



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

Press Release

Date: 04th July, 2023

Time of Issue: 1330 hours IST

Subject: Intense spell of rainfall likely to continue over south Peninsular India & north Maharashtra till 06th and over Gujarat during 06th-08th July, 2023.

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)

- ❖ Western end of the Monsoon trough at mean sea level lies near its normal position while its eastern end lies to the south of its normal position.
- ❖ A cyclonic circulation lies over central parts of Uttar Pradesh in lower tropospheric levels.
- ❖ The off-shore trough at mean sea level runs from south Gujarat coast to Kerala coast.
- ❖ A cyclonic circulation lies over south Gujarat & neighbourhood in middle tropospheric levels.
- ❖ A cyclonic circulation lies over Westcentral Bay of Bengal & adjoining north Andhra Pradesh coast in lower & middle tropospheric levels.
- ❖ An east-west shear zone runs roughly along 15°N in middle tropospheric levels.

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 3 days & decrease thereafter. Isolated **extremely heavy rainfall** also likely over north Kerala and Coastal & ghat areas of South Interior Karnataka on 04th July.

West India: Light/moderate widespread rainfall with **Isolated Heavy to very Heavy rainfall** is very likely over Konkan & Goa and ghat areas of Madhya Maharashtra during next 5 days and over Gujarat state on 06th & 07th July. Isolated **extremely heavy falls** also likely over Konkan & Goa and ghat areas of Madhya Maharashtra on 5th and 6th July and over Gujarat on 7th July.

East & adjoining Northeast India: Fairly widespread to widespread light/moderate rainfall with isolated **Heavy to Very Heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim, Odisha during next 5 days; over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur during next 3 days and decrease thereafter. Isolated **heavy rainfall** also likely over Bihar on 04th; Jharkhand on 07th & 08th July. Isolated Thundersquall (wind speed 50-60 kmph) is likely over Andaman & Nicobar Islands today.

Northwest India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over Uttarakhand, Himachal Pradesh during next 5 days and over East Uttar Pradesh during 04th-06th; Punjab, Haryana during 06th-08th; East Rajasthan during 05th-08th and West Rajasthan on 07th & 08th July.

