



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 19th September 2026

Time of Issue: 1420 hours IST

Subject: (i) The Southwest monsoon has withdrawn from some parts of West Rajasthan today, the 19th September, 2026. Conditions are also favourable for further withdrawal from some more parts of Rajasthan and some parts of Punjab and Saurashtra & Kutch during next 3-4 days.

(ii) Low Pressure Area is likely to form over north Andaman Sea & neighbourhood in the evening of today, the 19th September. It is very likely to intensify into a depression over eastcentral Bay of Bengal on 21st and into a deep depression over westcentral Bay of Bengal on 22nd September 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 19th September, 2026:

- ❖ **Extremely Heavy rainfall (>20 cm)** has been recorded at isolated places over East Rajasthan
- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Sikkim.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Odisha, Madhya Pradesh, Saurashtra & Kutch, Tamil Nadu, Telangana.

Withdrawal of southwest Monsoon:

- ❖ The **Southwest monsoon** has withdrawn from some parts of West Rajasthan today, the 19th September, 2026 against the normal date of 17th September.
- ❖ The **line of withdrawal of southwest monsoon** passes through 27.0°N/68.0°E, Ramgarh, Mohangarh, Phalodi, Khajuwala and 29.5°N/71.5°E on 19th September. **(Annexure I)**
- ❖ **Conditions are favourable** for further withdrawal of Southwest Monsoon from some more parts of Rajasthan and some parts of Punjab and Saurashtra & Kutch during next 3-4 days.

Weather Systems, Forecast and Warnings (Annexure II & III):

- ❖ The **upper-air cyclonic circulation** over north Andaman Sea & neighbourhood persisted over the same region in middle tropospheric level at 0830 hrs IST of today, the 19th September, 2026. Under its influence, a Low Pressure area is very likely to form over the same region around evening of today, the 19th September, 2026. It is very likely to move west-northwestwards and intensify gradually into a depression over eastcentral Bay of Bengal on 21st and into a deep depression over westcentral Bay of Bengal on 22nd September. Continuing to move west-northwestwards, it is very likely to reach westcentral and adjoining northwest Bay of Bengal near south Odisha-north Andhra Pradesh coasts around morning of 23rd September.
- ❖ An **upper air cyclonic circulation** lies over West Madhya Pradesh & adjoining East Rajasthan in lower tropospheric level.
- ❖ A **trough** runs from northeast Uttar Pradesh to Northeast Arabian sea between lower and upper tropospheric levels.
- ❖ The **Western Disturbance** as a cyclonic circulation lay over northwest Uttar Pradesh & neighbourhood in lower tropospheric level with a trough aloft in middle tropospheric westerlies with its axis in middle tropospheric level roughly along Long. 78°E to the north of Lat. 26°N.
- ❖ An **upper air cyclonic circulation** lies over Tripura & neighbourhood in lower tropospheric level.
- ❖ An **East-West trough** runs from cyclonic circulation over north Andaman Sea & neighbourhood to North Coastal Andhra Pradesh in middle tropospheric level.
- ❖ A **North-South trough** runs from north Coastal Andhra Pradesh to Gulf of Mannar in lower tropospheric level.

