

Realised Rainfall during past 24 hours till 0830 hours IST of today:

- ❖ Light to moderate rainfall accompanied with thunderstorm & lightning observed **at most places** over Rayalaseema, Karnataka, Kerala & Mahe; **at many places** over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal, Lakshadweep; **at a few places** over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam and **at isolated places** over Gangetic West Bengal, Odisha, Jharkhand, Bihar, West Uttar Pradesh, Punjab, Rajasthan, East Madhya Pradesh, Gujarat Region, Marathwada, Chhattisgarh, Telangana.

Significant amount of rainfall (in cm):

- ❖ **Coastal Karnataka:** Manki (dist Uttara Kannada) 23, Karwar Obsy (dist Uttara Kannada) 22, Gokarna (dist Uttara Kannada) 20, Kumta (dist Uttara Kannada) 20, Ankola (dist Uttara Kannada) 19, HonavarObsy (dist Uttara Kannada) 15, Shirali Pto (dist Uttara Kannada) 9, Kadra (dist Uttara Kannada) 8, Kota (dist Udupi) 7, Kundapur (dist Udupi) 6, Joida (dist Uttara Kannada) 4, Sulya (dist DakshinaKannada) 4, Gersoppa (dist Uttara Kannada) 4, Mundgod (dist Uttara Kannada) 4;
- ❖ **Konkan & Goa:** Canacona (dist South Goa) 19, Quepem (dist South Goa) 17, Sanguem (dist South Goa) 15, Malvan (dist Sindhudurg) 11, Palghar_agri (dist Palghar) 9, Dodamarg (dist Sindhudurg) 7, Vaibhavwadi (dist Sindhudurg) 7, Bhiwandi (dist Thane) 6, Mormugao - Pmo Imd (dist South Goa) 6, Ponda (dist North Goa) 6, Dabolim N.a.s.- Navy (dist South Goa) 5, Kudal (dist Sindhudurg) 5, Panjim - Imd Obsy (dist North Goa) 4, Rameshwar_agri (dist Sindhudurg) 4;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Wallajah (dist Ranipet) 13, Ammoor (Walajah Railway) (dist Ranipet) 8, Arakonam (dist Ranipet), Tiruttani (dist Tiruvallur), Arcot (dist Ranipet) 7 each, Nalumukku (dist Tirunelveli), Idayapatti (dist Madurai), Kallakurichi (dist Kallakurichi) 6 each, Vilupuram (dist Villupuram), Pechiparai (dist Kanniyakumari), Tiruttani PTO (dist Tiruvallur), Kalial (dist Kanniyakumari), DSCL Keezhpadi (dist Kallakuruchi) 5 each, Perunchani Dam (dist Kanniyakumari), Uthukottai (dist Tiruvallur), Kaveripakkam (dist Ranipet), Adayamadai (dist Kanniyakumari), Oothu (dist Tirunelveli), Denkanikottai (dist Krishnagiri), Puthan Dam (dist Kanniyakumari), Panchapatti (dist Karur), Thenparanadu (dist Thiruchirappalli), Balamore (dist Kanniyakumari), Chinnakalar (dist Coimbatore), Devala (dist The Nilgiris), DSCL Kalayanallur (dist Kallakurichi), Dendikottai ARG (dist Krishnagiri) 4 each;
- ❖ **West Madhya Pradesh:** Nisarpur (dist Dhar) 11, Gandhwani (dist Dhar) 9, Sendhwa (med) (dist Barwani) 8, Badwani (dist Barwani) 5, Kukshi (dist Dhar) 5, Pati (dist Barwani) 4, Dahi (dist Dhar) 4, Nalchha (dist Dhar) 4;
- ❖ **Odisha:** Danagadi (dist Jajpur) 8, Jenapur (dist Jajpur) 5, Tihidi (dist Bhadrak) 5;
- ❖ **Telangana:** Atmakur Wnp (dist Wanaparthy) 8, Koilkonda (dist Mahabubnagar) 5, Kondurg (dist Rangareddy) 5, Tandur(a) (dist Vikarabad) 5, Utkoor (dist Narayanpet) 5,
- ❖ **South Interior Karnataka:** Davanagere Pto (dist Davangere) 7, Kottigehara (dist Chikkamagaluru) 5, C R Patna (dist Hassan) 4, Agumbe Emo (dist Shivamogga) 4, Midigeshi (dist Tumakuru) 4, Bargur (dist Tumakuru) 4,
- ❖ **Kerala & Mahe:** Peringalkuthu Aws (dist Thrissur) 7, Thiruvananthapuram (dist Thiruvananthapuram) 5, Ayyankunnu Aws (dist Cannur) 5;
- ❖ **Vidarbha:** Malegaon (dist Washim) 6;
- ❖ **Madhya Maharashtra:** Kasabedigraj_agri (dist Sangli) 6, Sangli - Imd Obsy (dist Sangli) 5, Surgana (dist Nashik) 5, Igatpuri (dist Nashik) 5;
- ❖ **North Interior Karnataka:** Haveri Apmc (dist Haveri) 6, Sedam (dist Kalaburgi) 6, Bailhongal (dist Belagavi) 6, Savanur (dist Haveri) 5, Shiggaon (dist Haveri) 4,
- ❖ **Rayalaseema:** Pattikanda (dist Kurnool) 6, Pulivendla (dist Ysr District) 5, Jammalamadugu (dist Ysr District) 5, Orvakal (dist Kurnool) 5, Cuddapah (dist Ysr District) 5, Nandyal (dist Nandyal) 4, Dornipadu (dist Nandyal) 4, Rolla (dist Sri Sathyasai District) 4, Madakasira (dist Sri Sathyasai District) 4, Owk (dist Nandyal) 4, Nagari (dist Chittoor) 4, Pullampeta (dist Annamayya District) 4
- ❖ **Coastal Andhra Pradesh & Yanam:** Chimakurthi (dist Prakasam) 5, Marripudi (dist Prakasam) 5;

