

2026-10-20

Time of Issue: 13:30:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems and Warnings:

Northwest India:

- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 23rd-25th October; Himachal Pradesh during 24th-25th October; Uttarakhand during 23rd-26th October.
- **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 24th-25th October; West Rajasthan on 24th October; East Rajasthan on 20th October and on 24th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Rajasthan on 24th October; East Rajasthan on 20th October.

Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 20th-23rd October; East Madhya Pradesh during 20th-21st October; Chhattisgarh and Vidarbha on 20th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Madhya Pradesh during 20th-23rd October; East Madhya Pradesh during 20th-21st October.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 20th-26th October.
- **Isolated to Scattered** rainfall likely over Odisha on 20th October and on 26th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 23rd-26th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 20th-22nd October; Odisha on 20th October.
- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 20th-24th October.

Northeast India:

- **Isolated to Scattered** rainfall likely over Assam & Meghalaya on 20th October; Nagaland, Manipur, Mizoram & Tripura during 20th-22nd October.

West India:

- **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 20th-23rd October; Marathwada during 20th-21st October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa and Madhya Maharashtra on 20th October.

South Peninsular India:

- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 20th-22nd October; Kerala & Mahe and Lakshadweep during 20th-26th October; Coastal Karnataka and South Interior Karnataka during 22nd-24th October.
- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 23rd-26th October; Coastal Karnataka and South Interior Karnataka during 20th-21st October and during 25th-26th October; North Interior Karnataka during 22nd-25th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 20th-26th October; Telangana during 20th-21st October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 20th-21st October, **with gusty winds (speed reaching 30-40**

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kmph gusting to 50 kmph) likely over Kerala & Mahe and Lakshadweep during 20th-24th October; Coastal Andhra Pradesh & Yanam during 20th-22nd October; Rayalaseema during 20th-23rd October; Telangana during 20th-21st October.

- Isolated **thunderstorm & lightning** likely over Coastal Karnataka and South Interior Karnataka during 20th-24th October; North Interior Karnataka during 22nd-23rd October.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 23rd-26th October; Kerala & Mahe during 20th-26th October; Lakshadweep during 22nd-26th October; Coastal Karnataka on 20th October and on 24th October; South Interior Karnataka during 21st-24th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 20th-21st October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 20th-22nd October.

Fishermen Warning:

- **Arabian Sea:** Over southwest Arabian sea adjoining sea Areas during 20th to 22nd October 2026 and along and off Kerala, Karnataka coasts, Lakshadweep Area during 22nd to 24th October.
- **Bay of Bengal:** Over Andaman Sea during 23rd to 25th October



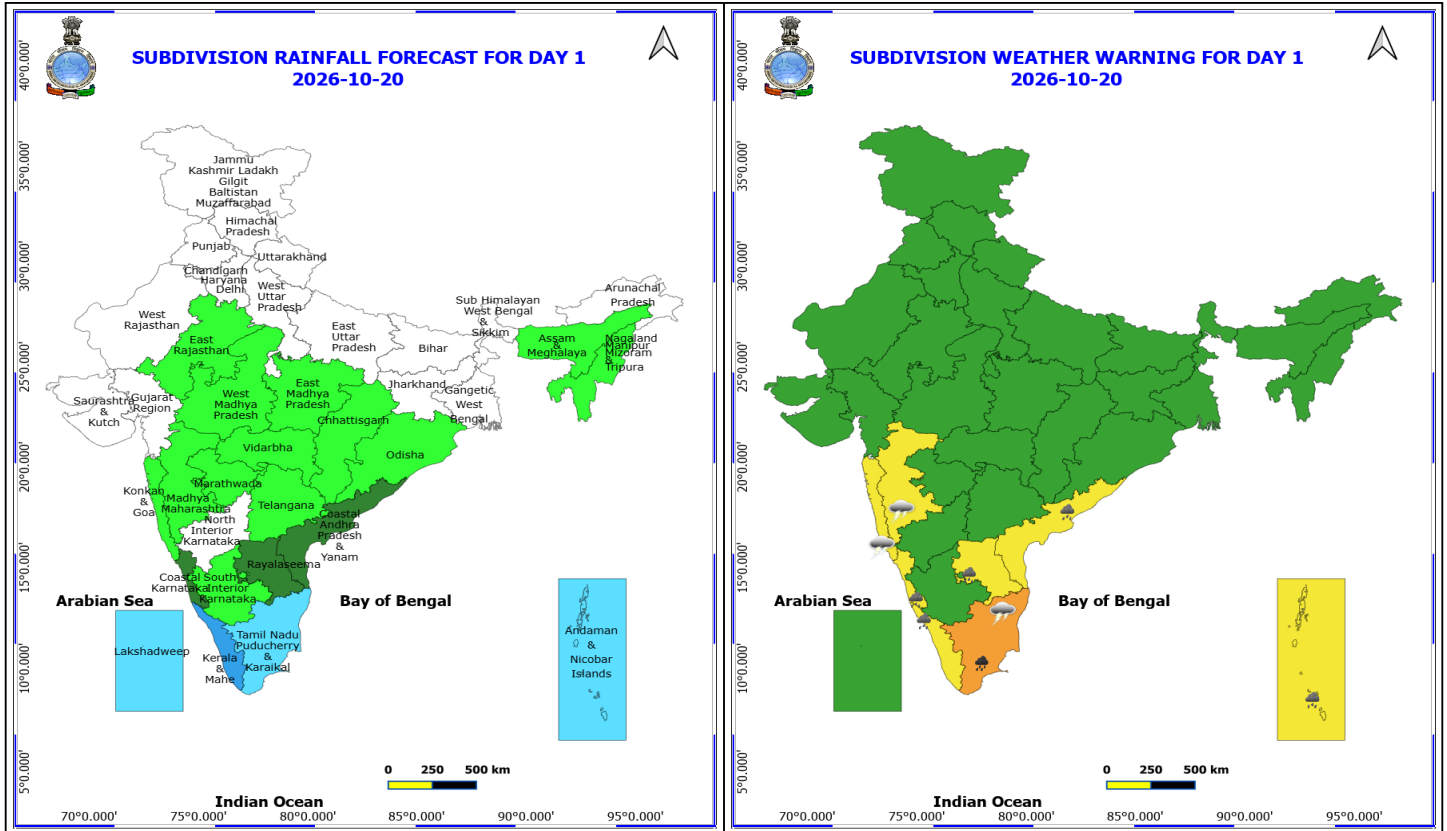
Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands and Kerala & Mahe; **at many places** over Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka; **at a few places** over Konkan & Goa; **at isolated places** over Assam & Meghalaya, Odisha, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, North Interior Karnataka and South Interior Karnataka; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Kerala & Mahe**: Kozhikode (dist Kozhikode) 10; Vaikom (dist Kottayam) 6; **Coastal Karnataka**: Brahmavar AWS (dist Udupi) 8; **Tamil Nadu, Puducherry & Karaikal**: Tiruvadanai (dist Ramanathapuram), Thalaigayyer (dist Nagapattinam) 8 Each; Chittampatti (dist Madurai), Ramanathapuram (dist Ramanathapuram), Devakottai (dist Sivaganga), Manamadurai (dist Sivaganga), Tirupathur (dist Sivaganga), Thanjai Papanasam (dist Thanjavur) 6 Each; **Andaman & Nicobar Islands**: Nancowry (dist Nicobar) 7; **Konkan & Goa**: Lanja (dist Ratnagiri) 6.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy rain** at isolated places over Andaman & Nicobar Islands, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and Kerala & Mahe.
- ❖ **Minimum Temperature Departures (as on 20-10-2026)**: **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, East Rajasthan and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over Punjab, West Rajasthan, West Madhya Pradesh and Gujarat Region; at isolated places over Odisha, East Uttar Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa and Vidarbha. **above normal(1.6°C to 3.0°C)** at many places over Rayalaseema and Lakshadweep; at few places over Andaman & Nicobar Islands, Marathwada, Telangana, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka; at isolated places over Gangetic West Bengal, Bihar, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Haryana-Chandigarh-Delhi and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Coastal Karnataka and Kerala & Mahe. **The lowest minimum temperature** of 11.2°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.
- ❖ **Maximum Temperature Departures (as on 19-10-2026)**: **near normal(-1.5°C to 1.5°C)** at most places over Assam & Meghalaya and Konkan & Goa; at isolated places over Tamil Nadu, Puducherry & Karaikal. **The highest maximum temperature** of 38.0°C was reported at BARMER (RAJASTHAN).