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

Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 24th September; Himachal Pradesh during 19th-21st September; Uttarakhand during 19th-25th September.
- ❖ **Isolated to Scattered** rainfall likely over West Uttar Pradesh on 19th September and on 25th September; East Uttar Pradesh during 19th-20th September and during 23rd-25th September; West Rajasthan on 19th September; East Rajasthan during 19th-22nd September.
- ❖ Isolated **heavy rainfall** likely over East Rajasthan on 19th September.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh on 19th September; East Madhya Pradesh on 19th September and during 24th-25th September; Chhattisgarh and Vidarbha during 19th-25th September.
- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 20th-25th September; East Madhya Pradesh during 20th-23rd September.
- ❖ Isolated **thunderstorm & lightning** likely over Chhattisgarh during 19th-23rd September.
- ❖ Isolated **heavy rainfall** likely over East Madhya Pradesh and West Madhya Pradesh during 24th-25th September; Vidarbha on 23rd September and on 25th September; Chhattisgarh on 22nd September with isolated **very heavy rainfall** also likely over Vidarbha on 24th September; Chhattisgarh during 23rd-25th September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Gangetic West Bengal during 19th-25th September; Odisha and Sub-Himalayan West Bengal & Sikkim during 22nd-25th September; Jharkhand during 23rd-25th September; Bihar during 24th-25th September.
- ❖ **Isolated to Scattered** rainfall likely over Odisha and Sub-Himalayan West Bengal & Sikkim during 19th-21st September; Jharkhand during 19th-22nd September; Bihar during 19th-23rd September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 19th-25th September; Gangetic West Bengal during 23rd-25th September; Jharkhand during 22nd-25th September; Bihar on 19th September and during 22nd-23rd September; Odisha during 19th-22nd September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 19th September and during 23rd-25th September; Gangetic West Bengal during 19th-22nd September; Jharkhand during 19th-21st September; Bihar during 24th-25th September.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 20th-21st September; Bihar and Sub-Himalayan West Bengal & Sikkim during 24th-25th September; Gangetic West Bengal during 22nd-25th September; Jharkhand during 23rd-25th September; Odisha during 23rd-24th September with isolated **very heavy rainfall** also likely over Andaman & Nicobar Islands on 19th September; Odisha on 22nd September and on 25th September.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Odisha on 23rd September.
- ❖ **Isolated extremely rainfall** likely over Odisha on 23rd and 24th September.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 19th-25th September; Assam & Meghalaya during 19th-23rd September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Assam & Meghalaya during 24th-25th September.
- ❖ Isolated **thunderstorm & lightning** likely over Assam & Meghalaya during 19th-20th September; Nagaland, Manipur, Mizoram & Tripura during 19th-22nd.
- ❖ Isolated **heavy rainfall** likely over Assam & Meghalaya during 23rd-25th September; Nagaland, Manipur, Mizoram & Tripura during 22nd-24th September and Arunachal Pradesh on 25th September.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa on 19th September; Madhya Maharashtra on 19th September and during 24th-25th September; Marathawada during 19th-20th September and during 22nd-25th September; Gujarat Region and Saurashtra & Kutch during 20th-25th September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 20th-25th September; Madhya Maharashtra during 20th-23rd September; Marathawada on 21st September; Gujarat Region and Saurashtra & Kutch on 19th September.

- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa on 19th September and during 22nd-23rd September; Madhya Maharashtra during 20th-23rd September; Marathwada during 21st-22nd September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Konkan & Goa during 20th-21st September; Gujarat Region and Madhya Maharashtra on 19th September; Marathwada during 19th-20th September.
- ❖ Isolated **heavy rainfall** likely over Konkan & Goa on 19th September and during 22nd-23rd September; Madhya Maharashtra during 21st-23rd September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 19th-25th September; Coastal Karnataka, North Interior Karnataka and Telangana on 19th September; Coastal Andhra Pradesh & Yanam on 20th September and during 23rd-25th September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe, Lakshadweep and South Interior Karnataka during 19th-25th September; Coastal Karnataka, North Interior Karnataka and Telangana during 20th-25th September; Coastal Andhra Pradesh & Yanam on 19th September and during 21st-22nd September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 19th-22nd September; Coastal Karnataka and South Interior Karnataka during 20th-23rd September; Coastal Andhra Pradesh & Yanam during 19th-20th September and on 23rd September; Rayalaseema during 19th-23rd September; Telangana on 23rd September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka during 24th-25th September; North Interior Karnataka during 19th-25th September; South Interior Karnataka on 19th September and during 24th-25th September; Telangana during 19th-22nd September.
- ❖ Isolated **thunderstorm & lightning** likely over Kerala & Mahe and Lakshadweep during 19th-21st September.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal and Telangana during 19th-21st September; Kerala & Mahe during 19th-21st September and during 24th-25th September; Coastal Karnataka and North Interior Karnataka during 20th-25th September; South Interior Karnataka during 19th-25th September; Coastal Andhra Pradesh & Yanam during 19th-21st September and on 25th September; Rayalaseema on 19th September with isolated **very heavy rainfall** also likely over Coastal Andhra Pradesh & Yanam during 22nd-24th September; Telangana during 22nd-25th September.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam during 21st-22nd September; Telangana during 24th-25th September.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-23rd September; Telangana during 19th-22nd September.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Kerala & Mahe on 19th September.

