



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

**Press Release**

**Date: 07<sup>th</sup> July, 2023**

**Time of Issue: 1330 hours IST**

**Subject:** i) Enhanced rainfall activity very likely over Gujarat state during 07<sup>th</sup>-09<sup>th</sup> July and along the foothills of Himalayas & adjoining plains during 09<sup>th</sup>-12<sup>th</sup> July.  
ii) Scattered to fairly widespread rainfall likely to continue over Central India till 09<sup>th</sup> July and decrease thereafter.  
iii) Reduction in rainfall activity along the west coast of India from today.

**Weather observed during past 24 hours ending at 0830 hours IST of today (Annexure I):**

**Significant Weather features, Forecast and Warning during next 5 days: (Annexure II)**

- ❖ The Monsoon trough at mean sea level lies south of its normal position.
- ❖ The east-west shear zone runs roughly along Lat. 19°N in middle tropospheric levels.
- ❖ The off-shore trough at mean sea level runs from south Gujarat coast to north Kerala coast.
- ❖ A cyclonic circulation lies over Jharkhand in lower tropospheric & middle tropospheric levels.
- ❖ A cyclonic circulation lies over Northeast Arabian Sea adjoining Gujarat in lower tropospheric levels.
- ❖ A Western Disturbance in mid-tropospheric westerlies runs roughly along Long. 70°E to the north of Lat. 28°N.

**Weather Forecast and Warning:**

**South India:** Light/moderate widespread rainfall with **isolated heavy to very heavy rainfall** very likely to continue over the region during next 24 hours and significant reduction thereafter.

**West India:** Light/moderate widespread rainfall with **isolated heavy to very heavy rainfall** very likely to continue over Konkan & Goa, ghat areas of Madhya Maharashtra during next 24 hours; over Gujarat state during next 4 days and reduction thereafter. Isolated **extremely heavy falls** also likely over Saurashtra & Kutch on 08<sup>th</sup> July.

**Northwest India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over the region during next 4-5 days. Isolated **very heavy rainfall** is also very likely over Uttarakhand during 07<sup>th</sup>-09<sup>th</sup>; Jammu & Kashmir and Himachal Pradesh on 08<sup>th</sup> & 09<sup>th</sup>; Punjab, Haryana on 08<sup>th</sup> and Uttar Pradesh on 10<sup>th</sup> & 11<sup>th</sup> July.

**Central India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over the region during next 2 days and reduction thereafter.

**East & adjoining Northeast India:** Fairly widespread to widespread light/moderate rainfall with isolated **Heavy to very heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur during next 5 days. Isolated **heavy rainfall** likely over Odisha during next 5 days; Bihar during 09<sup>th</sup>-11<sup>th</sup>; Jharkhand on 07<sup>th</sup> & 11<sup>th</sup> July.

