



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 03rd October, 2025

Time of Issue: 1345 hours IST

Subject: (i) Under the influence of depression over Interior Odisha, heavy to very heavy rainfall likely over East India and East Madhya Pradesh, East Uttar Pradesh on 03rd & 04th October with possibility of extremely heavy rainfall at isolated places likely over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim and Bihar on 04th October.
(ii) A fresh intense western disturbance is likely cause heavy rainfall spell over Northwest India during 05th-07th October with peak intensity on 06th October.

Realised weather during past 24 hours till 0830 hours IST of today, the 03rd October, 2025:

- ❖ Heavy to very heavy rainfall with Extremely heavy rainfall (≥ 21 cm) has been recorded at isolated places over Odisha.
- ❖ Heavy to very heavy rainfall (7-20 cm) has been recorded at isolated places over Coastal Andhra Pradesh.
- ❖ Heavy rainfall (7-11 cm) has been recorded at isolated places over Arunachal Pradesh, Meghalaya, West Bengal, Jharkhand, Chhattisgarh, Konkan and Saurashtra & Kutch.
- ❖ Gopalpur reported maximum wind speed of 73 kmph in gustiness and 3 minute average maximum sustained wind speed was 48 kmph due to the Deep depression which crossed coast close to Gopalpur during evening of yesterday, the 02nd October.

For more details of realised weather, kindly refer [Annexure I](#).

Withdrawal of southwest Monsoon:

- ❖ The line of withdrawal of southwest monsoon continues to pass through 20°N/ 69°E, Veraval, Bharuch, Ujjain, Jhansi, Shahjahanpur and 30°N/81°E. ([Annexure II](#))

i. Weather Systems, Forecast and Warnings (refer to Annexure III & IV):

- ❖ Yesterday's **deep depression** over west central and adjoining northwest Bay of Bengal crossed Odisha coast close to Gopalpur around 1700 hours IST of yesterday, the 02nd October. Maximum sustained wind speed of 55-65 gusting to 75 kmph. It weakened into a depression over Interior Odisha at 0530 hrs IST of today, the 03rd October. It moved north-northwestwards with a speed of 15 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 3rd October 2025 over the same region near latitude 20.7N and longitude 83.7E, about 60 km west-northwest of Phulbani (Odisha), about 100 km north-northeast of Bhawanipatna (Odisha) and 90 km south-southwest of Sambalpur (Odisha). It is very likely to move initially north-northwestwards across interior Odisha and then northwards across north Chhattisgarh and weaken gradually into a well-marked low pressure area next 24 hours.
- ❖ Yesterday's **depression** over northeast Arabian Sea intensified into a **deep depression** over the same region at 2330 hours IST of yesterday, the 02nd October lay centered over the same region at 0530 hours IST of today, the 03rd October 2025. It moved northwestwards with a speed of 12 kmph during last 6 hours and lay centered at 0830 hrs IST of today, the 3rd October, 2025 over the same region near latitude 21.5N and longitude 67.0E, about 240 km west-southwest of Dwarka, 270 km southwest of Naliya, 280 km west of Porbandar and 380 km south of Karachi (Pakistan). It is likely to move west-northwestwards and intensify into a cyclonic storm during next 03hrs. Thereafter, it is like to move nearly westwards initially and then west-southwestwards and intensify further into a severe cyclonic storm during subsequent 24 hours
- ❖ A **Western Disturbance** seen as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 67°E to the north of Lat. 32°N. Thereafter, a fresh **Western Disturbance** along with high moisture feeding from Arabian sea as well as Bay of Bengal to northwest India at lower tropospheric

levels likely to cause heavy precipitation spell along with hailstorm during 05th to 07th with peak intensity on 06th October, 2025.

Under the influence of these systems, the following weather is likely:

East & Central India:

- ❖ **Isolated Extremely heavy rainfall (≥ 21 cm) likely over Sub-Himalayan West Bengal, Sikkim and Bihar on 04th October.**
- ❖ Light to moderate rainfall/thunderstorm at most/many places with isolated **heavy rainfall** likely over East Madhya Pradesh, Odisha, Gangetic West Bengal and Chhattisgarh on 03rd & 04th; Sub-Himalayan West Bengal & Sikkim and Bihar during 03rd - 06th October; Gangetic West Bengal on 03rd & 04th; Jharkhand during 03rd - 05th October with **isolated very heavy rainfall over East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Jharkhand & Odisha on 03rd; Sub-Himalayan West Bengal & Sikkim and Bihar during 03rd-05th October.**
- ❖ Thunderstorm & gusty winds (speed reaching 30-40 kmph) very likely over East India during next 5 days.

Northeast India:

- ❖ Light/moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Arunachal Pradesh on 03rd, 04th & during 07th-09th; Assam & Meghalaya during 03rd-05th & during 07th-09th; Nagaland, Manipur, Mizoram & Tripura on 03rd & 04th, 08th & 09th October.

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Tamil Nadu during 03rd -05th October.
- ❖ Strong surface winds (speed reaching 30-40 kmph) over Coastal Andhra Pradesh & Yanam & Rayalaseema during next 5 days.