Wind warning:

- ❖ Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely over Andaman Sea on 19th September and over Eastcentral and adjoining Andaman Sea on 20th September.
- ❖ It is very likely to increase reaching 45-55 kmph gusting to 65 kmph over Eastcentral and adjoining northeast Bay of Bengal on 21st and becoming 50-60 kmph gusting to 70 kmph over Central Bay of Bengal and 40-50 kmph gusting to 60 kmph adjoining areas of north and south Bay of Bengal on 22nd September.
- ❖ Increasing further is likely to become 55-65 kmph gusting to 75 kmph over Westcentral and adjoining Northwest Bay of Bengal on 23rd September and prevail till 24th evening.
- ❖ Squally wind with speed reaching 55-65 kmph is likely along & off south Odisha- north Andhra Pradesh coasts on 23rd and likely to prevail till 24th September evening.
- ❖ Squally wind with speed reaching 40-50 kmph gusting to 60 kmph is likely along & off West Bengal and south Andhra Pradesh coasts from 23rd to 24th September.

Sea condition:

- ❖ Sea condition is very likely to be rough Andaman Sea on 19th, over Eastcentral & adjoining Andaman Sea on 20th becoming rough to very rough over east central and adjoining Northeast Bay of Bengal on 21st, over central Bay of Bengal on 22nd and over Westcentral and adjoining northwest Bay of Bengal and along & off north Andhra Pradesh-Odisha-West Bengal coasts till 24th September.

Fishermen Warning:

- ❖ **Bay of Bengal:** Fishermen are advised not to venture into Andaman Sea from today, the 19th September till 21st September. Eastcentral and adjoining northeast Bay of Bengal from 20th till 22nd September. Westcentral & adjoining northwest Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal coasts from 22nd till 24th September. The fishermen are advised to return to coasts by 21st evening.

- ❖ **Arabian Sea:** Along and off Somalia coasts, few parts of southwest Arabian Sea till 23rd September; few parts of westcentral Arabian Sea on 18th September.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure IV)

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/fishermenwarning.php>

Highest rainfall recorded (≥ 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **East Rajasthan:** Banswara 21
- ❖ **Sikkim:** Yuksom 13
- ❖ **Odisha:** Baripada 7
- ❖ **West Madhya Pradesh:** Lateri (Vidisha) 11
- ❖ **East Madhya Pradesh:** Umreth (Chhindwara) 9
- ❖ **Saurashtra & Kutch:** Gir Somnath (Gir Gadhada) 8
- ❖ **Tamil Nadu:** Ranipet 7
- ❖ **Telangana:** Hanswada(Mahabubnagar) 9