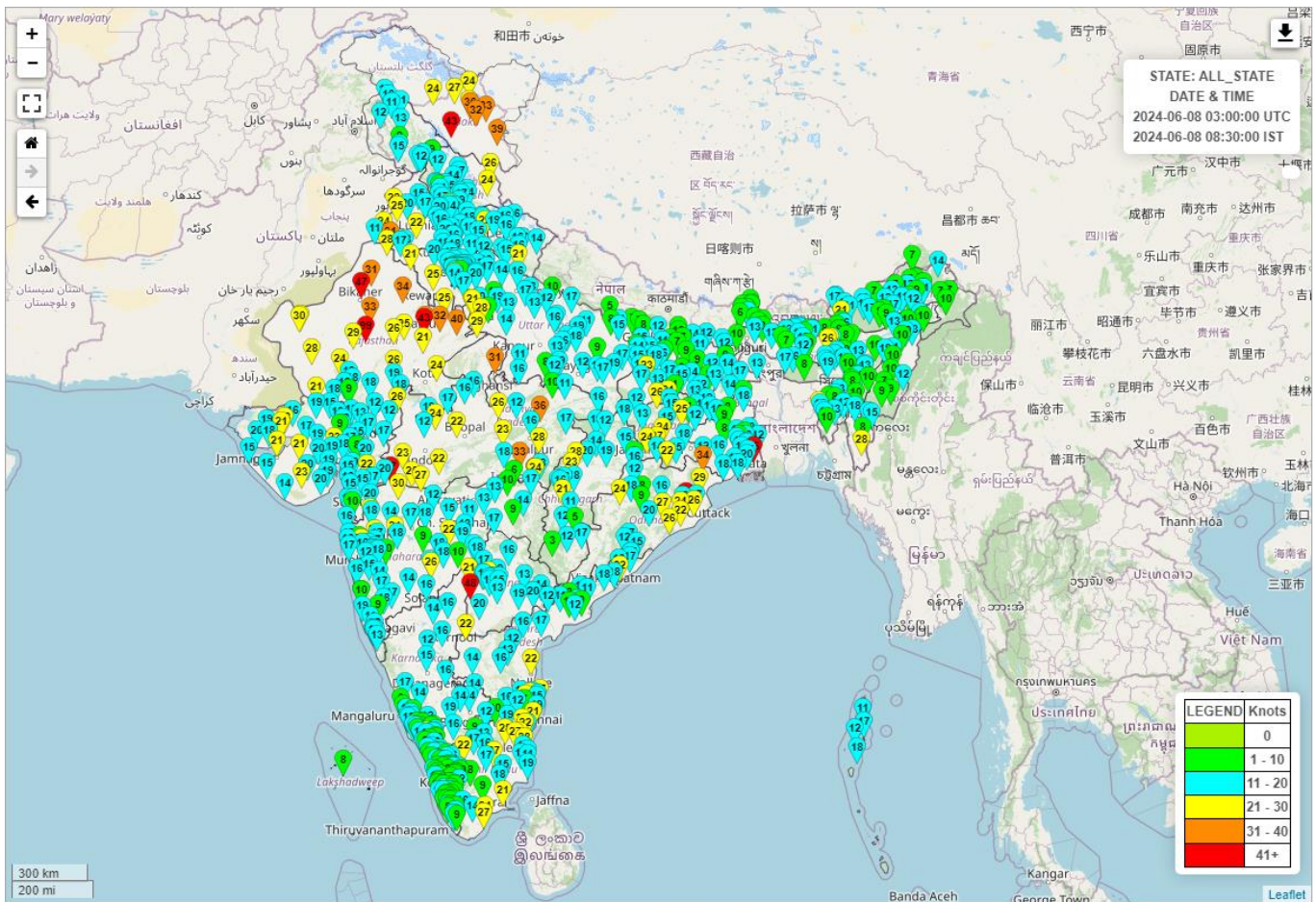
❖ **Sub-Himalayan West Bengal & Sikkim:** Gangtok (dist Gangtok) 5, Buxaduar (dist Alipurduar) 5;