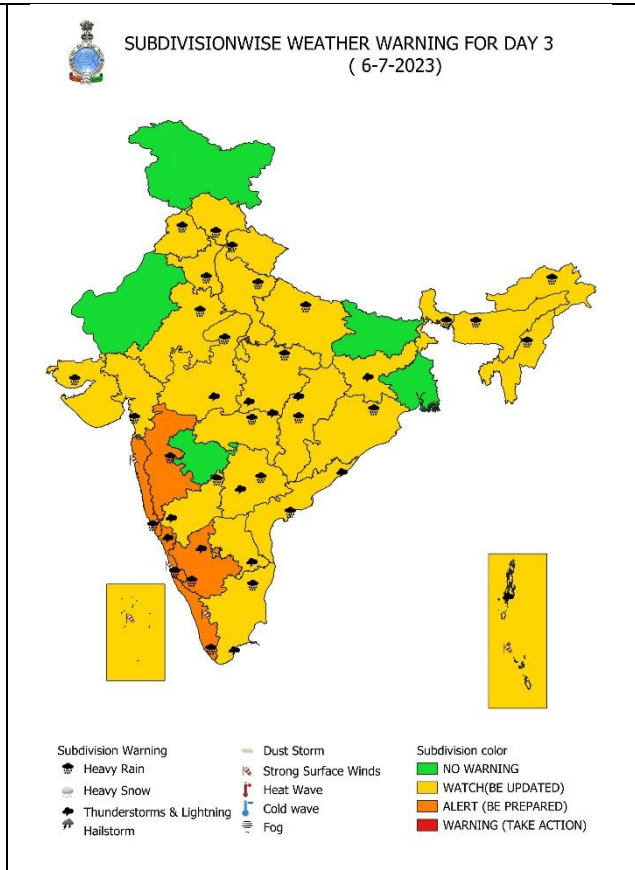
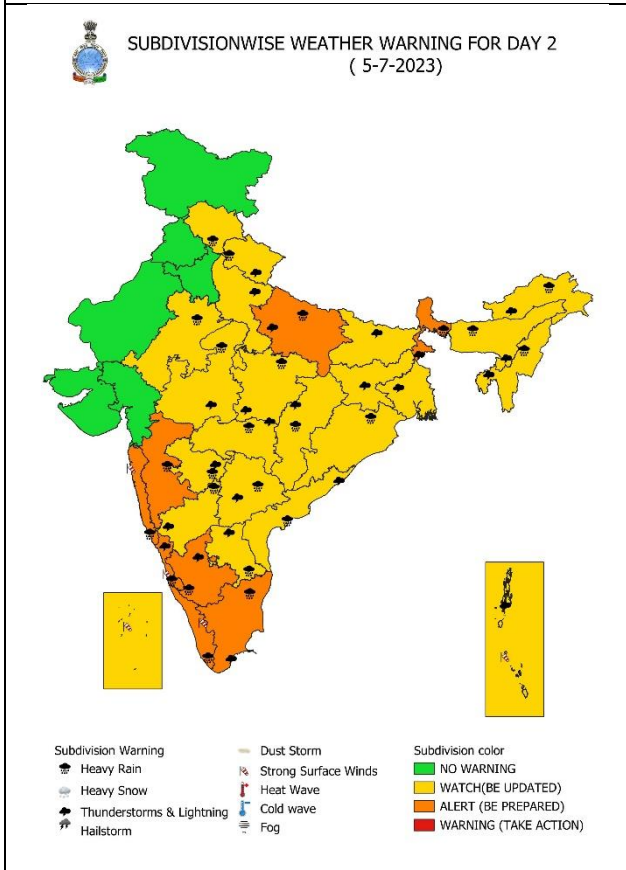
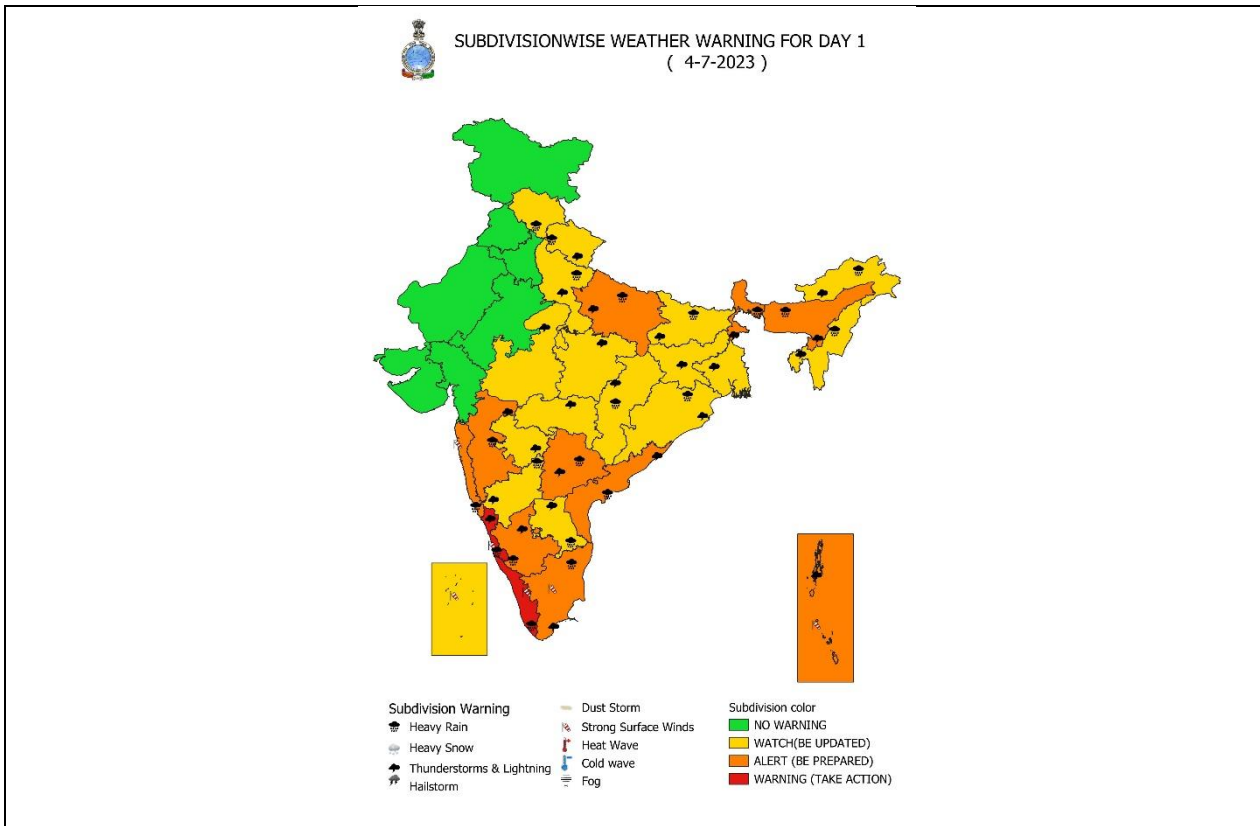
No significant weather likely over rest parts of the country.