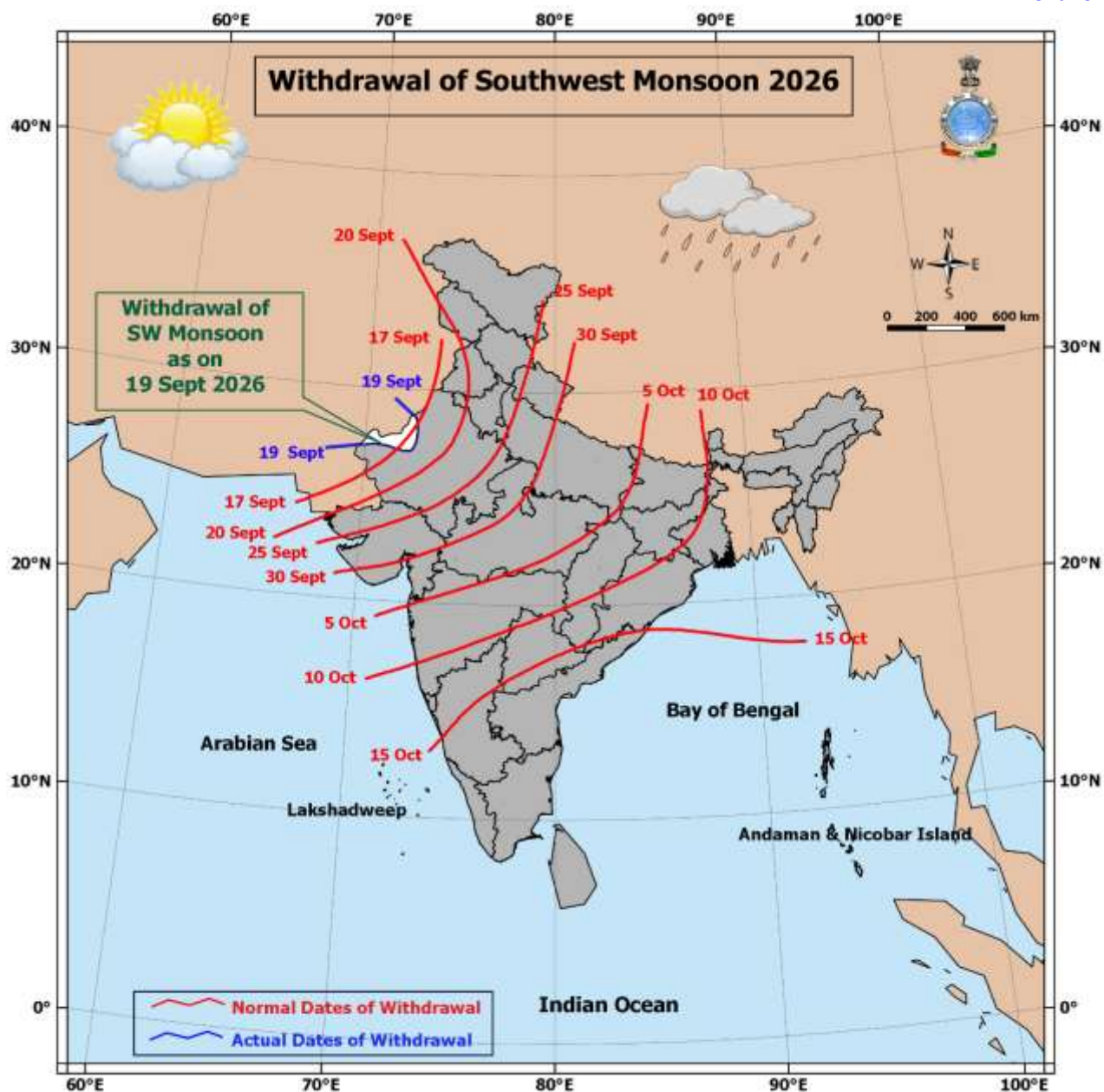
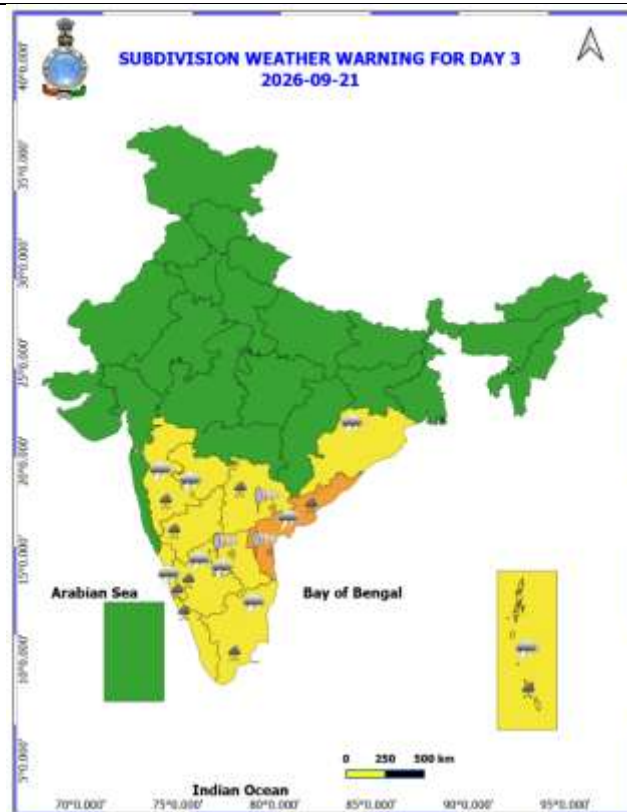
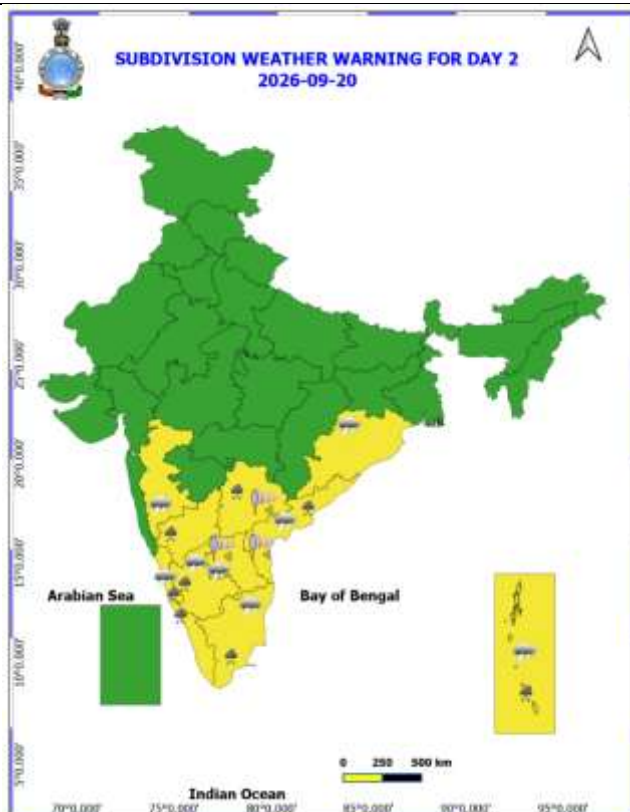