ANNEXURE II

Reported maximum wind speed (kmph) during past 24 hours till 0830 hours IST of today:

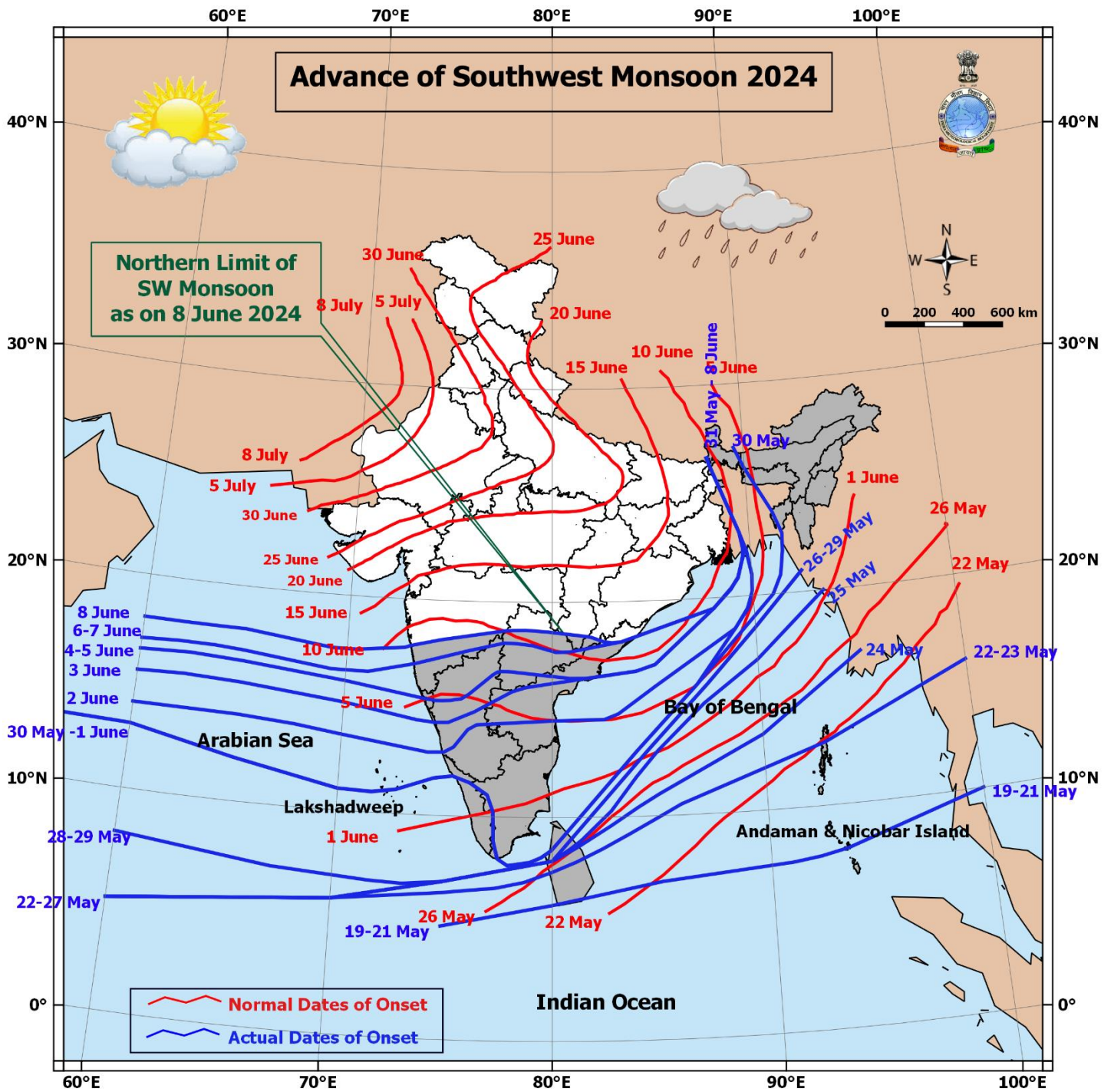
- ❖ **Haryana:** Gurugram-48, Mahendragarh-46
- ❖ **Rajasthan:** Bikaner_AMFU-87, Karauli_KVK-74, Jaipur_AMFU-65, Fatehpur_AMFU-63, Nagaur-61, Khedali-59, Lunkarnsar-57
- ❖ **Odisha:** Mayurbhanj-63, Bhadrak-54, Panipolia-50, Jagatsinghpur & Janhukuda-48 each
- ❖ **Chhattisgarh:** Mungeli-52, Bemetara-43, Balod-39
- ❖ **Maharashtra:** Gondia-57, Dhule-56, Chopda-50, Tulga-48, Jalgaon-46
- ❖ **West Madhya Pradesh:** Gwalior- 63, Indore- 52, Shajapur- 45, Badwani- 43, Sehore & Khandwa- 41 each
- ❖ **East Madhya Pradesh:** Katni- 67, Seoni- 61, Mandla- 52, Sagar- 48, Jabalpur- 46, Chhindwara- 43
- ❖ **Punjab:** Faridkot-25, Ferozpur & Barnala-41 each
- ❖ **Bihar:** Arwal-43
- ❖ **Tamil Nadu:** Mailam-56, Kallakuruchi & Chidambaram-52 each, Thiruchendur, Ennore & Tirur-50 each
- ❖ **Telangana:** Narsapur-44
- ❖ **Assam:** Guwahati-48
- ❖ **Jharkhand:** Simdega-50, Chatra-48, Bokaro-46
- ❖ **West Uttar Pradesh:** Jhansi-57, Agra-52, Mathura-39