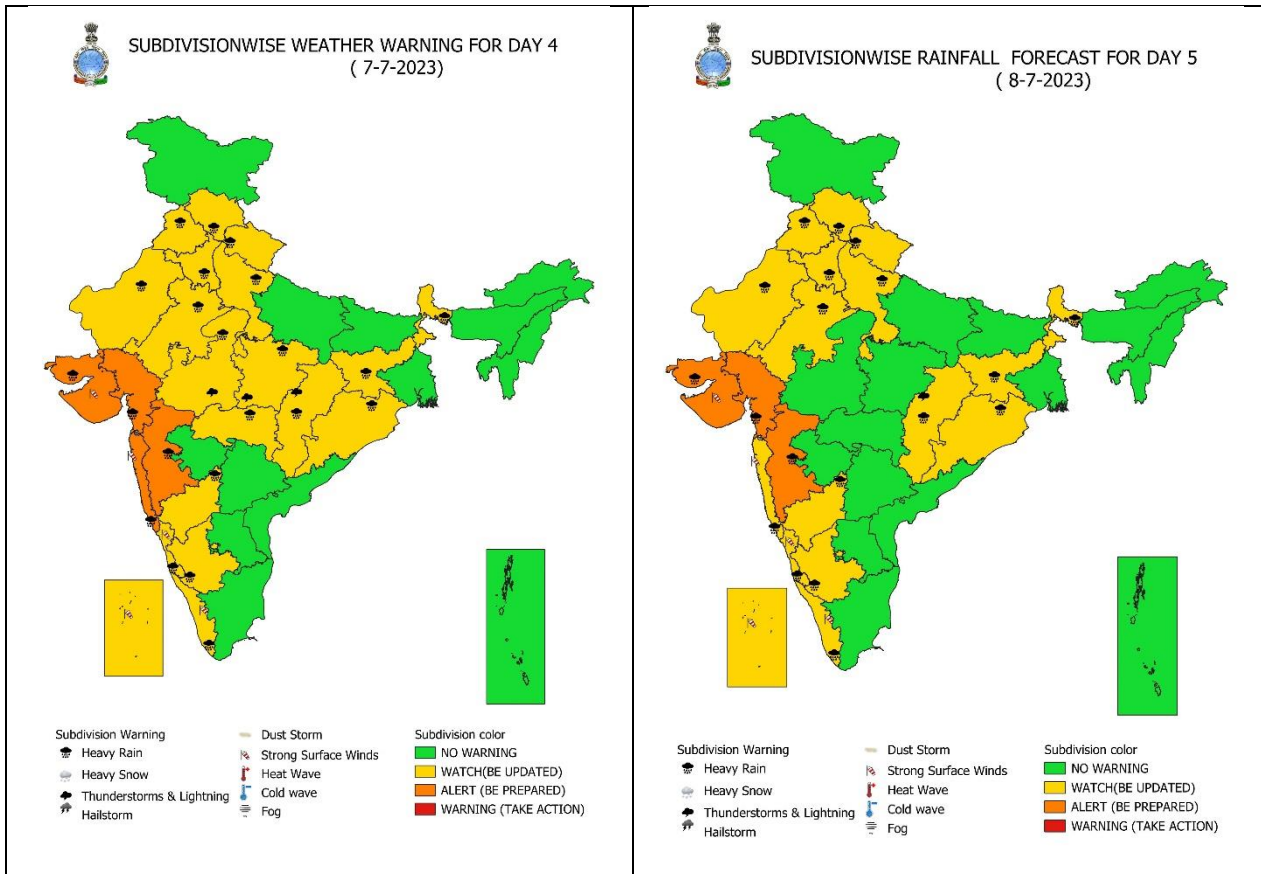
For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forecast_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 Sub-Himalaya West Bengal & Sikkim, Assam & Meghalaya, Konkan & Goa, Coastal Andhra Pradesh, Kerala & Mahe, Tamil Nadu, West Uttar Pradesh and **Heavy rainfall** at isolated places over Uttarakhand, Himachal Pradesh, East Uttar Pradesh, Gangetic West Bengal, Saurashtra & Kutch, Madhya Maharashtra, Coastal Karnataka and Odisha.
- **Significant rainfall recorded (in cm): Konkan & Goa:** Harnai Imd Obsy (dist Ratnagiri) 14, Alibag - Imd Part Time (dist Raigad) 14, Dapoli_agri (dist Ratnagiri) 13, Sudhagad Pali (dist Raigad) 11, Mandangad (dist Ratnagiri) 11, Mangaon (dist Raigad) 9, Pen (dist Raigad) 9, Dabolim N.a.s.- Navy (dist South Goa) 9, **Saurashtra & Kutch:** Mendarda (dist Junagadh) 9, Jetpur (dist Rajkot) 8; **Bihar:** West Champaran-9; **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 7, Sholapur - Imd Obsy (dist Sholapur) 7; **Odisha:** Similiguda (dist Koraput) 11, Kotpad (dist Koraput) 9; **Kerala:** Cherthala (dist Alapuzha) 15, Cherthala Aws (dist Alapuzha) 15, Kudulu (dist Kasargod) 14, Ranni Aws (dist Pathanamthitta) 14, Kottayam (dist Kottayam) 14, Kumarakam (dist Kottayam) 13, Laha Aws (dist Pathanamthitta) 13, Ernakulam South (dist Ernakulam) 13, Kochi I.a.f. (dist Ernakulam) 12, Venkurinji Aws (dist Pathanamthitta) 11, Thycauttussery Aws (dist Alapuzha) 11, Palluruthy Arg (dist Ernakulam) 11, Bayar Aws (dist Kasargod) 11, Kanjirappally (dist Kottayam) 10, Piravam (dist Ernakulam) 10, Kunnathanam Aws (dist Pathanamthitta) 10, **Coastal Karnataka:** Mulki (dist Dakshina Kannada) 17, Panambur Obsy (dist Dakshina Kannada) 15, Kumta (dist Uttara Kannada) 13, Ankola (dist Uttara Kannada) 12, Mangaluru Ap Obsy (dist Dakshina Kannada) 12, Shirali Pto (dist Uttara Kannada) 11, Honavar Obsy (dist Uttara Kannada) 9, Manki (dist Uttara Kannada) 9, Gokarna (dist Uttara