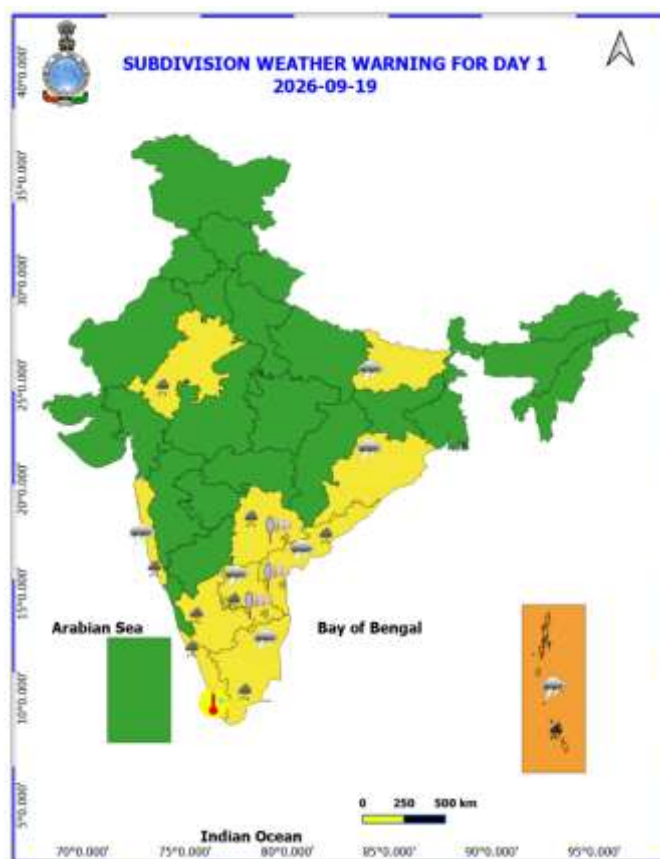
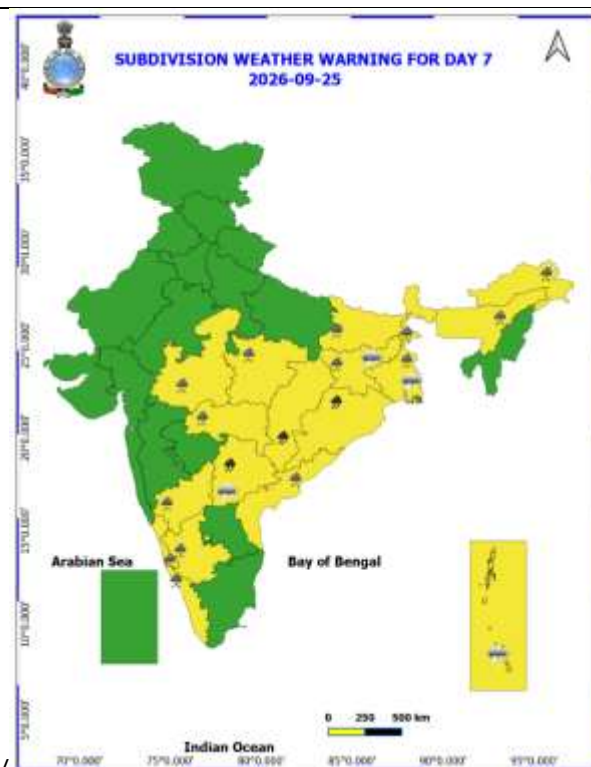