Meteorological Analysis (Based on 0830 hours IST)

- The **well marked low pressure** area over southwest Arabian persisted over the same region at 0830 hrs IST of today, the 20th October, 2026. The associated cyclonic circulation extends upto 7.6km above mean sea level. It is very likely to continue to move west-northwestwards maintaining its intensity of well marked low pressure area during next 12 hours. Thereafter, it is likely to continue to move further west-northwestwards as a low pressure area till 21st and then west-southwestwards towards Somalia coast on 22nd October.
- The **upper air cyclonic circulation** over Southwest Bay of Bengal and adjoining Tamil Nadu coast extending upto 5.8 km above mean sea level persists. Under its influence a **low pressure area** is likely to form over the same region during next 24 hours.
- The **trough** now runs from the above **cyclonic circulation** over southwest Bay of Bengal and adjoining Tamil Nadu coast to north coastal Andhra Pradesh at 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over Gulf of Thailand & neighbourhood lay over Gulf of Thailand and adjoining Thailand & Myanmar and extends upto 4.5km above mean sea level at 0830 Hrs IST of today, 20th October. It is likely to emerge into north Andaman Sea by tomorrow, 21st October morning. Thereafter it will move west-north-westwards and under its influence a low-pressure area is likely to form over Southeast and adjoining East-central Bay of Bengal around 23rd October, 2026. Then it is likely to move north-westwards and intensify further.
- The **upper air cyclonic circulation** over south Rajasthan & neighbourhood lay over southwest Rajasthan & neighbourhood and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northwest Uttar Pradesh & neighbourhood at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over southeast Bangladesh and adjoining Tripura lay over east Bangladesh and adjoining Tripura at 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over North Interior Karnataka & neighbourhood at 1.5 km above mean sea level has become less marked.
- The **trough** from Southwest Rajasthan to Northeast Arabian sea at 3.1 km above mean sea level has become less marked.