Northwest India:

- ❖ **Isolated Extremely heavy rainfall (≥ 21 cm) likely over East Uttar Pradesh on 04th October.**
- ❖ Isolated to scattered rainfall very likely over Northwest India on 03rd & 04th and increase thereafter with fairly widespread to widespread rainfall accompanied with thunderstorm & lightning during 05th-07th October.
- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh & Himachal Pradesh during 05th-07th; Uttarakhand on 06th & 07th; Punjab on 05th & 06th; West Uttar Pradesh, Haryana Chandigarh & Delhi on 06th & 07th; East Uttar Pradesh during 03rd-05th; East Rajasthan on 06th October with **very heavy rainfall** over Jammu-Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi on 06th; East Uttar Pradesh on 03rd October.
- ❖ Isolated **hailstorm** activity is also likely over Jammu-Kashmir, Himachal Pradesh on 05th; Haryana Chandigarh & Delhi, West Uttar Pradesh & Uttarakhand on 06th; Punjab on 05th & 06th October.
- ❖ Strong surface winds (speed reaching 30-50 kmph) over Jammu-Kashmir, Himachal Pradesh, Punjab & Haryana Chandigarh during 05th - 07th; Uttarakhand during 05th -08th; West Uttar Pradesh on 03rd, 05th & 06th; East Uttar Pradesh on 03rd & 04th; West Rajasthan on 05th & 06th; East Rajasthan on 06th October.

West India:

- ❖ Light to moderate rain/thunderstorm at some/isolated places likely over Madhya Maharashtra & Marathwada on 03rd & 04th; Saurashtra & Kutch on 03rd October.

Fishermen warnings:

Fishermen are advised not to venture into the following areas during 03rd October to 06th October:

Arabian Sea:

- Fishermen are advised not to venture into Northwest Arabian Sea, adjoining areas of northeast Arabian Sea, central Arabian sea and along & off Gujarat-north Maharashtra coasts during 03rd - 06th October.

Bay of Bengal:

- Fishermen are advised not to venture into northwest & adjoining westcentral Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal coasts till afternoon of 03rd October.

ii. Weather conditions and forecast over Delhi/NCR during 03rd to 06th October, 2025 (Annexure V)

For more details, kindly refer National Weather Bulletin:

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

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

ANNEXURE I

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 03rd October (≥ 7 cm):

- ❖ **Odisha:** Th Rampur (dist Kalahandi) 35, R.udaigiri (dist Gajapati) 29, Gumma (dist Gajapati) 21, Junagarh (dist Kalahandi) 21, Komna (dist Nawapara) 20, Gosani (dist Gajapati) 17, Nuagada (dist Gajapati) 17, Kotagarh (dist Kandhamal) 15, Nawapara (dist Nawapara) 15, Mahendragarh (dist Gajapati) 15, Lamataput (dist Koraput) 14, Daringibadi (dist Kandhamal) 14, Narla (dist Kalahandi) 14, Similiguda (dist Koraput) 13, Kashipur (dist Rayagada) 12, Nandahandi (dist Nawarangpur) 11, Nh5 Gobindpur (dist Balasore) 11, Lanjigarh (dist Kalahandi) 11, Madanpur Rampur (dist Kalahandi) 11, Kalampur (dist Kalahandi) 11, Kotpad (dist Koraput) 11, Gunupur (dist Rayagada) 10, Ambadola (dist Rayagada) 10, Paralakhemundi (dist Gajapati) 10, Rayagada (dist Rayagada) 10, Rayagada Pto (dist Rayagada) 10, Remuna (dist Balasore) 10, Gudvela (dist Bolangir) 10, Raikia (dist Kandhamal) 10, Jeypore (dist Koraput) 10, Tentulikhunti (dist Nawarangpur) 9, Betanati (dist Mayurbhanj) 9, Koraput (dist Koraput) 9, G Udayagiri (dist Kandhamal) 9, Kosagumda (dist Nawarangpur) 9, Patrapur (dist Ganjam) 8, Muruda (dist Mayurbhanj) 8, Borigumma (dist Koraput) 8, Golamunda (dist Kalahandi) 8, Muniguda (dist Rayagada) 8, Pottangi (dist Koraput) 8, Nandapur (dist Koraput) 8, Chandrapur (dist Rayagada) 8, Turekela (dist Bolangir) 8, Papadahandi (dist Nawarangpur) 8, Balasore (dist Balasore) 8, Kolnara (dist Rayagada) 8, R Guda (dist Rayagada) 8, Jaipatna (dist Kalahandi) 8, Phiringia (dist Kandhamal) 8, Boden (dist Nawapara) 7, Rasagovindapur (dist Mayurbhanj) 7, Jaleswar (dist Balasore) 7, Khariar (dist Nawapara) 7, Jhorigam (dist Nawarangpur) 7, Nawarangpur (dist Nawarangpur) 7, Sorada (dist Ganjam) 7;
- ❖ **Coastal Andhra Pradesh:** Palasa (dist Srikakulam) 17; Mandasa (dist Srikakulam) 16; Tekkali (dist Srikakulam), Garividi (dist Vizianagaram) 9 Each; Pathapatnam (dist Srikakulam) 8; Nellimarla (dist Vizianagaram), Kalingapatnam (dist Srikakulam), Kurupam (dist Parvathipuram Manyam), Sompeta (dist Srikakulam), Cheepurupalle (dist Vizianagaram) 7 Each;
- ❖ **Sub Himalayan West Bengal:** Leesh River Tea Garden (dist Jalpaiguri) 10; Jaybirpara Tea Estate (dist Alipurduar) 9; Sevoke (dist Darjeeling), Mogulkata Tea Estate (dist Jalpaiguri) 8 Each;
- ❖ **Chhattisgarh:** Baloda Bazar (dist Baloda Bazar), Amlipadar (dist Gariaband) 10 Each; Mainpur (dist Gariaband), Mandir Hasoud (dist Raipur) 9 Each; Pallari/Palari (dist Baloda Bazar), Bilha (dist Bilaspur), Kharora (dist Raipur) 8 Each; Mahasamund (dist Mahasamund), Arang (dist Raipur), Gariabund (dist Gariaband), Bagbahara (dist Mahasamund), Suhela (dist Baloda Bazar) 7 Each;
- ❖ **Arunachal Pradesh:** Naharlagun AWS (dist Papumpara) 9;
- ❖ **Saurashtra & Kutch:** Vanthali (dist Junagadh), Chotila (dist Surendranagar) 8 Each;
- ❖ **Meghalaya:** Cherrapunji (dist East Khasi Hills) 8; Mawsynram (dist East Khasi Hills), Cherrapunji (dist East Khasi Hills) 7 Each;
- ❖ **Konkan:** Guhagarh (dist Ratnagiri) 8;
- ❖ **Jharkhand:** Putki (dist Dhanbad), Karmatand (dist Jamtara), Narayanpur (dist Jamtara) 7 Each;
- ❖ **Gangetic West Bengal:** Jangipur (dist Murshidabad) 7.