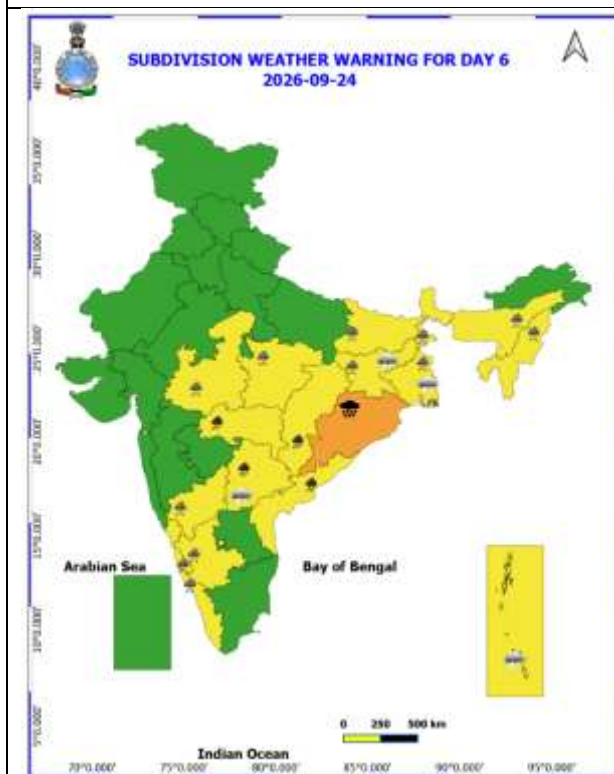
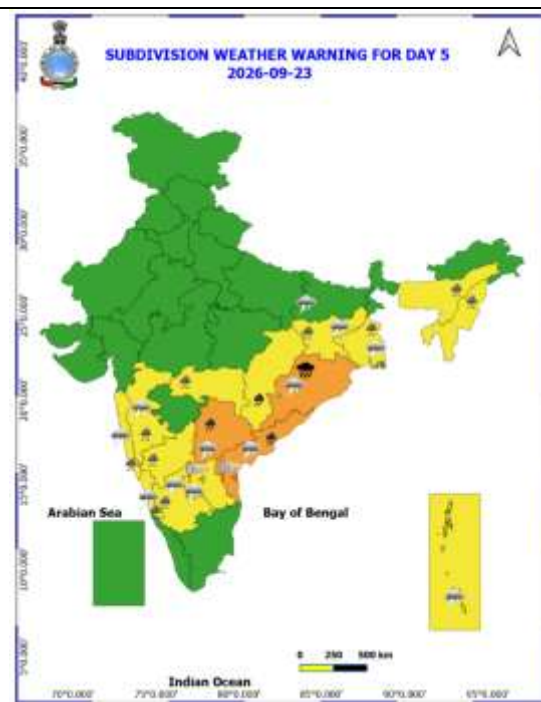
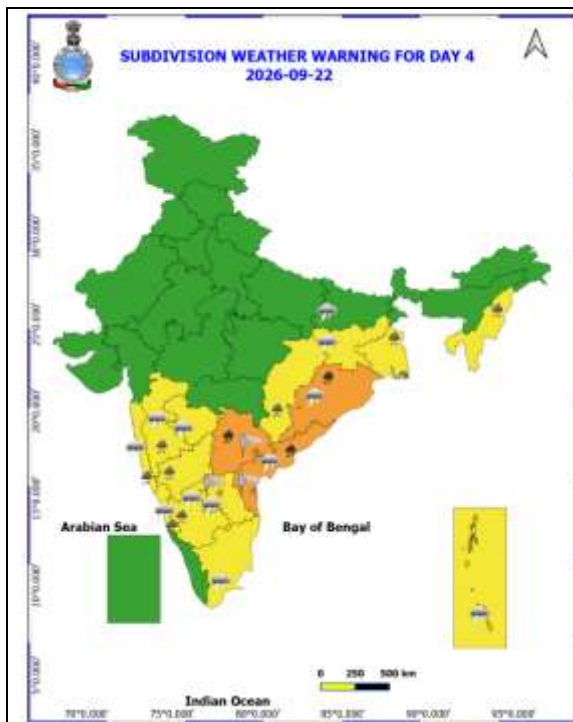


