



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

**Press Release  
Date: 22<sup>nd</sup> July, 2022  
Time of Issue: 1300 hrs IST**

**Subject: (i) Isolated heavy rainfall spell likely to continue over Western Himalayan Region, Rajasthan, central India and Odisha during next 3-4 days  
(ii) Enhanced rainfall activity over Gujarat during 23<sup>rd</sup> to 25<sup>th</sup> July, 2022**

**Weather observed during past 24 hours ending at 0830 hrs IST of today:**

- **Heavy to very heavy rainfall** occurred at isolated places over West Uttar Pradesh, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Bihar, Jharkhand, Assam & Meghalaya, Sub-Himalayan West Bengal, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam. (**Annexure I**).

**Rainfall/thunderstorm Forecast & Warnings: (Multi-hazard warning is given in Annexure II)**

- The monsoon trough at mean sea level is near its normal position. It is very likely to shift gradually southwards during next 3 days.
- A Western Disturbance as a cyclonic circulation lies over Central Pakistan and extends upto middle tropospheric levels.
- A cyclonic circulation lies over north Odisha & neighbourhood in lower & middle tropospheric levels tilting southwestwards with height.
- **Under the influence of above systems;**
  - Fairly widespread to widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Jammu & Kashmir on 22<sup>nd</sup>, 23<sup>rd</sup> & 26<sup>th</sup>; Himachal Pradesh during 22<sup>nd</sup>-25<sup>th</sup>; Uttarakhand during 22<sup>nd</sup>-24<sup>th</sup>; Punjab on 23<sup>rd</sup> & 25<sup>th</sup>; Haryana-Chandigarh on 25<sup>th</sup> and Rajasthan during 22<sup>nd</sup>-26<sup>th</sup> July, 2022.
    - ✓ **Isolated very heavy rainfall very likely over East Rajasthan on 22<sup>nd</sup> & 23<sup>rd</sup> July, 2022.**
  - Fairly widespread/widespread light/moderate rainfall & **thunderstorm/lightning** very likely over Chhattisgarh, Vidarbha, Madhya Pradesh during next 5 days.
    - ✓ **Isolated heavy rainfall** very likely over Chhattisgarh on 23<sup>rd</sup> & 24<sup>th</sup>; Vidarbha during 22<sup>nd</sup> & 23<sup>rd</sup> and over Madhya Pradesh during 22<sup>nd</sup>-25<sup>th</sup> July, 2022.
    - ✓ **Isolated very heavy rainfall also very likely over Chhattisgarh on 22<sup>nd</sup> July, 2022.**
  - Fairly widespread/ widespread rainfall very likely over Odisha, Bihar, Jharkhand, West Bengal & Sikkim and Andaman & Nicobar Islands during next 5 days.
    - ✓ **Isolated heavy rainfall** very likely over Odisha during 22<sup>nd</sup> to 26<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 22<sup>nd</sup>, 23<sup>rd</sup> & 26<sup>th</sup>; Andaman & Nicobar Islands on 22<sup>nd</sup> & 23<sup>rd</sup> and Jharkhand on 22<sup>nd</sup> July, 2022.
    - ✓ **Isolated very heavy rainfall also likely over Odisha during 22<sup>nd</sup>-24<sup>th</sup> July, 2022.**

