

2025-10-25

Time of Issue: 10:02:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather warning:

South Peninsular India:

- Extremely heavy rainfall (≥ 21 cm) likely at isolated places over Coastal Andhra Pradesh & Yanam on 27th & 28th and Rayalaseema on 27th October.
- Light to moderate rainfall/thunderstorm at many/some places with isolated heavy rainfall over Tamil Nadu, Kerala & Mahe during 25th-28th; Coastal Andhra Pradesh & Yanam, Rayalaseema during 25th-29th; Coastal Karnataka during 25th-27th; Telangana on 27th & 28th; South Interior Karnataka on 27th October with isolated **very heavy rainfall** over Tamil Nadu & Coastal Karnataka on 27th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 26th-28th October.
- Thunderstorm with lightning likely over the region during next 4 days.
- Strong surface winds (speed reaching 30-50 kmph) likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during next 4 days.

East & Central India:

- Light to moderate rain/thunderstorm at many places with isolated heavy rainfall over Andaman & Nicobar Islands on 25th; Gangetic West Bengal during 28th-31st; Jharkhand on 29th; Odisha during 26th-29th; Sub-Himalayan West Bengal & Sikkim during 29th-31st October with isolated very heavy rainfall over Odisha during 27th - 29th October.
- Thunderstorm with lightning and gusty winds (speed reaching 40-50 kmph) likely over Andaman & Nicobar Islands during next 4 days; and with lightning over Madhya Pradesh, Vidarbha and Chhattisgarh during next 4 days.

West India:

- Light to moderate rain/thunderstorm at many places with isolated heavy rainfall over Konkan & Goa on 25th; Gujarat State during 25th-27th October.
- Thunderstorm with lightning likely over the region during next 4-5 days.

Northeast India:

- Light to moderate rain/thunderstorm at many/some places with isolated heavy rainfall over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 29th-31st October.

Northwest India:

- No large change in minimum temperature likely over Northwest India for next 3-4 days except East Uttar Pradesh where minimum temperature likely to fall by 2-3⁰C during next 24 hours.

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Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Andaman & Nicobar Islands, Konkan & Goa , Kerala & Mahe, North Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka, Arunachal Pradesh, Vidarbha, Telangana and Marathwada; **at many places** over Odisha, Jammu & Kashmir and Ladakh, West Madhya Pradesh, South Interior Karnataka, Tamilnadu Puducherry & Karaikal, Assam & Meghalaya, Madhya Maharashtra , Chhattisgarh 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): **Andaman & Nicobar Islands:** Car Nicobar (vecx) (dist Nicobar) 12; **Konkan & Goa:** Panjim (dist North Goa) 6, Mumbai (colaba) (dist) 1; **Kerala & Mahe:** Thiruvananthapuram-city (dist Thiruvananthapuram) 5; **North Interior Karnataka:** Gadag (dist Gadag) 5, Kalaburgi (dist Kalaburagi) 2; **Tamil Nadu, Puducherry & Karaikal:** Kanyakumari (dist Kanyakumari) 4, Tondi (dist Ramanathapuram) 1; **Coastal Andhra Pradesh & Yanam:** Machilipatnam (dist Krishna) 3, Kakinada (dist Kakinada), Narsapur (dist Medak) 2 Each, Amaravati-ap-obs2 (dist Guntur) 1; **Rayalaseema:** Anantapur (dist Anantapuramu) 2, Tirupathi (dist Tirupati) 1; **Assam & Meghalaya:** Guwahati (dist Kamrup Metropolitan) 1; **South Interior Karnataka:** Chitradurga (dist Chitradurga) 1; **Coastal Karnataka:** Mangalore (bajpe) AP (dist Dakshina Kannada) 1; **Arunachal Pradesh:** Pasighat (dist East Siang) 1; **Vidarbha:** Akola (dist Akola) 1.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today):**Heavy to very heavy rain** at a few places over Andaman & Nicobar Islands.

