



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

**Press Release
Date: 17th September, 2022
Time of Issue: 1330 hrs IST**

**Subject: (i) Rainfall likely to decrease over Uttar Pradesh from today and over Bihar from tomorrow for subsequent 2 days.
(ii) A fresh spell of enhanced rainfall with isolated heavy to very heavy falls likely to commence over Odisha and Gangetic West Bengal from 20th September and extend to Eastcentral & East India during subsequent 3-4 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)

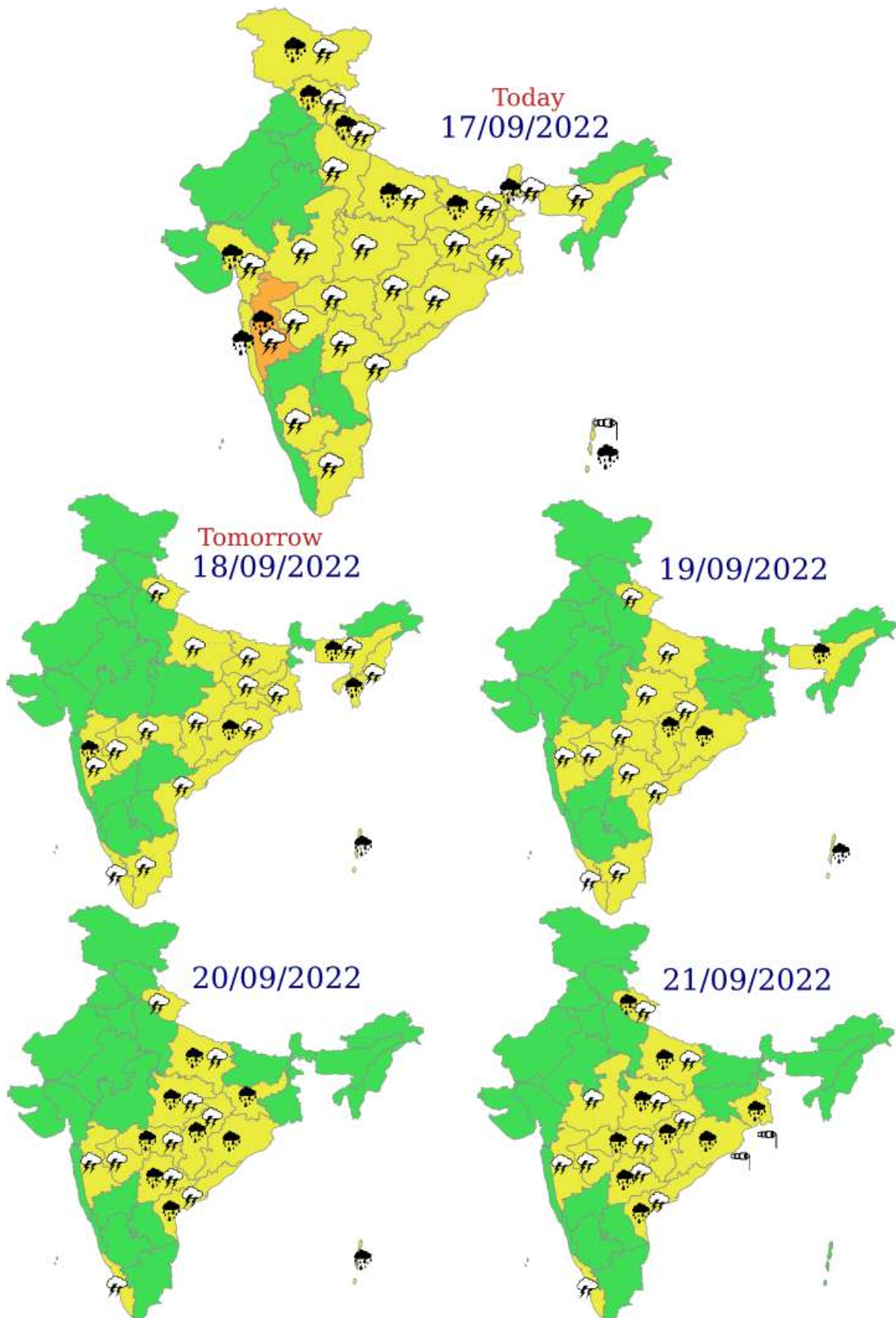
- Yesterday's **Well Marked Low Pressure Area** over central parts of Uttar Pradesh weaken into a Low pressure area over the same region at 0530 hours IST of today and has become less marked. However, the associated cyclonic circulation now lies over north Uttar Pradesh in lower tropospheric levels.
- A cyclonic circulation lies over eastcentral & adjoining southeast Bay of Bengal in middle tropospheric levels. Under its influence, a Low Pressure Area is likely to form over Westcentral & adjoining Northwest Bay of Bengal off Odisha-West Bengal coasts around 20th September, 2022.
- A fresh Western Disturbance seen as a trough in mid-tropospheric westerlies with its axis in middle tropospheric levels runs roughly along Long.70°E to the north of Lat. 30°N.
- **Under their influence:**
 - Fairly Widespread/Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Jammu & Kashmir, Himachal Pradesh on 17th; Uttarakhand on 17th & 21st and over & East Uttar Pradesh on 17th, 20th & 21st September, 2022.
 - Fairly Widespread/Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Bihar, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and south Gujarat Region on 17th; ghat areas of Madhya Maharashtra on 17th & 18th; Chhattisgarh during 19th-21st; East Madhya Pradesh & Vidarbha on 20th & 21st; Jharkhand on 20th; Andaman & Nicobar Islands during 17th -20th and over Odisha during 18th-21st September, 2022. **Isolated very heavy rainfall also likely over ghat areas of Madhya Maharashtra on 17th and over Odisha on 20th & 21st September, 2022.**
 - Fairly Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Assam & Meghalaya on 18th & 19th and over Nagaland, Manipur, Mizoram & Tripura on 18th September, 2022.
 - Subdued rainfall activity likely over South Peninsular & Northeast India during next 5 days.

