



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

**Press Release
Date: 08th July, 2023**

Time of Issue: 1330 hours IST

**Subject: i) Very heavy rainfall activity over the western Himalayan region and adjoining plains of northwest and west India on 08th & 09th July and decrease thereafter.
ii) Enhancement in rainfall activity very likely over northern parts of east and northeast India from 09th July.**

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 and extends into lower tropospheric levels.
- ❖ A cyclonic circulation lies over Southwest Rajasthan in middle tropospheric levels.
- ❖ A Western Disturbance in mid-tropospheric westerlies runs roughly along Long. 72°E to the north of Lat. 24°N.
- ❖ The off-shore trough at mean sea level runs from south Gujarat coast to north Kerala coast.

Weather Forecast and Warning:

Northwest India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** is very likely Western Himalayan Region, Punjab, Haryana-Chandigarh-Delhi, Rajasthan during 08th-10th and Uttar Pradesh during next 5 days. **Isolated extremely heavy rainfall also very likely Himachal Pradesh on 08th & 09th and Uttarakhand on 09th July.**

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, Gujarat state during next 3 days and reduction thereafter. **Isolated extremely heavy falls also likely over Saurashtra & Kutch toady, on 08th July.**

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 09th-12th; Jharkhand on 11th & 12th; Andaman & Nicobar Islands during 08th-10th July.

Central India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over the region during next 5 days.

