2026-10-19
Time of Issue: 08:16:00 hours IST (Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems and Warnings:

South Peninsular India:

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

Northwest, Central, East & Northeast India:

- No significant weather likely over Northwest, Central, East, West & Northeast India during the week.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, Coastal Karnataka and South Interior Karnataka; **at many places** over West Madhya Pradesh, East Madhya Pradesh, Gangetic West Bengal, Konkan & Goa , Odisha, Tamilnadu Puducherry & Karaikal, Kerala & Mahe and Lakshadweep ; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **West Madhya Pradesh**: Guna (dist Guna) 12; **Gangetic West Bengal**: Digha (dist North 24 Parganas) 2; **Coastal Andhra Pradesh & Yanam**: Visakhapatnam, Vishakhapatnam (dist Visakhapatnam) 1 Each; **Konkan & Goa** : Ratnagiri (dist Ratnagiri) 1; **North Interior Karnataka**: Gadag (dist Gadag) 1; **Odisha**: Puri (dist Puri) 1.

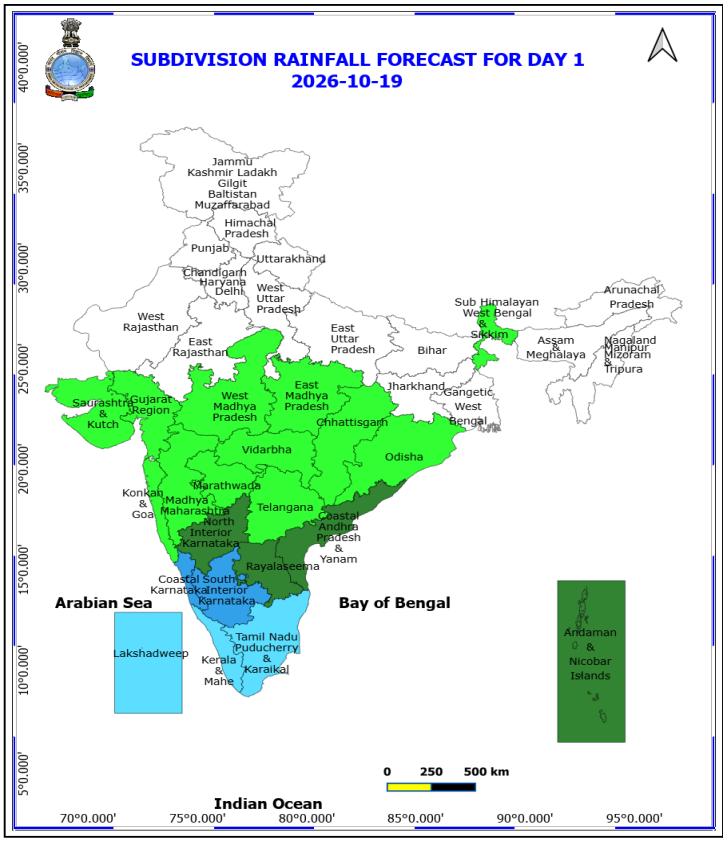
❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today):**Heavy to very heavy rain** at isolated places over West Madhya Pradesh

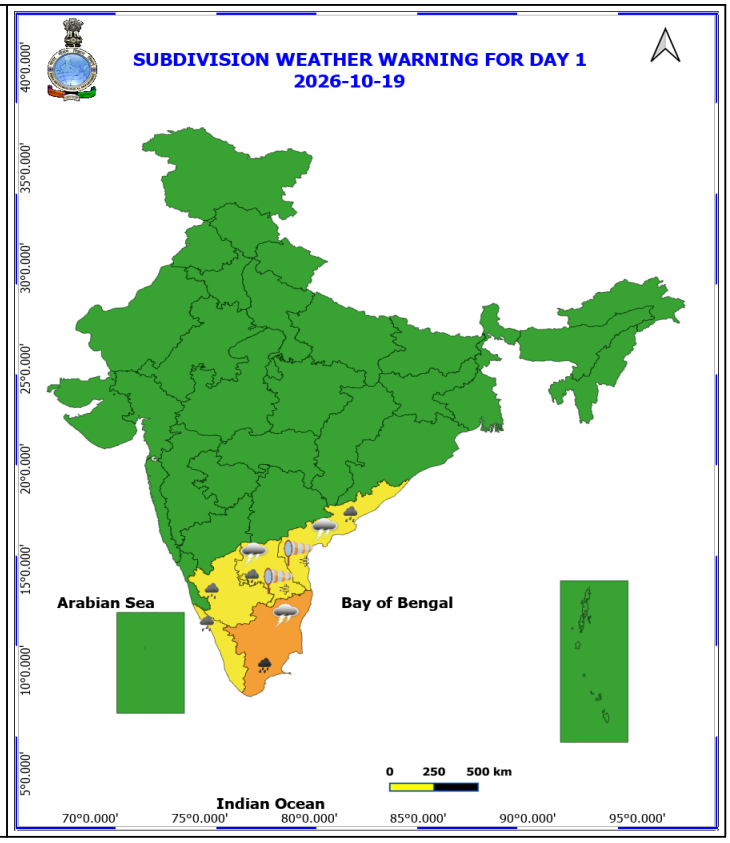
❖ **Minimum Temperature Departures (as on 18-10-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, West Rajasthan, East Rajasthan, West Madhya Pradesh and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Vidarbha and Chhattisgarh; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, West Uttar Pradesh, East Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Telangana and North Interior Karnataka. **above normal(1.6°C to 3.0°C)** at many places over West Rajasthan and Lakshadweep; at most places over Gujarat Region and Marathwada; at few places over Andaman & Nicobar Islands, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Vidarbha and Rayalaseema; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Sub Himalayan West Bengal & Sikkim, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Konkan & Goa, Chhattisgarh, Rayalaseema and North Interior Karnataka; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Uttarakhand, Haryana-Chandigarh-Delhi, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, Saurashtra & Kutch, Vidarbha, Telangana and Lakshadweep; at isolated places over East Rajasthan, West Madhya Pradesh, Madhya Maharashtra and Marathwada. **The lowest minimum temperature** of 14.3°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 18-10-2026): markedly above normal(> 5.1°C)** at isolated places over Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at many places over Marathwada and Lakshadweep; at few places over Madhya Maharashtra and Telangana; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Saurashtra & Kutch, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at many places over Jharkhand; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Odisha, Uttarakhand, Gujarat Region and Chhattisgarh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh and Konkan & Goa. **near normal(-1.5°C to 1.5°C)** at many places over East Uttar Pradesh, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and South Interior Karnataka; at most places over Punjab, Himachal Pradesh and West Rajasthan; at few places over Haryana-Chandigarh-Delhi and Coastal Andhra Pradesh & Yanam. **The highest maximum temperature** of 39.9°C was reported at RAJKOT (A) (GUJARAT).