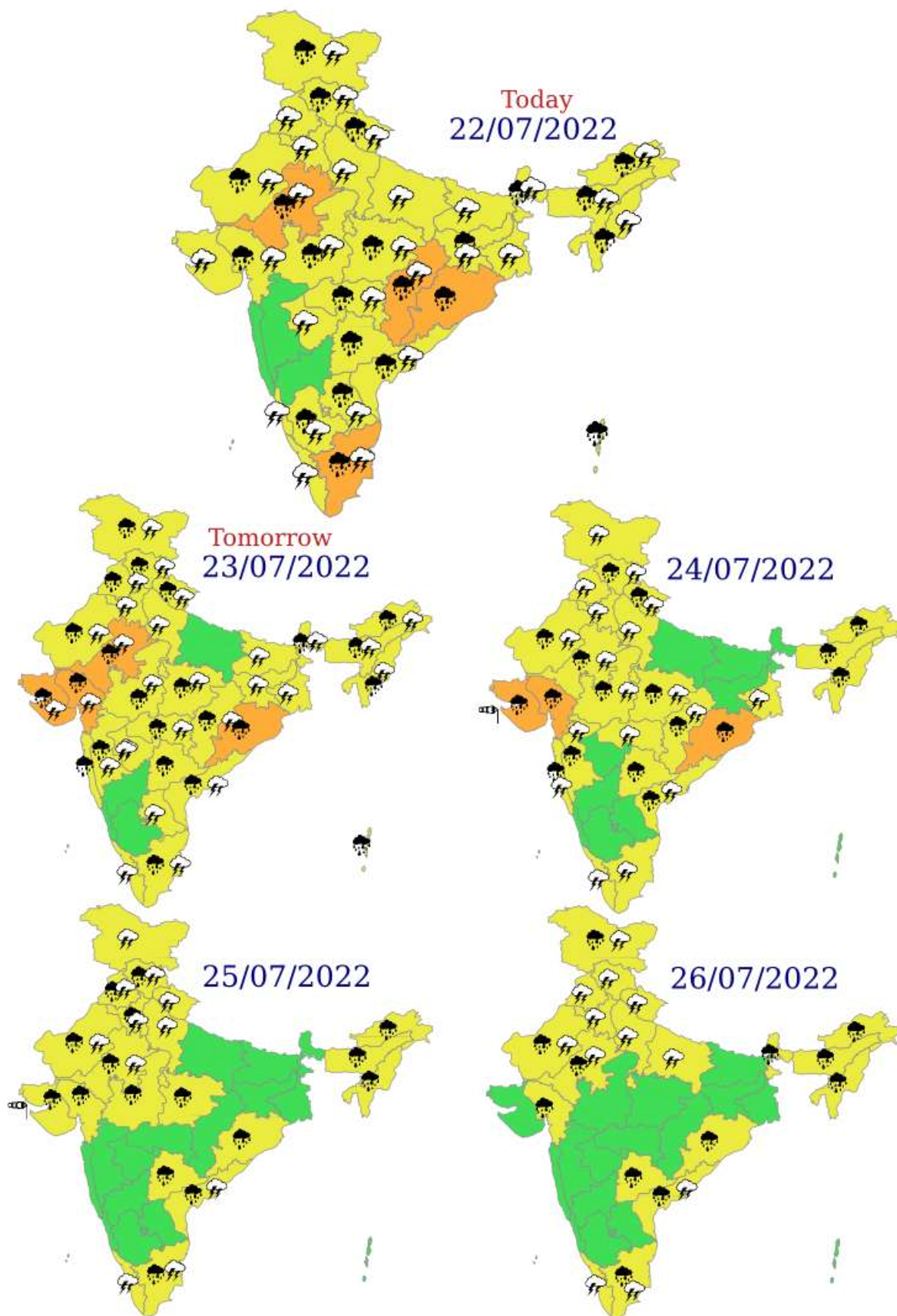
- Fairly widespread light/moderate rainfall with **heavy falls** very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.
  - ✓ **Isolated heavy falls very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 22<sup>nd</sup>-24<sup>th</sup> July, 2022.**
- Fairly widespread/ widespread rainfall with **isolated heavy falls**, thunderstorm & lightning very likely over Tamilnadu, Puducherry & Karaikal and Gujarat during 22<sup>nd</sup> to 26<sup>th</sup>; Konkan & Goa and ghat areas of Madhya Maharashtra on 23<sup>rd</sup> & 24<sup>th</sup> July, 2022.
  - ✓ **Isolated very heavy falls very likely over Tamilnadu, Puducherry & Karaikal on 22<sup>nd</sup>; Gujarat State on 23<sup>rd</sup> & 24<sup>th</sup> July, 2022.**
  - ✓ **Isolated extremely heavy falls also likely over Saurashtra & Kutch on 24<sup>th</sup> July, 2022.**

