist Mahasamund) 7;
- ❖ **West Rajasthan:** Barmer Tehsil Sr (dist Barmer) 15, Bautu Sr (dist Barmer) 15, Barmer (dist Barmer) 12, Ramsar Sr (dist Barmer) 11, Luni Sr (dist Jodhpur) 8, Balotra Sr (dist Barmer) 7;
- ❖ **East Uttar Pradesh:** Robertsganj (Dist Sonbhadra) 12, Chopan Fmo (Dist Sonbhadra) 8, Ghorawal (Dist Sonbhadra) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Yuksom AWS 11; Gyalsing AWS, Gangtok 10; Gyalsong PTO 9; Damthang, Tadong (AWS), Pakyong, Tadong 7, Darjeeling PTO 7;
- ❖ **East Rajasthan:** Malarana dungar Sr (dist Sawai Madhopur) 11, Khandar Sr (dist Sawai Madhopur) 9, Bonli (dist Sawai Madhopur) 9, Nagar Sr (dist Bharatpur) 8, Lalsot (dist Dausa) 8;
- ❖ **East Madhya Pradesh:** Hanumana (dist Rewa) 9, Niwas (dist Mandla) 7, Bijadandi (dist Mandla) 7, Jabalpur-aws (dist Jabalpur) 7,
- ❖ **Telangana:** Manuguru (dist B. Kothagudem) 10, Tadwai Mlg (dist Mulugu) 10, Pinapaka (dist B. Kothagudem) 9, Aswapuram (dist B. Kothagudem) 7;
- ❖ **Konkan & Goa:** Lanja (dist Ratnagiri) 9,
- ❖ **Jharkhand:** Bano Simdega Kvk Aws (Dist Simdega) 8;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 7,



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**i) Isolated very heavy rainfall** over Uttarakhand, West Madhya Pradesh, south Jharkhand, Gangetic West Bengal and Telangana on 14<sup>th</sup>; Konkan & Goa, East Madhya Pradesh, Vidarbha & Chhattisgarh on 15<sup>th</sup>; Madhya Maharashtra during 14<sup>th</sup>-16<sup>th</sup>; Himachal Pradesh on 14<sup>th</sup> & 15<sup>th</sup>; Odisha on 18<sup>th</sup>; East Rajasthan and West Madhya Pradesh on 14<sup>th</sup> & 16<sup>th</sup>; West Rajasthan on 16<sup>th</sup> August, 2022.

**ii) Isolated extremely heavy rainfall** over Odisha, East Madhya Pradesh, Vidarbha & Chhattisgarh on 14<sup>th</sup> and over East Rajasthan and West Madhya Pradesh on 15<sup>th</sup> 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