20 October (Day 1)

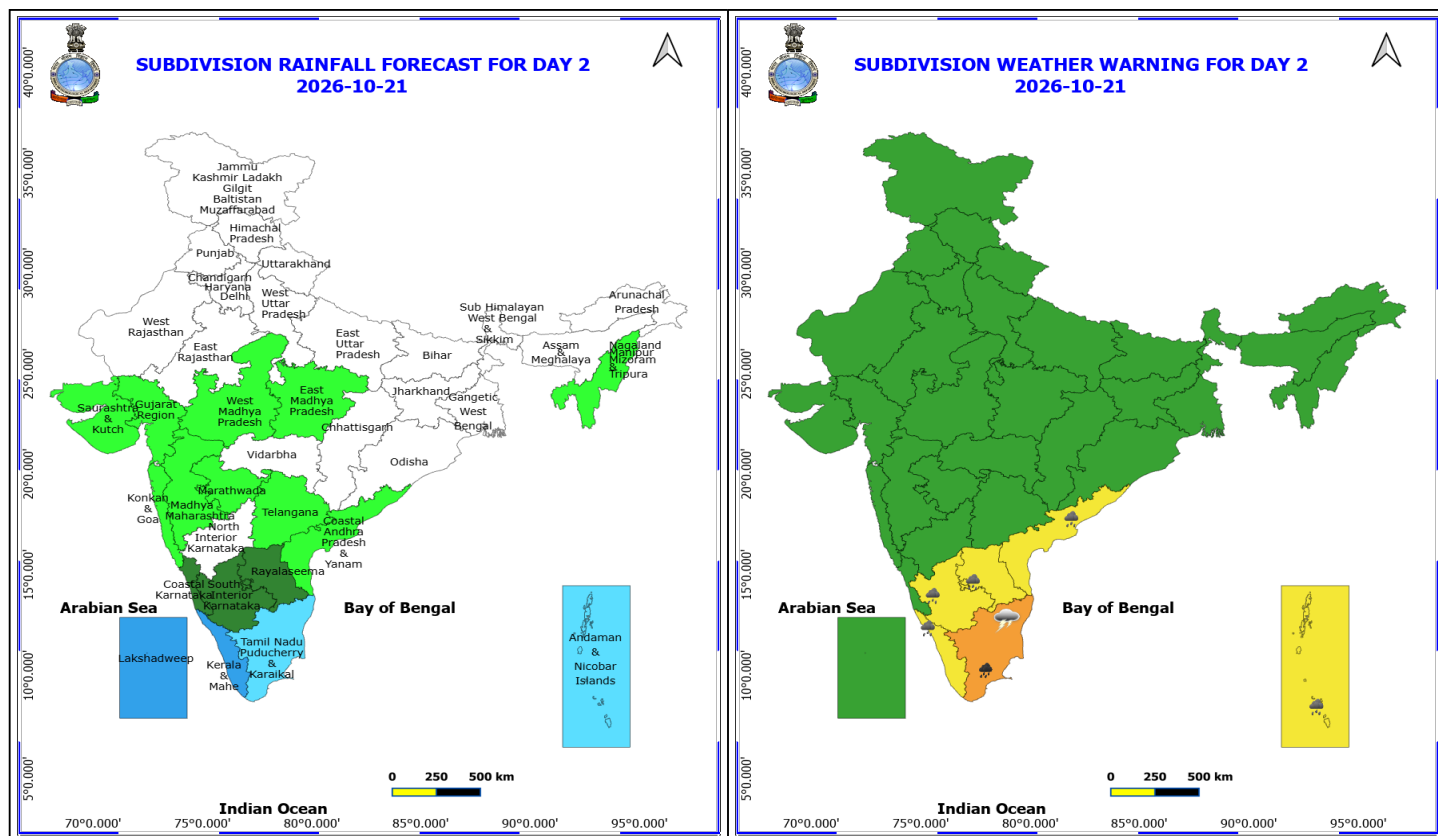
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Coastal Karnataka and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Konkan & Goa, Madhya Maharashtra and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, East Rajasthan, Kerala & Mahe, Lakshadweep, Madhya Pradesh, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Karnataka.
- ❖ **Squally weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail southwest Arabian sea.

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21 October (Day 2)

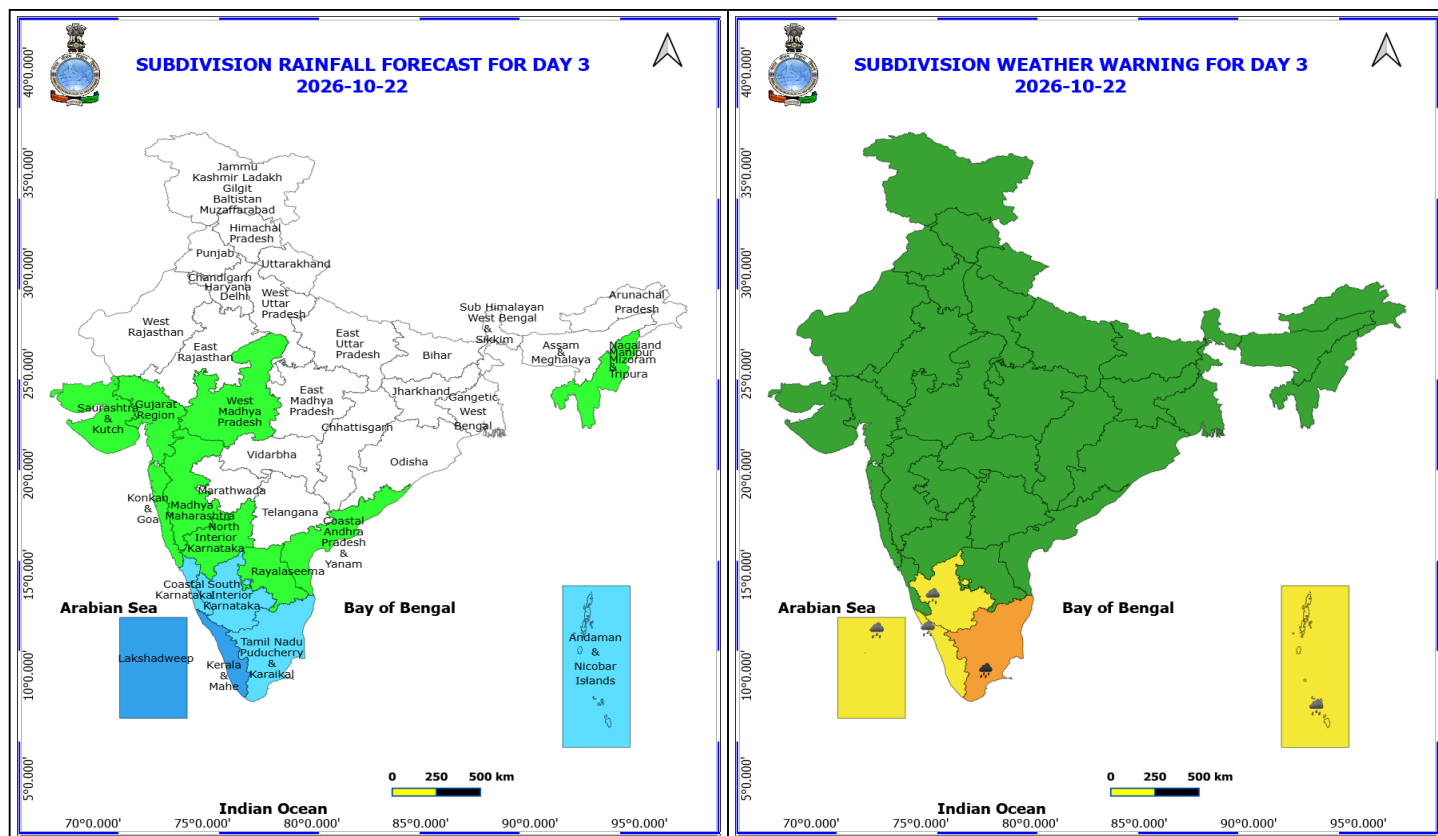
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Kerala & Mahe and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & 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 Andaman & Nicobar Islands, Andhra Pradesh, Kerala & Mahe, Lakshadweep, Madhya Pradesh and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Karnataka.
- ❖ **Squally weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail southwest Arabian sea.