❖ **Minimum Temperature Departures (as on 24-10-2025):** **markedly above normal(> 5.1°C)** at few places over Gujarat Region and Madhya Maharashtra; at isolated places over Bihar, Saurashtra & Kutch and Marathwada. **appreciably above normal(3.1°C to 5.0°C)** at many places over East Uttar Pradesh; at few places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Vidarbha and Telangana; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, West Uttar Pradesh, Punjab, East Rajasthan, Konkan & Goa and Chhattisgarh. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Madhya Pradesh and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Odisha, Uttarakhand, Himachal Pradesh, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over West Madhya Pradesh and Kerala & Mahe; at most places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka and South Interior Karnataka. **The lowest minimum temperature** of 11.4°C is reported at UNA (HIMACHAL PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 24-10-2025):** **markedly above normal(> 5.1°C)** at isolated places over Chhattisgarh. **appreciably above normal(3.1°C to 5.0°C)** at few places over Nagaland, Manipur, Mizoram & Tripura and Sub Himalayan West Bengal & Sikkim; at isolated places over Gangetic West Bengal, Jharkhand, East Uttar Pradesh and Uttarakhand. **above normal(1.6°C to 3.0°C)** at many places over Himachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over Assam & Meghalaya and Bihar; at isolated places over Odisha, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, West Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch and Vidarbha. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, East Rajasthan and West Madhya Pradesh; at most places over Arunachal Pradesh, Konkan & Goa, Marathwada and Lakshadweep; at few places over Madhya Maharashtra, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at isolated places over Coastal Andhra Pradesh & Yanam. **The highest maximum temperature** of 37.6°C is reported at BARMER (RAJASTHAN).

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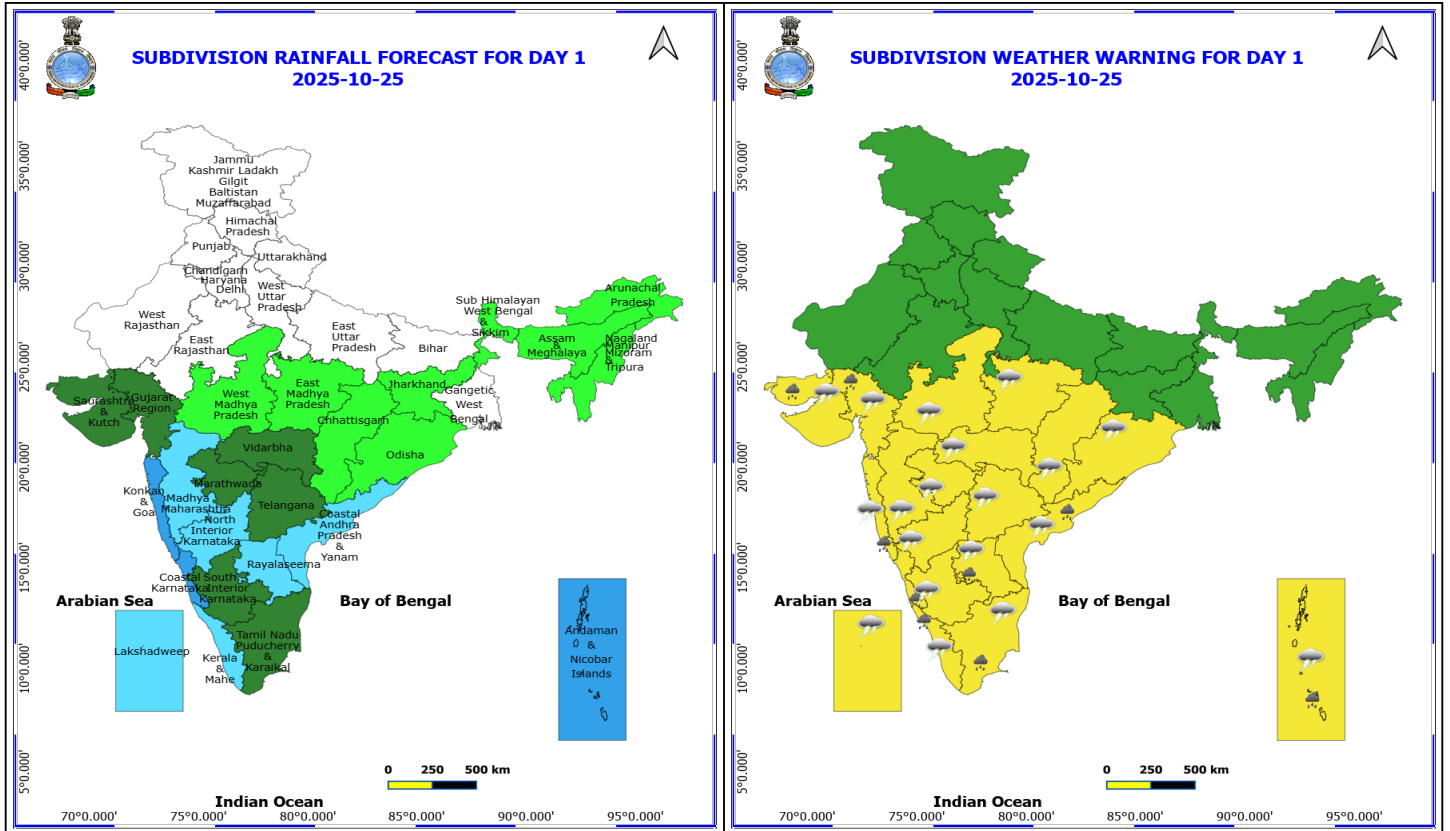
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Meteorological Analysis (Based on 0530 hours IST)