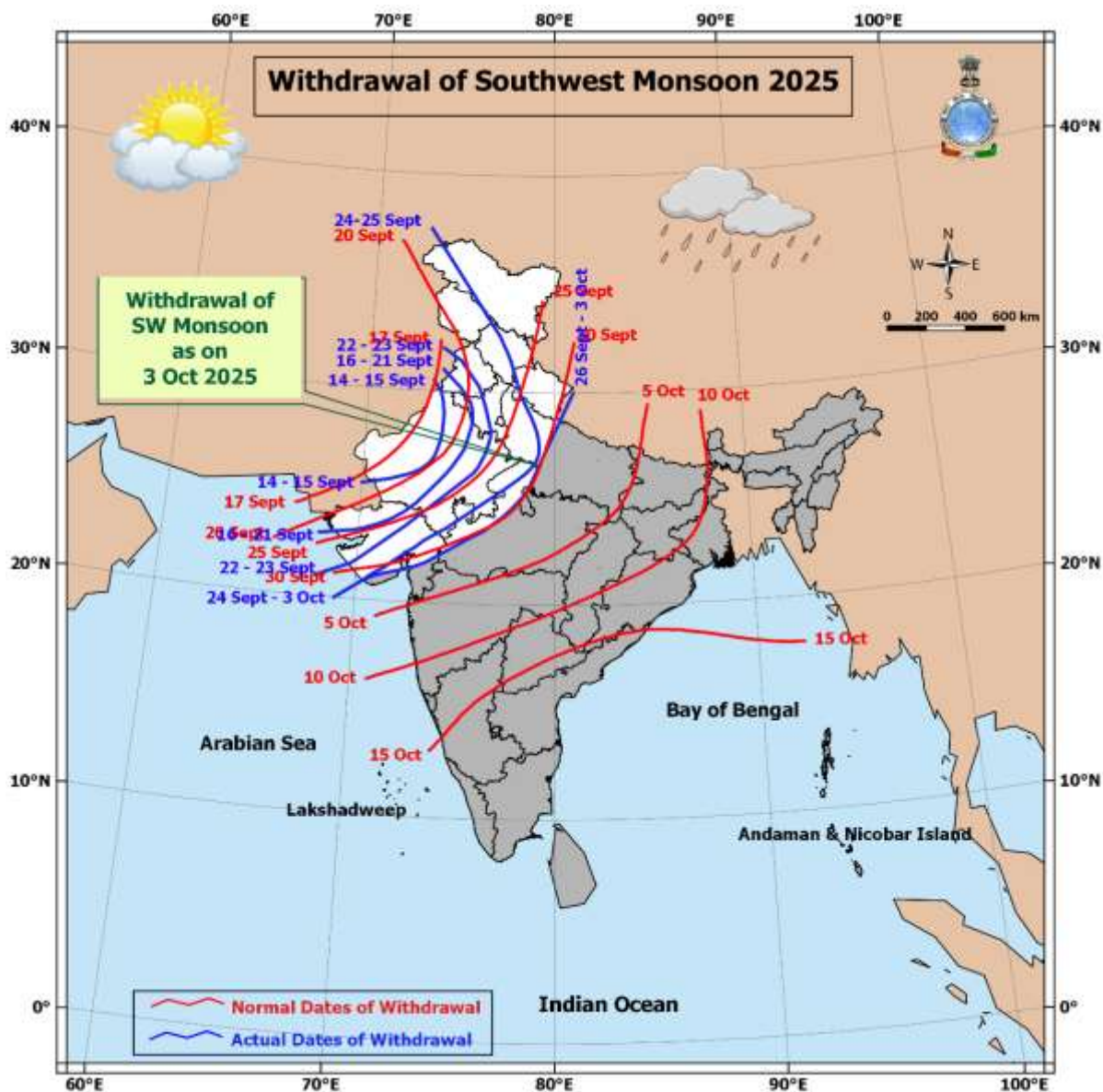
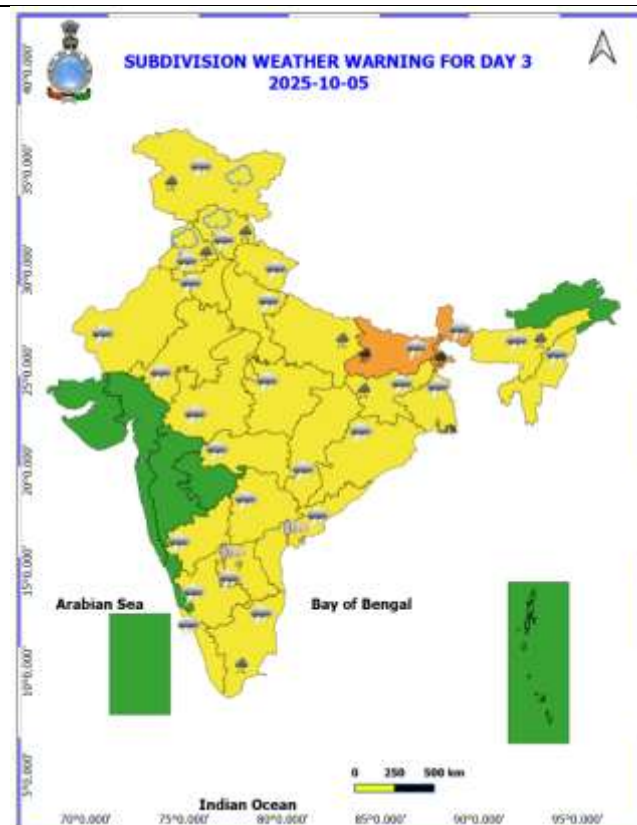
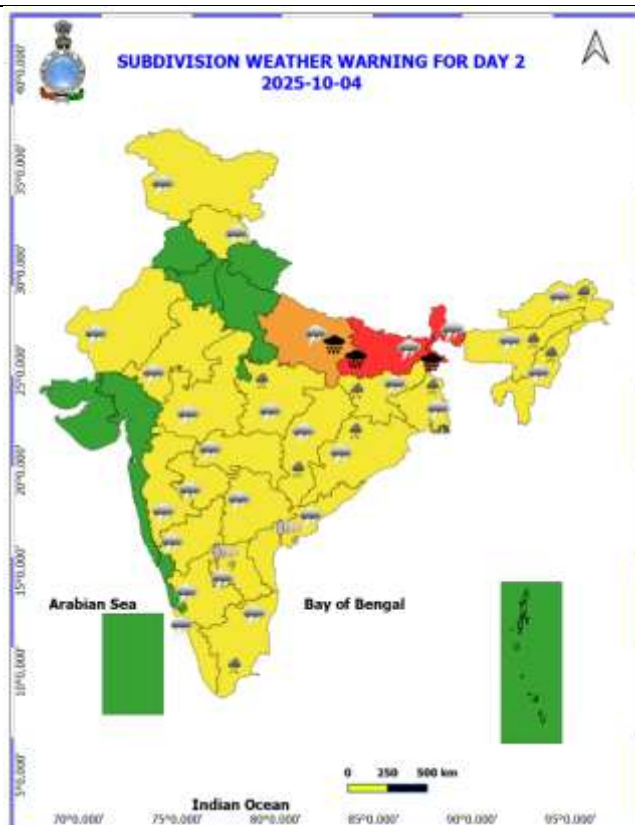