Meteorological Analysis (Based on 0530 hours IST)

- The **upper air cyclonic circulation** over Westcentral Bay of Bengal & adjoining south Andhra Pradesh and Tamil Nadu coasts lay over Southwest Bay of Bengal & adjoining north Tamilnadu coasts and extends upto 5.8 km above mean sea level.
- A **trough** runs from the above cyclonic circulation over Southwest Bay of Bengal & adjoining north Tamilnadu coasts to Northwest Bay of Bengal extending upto 1.5 km above mean sea level
- The **upper air cyclonic circulation** over North Interior Karnataka & neighbourhood at 0.9 km above mean sea level persists.
- The **Well marked low pressure area** over southwest Arabian Sea moved slowly eastwards and persisted over the same region at 0530 hrs IST of today, the 19th October, 2026. The associated cyclonic circulation extends upto 9.6 km above mean sea level. It is likely to intensify into a depression over the same region during next 24 hours. It is likely to move initially east-northeastwards, recurve gradually northwestwards and move towards Somalia coast during next 2-3 days.
- The **Western Disturbance** as a **cyclonic circulation** over Himachal Pradesh & adjoining Punjab at 3.1 km above mean sea level with a trough aloft in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 70°E to the North of Lat. 32°N persists.
- The **upper air cyclonic circulation**over south Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **trough** from Southwest Rajasthan to Northeast Arabian sea at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over Gulf of Thailand & neighbourhood persists and now extending upto 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over southeast Bangladesh and adjoining Tripura at 1.5 km above mean sea level.
- The **trough** from Lakshadweep to Westcentral Bay of Bengal across Karnataka, south Andhra Pradesh between 1.5 & 3.1 km above mean sea level has become less marked.

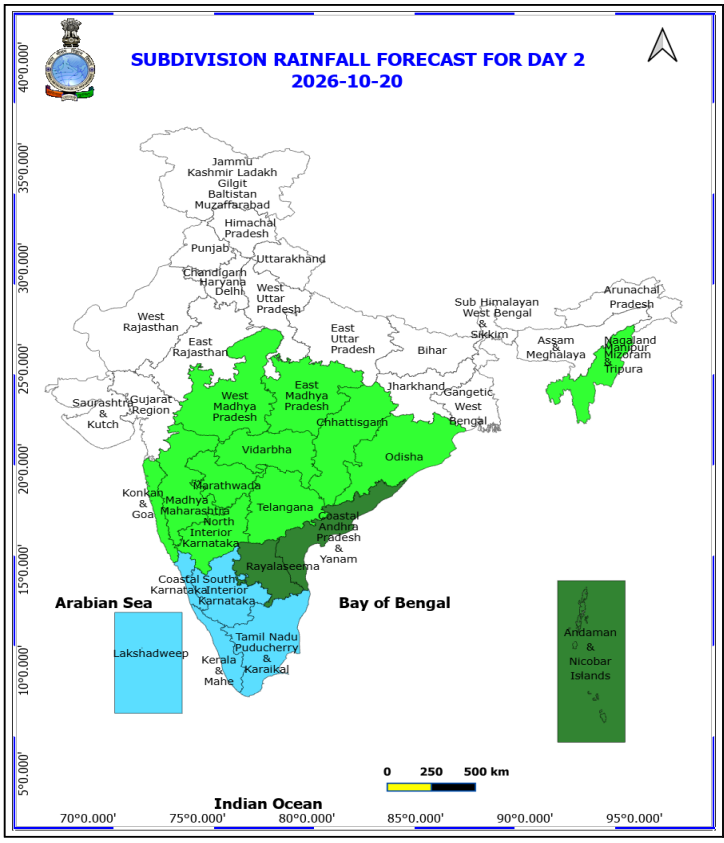


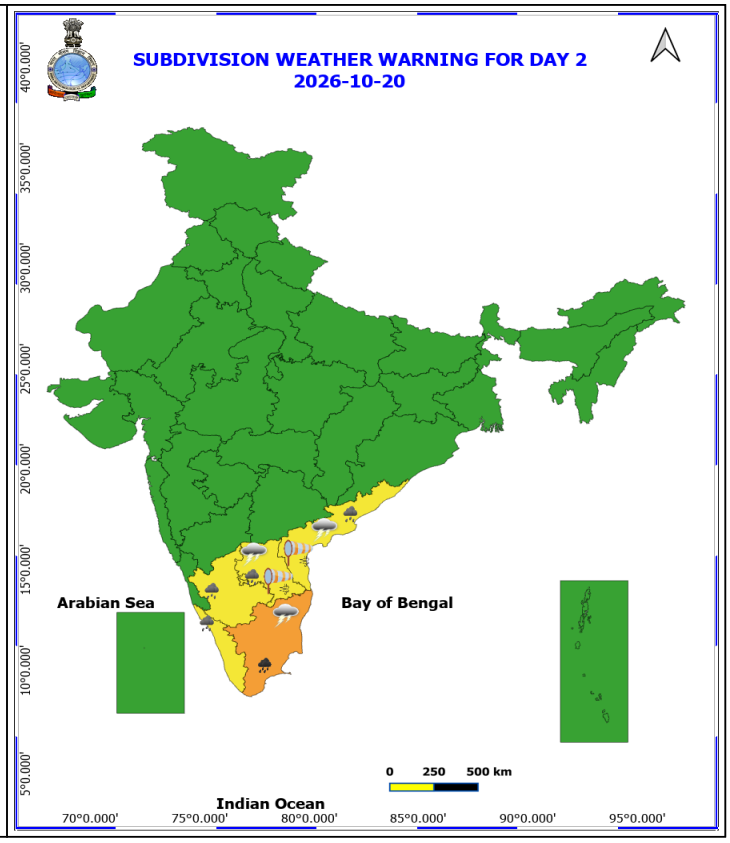


19 October (Day 1)

- **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and South Interior Karnataka.
- **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Interior Karnataka, Kerala & Mahe, Lakshadweep, Telangana and West Madhya Pradesh.
- **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, East Madhya Pradesh, Konkan & Goa and Maharashtra.
- **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