- The **Depression** over eastcentral Arabian Sea moved north-northwestwards with a speed of 07 kmph during past 6 hours and lay centered at 0530 hrs IST of today, the 25th October 2025, over the same region, near latitude 16.4°N & longitude 70.4°E, about 380 km west-northwest of Panjim (Goa), 400 km southwest of Mumbai (Maharashtra), 620 km northwest of Mangalore (Karnataka) and 640 km north-northwest of Aminidivi (Lakshadweep). It is likely to move nearly northwestwards across Eastcentral Arabian Sea during next 24 hours.
- The **Well marked low-Pressure area** over southeast Bay of Bengal moved nearly westwards, concentrated into a **Depression** and lay centred at 0530 hrs IST of today, the 25th October 2025, over the same region, near latitude 10.8°N & longitude 89.0°E, about 420 km west-southwest of Port Blair (Andaman & Nicobar Islands), 990 km southeast of Visakhapatnam (Andhra Pradesh), 990 km east-southeast of Chennai (Tamil Nadu), 1000 km southeast of Kakinada (Andhra Pradesh) and 1040 km south-southeast of Gopalpur (Odisha). It is likely to move nearly west-northwestwards, intensify into a deep depression by 26th and into a cyclonic storm over southwest & adjoining westcentral Bay of Bengal by 27th morning. Thereafter it is likely to move northwestwards towards Andhra Pradesh coast during subsequent 48 hrs.
- A fresh Western Disturbance likely to impact Western Himalayan Region from 27th October, 2025.

Weather Outlook for subsequent 3 days

- Scattered to Fairly widespread rainfall activity likely over the southern part of India.
- Isolated to scattered rainfall activity likely over Northeast and East India.