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

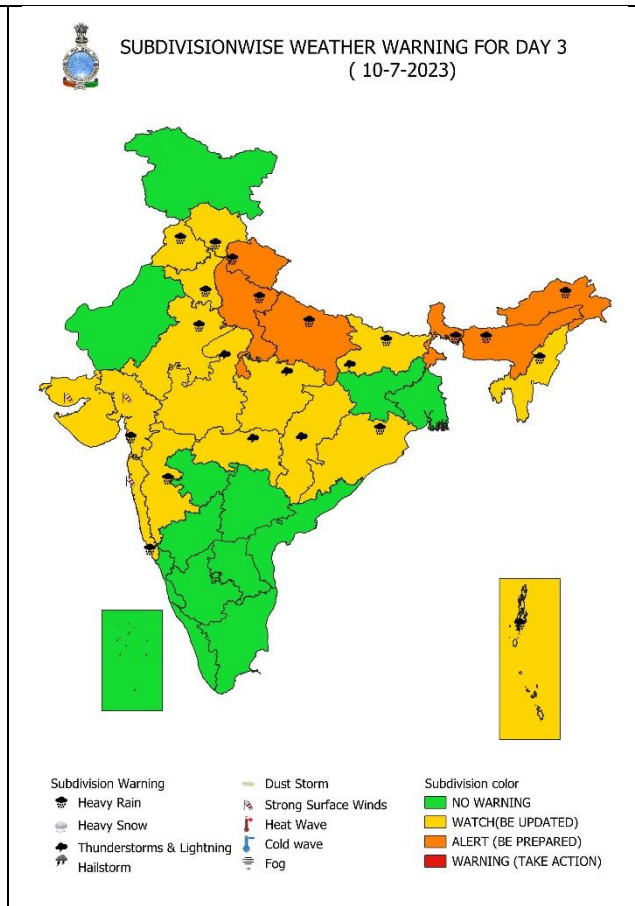
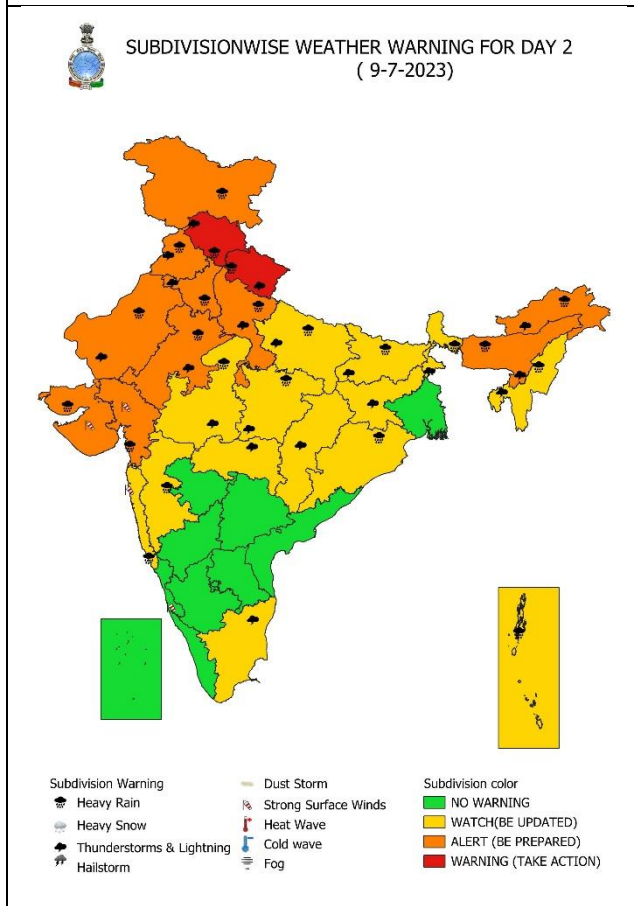
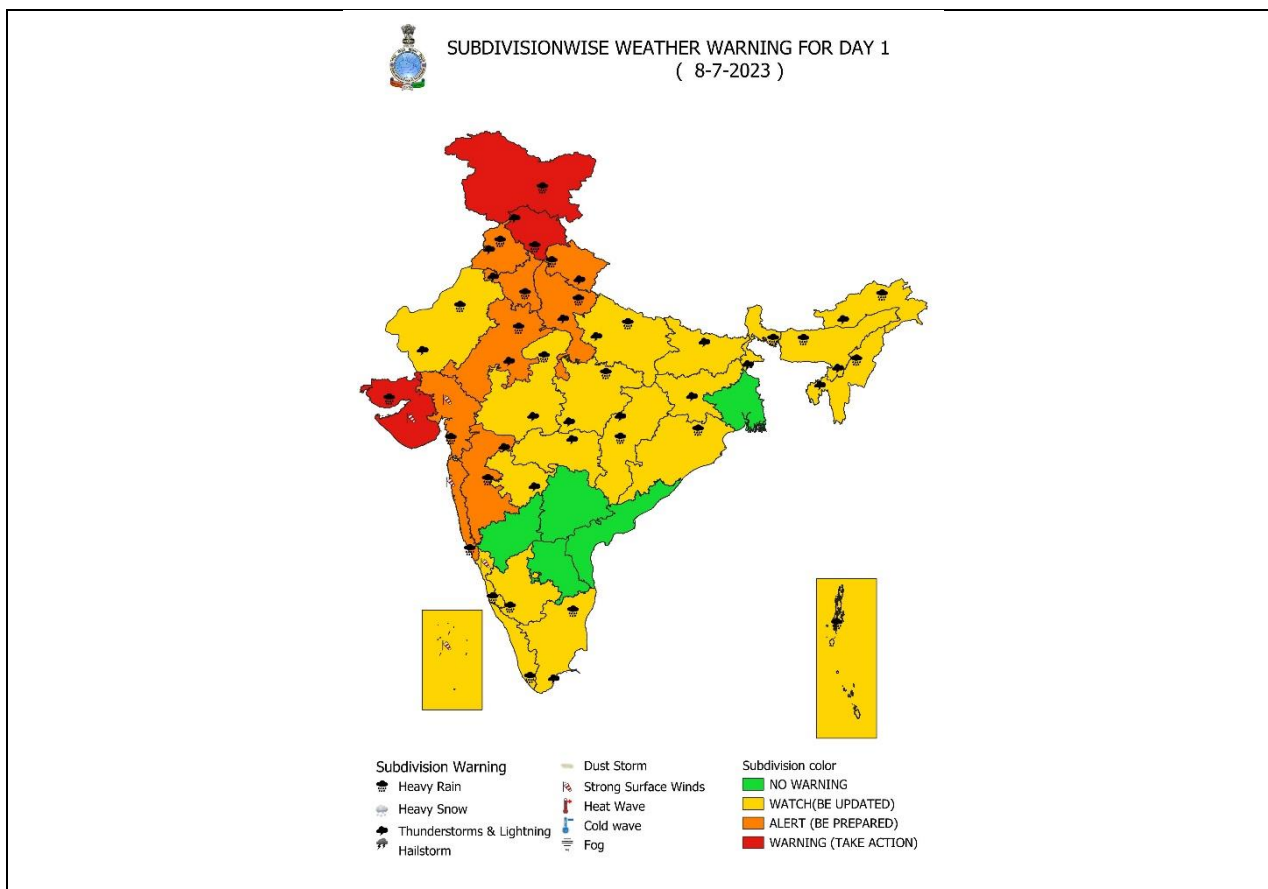
No significant weather likely over rest parts of the country.