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22 October (Day 3)

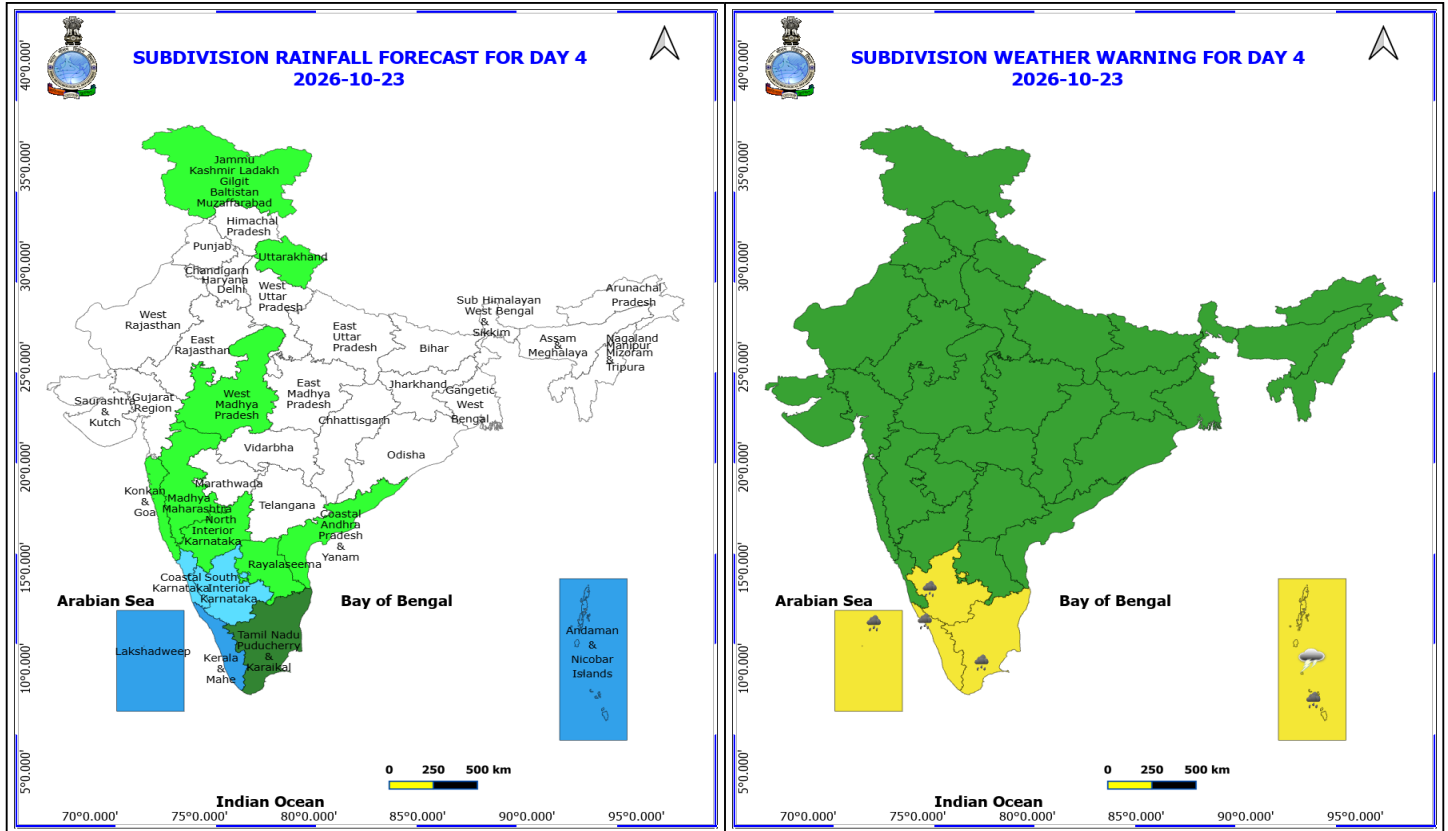
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Lakshadweep and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Kerala & Mahe, Lakshadweep and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Karnataka.
- ❖ **Squally weather with wind speed 35-45 kmph gusting to 55 kmph** is likely to prevail along and off Kerala, Karnataka coasts, Lakshadweep Area.

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23 October (Day 4)