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	19- Sep	20- Sep	21- Sep	22- Sep	23- Sep	24- Sep	25- Sep
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WFS	WFS	WFS	WFS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	ISOL	ISOL	ISOL	SCT	SCT	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	SCT	ISOL	SCT	SCT	SCT	ISOL
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	SCT	SCT	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	FWS	FWS	WFS	WFS	WFS
7	ODISHA	SCT	SCT	SCT	FWS	WFS	WFS	WFS
8	JHARKHAND	SCT	SCT	SCT	SCT	FWS	WFS	WFS
9	BIHAR	ISOL	ISOL	ISOL	SCT	SCT	FWS	FWS
10	EAST UTTAR PRADESH	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
12	UTTARAKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	FWS	SCT	SCT	SCT	SCT	FWS	FWS
21	GUJRAT REGION	FWS	SCT	SCT	SCT	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	SCT	FWS	WFS	WFS	WFS	FWS	FWS
24	MADHYA MAHARASHTRA	SCT	FWS	FWS	FWS	FWS	SCT	SCT
25	MARATHWADA	ISOL	SCT	FWS	SCT	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	FWS	FWS	FWS	WFS	WFS	WFS
27	CHHATTISGARH	FWS	FWS	WFS	WFS	WFS	WFS	WFS
28	COASTAL ANDHRA PRADESH	FWS	SCT	FWS	FWS	SCT	ISOL	ISOL
29	TELANGANA	SCT	FWS	FWS	WFS	WFS	WFS	WFS
30	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	FWS	WFS	WFS	WFS	WFS	FWS
33	NORTH INTERIOR KARNATAKA	SCT	WFS	WFS	WFS	WFS	WFS	FWS
34	SOUTH INTERIOR KARNATAKA	FWS	WFS	WFS	WFS	WFS	FWS	FWS
35	KERALA AND MAHE	WFS	WFS	WFS	FWS	FWS	WFS	WFS
36	LAKSHADWEEP	WFS	WFS	WFS	FWS	FWS	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 district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 19th -22nd September 2026**Past Weather:**