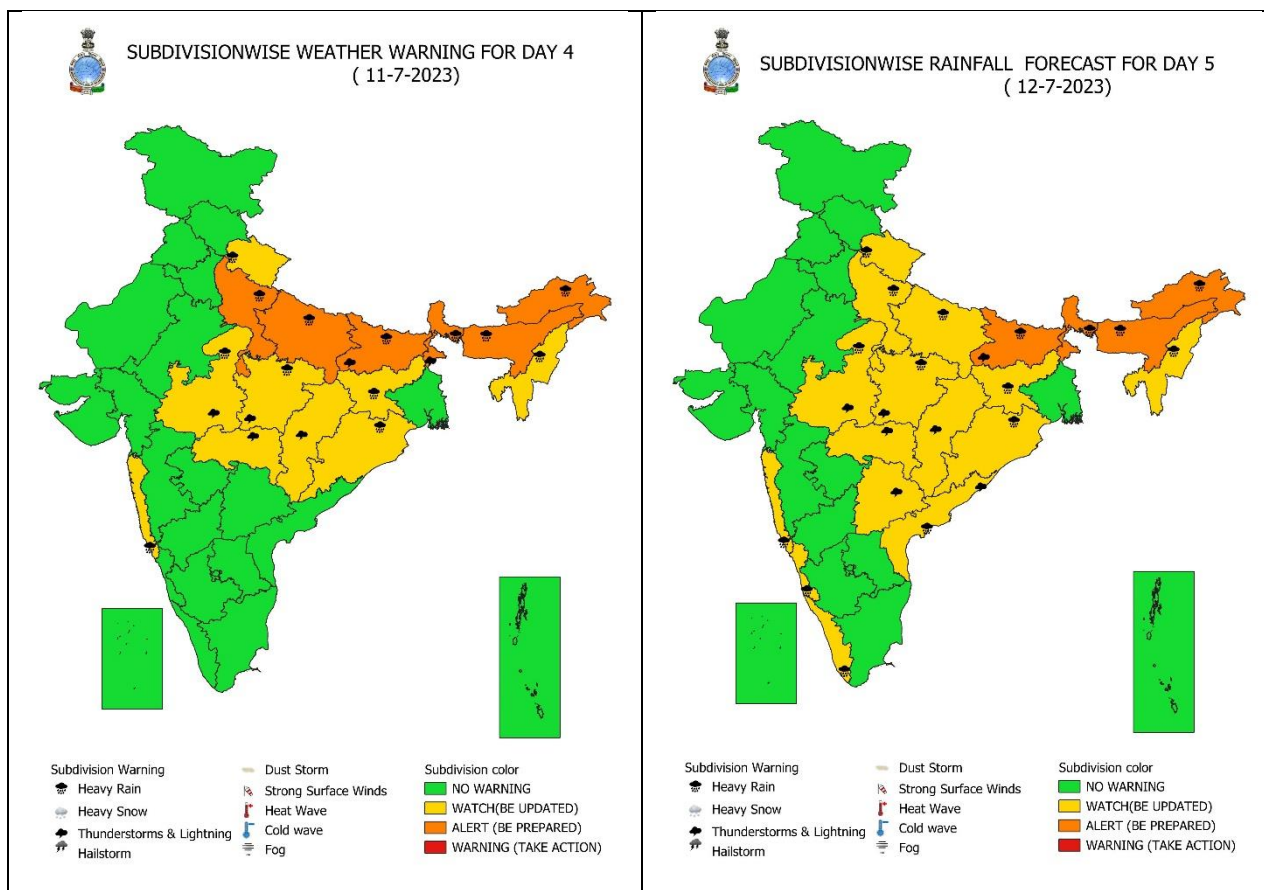
For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