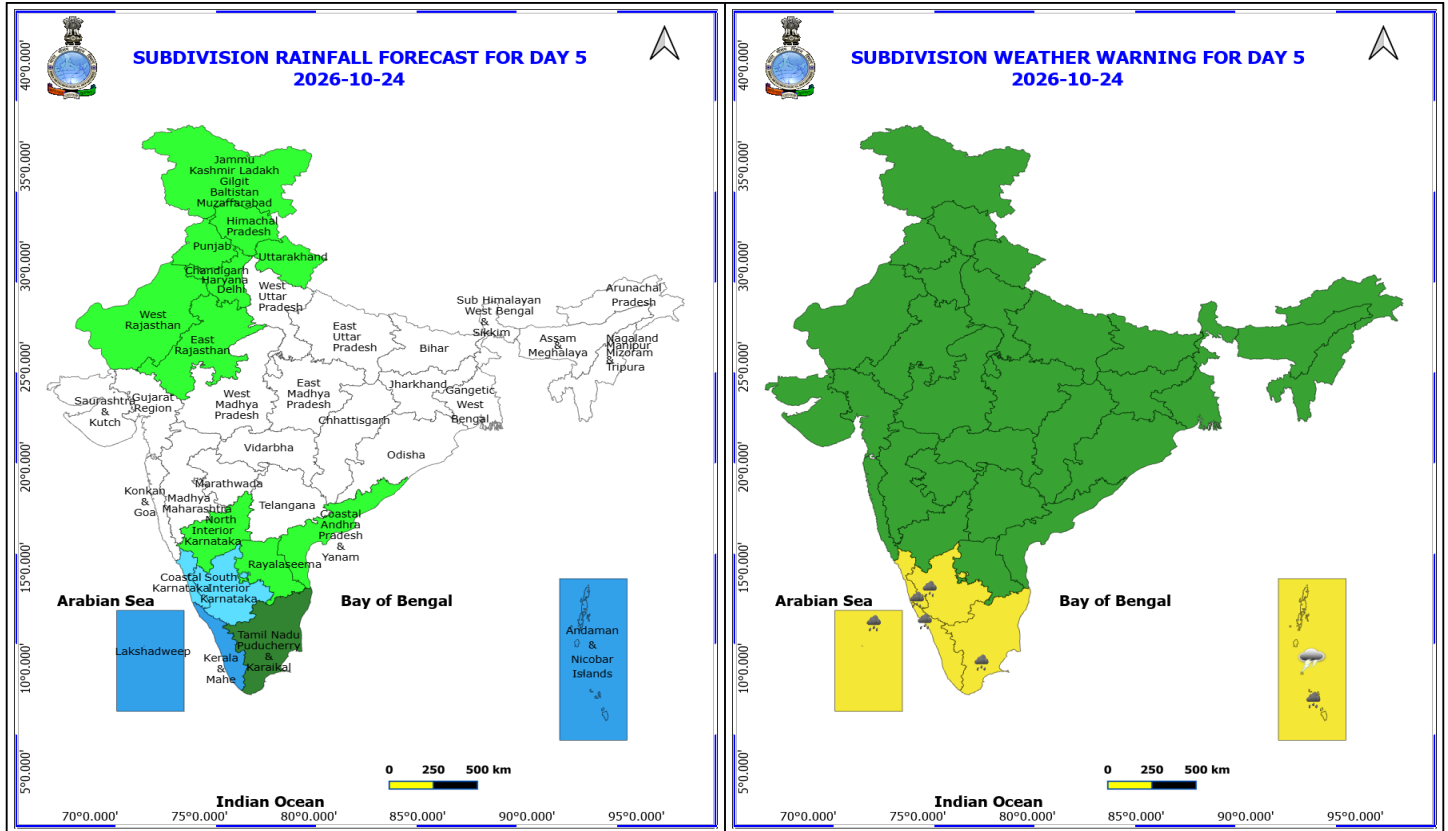
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Kerala & Mahe, Lakshadweep, Rayalaseema and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Karnataka.
- ❖ **Squally weather with wind speed 35-45 kmph gusting to 55 kmph** is likely to prevail along and off Kerala, Karnataka coasts, Lakshadweep Area and over Andaman Sea.

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24 October (Day 5)

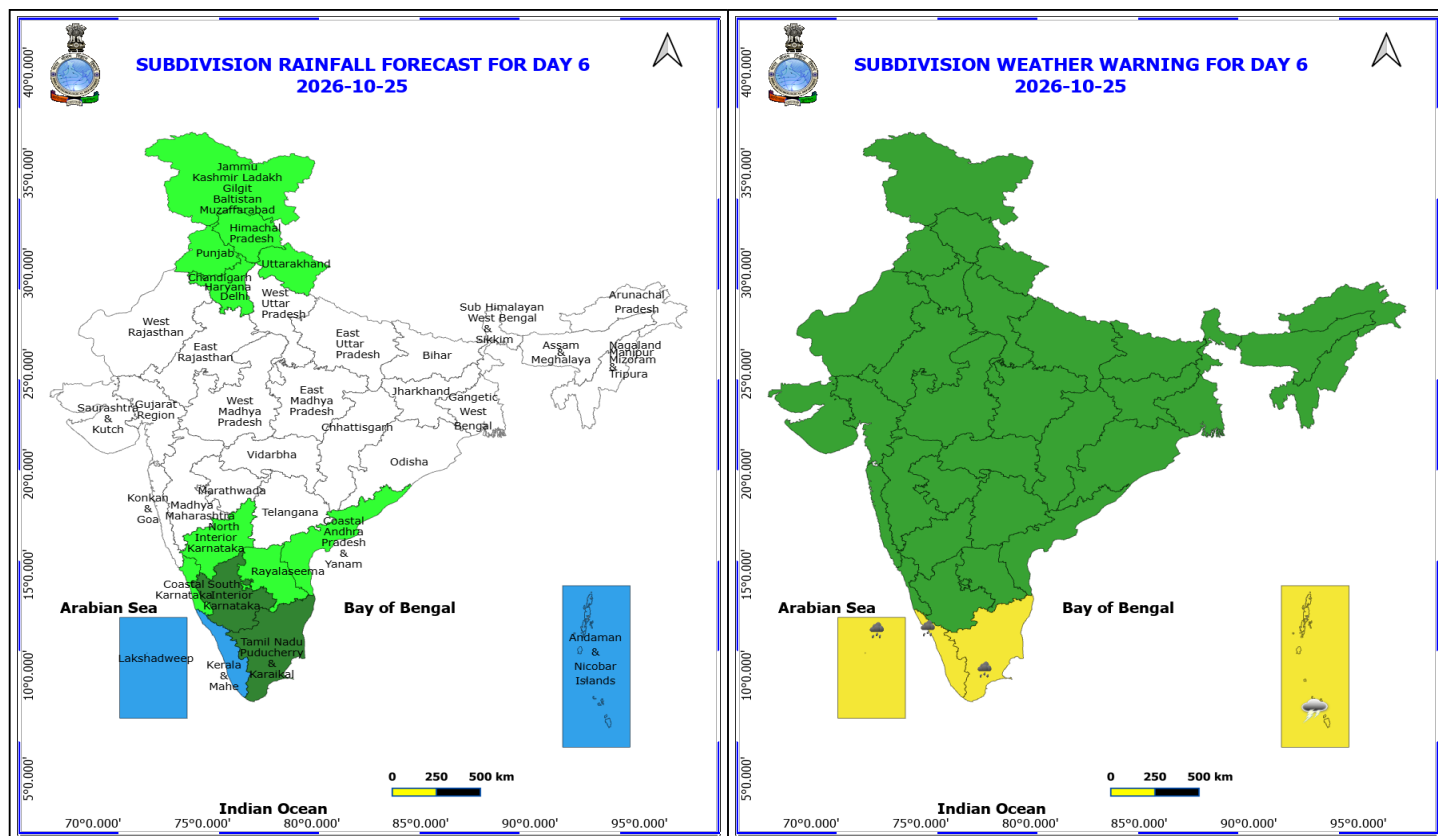
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Kerala & Mahe, Lakshadweep and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka and South Interior Karnataka.
- ❖ **Squally weather with wind speed 35-45 kmph gusting to 55 kmph** is likely to prevail over Andaman Sea.