No Fishermen Warning

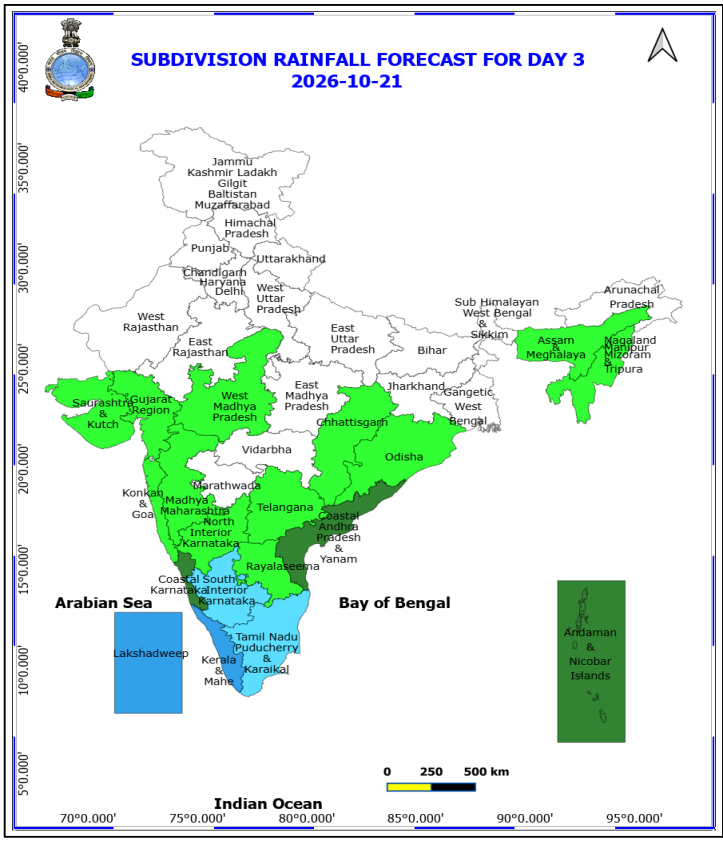


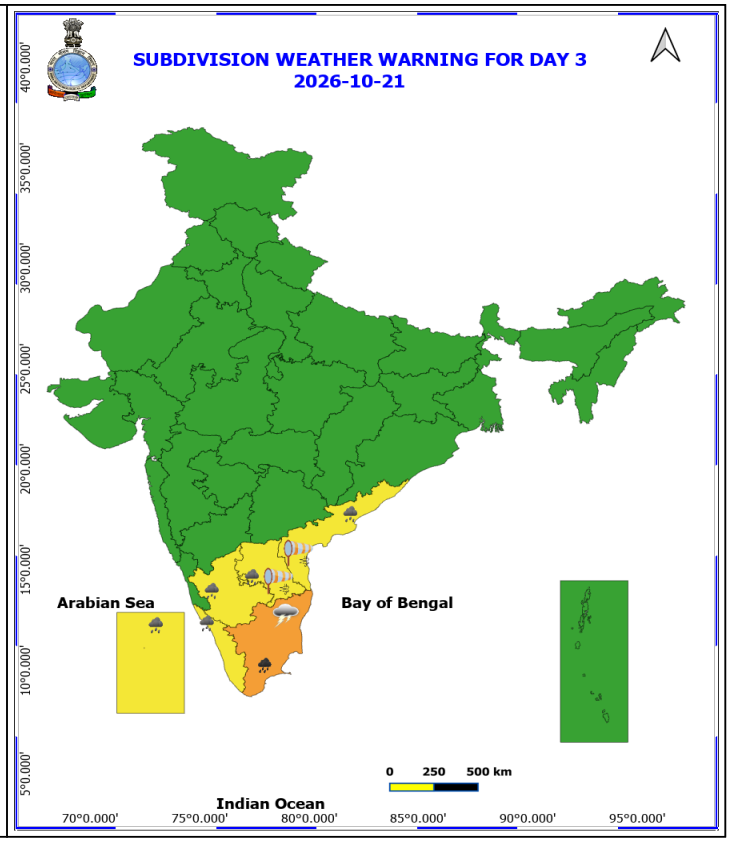


20 October (Day 2)

- **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and South Interior Karnataka.
- **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka, Kerala & Mahe, Lakshadweep, Telangana and West Madhya Pradesh.
- **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Madhya Maharashtra and Vidarbha.
- **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

Squally weather with wind speed 35-45 kmph gusting to 55 kmph is likely to prevail southwest Arabian sea adjoining northwest **Equatorial Indian Ocean**.





21 October (Day 3)

❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.

❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, Lakshadweep and South Interior Karnataka.

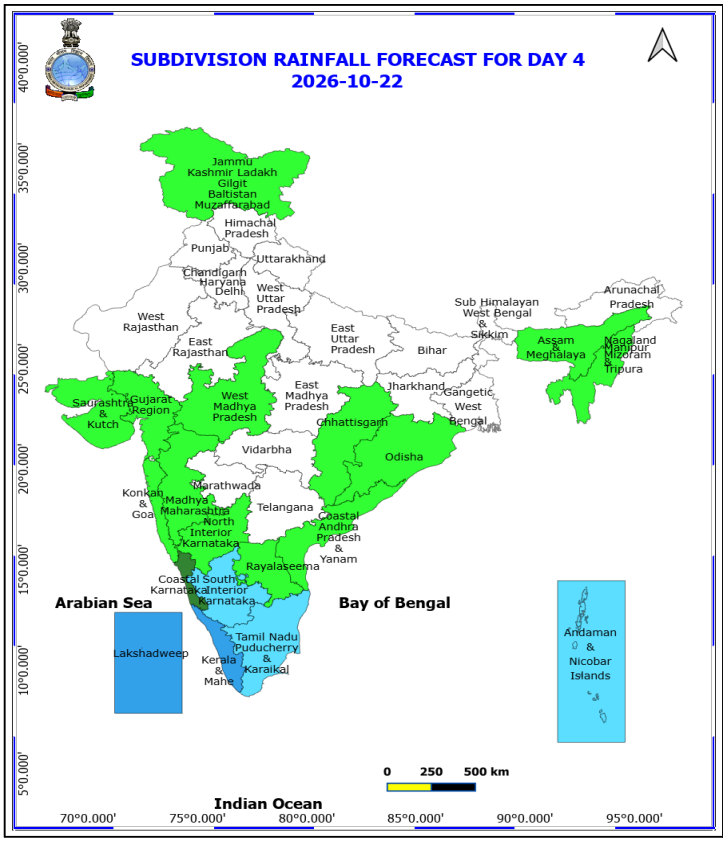
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.