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, Lakshadweep, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Gujarat State, Madhya Pradesh, East Rajasthan, Arunachal Pradesh, Assam & Meghalaya, Sub-Himalaya West Bengal and **Heavy rainfall** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, West Rajasthan, West Uttar Pradesh, Chhattisgarh, Odisha, Tamil Nadu and South Interior Karnataka.
- **Significant rainfall recorded (in cm): Kerala & Lakshadweep:** Amini (Lakshadweep UT) 15, Padinjarathara Dam AWS (Wayanad district) 12, Kudulu (Kasaragod district) & Peringome AWS (Kannur district) 9 each, Ernakulam South, Chavara AWS (Kollam district) & Aralam AWS (Kannur district) 8 each, Kozhikode, AMS KANNUR (Kannur district), Vadakkancherry (Thrissur district), Vythiri (Wayanad district) & Bayar AWS (Kasargod district) 7 each; **Konkan & Goa:** Dapoli_agri (dist Ratnagiri) 19, Matheran (dist Raigad) 16, Mandangad (dist Ratnagiri) 16, Harnai Imd Obsy (dist Ratnagiri) 14, Rajapur (dist Ratnagiri) 14, Shriwardhan (dist Raigad) 13, Wakwali_agri (dist Ratnagiri) 13, Pen (dist Raigad) 13, Sudhagad Pali (dist Raigad) 12, Poladpur (dist Raigad) 11, Ambernath (dist Thane) 11, Dodamarg (dist Sindhudurg) 11, Khed (dist Ratnagiri) 10, Mahad (dist Raigad) 10, Mangaon (dist Raigad) 10, Mhasla (dist Raigad) 10, **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 14, Lonavala_agri (dist Pune) 11, Igatpuri (dist Nashik) 10; **Saurashtra & Kutch:** Porbandar (dist Porbandar) 18, Jamnagar (dist Jamnagar) 11, Jamnagar_kvks Aws (dist Jamnagar) 10, Ranavav (dist Porbandar) 9, Naliya (dist Kutch) 8, **Gujarat Region:** Dhandhuka (dist Ahmedabad) 12, Palsana (dist Surat) 9, Pardi (dist Valsad) 9, Valsad_Kvk Aws (dist Valsad) 8, Khergam (dist Navsari) 8, Dholera (dist Ahmedabad) 8, Dharampur (dist Valsad) 8, Dantewada_aws (dist Banaskantha) 7, Bardoli (dist Surat) 7, **Sub-Himalaya West Bengal:** Buxaduar-15, Alipurduar-11, Rongo, Lava-9 each, Samsing-8, **Assam & Meghalaya:** Mawsynram (dist East Khasi Hills) 14, Ranganadi Nt Xing (dist Lakhimpur) 10, N.lakhimpur/lilabari (dist Lakhimpur) 8, Cherrapunji (dist East Khasi Hills) 8, Cherrapunji(rkm) (dist East Khasi Hills) 7, Lakhimpur Arg (dist Lakhimpur) 7, Mawkyrwat (dist South West Khasi Hills) 7, **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 13, Naharlagun (dist Papumpara) 11, Tuting (dist Upper Siang) 7, Itanagar (dist Papumpara) 7, **East Rajasthan:** Gangapur (dist Sawai Madhopur) 17, Sapotra (dist Karauli) 16, Pratapgarh (dist Pratapgarh) 14, Sheoganj (dist Sirohi) 14, Aspur (dist Dungarpur) 14, Nasirabad (dist Ajmer) 10, Bamanwas Sr (dist Sawai Madhopur) 10, Bonli (dist Sawai Madhopur) 10, Sabla Sr (dist Dungarpur) 10, **Coastal Karnataka:** Kumta (dist Uttara Kannada) 13, Gersoppa (dist Uttara Kannada) 12, Castle Rock (dist Uttara Kannada) 11, **South Interior Karnataka:** Bhagamandala (dist Kodagu) 7, **Tamil Nadu:** Devala-10, Avalanche (dist Nilgiris) 9, 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, **West Rajasthan:** Sumerpur Sr (dist Pali) 10, Jaisalmer (dist Jaisalmer) 8, Nagaur Tehsil Sr (dist Nagaur) 7; **Madhya Pradesh:** Venkatnagar (dist Anuppur) 12, Suvasara (dist Mandsaur) 12, Kayampur (dist Mandsaur) 11, Jaora (dist Ratlam) 9, Amarkantak (dist Anuppur) 10, Panagar (dist Jabalpur) 9, Jaisingh Nagar (dist Shahdol) 9, Karanjia (dist Dindori) 9, Dhanora (dist Seoni) 7, Banda (dist Sagar) 7, Pipariya (dist Narmadapuram) 7, Malhargarh (dist Mandsaur) 7, **Jammu & Kashmir:** Bakore, Banihal-10 each, Qazigund-9, Rajpura-8, Kukernag, Pahalgam-7 each, **Uttarakhand:** Haldwani-11, Hardwar-10, Khatima-9, Narendranagar-7; **Himachal Pradesh:** Renuka / Dadhau (dist Sirmaur) 9, Sangraha (dist Sirmaur) 8, **Chhattisgarh:** Kota (dist Bilaspur) 8; **Punjab:** Patti (dist Tarn Taran) 7, **Odisha:** Banki-7; **West Uttar Pradesh:** Bijnor-7





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

- ❖ Drain out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Odisha, Madya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Madhya Maharashtra, Tamil Nadu, Kerala, Coastal and South Interior Karnataka and North Eastern States.
- ❖ Postpone transplanting of rice in Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- ❖ Postpone sowing of maize, kharif pulses and vegetables in Jammu & Kashmir; maize, soybean and vegetables in Uttarakhand.
- ❖ Provide staking to vegetables.

Impact & Action Suggested due to very heavy/extremely heavy rainfall over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, West Uttar Pradesh, East Rajasthan and Gujarat state on 08th & 09th 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 Widespread (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