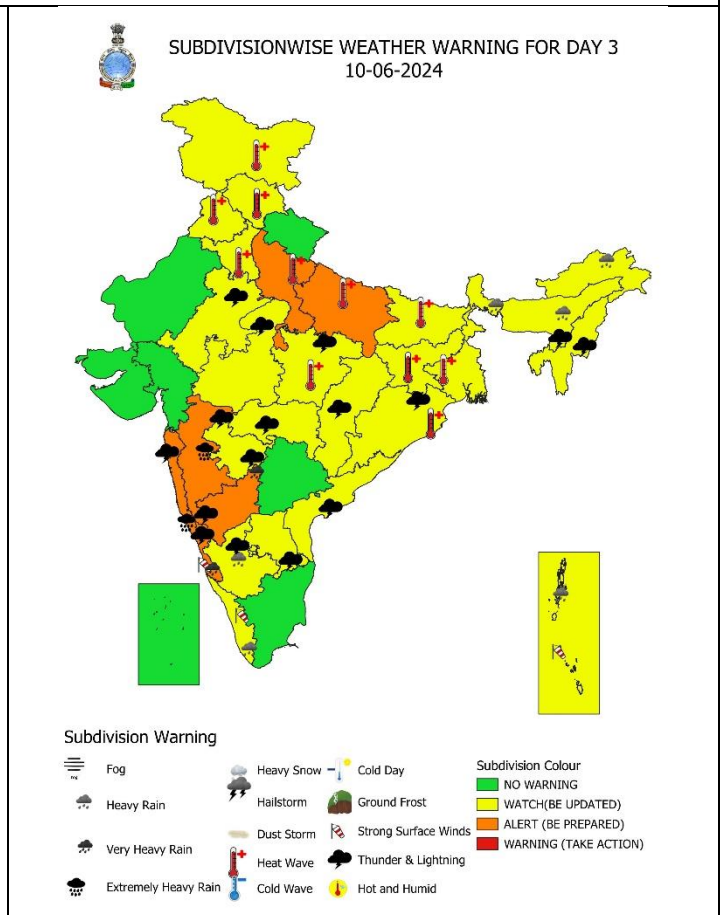
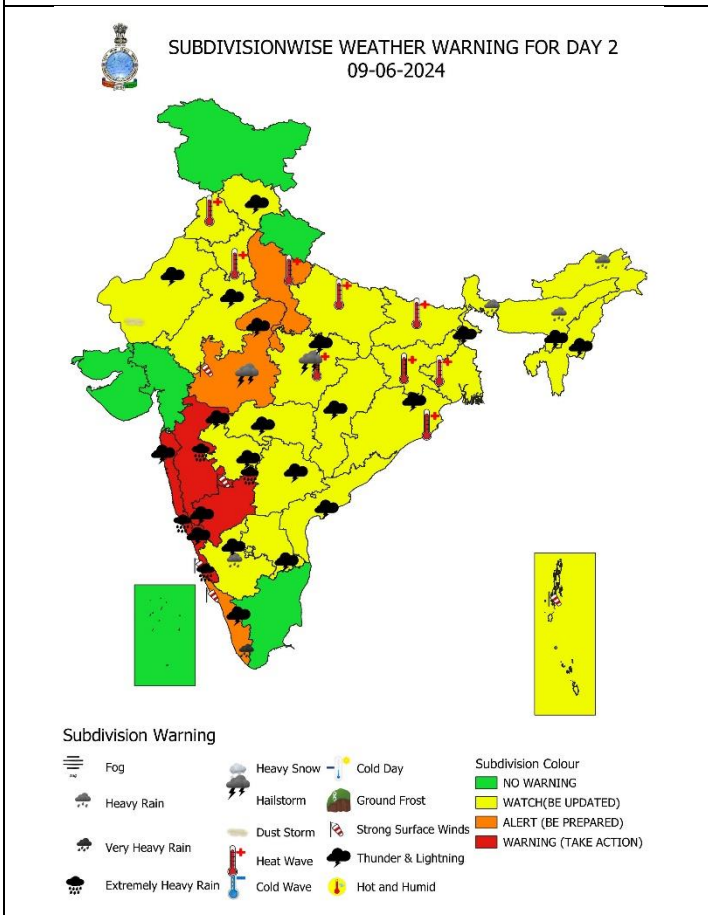
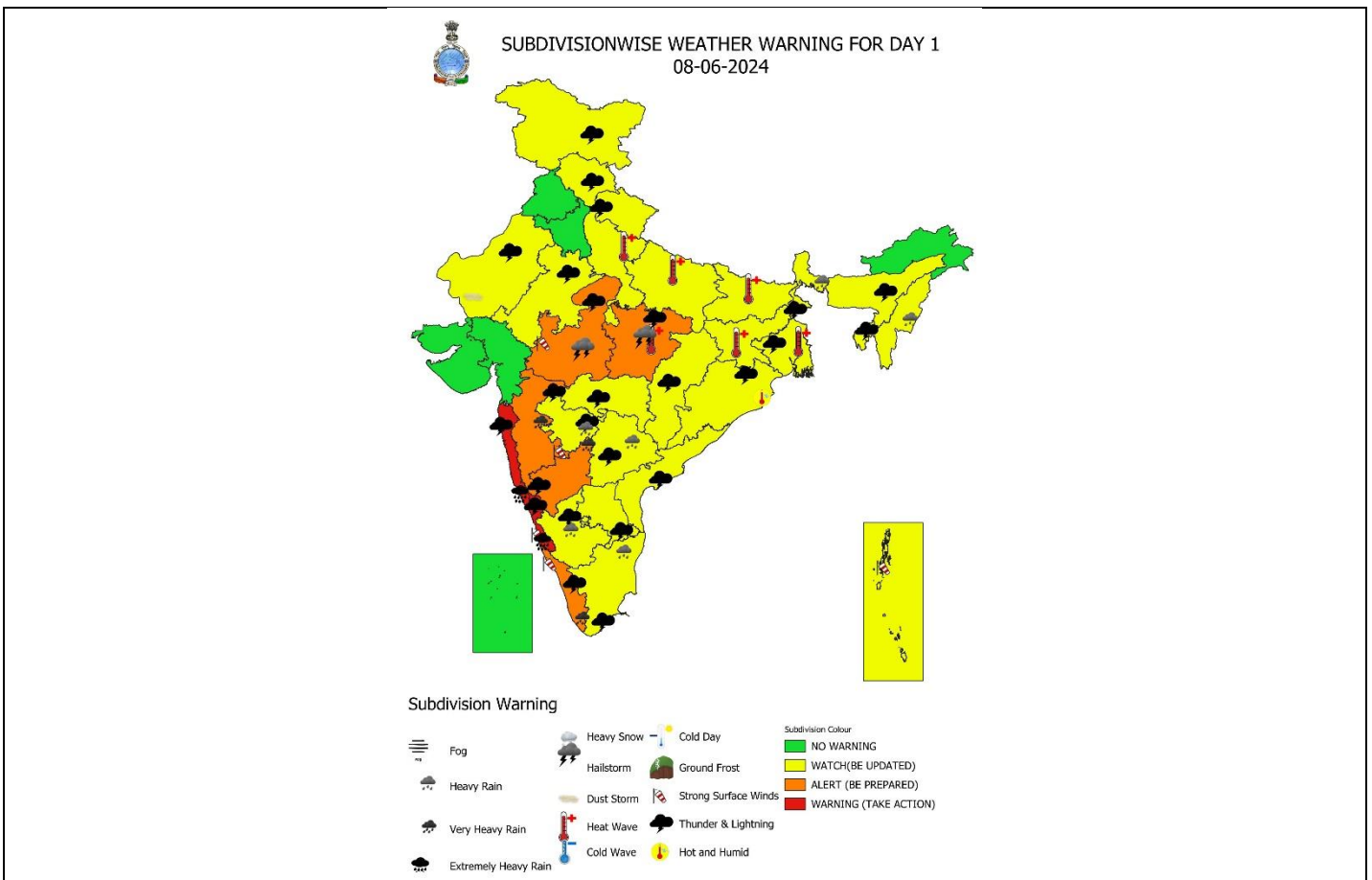
Fig.: Gusty winds reported over the country (in knots, 1 Knot = 1.85 kmph) from 0830 hrs IST of 07.06.2024 to 0830 hrs IST of 08.06.2024