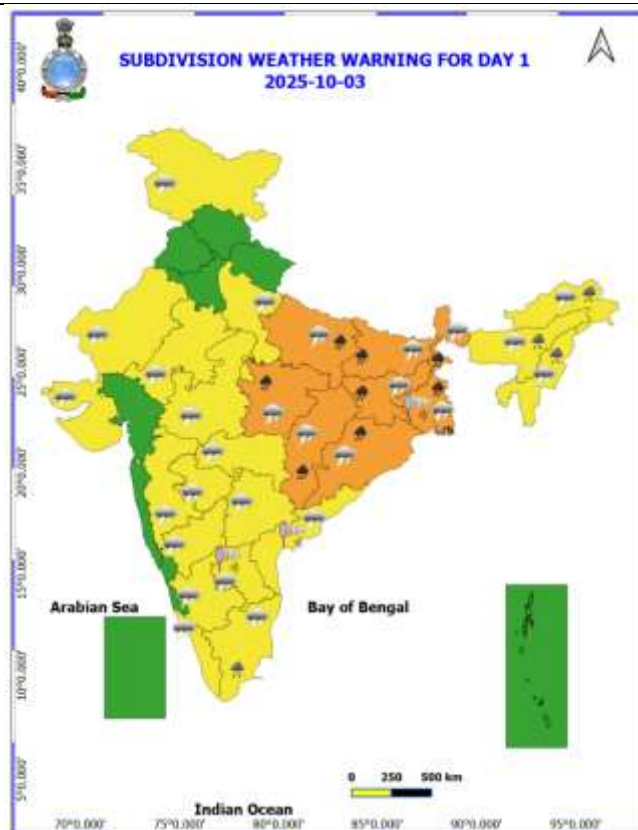
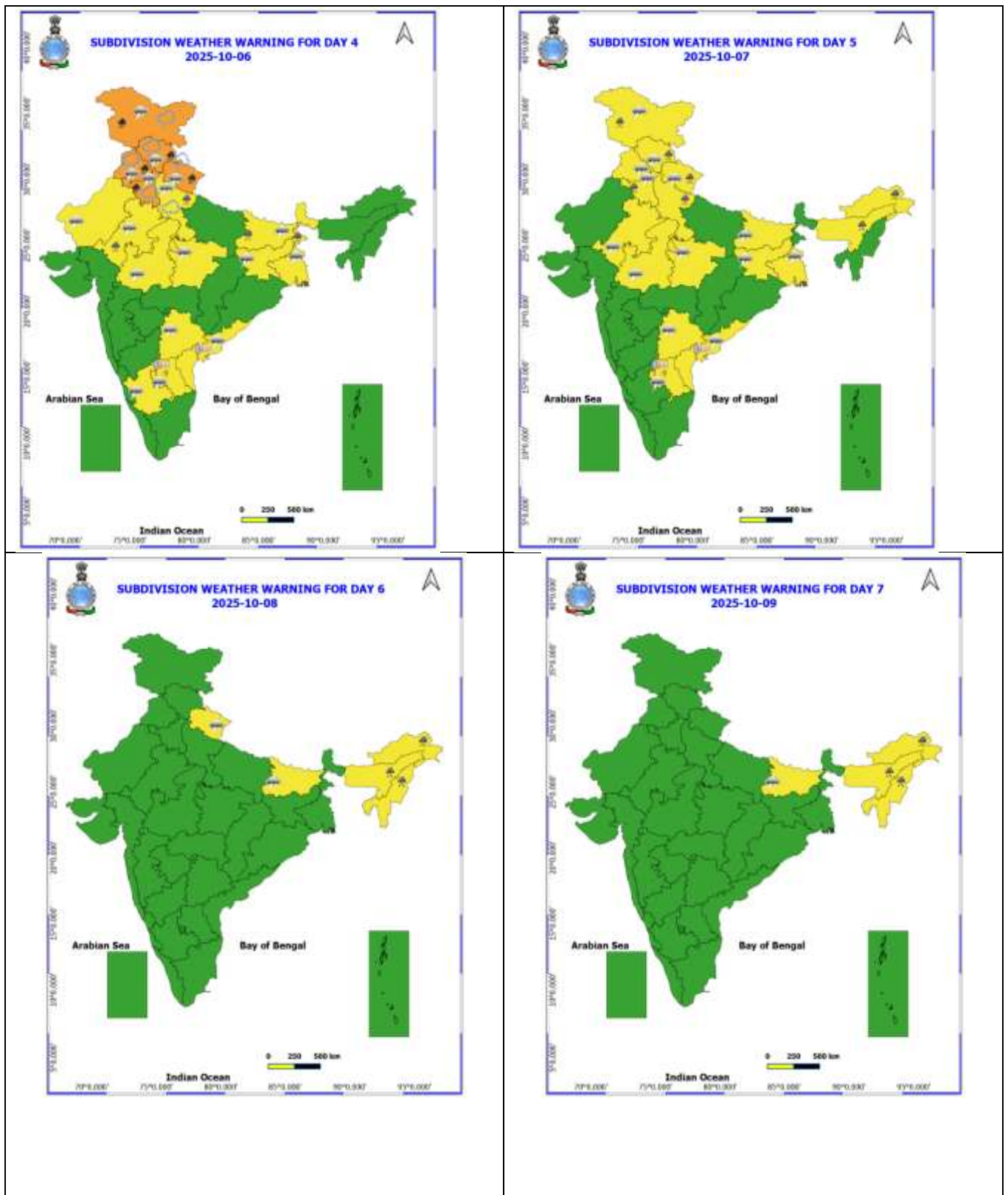