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

Extremely heavy rainfall occurred at isolated places over East Uttar Pradesh; **heavy to very heavy rainfall** over Uttarakhand, Gujarat region, Sub-Himalayan West Bengal & Sikkim, West Madhya Pradesh, Konkan & Goa and Madhya Maharashtra and **heavy rainfall** at isolated places over West Uttar Pradesh, East Madhya Pradesh, Haryana, Assam and Bihar.

Rainfall (in cm):

- ❖ **East Uttar Pradesh:** Sardanagar (dist Kheri) 23, Chanderdeepghat (dist Gorakhpur) 22, Balrampur (dist Balrampur) 13, Katerniaghat (dist Bahraich) 13, Kaiserganj (dist Bahraich) 11, Palliakalan (dist Kheri) 10, Kheri Lakhimpur (dist Kheri) 10, Kakerdarighat (dist Shrawasti) 9, Bhinga (dist Shrawasti) 9, Mahsi (dist Bahraich) 9, Tulasipur (dist Balrampur) 8, Nanpara (dist Bahraich) 7;
- ❖ **Gujarat Region:** Valsad (dist Valsad) 19, Umergam (dist Valsad) 15, Pardi (dist Valsad) 15, Kaprada (dist Valsad) 12, Chikhli (dist Navsari) 11, Vapi (dist Valsad) 11, Gandevi (dist Navsari) 10, Valsad_ Kvk Aws (dist Valsad) 10, Silvassa (dist Dadara & Nagar Haveli) 9, Khergam (dist Navsari) 9, Dharampur (dist Valsad) 9, Madhbun (dist Dadara & Nagar Haveli) 8, Tilakwada (dist Narmada) 8, Daman Fmo (dist Daman) 8, Daman (dist Daman) 8, Vyara (dist Tapi) 7, Nanipalson (dist Valsad) 7, Songadh (dist Tapi) 7;
- ❖ **Konkan & Goa:** Ulhasnagar (dist Thane) 17, Bhiwandi (dist Thane) 17, Vasai (dist Palghar) 15, Ambernath (dist Thane) 13, Matheran (dist Raigad) 11, Murbad (dist Thane) 11, Shahapur (dist Thane) 11, Panvel_agri (dist Raigad) 11, Khalapur (dist Raigad) 10, Karjat_agri (dist Raigad) 10, Tala (dist Raigad) 10, Tbia Imd Part Time (dist Thane) 10, Pen (dist Raigad) 9, Talasari (dist Palghar) 9, Sudhagad Pali (dist Raigad) 8, Kalyan (dist Thane) 8, Wada (dist Palghar) 7, Uran (dist Raigad) 7;
- ❖ **Madhya Maharashtra:** Igatpuri (dist Nashik) 16, Lonavala_agri (dist Pune) 9, Akole (dist Ahmednagar) 8, Paud Mulshi (dist Pune) 8, Ambegaon Ghodegaon (dist Pune) 7, Trimbakshwar (dist Nashik) 7;
- ❖ **Uttarakhand:** Banbasa (dist Champawat) 14; Haldwani (dist Nainital) 10, Pantnagar (dist Udham Singh Nagar) 10, Mukteshwar (dist Nainital) 9, Khatima (dist Udham Singh Nagar) 8, Champawat (dist Champawat) 7, Devprayag (dist Garhwal Tehri) 7, Nainital (dist Nainital) 7;
- ❖ **West Madhya Pradesh:** Neapanagar (dist Burhanpur) 14, Bhikangaon (dist Khargone) 8, Khaknar (dist Burhanpur) 8, Ashta-aws (dist Sehore) 7;
- ❖ **Sub-Himalayan West Bengal:** Jalpaiguri 13;
- ❖ **Assam:** Hailakandi 9;
- ❖ **West Uttar Pradesh:** Baheri (dist Bareilly) 9, Puranpur (dist Pilibhit) 7;
- ❖ **East Madhya Pradesh:** Balaghat-aws (dist Balaghat) 8, Tirodi (dist Balaghat) 8, Waraseoni (dist Balaghat) 7;
- ❖ **Haryana:** Radaur (dist Yamuna Nagar) 7;
- ❖ **Bihar:** Purnea & Amaur (dist Purnea) 7.



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated **very heavy rainfall** over ghat areas of Madhya Maharashtra on 17th and over Odisha on 20th & 21st September, 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