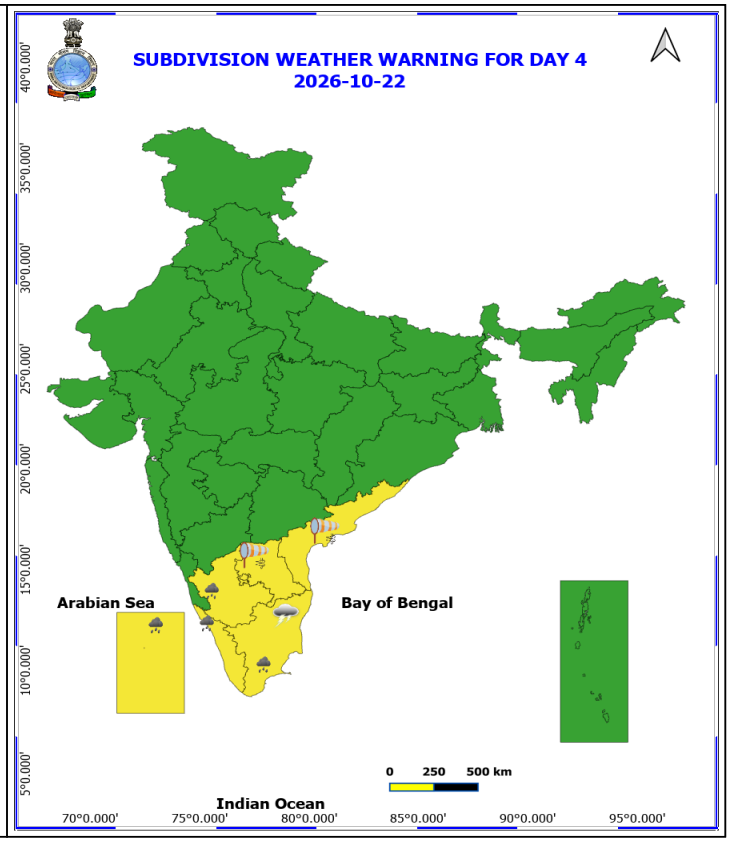
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Telangana and West Madhya Pradesh.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Kerala & Mahe and Lakshadweep.

❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

Squally weather with wind speed 35-45 kmph gusting to 55 kmph is likely to prevail southwest Arabian sea.





22 October (Day 4)

❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

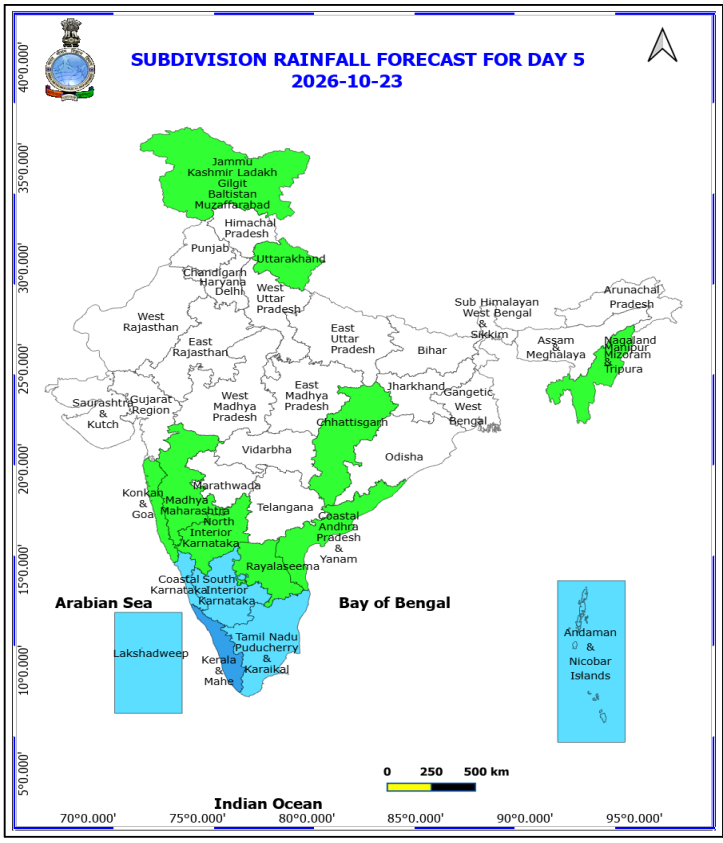
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

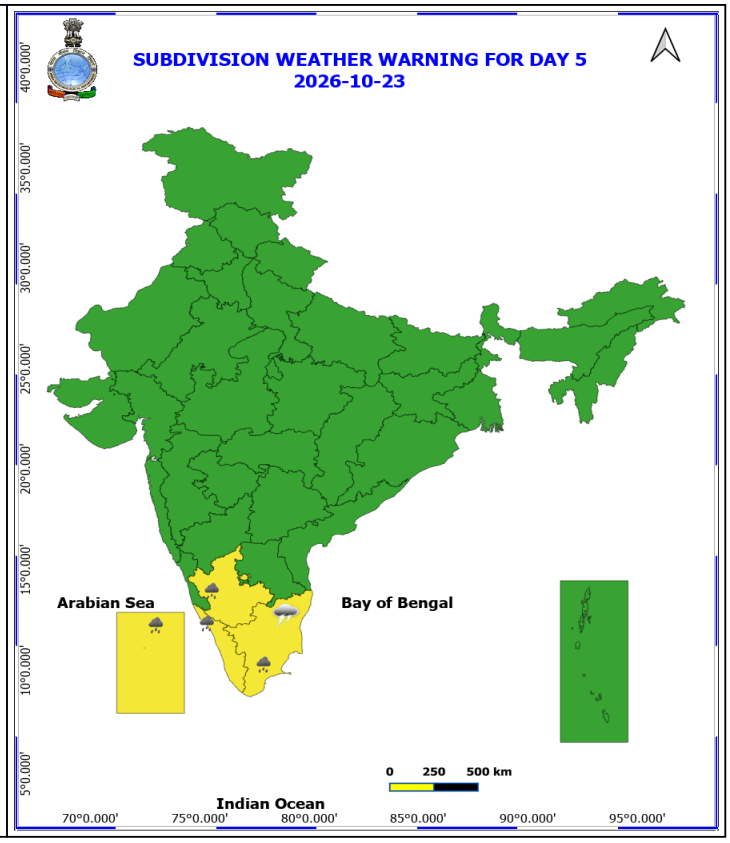
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh and West Madhya Pradesh.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Kerala & Mahe and Lakshadweep.

❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

Squally weather with wind speed 35-45 kmph gusting to 55 kmph is likely to prevail southwest adjoining westcentral Arabian sea.



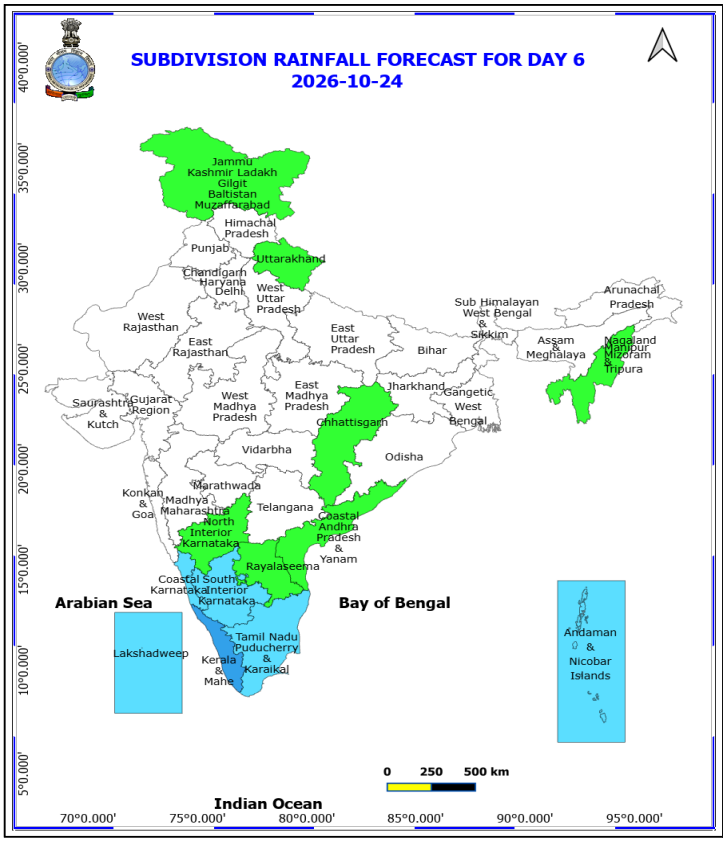


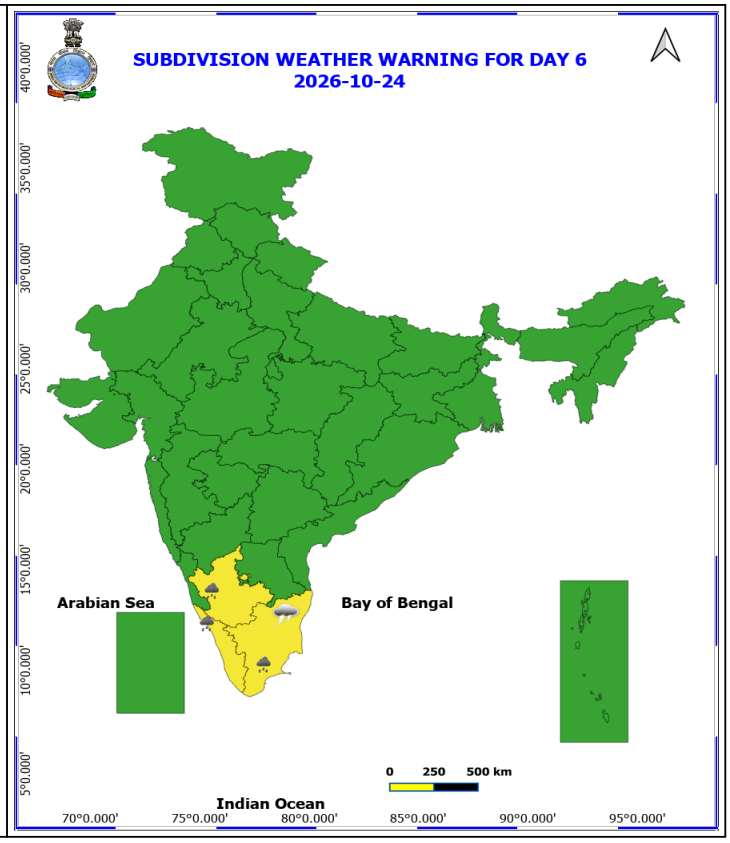
23 October (Day 5)

❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

No Fishermen Warning



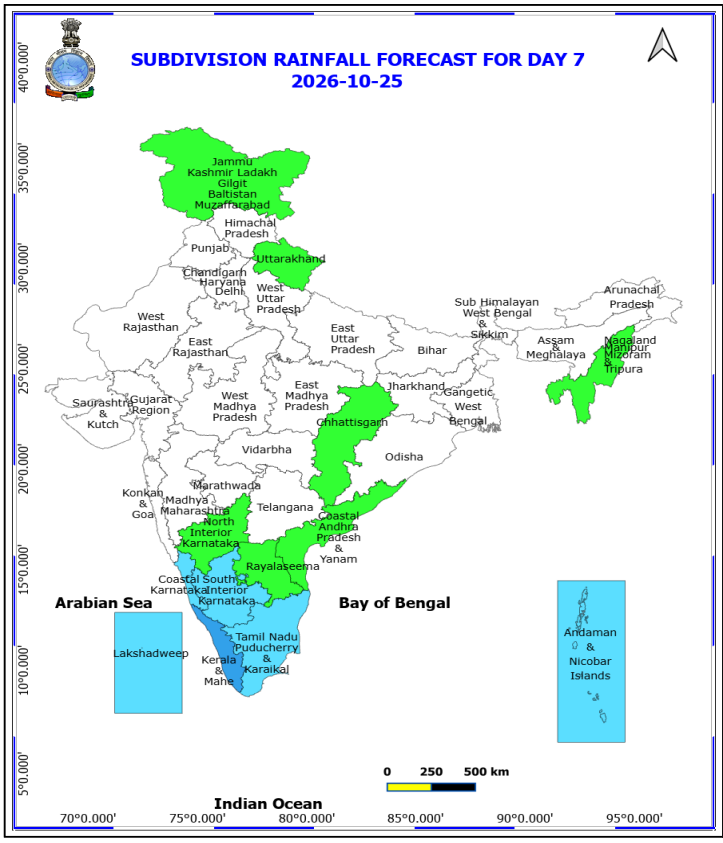


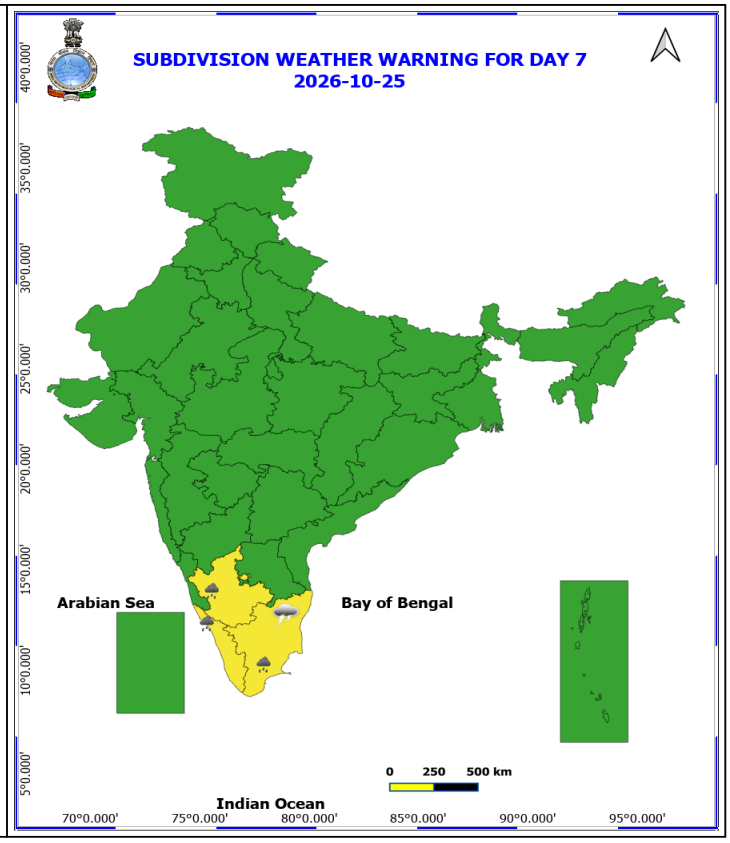
24 October (Day 6)

❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

No Fishermen Warning





25 October (Day 7)

❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

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Table-1

7 Days Rainfall Forecast

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

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

*Red color warning does not mean "Red Alert" Red color 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)