Kannada) 8, Kundapur (dist Udupi) 8, **Tamil Nadu:** Chinnakalar (dist Coimbatore) 13, Cincona (dist Coimbatore) 11, Valparai PTO (dist Coimbatore), Barur (dist Krishnagiri) 8 each, Sholayar (dist Coimbatore), Yercaud (dist Salem) 7 each, **Coastal Andhra Pradesh:** Tenali (dist Guntur) 12, Vizianagaram (dist Vizianagaram) 7, **Assam & Meghalya:** Tura Kvk (dist West Garo Hills) 12, Dhubri_imd (dist Dhubri) 12, Tikrikilla (dist West Garo Hills) 10, Dhubri_Cwc (dist Dhubri) 10, Kampur (dist Nagaon) 10, Tura_Aws (dist West Garo Hills) 9, Shella (dist East Khasi Hills) 8, **West Bengal:** Murshidabad-9, Sikkim-8; **Uttarakhand:** Dehradun-9, Kichha, Jauljibi-8 each, Didihat, Utt-Tech, Gangolihat, Narendranagar-7 each; **Himachal Pradesh:** Kahu (dist Bilaspur) 7, Dharmasala (dist Kangra) 5, **West Uttar Pradesh:** Baheri (dist Bareilly) 13, Chilaghat (dist Jhansi) 7, **East Uttar Prdaesh:** Rae Bareilly Cwc (dist Rae Bareilly) 9, Malihabad (dist Lucknow) 7, Balrampur (dist Balrampur) 7, Tulasipur (dist Balrampur) 7, **Madhya Pradesh:** Pathari (dist Vidisha) 6, Samnapur (dist Dindori) 5.





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, East Uttar Pradesh, Sub-Himalaya West Bengal & Sikkim, Konkan & Goa, Madhya Maharashtra (Ghat regions), Tamil Nadu, Kerala, Lakshadweep, Karnataka, Andhra Pradesh, Telangana and North Eastern States.
- ❖ Postpone sowing of Direct seeded rice in Coastal Karnataka.
- ❖ Provide staking to vegetables.

Impact & Action Suggested due to extremely heavy/very heavy rainfall over Coastal & South Interior Karnataka, Kerala & Mahe during 04th-06th; Konkan & Goa and ghat areas of Madhya Maharashtra during 04th-07th; Sub-Himalaya West Bengal & Sikkim, Assam & Meghalaya on 04th; Tamil Nadu, Puducherry & Karaikal on 04th & 05th; Coastal Andhra Pradesh & Yanam, Telangana on 04th ; Gujarat state on 07th & 08th 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 kutch 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 |