25 October (Day 1)

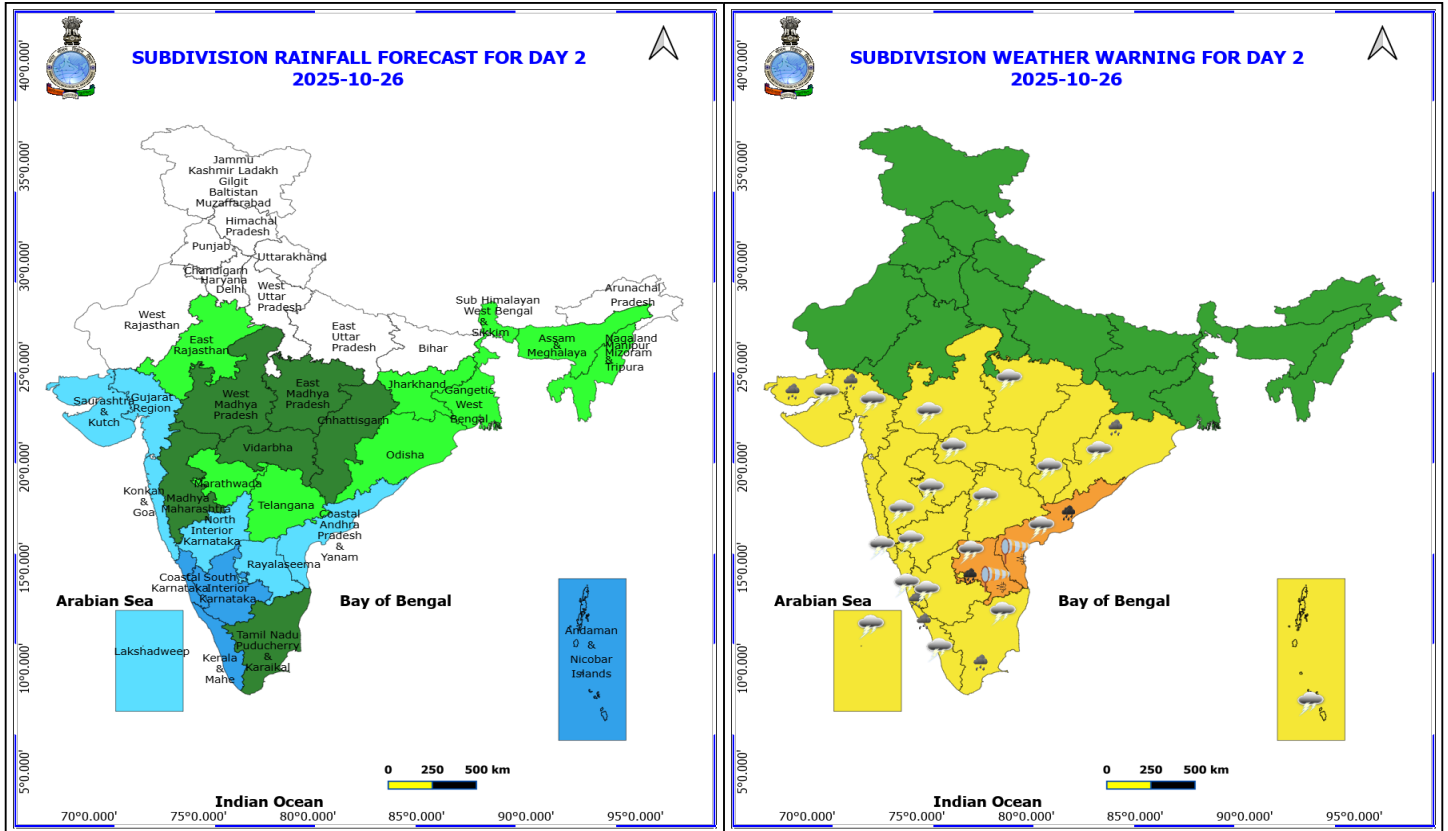
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Coastal Karnataka, Gujarat State, Kerala & Mahe, Konkan & Goa and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Kerala & Mahe, Lakshadweep, North Interior Karnataka and Telangana.
 - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Chhattisgarh, Gujarat State, Konkan & Goa, Madhya Pradesh, Maharashtra, Odisha, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail along and off Kerala, Karnataka, south Gujarat, Konkan, Goa coasts and adjoining sea areas, over Lakshadweep, Comorin areas, Maldives, over southeast, and adjoining some parts of southwest, westcentral Arabian Sea, most parts of eastcentral Arabian Sea, over Gulf of Mannar, over south and many parts of central Bay of Bengal, along and off South Andhra Pradesh coast, Tamil Nadu, Sri Lanka coasts and over Andaman Sea.
 - **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over southwestern parts of westcentral Bay of Bengal and adjoining areas.