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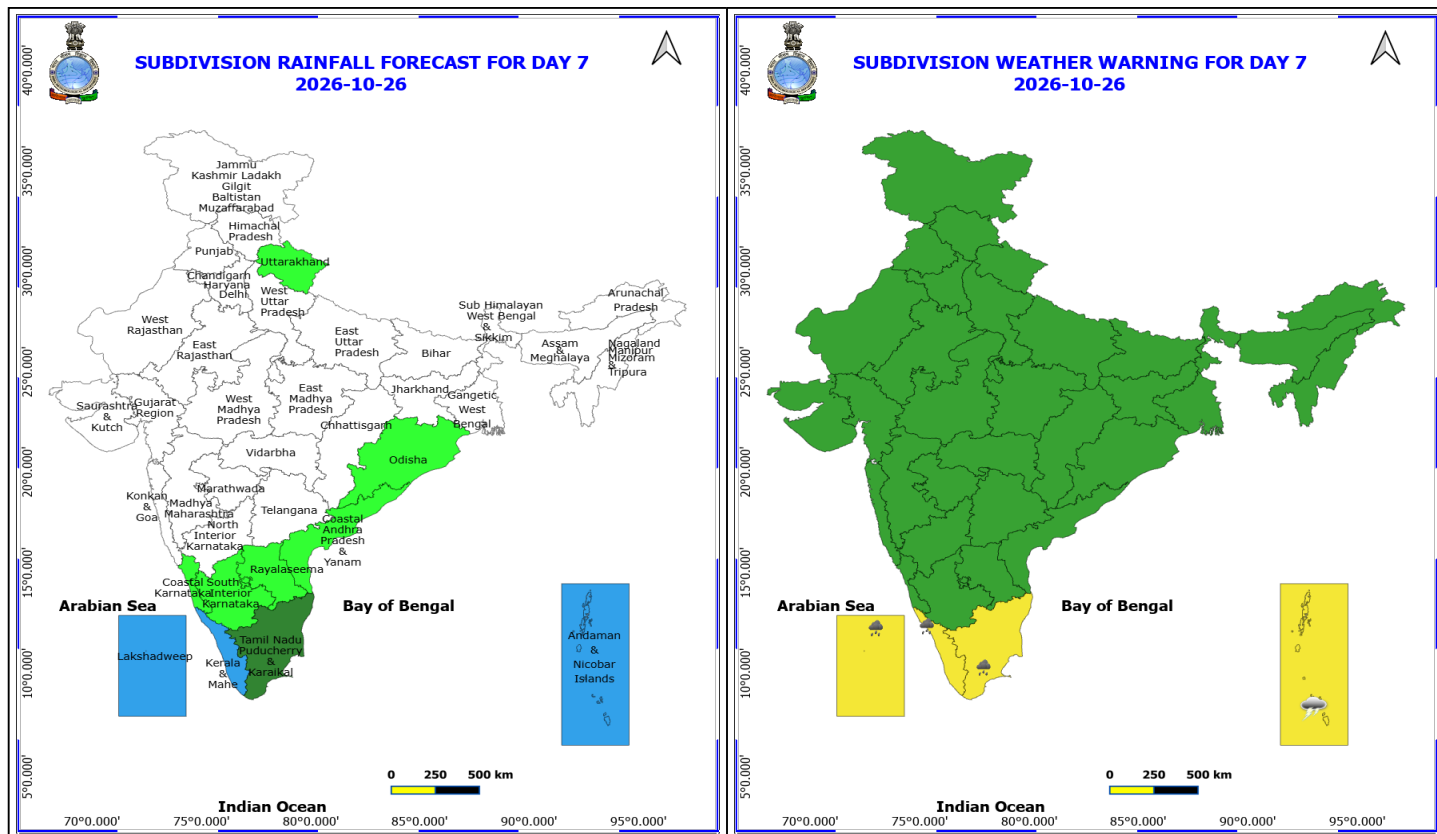
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25 October (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.

No Fishermen Warning



26 October (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

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

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

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Fig. 1: Maximum Temperatures Dated 2026-10-19