There has been no large change in maximum and minimum temperatures over Delhi during the past 24 hours. The maximum temperatures were around 33-34°C and the minimum temperatures are in the range 22-25°C respectively during past 24 hours over Delhi. The minimum temperatures are above normal (1.6 to 3.0°C) at isolated places, below normal (-1.6 to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were above normal (1.6 to 3.0°C) at isolated places, below normal (-1.6 to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over most parts of Delhi. Partly cloudy sky with surface wind speed 16 kmph from the northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 12 kmph from the west direction likely to prevail during forenoon over the region today.

Weather Forecast:

19.09.2026: Partly cloudy sky. The maximum temperatures over Delhi are likely to be in the range of 33-35°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

20.09.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 23°C to 25°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northeast direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the north direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northeast direction during evening and night hours.

21.09.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 24°C to 26°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northeast direction with wind speed reaching up to 12 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the north direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northeast direction during evening and night hours.

22.09.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 23°C to 25°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 12 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northeast direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ **Isolated extremely rainfall likely over Odisha on 23rd and 24th September.**
- ❖ **Isolated very heavy rainfall also likely over** Andaman & Nicobar Islands on 19th September; Odisha on 22nd September and on 25th September; over Vidarbha on 24th September; Chhattisgarh during 23rd-25th September; over Coastal Andhra Pradesh & Yanam during 22nd-24th September; Telangana during 22nd-25th September.

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Agromet advisories for likely impact of Heavy Rainfall

- In **Andaman & Nicobar**, ensure proper drainage to avoid waterlogging in banana, particularly in mature and fruit-bearing plants. Provide support to banana and other tall crops, wherever necessary, to minimize damage from strong winds.
- In **East Rajasthan**, drain out excess rain water in standing crop fields to avoid waterlogging. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.
- In **Tamil Nadu**, keep the harvested produce of paddy at safe places. Drain out excess water from rice, sorghum, maize, black gram and vegetable fields. Undertake propping in sugarcane and provide adequate support to banana, papaya and moringa, to prevent from lodging.
- In **Keralam**, ensure proper drainage in rice, spice plantations, vegetables and orchards to avoid water stagnation in the field. Provide mechanical support to banana plants and staking to vegetable pandals to prevent lodging
- In **Andhara Pradesh**, harvest the matured maize and keep the produce at safe place. Drain out excess water from rice, unharvested maize, ragi, groundnut, red gram, sugarcane, vegetables and orchards. Provide immediate strong propping/bamboo support to banana fruit bearing plants to prevent lodging and bunch damage due to high winds and rain. Undertake propping in sugarcane.
- In **Telangana**, ensure proper drainage in rice, cotton, green gram, black gram, redgram, vegetables and orchards to avoid water stagnation.
- In **Karnataka**, harvest matured green gram, black gram & soybean and sift the hgarvested produce at safe places. Ensure proper drainage in standing crop fields to avoid waterlogging.
- In **Odisha**, make necessary arrangements to drain excess water from rice, maize, millets, ginger, turmeric, vegetables, pulses and orchards.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface 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.

Livestock / Poultry / Fisheries

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

Legends & abbreviations:

Heavy Rain:64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **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.

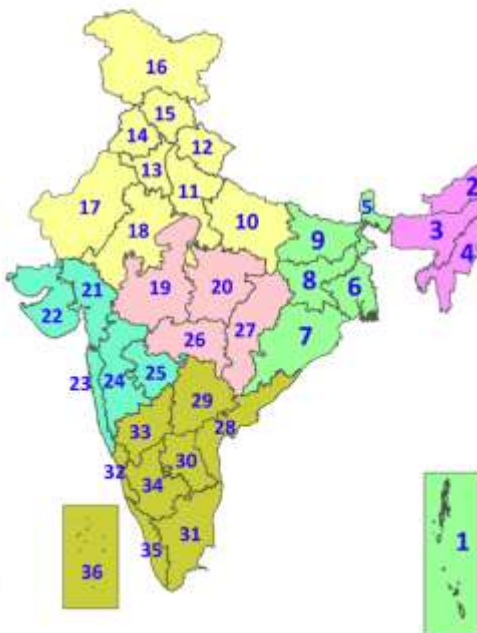
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

West India: Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (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 62-87 kmph Very Severe: Wind speed > 87 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 118-185 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90-119 knots) Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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