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	3- Oct	4- Oct	5- Oct	6- Oct	7- Oct	8- Oct	9- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	SCT	SCT	SCT	FWS	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	SCT	SCT	SCT	FWS	FWS
3	ASSAM & MEHGHALAYA	FWS	FWS	SCT	SCT	SCT	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	FWS	FWS	FWS	SCT	SCT	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	WS	WS	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	SCT	SCT	SCT
7	ODISHA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
8	JHARKHAND	WS	WS	WS	FWS	SCT	SCT	ISOL
9	BIHAR	WS	WS	WS	FWS	SCT	SCT	ISOL
10	EAST UTTAR PRADESH	FWS	WS	ISOL	SCT	SCT	SCT	ISOL
11	WEST UTTAR PRADESH	SCT	ISOL	SCT	FWS	FWS	ISOL	DRY
12	UTTARAKHAND	SCT	SCT	FWS	WS	WS	SCT	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	FWS	WS	FWS	ISOL	DRY
14	PUNJAB	ISOL	SCT	FWS	WS	FWS	ISOL	DRY
15	HIMACHAL PRADESH	ISOL	SCT	WS	WS	FWS	SCT	ISOL
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	WS	WS	SCT	DRY	DRY
17	WEST RAJASTHAN	ISOL	ISOL	SCT	SCT	ISOL	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	SCT	SCT	ISOL	DRY
19	WEST MADHYA PRADESH	SCT	FWS	FWS	FWS	SCT	SCT	ISOL
20	EAST MADHYA PRADESH	WS	WS	FWS	FWS	SCT	SCT	SCT
21	GUJRAT REGION	SCT	SCT	FWS	WS	FWS	SCT	SCT
22	SAURASHTRA & KUTCH	FWS	SCT	SCT	FWS	FWS	SCT	SCT
23	KONKAN & GOA	FWS	FWS	WS	FWS	FWS	SCT	SCT
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
27	CHHATTISGARH	WS	FWS	FWS	SCT	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	SCT	SCT	SCT	SCT
32	COSTAL KARNATAKA	FWS	SCT	SCT	SCT	ISOL	SCT	SCT
33	NORTH INTERIOR KARNATAKA	SCT	SCT	SCT	ISOL	ISOL	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	ISOL	ISOL	SCT	SCT
35	KERALA AND MAHE	FWS	FWS	FWS	SCT	SCT	FWS	FWS
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	FWS	FWS