Fig. 1: Maximum Temperatures Dated 2026-10-18

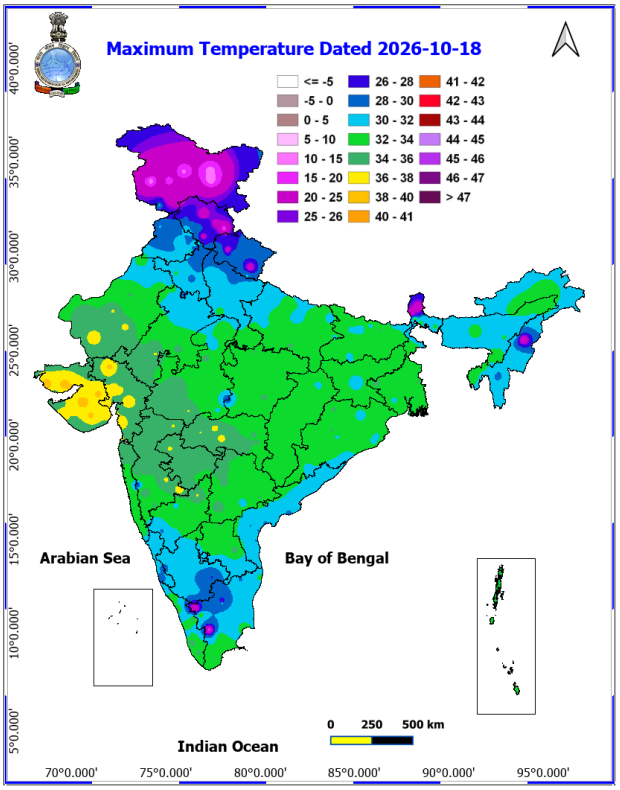


Fig. 2: Departure of Maximum Temp. Dated 2026-10-18

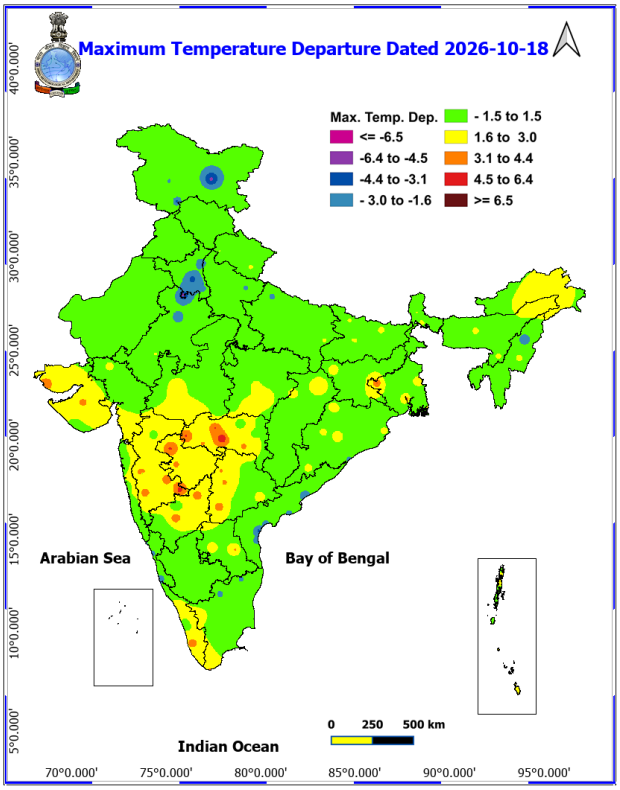


Fig. 3: Minimum Temperatures Dated 2026-10-18

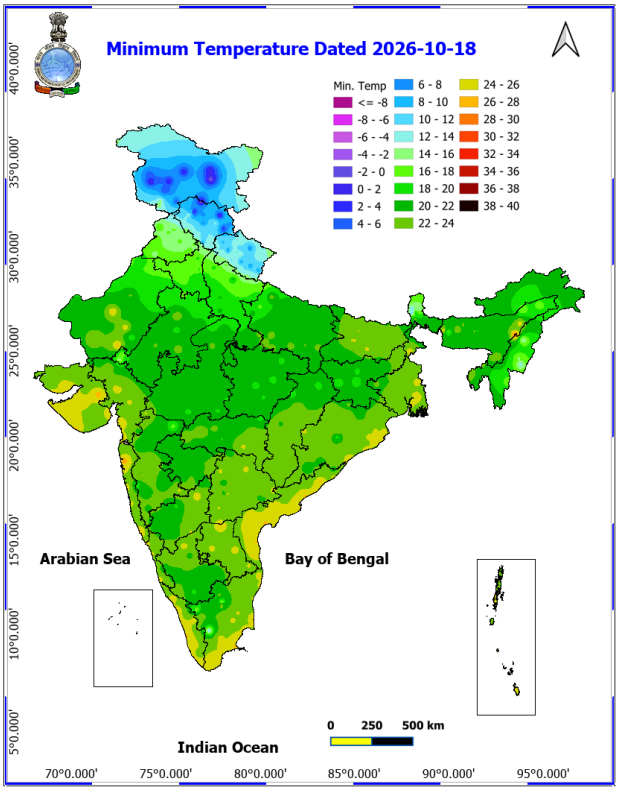
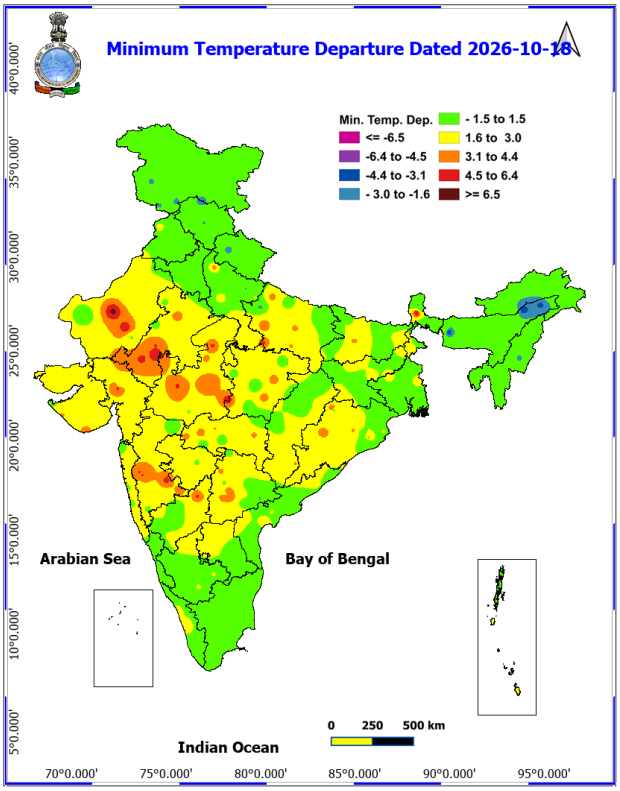
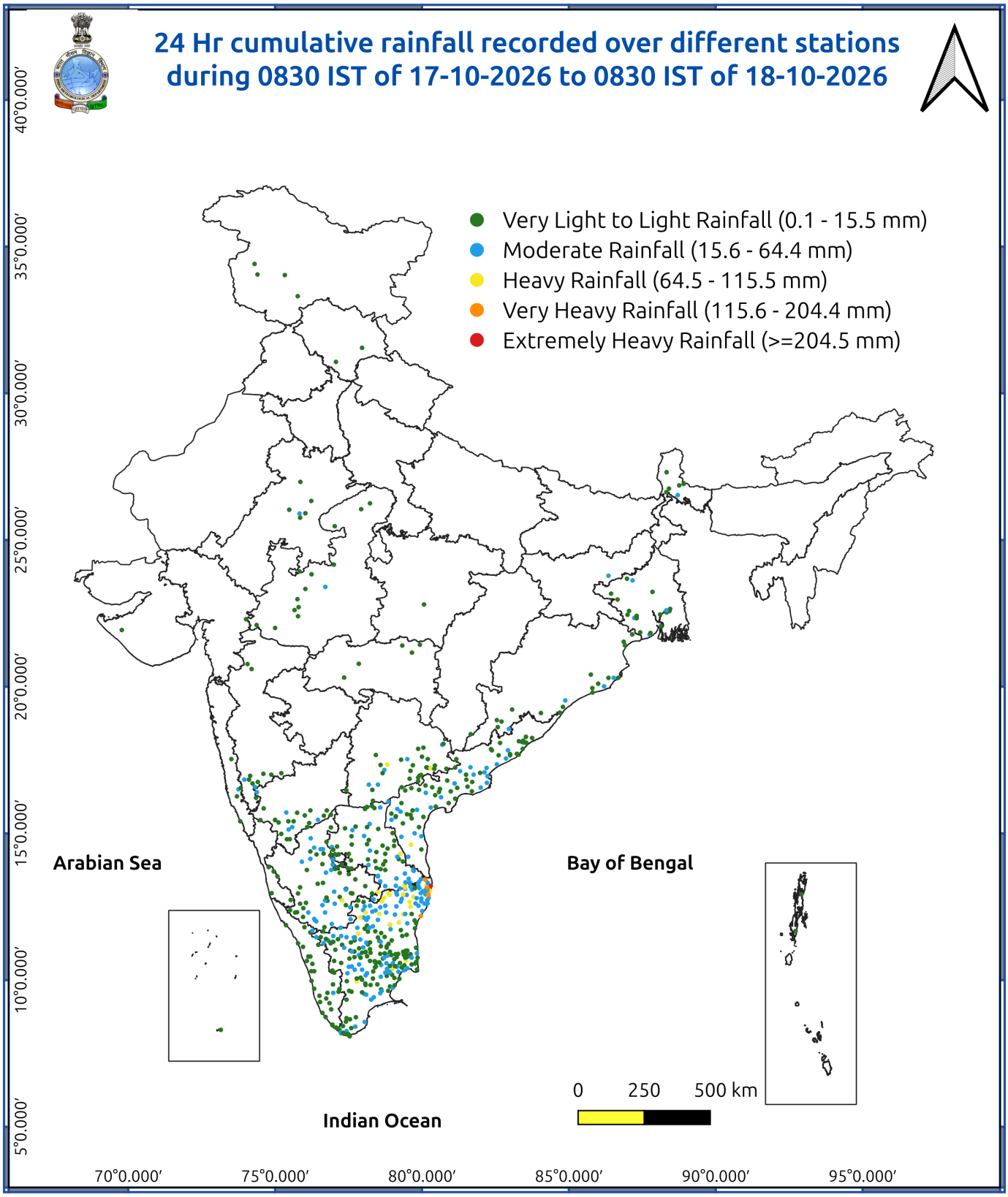


Fig. 4: Departure of Minimum Temp. Dated 2026-10-18




24 Hr cumulative rainfall recorded over different stations
during 0830 IST of 17-10-2026 to 0830 IST of 18-10-2026
Very Light to Light Rainfall (0.1 - 15.5 mm)
Moderate Rainfall (15.6 - 64.4 mm)
Heavy Rainfall (64.5 - 115.5 mm)
Very Heavy Rainfall (115.6 - 204.4 mm)
Extremely Heavy Rainfall (>=204.5 mm)
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000′
35°0.000′
30°0.000′
25°0.000′
20°0.000′
15°0.000′
10°0.000′
5°0.000′
70°0.000′
75°0.000′
80°0.000′
85°0.000′
90°0.000′
95°0.000′

Impace and Actions

Impact Expected and Action Suggested due to very heavy / Extremely heavy rainfall:

- **Isolated very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 19th-21st October.
- **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 22nd-24th October; Kerala & Mahe during 19th-24th October; Lakshadweep during 21st-23rd October; South Interior Karnataka during 19th-24th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-21st October.