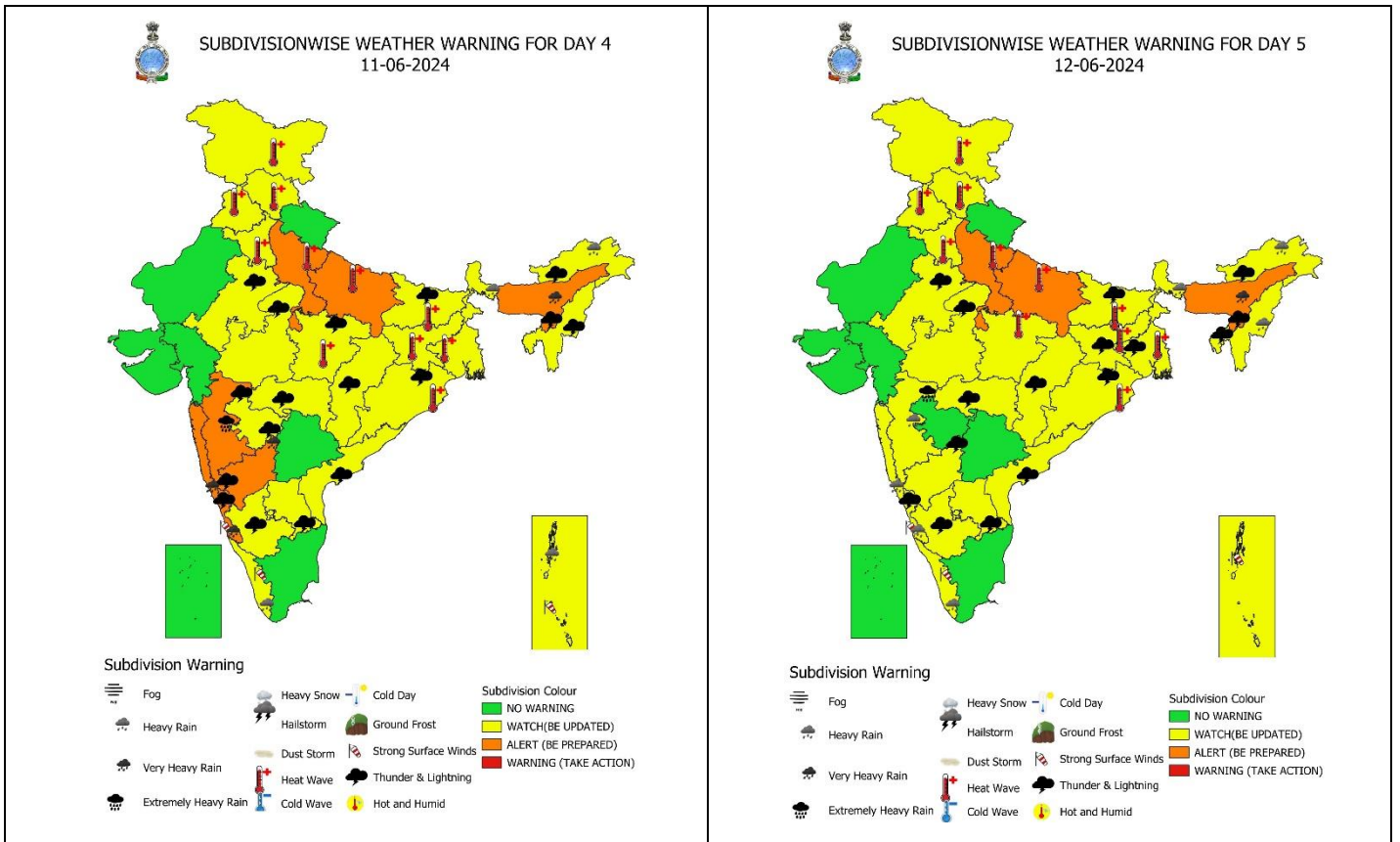


For more details, kindly refer: <http://aws.imd.gov.in:8091/>

Advance of Southwest Monsoon 2024







IMPACT & ACTION SUGGESTED due to very heavy rainfall/extremely heavy falls over Kerala & Mahe on 08th & 09th; Konkan & Goa, Madhya Maharashtra, Coastal & North Interior Karnataka during 08th-11th June, 2024.

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/landslips/mudslips/landsinks/mudsinks.
- 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)

A. 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.

IMPACT & ACTION SUGGESTED due to Heat Wave Conditions:

Orange alert Areas:

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Yellow alert Areas:

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

Impact expected and action suggested due to thunderstorms, lightning/squall/gusty winds/Hailstorm over Madhya Pradesh during 08th-09th June, 2024.

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Agromet advisories for Heavy Rainfall, Gusty winds, Hail Storms and Heat Wave likely over various parts of the country:

- Drain out excess water from crop fields to avoid water stagnation in Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana, Maharashtra and Sub Himalayan West Bengal.
- Apply light and frequent irrigation to standing crops to avoid heat stress; provide mulching to conserve soil moisture and minimise evaporation in Uttar Pradesh, Odisha, Jharkhand and East Madhya Pradesh.
- Use hail nets or hail caps in fruit orchards to prevent mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in West Rajasthan and West Madhya Pradesh.
- Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds.

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office.
- ❖ **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-Himalayan 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 Marathawada.
 - **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)

 Fog  Heavy Rain  Very Heavy Rain  Extremely Heavy Rain	 Heavy Snow  Hailstorm  Dust Storm  Heat Wave  Cold Wave	 Cold Day  Ground Frost  Strong Surface Winds  Thunder & Lightning  Hot and Humid	Subdivision Colour  NO WARNING  WATCH(BE UPDATED)  ALERT (BE PREPARED)  WARNING (TAKE ACTION)
--	---	--	--

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