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed districtwise Multi Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 03rd to 06th October 2025**Past Weather:**

There has been fall in the minimum temperature up to 1 - 2°C and rise in maximum temperature up to 1 - 2°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 33 to 35°C and 22 to 24°C respectively. The minimum temperature was near normal and maximum temperature was below normal up to 1 - 2°C. Generally cloudy sky conditions with predominant surface wind from the southeast/northeast direction with wind speeds up to 16 kmph prevailed during the past 24 hours. Light to moderate rain/thunderstorms at most places has been recorded in Delhi. Partly cloudy sky conditions with a wind speed of less than 10 kmph from the northeast direction prevailed over the region in the forenoon today.

Weather Forecast:

03.10.2025: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C. The maximum temperature will be near normal. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 10 -15 kmph during afternoon hours. The wind speed will decrease becoming less than 12 kmph from the southeast direction during the evening and night.

04.10.2025: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be above normal up to 1 - 2°C and the maximum temperature will be above normal up to 1 - 2°C. The predominant surface wind will likely to be from the south direction with a wind speed of up to 08-12 kmph during morning hours. The wind speed will gradually increase becoming less than 15 kmph from the northeast direction in the afternoon. The wind speed will decrease becoming less than 10 kmph from the southeast direction during the evening and night.

05.10.2025: Generally cloudy sky. A spell of very light to light rain accompanied with thunderstorm/lighting towards evening/night. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be above normal up to 1 - 2°C and the maximum temperature will be above normal up to 1 - 2°C. The predominant surface wind will likely to be from the northeast direction with a wind speed of up to 08-12 kmph during morning hours. The wind speed will gradually increase becoming less than 15 kmph from the northeast direction in the afternoon. The wind speed will increase becoming less than 20 kmph from the southeast direction during the evening and night.

06.10.2025: Generally cloudy sky. A few spells of light to moderate rain very likely at many places accompanied with thunderstorms/lighting and wind speed reaching to 30 - 40 kmph gusting to 50 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 23 to 25°C respectively. The minimum temperature will be near normal and the maximum temperature will be below normal up to 1 - 3°C. The predominant surface wind will likely to be from the east direction with a wind speed of up to 10 - 15 kmph during morning hours. The wind speed will gradually increase becoming less than 18 kmph from the southwest direction in the afternoon. The wind speed will increase becoming less than 20 kmph from the southeast direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Isolated Extremely heavy rainfall (≥ 21 cm)** over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim & Bihar on 04th October.
- ❖ **Very heavy rainfall** over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Jharkhand & Odisha on 03rd; Sub-Himalayan West Bengal & Sikkim & Bihar on 03rd & 05th; Jammu-Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi on 06th October.

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 kutchha 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 mainly over Bihar, Jharkhand and West Bengal (for riverine flooding please visit Web page of CWC)

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 expected and action suggested due to Hailstorm over

- ❖ **Isolated hailstorm** activity over Jammu-Kashmir, Himachal Pradesh on 05th; Haryana Chandigarh & Delhi, West Uttar Pradesh & Uttarakhand on 06th; Punjab on 05th & 06th October.

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Minor damage to kutchha houses/walls and huts.