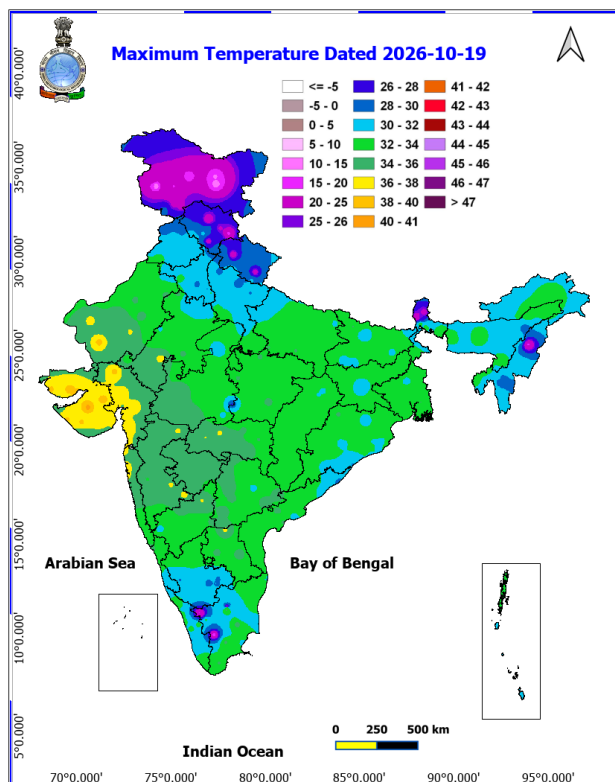


Fig. 2: Departure of Maximum Temp. Dated 2026-10-19

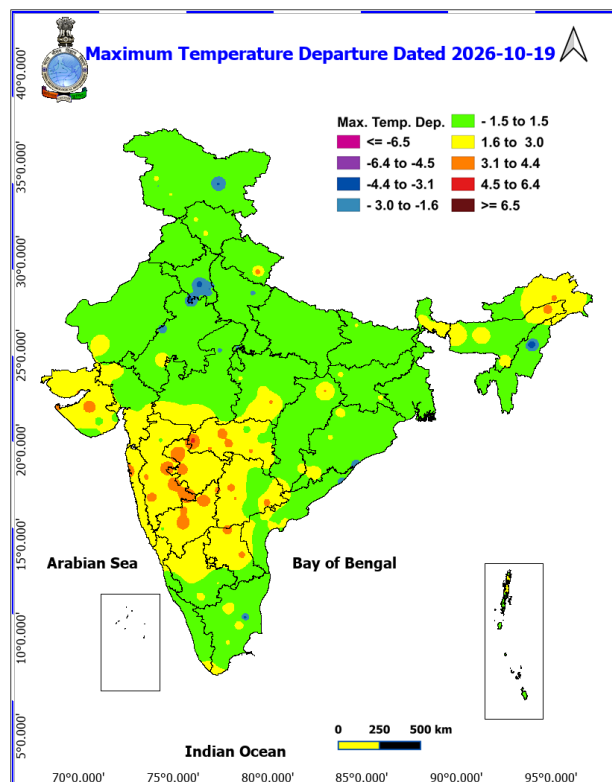


Fig. 3: Minimum Temperatures Dated 2026-10-20

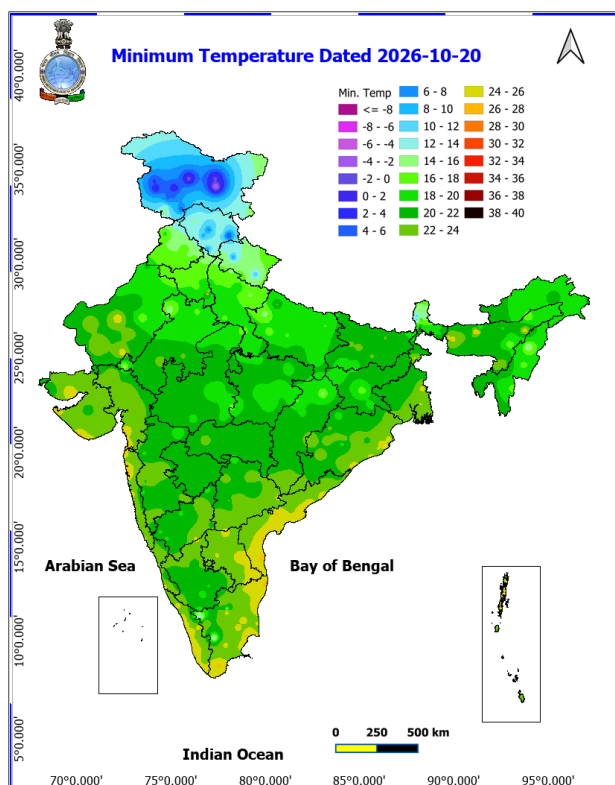
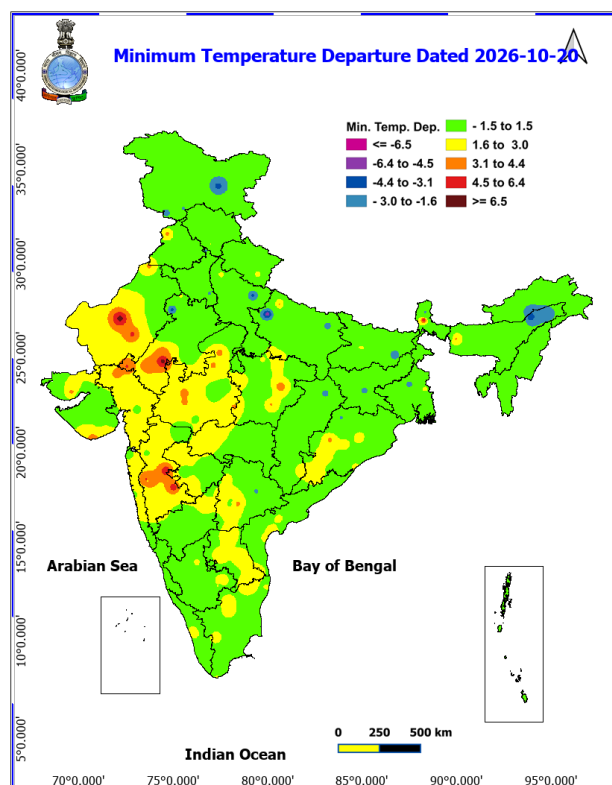
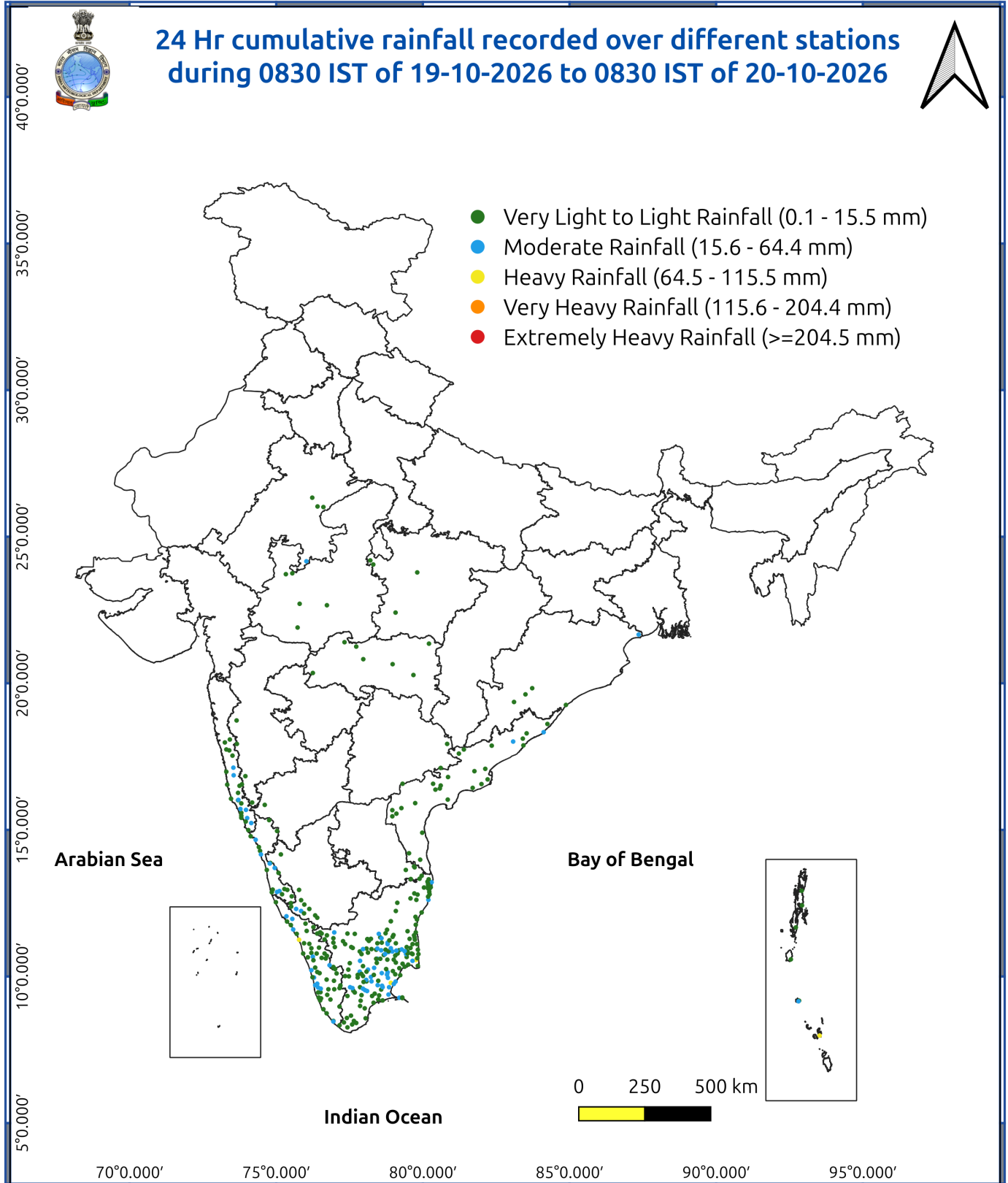