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 various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, drain excess water from paddy, banana, cotton, turmeric, sugarcane and tapioca fields to prevent waterlogging. Harvest mature paddy and groundnut during dry intervals and store the produce safely. Postpone fertilizer application, pesticide spraying and intercultural operations during rainfall.
- In **Keralam**, ensure proper drainage in paddy, coconut, vegetables, ginger, banana field. Provide mechanical support to banana and papaya plants and stake young plants to avoidlodging. Monitor paddy for blast and sheath rot under wetconditions. Postpone fertilizer application and plant-protection operations during rainfall.
- In **Coastal Karnataka**, clear drainage channels in fields, particularly in areas expecting very heavy rainfall. Ensure adequate drainage in ginger and other standing crops, provide support to vulnerable horticultural plants and protect harvested produce in covered, dry storage.
- In **South Interior Karnataka**, drain excess water from lowlying fields to prevent waterlogging and crop damage. Provide staking or propping to crops vulnerable to lodging, particularly horticultural crops, and protect harvested produce from rain. Harvest mature crops during suitable dry intervals and postpone fertilizer application, plant-protection measures and other field operations during rainfall.
- In **Coastal Andhra Pradesh**, provide adequate drainage in standing crops, particularly rice, maize, finger millet, groundnut and vegetables. Provide mechanical support to horticultural crops and stake vegetables against strong winds. Harvest mature groundnut and maize during suitable dry intervals and store the produce safely. Postpone fertilizer application, pesticide spraying and intercultural operations during heavy rainfall.

- In **Rayalaseema**, ensure adequate drainage in crop fields and provide mechanical support to horticultural crops and staking to vegetables to minimise lodging due to strong winds. Monitor groundnut for Helicoverpa incidence and install bird perches for natural pest control. Suspend fertilizer application, pesticide spraying and other field operations during heavy rain and thunderstorms.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

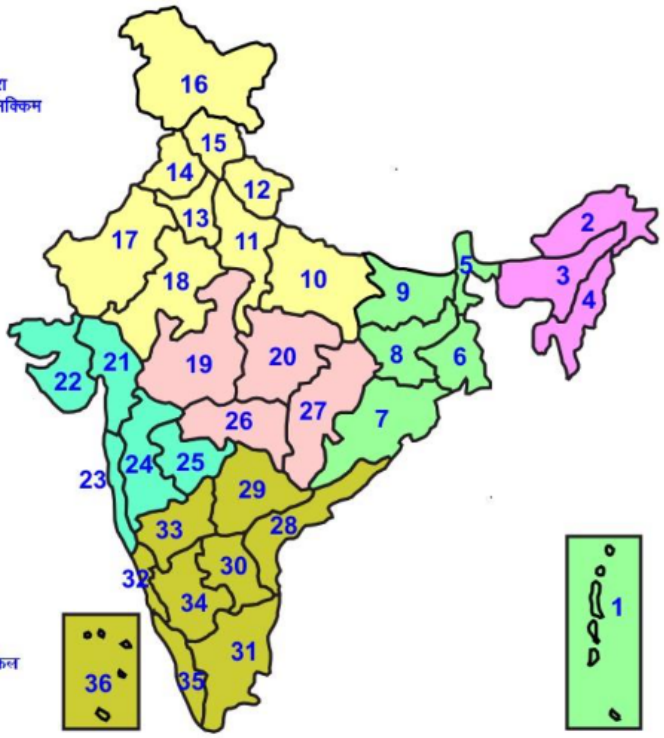
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Advisories for likely impact of Heavy Rainfall for 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

1 अंडमान और निकोबार द्वीप समुह
2 अरुणाचल प्रदेश
3 असम और मेघालय
4 नागालेंड मनीपुर मीजोरम और त्रिपुरा
5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6 पश्चिम गांगेय बंगाल
7 ओडिसा
8 झारखंड
9 बिहार
10 पूर्वी उत्तर प्रदेश
11 पश्चिम उत्तर प्रदेश
12 उत्तराखंड
13 हरियाणा चंडिगढ़ एंवम् दिल्ली
14 पंजाब
15 हिमाचल प्रदेश
16 जम्मू एवंम कश्मीर एवंम लद्दाख
17 पश्चिम राजस्थान
18 पूर्वी राजस्थान
19 पश्चिम मध्य प्रदेश
20 पूर्वी मध्य प्रदेश
21 गुजरात क्षेत्र
22 सौराष्ट्र एंवम् कच्छ
23 कोंकण एंवम् गोवा
24 मध्य महाराष्ट्र
25 मराठावाडा
26 विदर्भ
27 छत्तीसगढ़
28 तटीय आंध्र प्रदेश एवं यनम
29 तेलंगाना
30 रायलसीमा
31 तमिलनाडु ,पुदुचेरी एवंम कराईकल
32 तटिय कर्नाटक
33 आंतरिक उत्तरी कर्नाटक
34 आंतरिक दक्षिणी कर्नाटक
35 केरल एवंम 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajsthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- 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

Heavy Rain
Very Heavy Rain
Extremely Heavy Rain
Heavy Snow
Thunderstorm & Lightning
Hailstrom
Dust Strom
Dust Raising Winds
Strong surface winds
Heat Wave
Hot Day
Warm Night
Cold Wave
Cold Day
Ground Frost
Fog
Hot & Humid

LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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

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 ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature ≥45°C.
Severe Heat Wave: When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations
When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

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

Cold Wave : When Minimum Temperature is ≤ 4.0 °C
Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations
When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

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 ≤4°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 118-165 kmph (64 - 89 knots)
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
Super Cyclone Strom: Wind speed >220 kmph (>119 knots)