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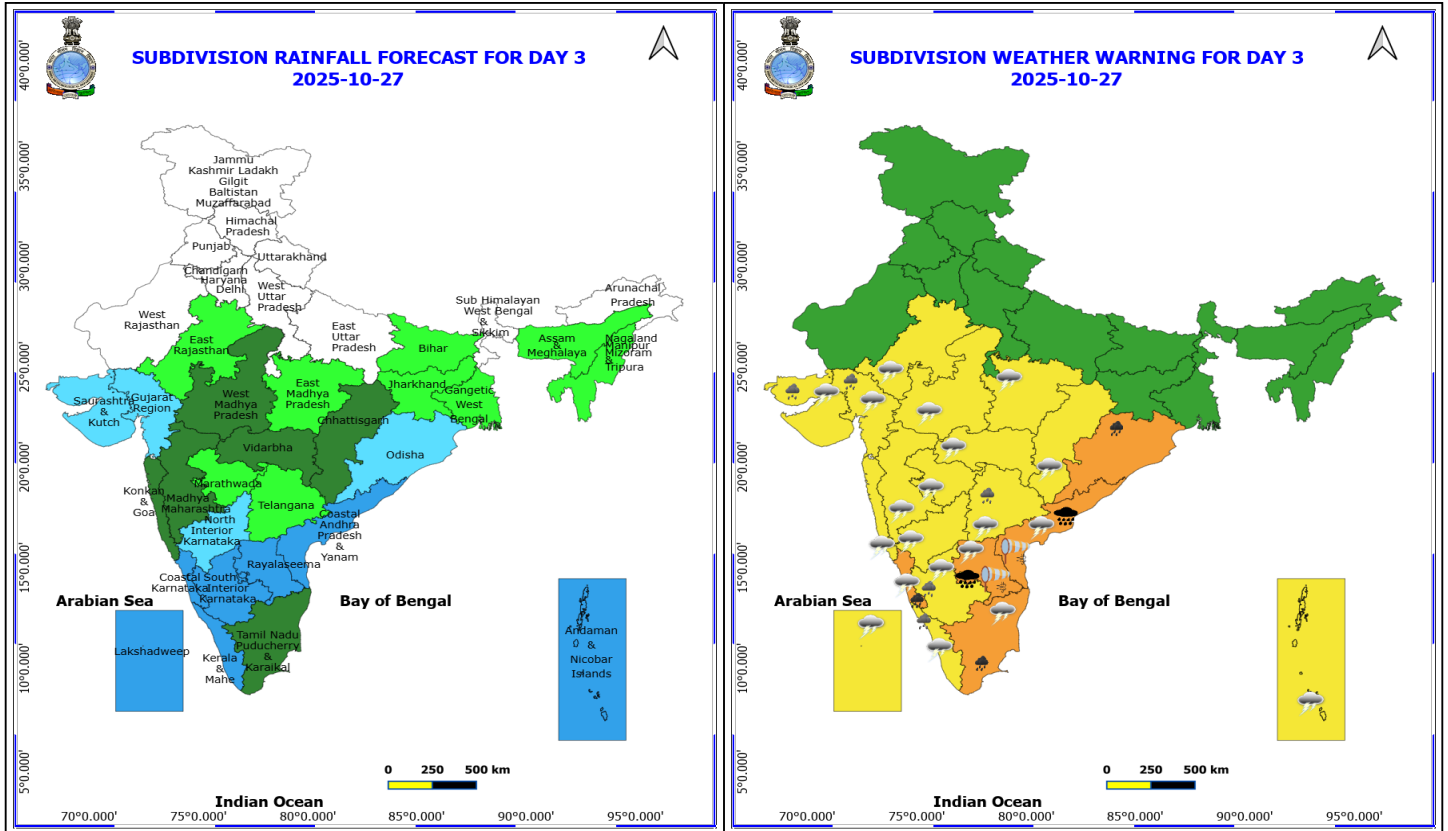
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26 October (Day 2)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andhra Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Coastal Karnataka, Gujarat State, Kerala & Mahe, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka, Kerala & Mahe, Lakshadweep and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Chhattisgarh, Coastal Karnataka, Gujarat State, Konkan & Goa, Madhya Pradesh, Maharashtra, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
 - **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail along and off Kerala, Karnataka, Konkan, Goa, Gujarat coasts and adjoining sea areas, over Lakshadweep, Comorin areas, Maldives, over southeast, and adjoining some parts of southwest, westcentral Arabian Sea, over eastcentral Arabian Sea, over Gulf of Mannar, over most parts of south & central Bay of Bengal, along and off Andhra Pradesh, north Tamil Nadu coasts, and over Andaman Sea.
 - **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over southwestern parts of westcentral Bay of Bengal and adjoining areas.

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27 October (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Andhra Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Karnataka, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Gujarat State, Kerala & Mahe, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka, Kerala & Mahe, Lakshadweep and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Chhattisgarh, Coastal Karnataka, East Rajasthan, Gujarat State, Konkan & Goa, Madhya Pradesh, Maharashtra and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
 - **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail along and off Kerala, Karnataka, Konkan, Goa, Gujarat coasts and adjoining sea areas, over Lakshadweep area, over some parts of southeast Arabian Sea, over eastcentral & adjoining , westcentral Arabian Sea, over Gulf of Mannar, over most parts of south & central Bay of Bengal, along and off Andhra Pradesh coast, and over Andaman Sea.