Fig. 4: Departure of Minimum Temp. Dated 2026-10-20





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Impact and Actions

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

- Isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 20th -22nd October.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 20th – 24th; Tamil Nadu, Puducherry & Karaikal during 23rd – 26th; Lakshadweep during 22nd – 26th; Coastal Karnataka on 20th & 24th; South Interior Karnataka during 21st – 24th; Coastal Andhra Pradesh & Yanam and Rayalaseema on 20th & 21st and Kerala & Mahe during 20th – 26th 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. Keep the harvested produce of paddy and groundnut in safe places. Postpone fertilizer application, pesticide spraying and intercultural operations during rainfall.
- In **Keralam**, ensure proper drainage in paddy, coconut, vegetables, ginger, banana field. Provide mechanical

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- support to banana and papaya plants and stake young plants to avoid lodging. Monitor paddy for blast and sheath rot under wet conditions. Postpone fertilizer application and plant-protection operations during rainfall.
- In **Coastal Andhra Pradesh**, make necessary arrangement for 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 the regions expecting heavy rainfall especially **Coastal Karnataka, South Interior Karnataka and Rayalseema**, drain excess water from crops, plantations, orchards and vegetables and avoid field operations when the soil is sticky. Provide bamboo props or ties to banana plants to prevent lodging and pseudostem snapping during strong winds and rain.

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 & 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, 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.

***Red color warning does not mean "Red Alert" Red color warning means "Take Action"**

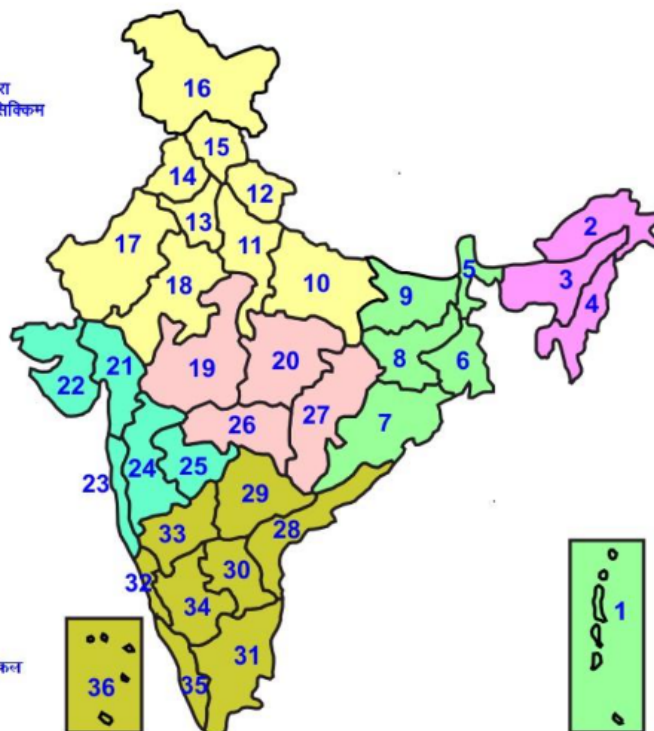
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LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं 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 Rajasthan
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 Widespread (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

 Thunderstorm & Lightning

 Strong surface winds

 Cold Wave

 Hot & Humid

 Very Heavy Rain

 Hailstorm

 Heat Wave

 Cold Day

 Extremely Heavy Rain

 Dust Storm

 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

*Red color warning does not mean "Red Alert" Red color warning means "Take Action"

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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



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



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 $\geq 37^{\circ}\text{C}$



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 $> 6.4^{\circ}\text{C}$.



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 $\leq 15^{\circ}\text{C}$



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 $\leq -6.5^{\circ}\text{C}$



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



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



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



Ice deposits on ground

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



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

Moderate: Wind speed 52-61 kmph
Severe: Wind speed 62-87 kmph
Very Severe: Wind speed > 87 kmph



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



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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