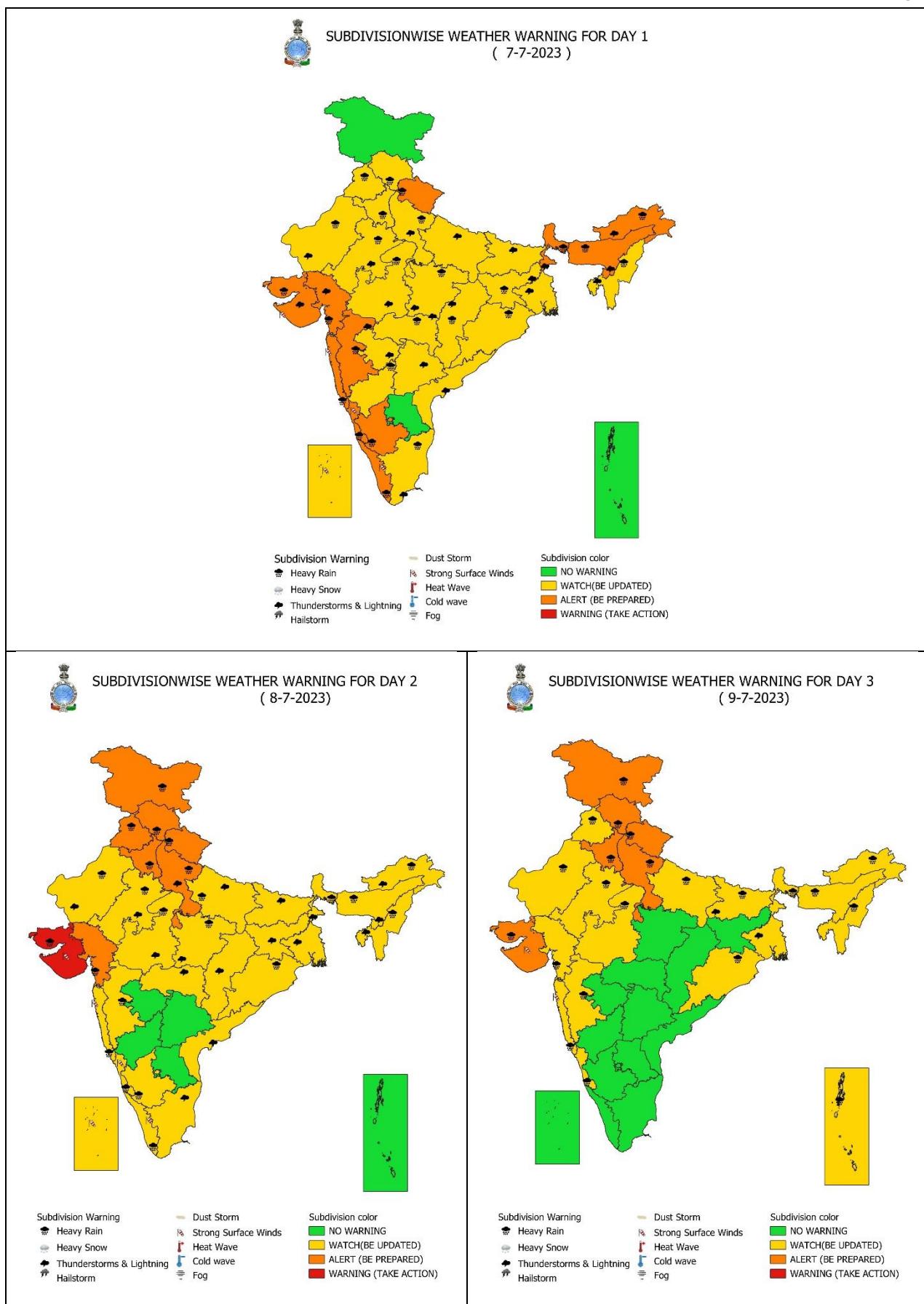
**No significant weather likely over rest parts of the country.**