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 likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall

- In **Odisha**, drain out excess rain water from fields of rice, finger millet, maize, pulses, groundnut, cotton, sesame, vegetables and fruit orchards. Cover the vegetables nurseries like chilli, okra and brinjal with plastic cover or polythene sheet.
- In **Sub-Himalayan West Bengal**, undertake harvesting of matured crops of cardamom, chilli (dalley khorsani) and matured fruits of kiwi and shift the produce to safer places to avoid losses. Drain out excess water from fields of rice, black gram, green gram, ginger, vegetables and fruit orchards. In **Gangetic West Bengal**, make provision to drain out excess water from the fields of rice, groundnut, vegetables and betel vine gardens.
- In **Jharkhand**, drain out excess water from fields of rice, maize, finger millet and pulse crops.

- In **Bihar**, make necessary arrangements to drain out excess water from fields of rice, maize and vegetables.
- In **East Uttar Pradesh**, harvest the matured maize and green gram crop immediately and keep the harvested produce at safer places to avoid losses. Make necessary arrangements to drain out excess water from fields of rice, maize, pulses and vegetables.
- In **Chhattisgarh**, drain out excess rain water from fields of rice, pigeon pea, black gram, maize and soybean.
- In **East Madhya Pradesh**, keep the harvested produce of maize and soybean at safer places to avoid losses. Make necessary arrangements to drain out excess water from fields of rice, soybean, maize and vegetables.
- In **Coastal Andhra Pradesh**, drain out excess rain water from fields of rice, maize, pigeon pea, black gram, cotton, sugarcane, groundnut, turmeric, vegetables and plantations of coconut, arecanut, banana, coffee and black pepper.
- In **Jammu & Kashmir**, harvest matured crops of rice, maize, green gram and kidney beans and store the harvested produce in safe places or cover them in the fields with tarpaulin sheets to avoid damage due to rainfall.
- In **Himachal Pradesh**, undertake harvesting of matured crops of rice, maize and vegetables and matured fruits of apple and pomegranate and shift the produce in safer places.
- In **Uttarakhand**, harvest matured finger millet, green gram, black gram, vegetables and fruits and keep the produce in safe places.
- In **Punjab**, undertake harvesting of matured maize crop and store the produce in safe places. Make provision to drain out excess water from fields of rice, maize, cotton, pigeon pea and vegetables.
- In **Haryana**, harvest matured crops of rice, green gram, black gram and cotton and shift the produce in safer places.
- In **Arunachal Pradesh**, harvest matured crops such as rice, maize, vegetables and finger millet and shift the produce to properly covered shelter to avoid losses. Avoid fresh sowing of field pea and transplanting of cabbage during heavy rainfall and ensure proper drainage in already sown / transplanted fields.
- In **Assam**, ensure proper drainage of excess water from fields of *Sali* rice, black gram, green gram and vegetables. Avoid sowing of cabbage and transplanting of cauliflower during heavy rainfall.

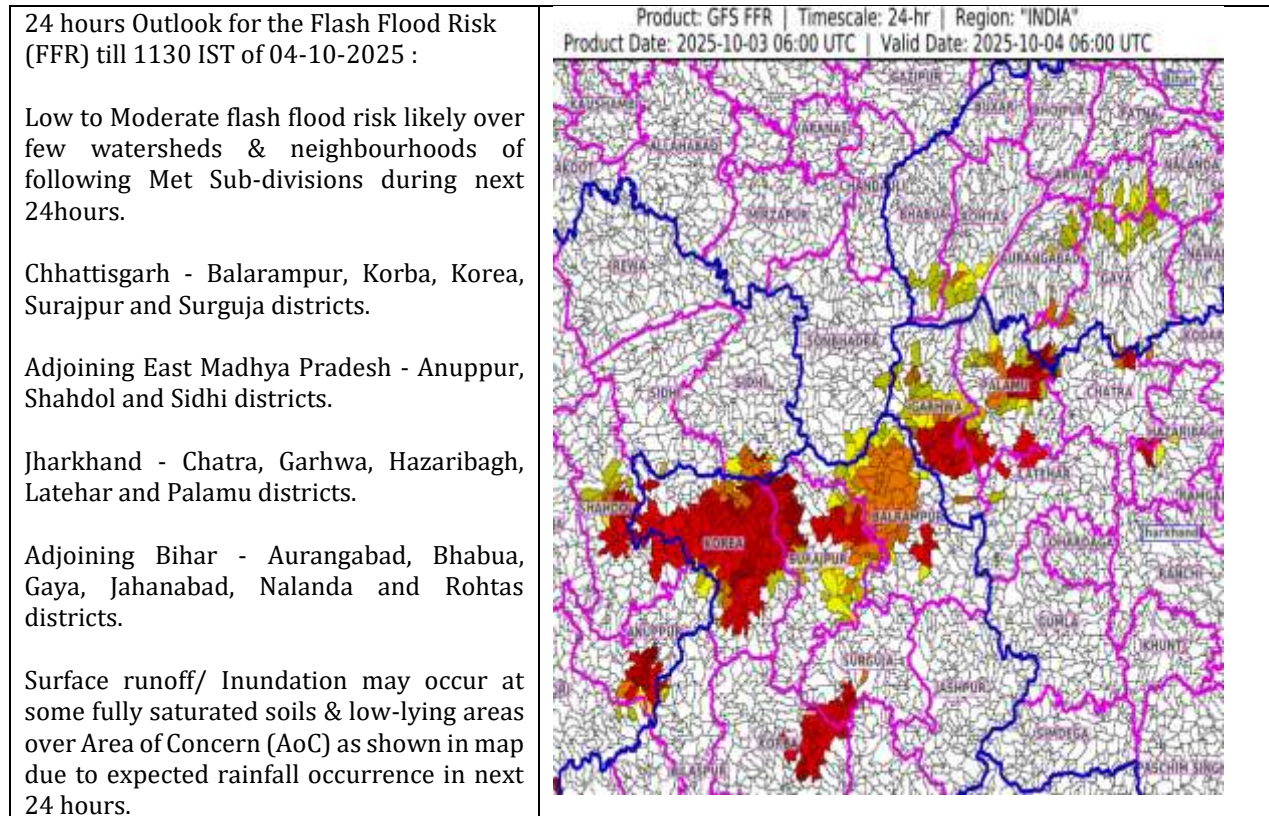
Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Flash Flood Guidance



Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **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.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह

2. अरुणाचल प्रदेश

3. असम और मेघालय

4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा

5. उप-हिमालयी पश्चिम बंगाल और सिक्किम

6. गंगीय पश्चिम बंगाल

7. ओडिशा

8. झारखंड

9. बिहार

10. पूर्वी उत्तर प्रदेश

11. पश्चिम उत्तर प्रदेश

12. उत्तराखंड

13. हरियाणा, चंडीगढ़ और दिल्ली

14. पंजाब

15. हिमाचल प्रदेश

16. जम्मू और कश्मीर और लद्दाख

17. पश्चिम राजस्थान

18. पूर्वी राजस्थान

19. पश्चिम मध्य प्रदेश

20. पूर्वी मध्य प्रदेश

21. गुजरात

22. सौराष्ट्र

23. कोंकण और गोवा

24. मध्य महाराष्ट्र

25. मराठवाड़ा

26. विदर्भ

27. छत्तीसगढ़

28. तटीय आंध्र प्रदेश और यनम

29. तेलंगाना

30. रायलसीमा

31. तमिलनाडु, पुडुचेरी और कराईकल

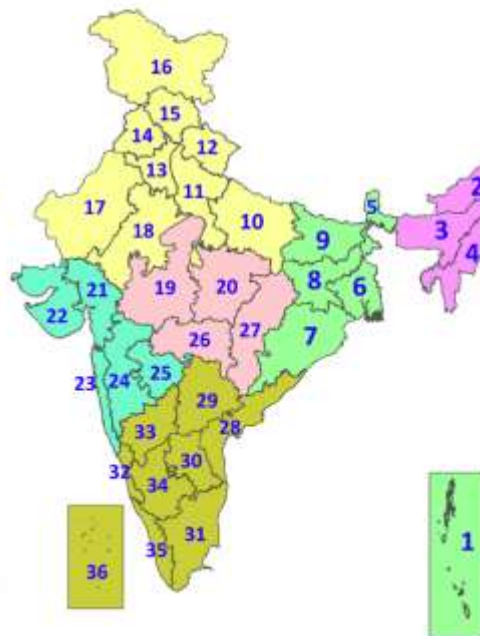
32. तटीय कर्नाटक

33. आंतरिक उत्तरी कर्नाटक

34. आंतरिक दक्षिणी कर्नाटक

35. केरल और माहे

36. लक्षद्वीप



1. Andaman & Nicobar Islands

2. Arunachal Pradesh

3. Assam & Meghalaya

4. Nagaland, Manipur, Mizoram & Tripura

5. Sub-Himalayan West Bengal & Sikkim

6. Gangetic West Bengal

7. Odisha

8. Jharkhand

9. Bihar

10. East Uttar Pradesh

11. West Uttar Pradesh

12. Uttarakhand

13. Haryana, Chandigarh & Delhi

14. Punjab

15. Himachal Pradesh

16. Jammu & Kashmir and Ladakh

17. West Rajasthan

18. East Rajasthan

19. West Madhya Pradesh

20. East Madhya Pradesh

21. Gujarat

22. Saurashtra

23. Konkan & Goa

24. Madhya Maharashtra

25. Marathwada

26. Vidarbha

27. Chhattisgarh

28. Coastal Andhra Pradesh & Yanam

29. Telangana

30. Rayalaseema

31. Tamilnadu, Puducherry & Karaikal

32. Coastal Karnataka

33. North Interior Karnataka

34. South Interior Karnataka

35. Kerala & Mahe

36. 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 Snow



Cold Wave



Heavy Rain



Dust Storm



Cold Day



Very Heavy Rain



Heat Wave



Ground Frost



Extremely Heavy Rain



Warm Night



Thunder & Lightning



Hot Day



Hailstorm



Hot & Humid



Dust Raising Winds



Strong Surface Winds

COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

Alert (Be Prepared To Take Action)

Warning (Take Action)

Probabilistic Forecast

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

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm *
Very Heavy: 115.6 to 204.4 mm/cm *
Extremely Heavy: > 204.4 mm/cm *

Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$.

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$.

Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.

Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.
(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$

Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres

Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)

Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.

Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)

Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-67 kmph

Very Severe: Wind speed > 67 kmph

Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre

Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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