For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

## Rainfall (in cm):

- ❖ **Tamil Nadu:** Budalur (dist Thanjavur) 17, Danishpet (dist Salem) 17, Echanviduthi (dist Thanjavur) 16, Edapadi (dist Salem) 15, Rasipuram (dist Namakkal) 13, Jambukuttapatti (dist Krishnagiri) 13, Omalur (dist Salem) 12, Pullambadi (dist Thiruchirappalli) 11, Anaippalayam (dist Karur) 11, Thiruvallangadu (dist Tiruvallur) 11, Penukondapuram (dist Krishnagiri) 11, KCS MILL ARIYALUR (dist Kallakurichi) 11, Puducherry (dist Puducherry) 10, Santhiyur KVK (dist Salem) 10, Puduchatram (dist Namakkal) 9, Sankaridurg (dist Salem) 9, Puzhal ARG (dist Tiruvallur) 9, Namakkal Collectorate (dist Namakkal) 9, Paramathi velur (dist Namakkal) 9, Harur (dist Dharmapuri) 8, Taluk Office Uthangarai (dist Krishnagiri) 8, Devala (dist The Nilgiris) 8, Yercaud (dist Salem) 8, Muthupettai (dist Thiruvarur) 8, Kalavai AWS (dist Ranipet) 8, Pattukkottai (dist Thanjavur) 8, Sendamangalam (dist Namakkal) 7, Ammoor (Walajah Railway Station) (dist Ranipet) 7, Thammampatti (dist Salem-) 7, Vallam (dist Thanjavur) 7, Cholavaram (dist Tiruvallur) 7, Gandarvakottai (dist Pudukkottai) 7, Tiruchirappalli Airport (dist Thiruchirappalli) 7, Mohanur (dist Namakkal) 7, Adirampatnam (dist Thanjavur) 7, Tiruchengode (dist Namakkal) 7, BARUR (dist Krishnagiri) 7, Arakkonam (dist Ranipet) 7, Anaimaduvu Dam (dist Salem) 7, Kallikudi (dist Madurai) 7, Sankarapuram (dist Kallakurichi) 7;
- ❖ **West Uttar Pradesh:** Etawah (CWC) (dist Etawah) 17 , Auraiya (CWC) (dist Auraiya) 9;
- ❖ **Chhattisgarh:** Champa (dist Janjgir) 15, Bilaspur (dist Bilaspur) 10, Janjgir (dist Janjgir) 8;
- ❖ **East Uttar Pradesh:** Dhaurahara (dist Kheri) 10, Mohammedabad (dist Ghazipur) 8, Chanderdeepghat (dist Gorakhpur) 7, Palliakalan (dist Kheri) 7, Akbarpur (dist Ambedkar Nagar) 7;
- ❖ **Coastal Andhra Pradesh & Yanam:** Addanki (dist Prakasam) 10, Guntur (dist Guntur) 8, Santhamaguluru (dist Prakasam) 7, Avanigada (dist Krishna) 7, Ongole (dist Prakasam) 7;
- ❖ **Jharkhand:** Tilaiya (dist Koderma) 9;
- ❖ **East Rajasthan:** Dausa (dist Dausa) 9;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Jharnapani (district: Dimapur) 9;
- ❖ **Assam & Meghalaya:** Goibargaon (dist Baksa) 9, Melabazar/Matunga (district: Nalbari) 9, DRF (dist Baksa) 7, Umrangso (District: N. C. HILLS) 7;
- ❖ **Bihar:** Forbesganj (dist Araria) 8, Koilwar (dist Bhojpur) 7;
- ❖ **East Madhya Pradesh:** Amanganj (dist Panna) 7, Amarkantak (dist Anuppur) 7,
- ❖ **West Madhya Pradesh:** Vidisha (dist Vidisha) 7, Pachmarhi (dist Narmadapuram) 7,
- ❖ **Sub-Himalayan West Bengal:** Kalimpong and Sevoke (dist Darjeeling) 7 each;



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**i) Isolated very heavy rainfall over East Rajasthan on 22<sup>nd</sup> & 23<sup>rd</sup>; Chhattisgarh on 22<sup>nd</sup>; Odisha during 22<sup>nd</sup>-24<sup>th</sup>; Gujarat state on 23<sup>rd</sup> & 24<sup>th</sup> and Tamil Nadu, Puducherry & Karaikal on 22<sup>nd</sup> July, 2022.**

**ii) Isolated extremely heavy rainfall over Saurashtra & Kutch on 24<sup>th</sup> July, 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