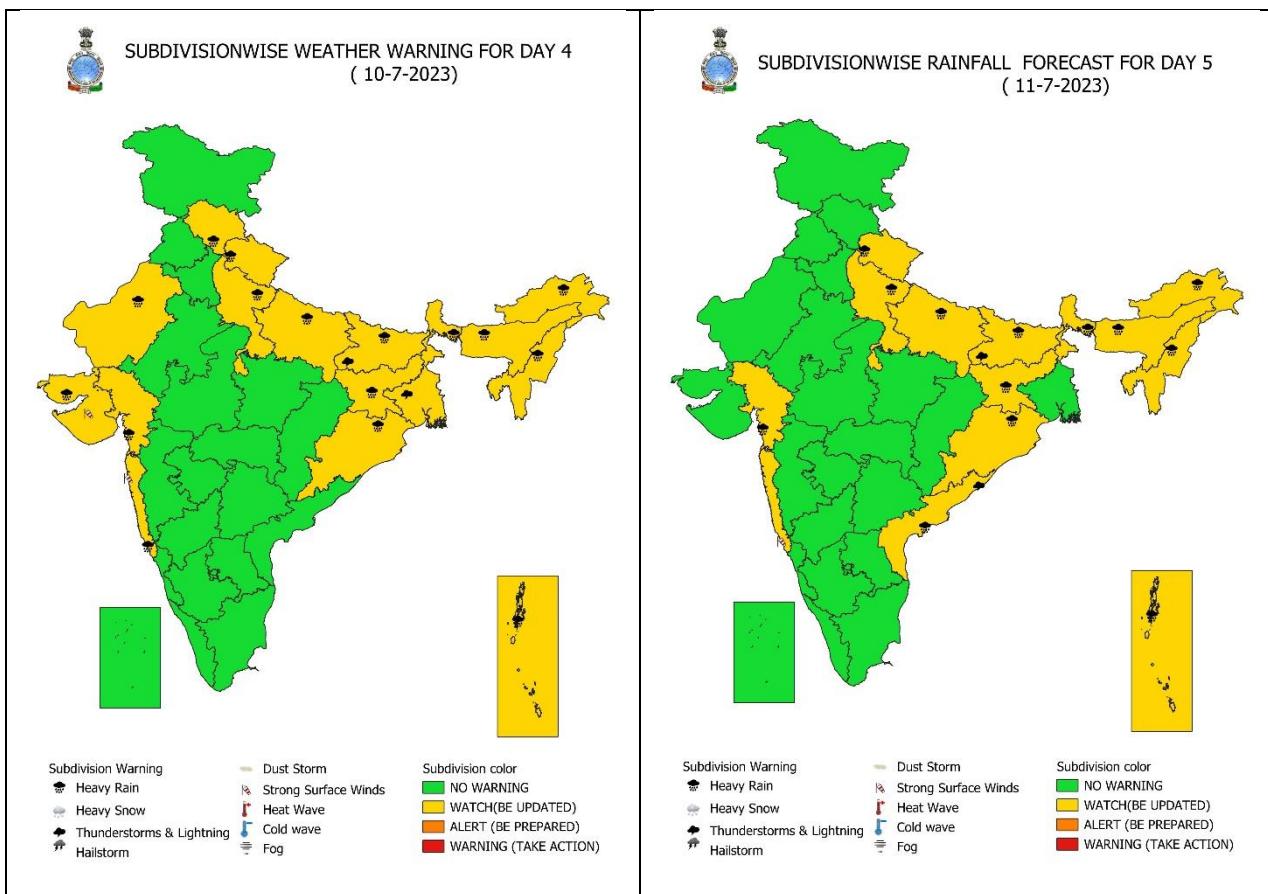
For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)

**Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- **Heavy Rainfall observed:** **Heavy to Very heavy rainfall** at isolated places over Kerala & Mahe, Coastal Karnataka, Tamil Nadu, Konkan & Goa, Marathwada, South Interior Karnataka, West Uttar Pradesh, Assam & Meghalaya, Sub-Himalaya West Bengal & Sikkim and **Heavy rainfall** at isolated places over Arunachal Pradesh, Himachal Pradesh, Uttarakhand, Haryana, Rajasthan, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Gujarat State, Madhya Maharashtra, Odisha and Telangana.
- **Significant rainfall recorded (in cm):** **South Interior Karnataka:** Bhagamandala (dist Kodagu) 23, Virajpet (dist Kodagu) 12, Murnadu (dist Kodagu) 8, Napoklu (dist Kodagu) 8, Kammardi (dist Chikkamagaluru) 8, Kottigehara (dist Chikkamagaluru) 7, **Coastal Karnataka:** Udupi (dist Udupi) 18, Manki (dist Uttara Kannada) 18, Uppinangadi (dist Dakshina Kannada) 17, Kadra (dist Uttara Kannada) 15, Sulya (dist Dakshina Kannada) 14, Puttur Hms (dist Dakshina Kannada) 14, Mani (dist Dakshina Kannada) 14, Panambur Obsy (dist Dakshina Kannada) 13, Mangaluru Ap Obsy (dist Dakshina Kannada) 13, Mulki (dist Dakshina Kannada) 11, **Tamil Nadu:** Avalanche (dist Nilgiris) 14, Chinnakalar (dist Coimbatore), Valparai PTO (dist Coimbatore) 11, Harrison Malayalam Ltd, Worth Estate (dist Nilgiris) 10, Taluk Office Pandalur (dist Nilgiris) 8, Sholayar (dist Coimbatore), Cincona (dist Coimbatore), Upper Bhavani (dist Nilgiris) 7 each, **Kerala:** Agathi (Lakshadweep UT) & Taliparamba (Kannur district) 10 each, Padinjarathara Dam AWS (Wayanad district) 9; **Telangana:** Dilawarpur (dist Nirmal) 7, Jainoor (dist Kumaram Bheem) 7, Jaipur (dist Mancherial) 7; **Konkan & Goa:** Mandangad (dist Ratnagiri) 14, Pen (dist Raigad) 13, Matheran (dist Raigad) 13, Canacona (dist South Goa) 13, Dapoli\_agri (dist Ratnagiri) 13, Harnai Imd Obsy (dist Ratnagiri) 12, Kudal (dist Sindhudurg) 11, Rajapur (dist Ratnagiri) 11, Sawantwadi (dist Sindhudurg) 10, Kankavli (dist Sindhudurg) 10, Rameshwar\_agri (dist Sindhudurg) 10, Ratnagiri - Imd Obsy (dist Ratnagiri) 10, **Marathwada:** Umari (dist Nanded) 13, Hadgaon (dist Nanded) 8, **Sub-Himalaya West Bengal & Sikkim:** Jalpaiguri, Darzeeling-14 each; **Arunachal Pradesh:** Roing (dist Lower Dibang Valley) 11, Pasighat\_Aero (dist East Siang) 10, Itanagar (dist Papumpara) 7, **Assam & Meghalaya:** Chauldhawaghat (dist Lakhimpur) 14, Cherrapunji(rkm) (dist East Khasi Hills) 14, Cherrapunji (dist East Khasi Hills) 11, Nazira\_arg (dist Sibsagar) 11, Mawkyrwat (dist South West Khasi Hills) 11, Mawkyrwat\_arg (dist South West Khasi Hills) 10, **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 11, Gidhade - Fmo (dist Dhule) 11, Gaganbawada (dist Kolhapur) 8, Dharangaon (dist Jalgaon) 8, Lonavala\_agri (dist Pune) 7; **West Uttar Pradesh:** Mirganj (dist Bareilly) 12, Etah (dist Etah) 11, Budaun (dist Badaun) 11, Milak (dist Rampur) 9, Mawana (dist Meerut) 9, Nawabganj (dist Bareilly) 8, Baheri (dist Bareilly) 8, Chandausi(dist Sambhal) 7, **East Uttar Pradesh:** Hardoi Teh (dist Hardoi) 9, Fatehgarh Cwc (dist Farrukhabad) 8, **Rajasthan:** Rajsamand (dist Rajsamand) 11, Pachpadra (dist Barmer) 9, Desuri (dist Pali) 7, Sheoganj (dist Sirohi) 7; **Madhya Pradesh:** Deori (dist Sagar) 11, Balaghat-aws (dist Balaghat) 10, Shahpura (dist Jabalpur) 10, Malanjkhand (dist Balaghat) 9, Gotegaon (dist Narsinghpur) 9, Jaora (dist Ratlam) 9, Pachore (dist Rajgarh) 9, Roan (dist Bhind) 9, Mihona (dist Bhind) 8, Rajgarh (dist Rajgarh) 8, Narmadapuram (dist Narmadapuram) 8, **Chhattisgarh:** Bastanar (dist Bastar) 10, Pathalgaon (dist Jashpur) 9, Magarlod (dist Dhamtari) 9, Dhamtari (dist Dhamtari) 8, Gidam (dist Dantewada) 8, **Uttarakhand:** Kashipur-10, Nainital-7; **Himachal Pradesh:** Hamirpur, Solan-8 each; **Haryana:** Bhiwani-7; **Odisha:** Mathili (dist Malkangiri) 9, Tangarpali (dist Sundargarh) 9, Burla (dist Sambalpur) 8, Lephripara (dist Sundargarh) 8.





#### **Agromet advisories for rainfall, thunderstorms likely over various parts of the country:**

- ❖ Drain out excess water from crop fields to avoid water stagnation in Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Sub Himalayan West Bengal & Sikkim, Odisha, Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Madhya Maharashtra, Vidarbha, Tamil Nadu, Kerala, Karnataka and North Eastern States.
- ❖ Postpone transplanting of rice in Coastal Karnataka and South Konkan & Goa. Postpone sowing of direct-seeded rice in Coastal Karnataka.
- ❖ Provide staking to vegetables.

**Impact & Action Suggested due to very heavy/extremely heavy rainfall** over Coastal & South Interior Karnataka, Kerala & Mahe, Konkan & Goa and ghat areas of Madhya Maharashtra on 07<sup>th</sup>; Gujarat state during 07<sup>th</sup>-09<sup>th</sup> July; Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana on 08<sup>th</sup> & 09<sup>th</sup>; Punjab on 08<sup>th</sup> July.

#### **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:** >204.4mm.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **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.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
  - **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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

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