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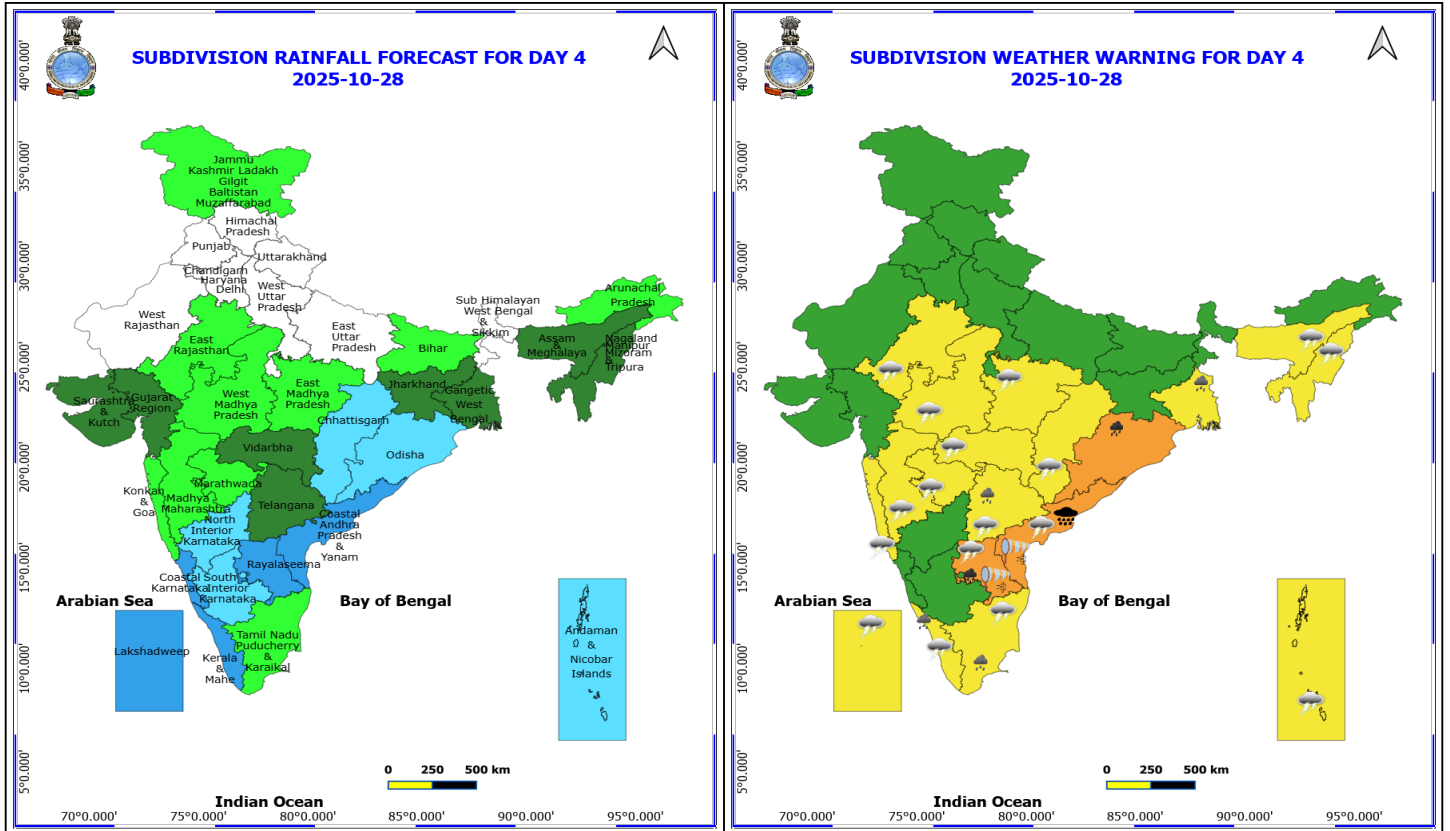
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- **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over central parts of eastcentral Arabian Sea, southwestern parts of westcentral Bay of Bengal and adjoining southwest Bay of Bengal.



28 October (Day 4)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Odisha and Rayalaseema.
- ❖ **Heavy Rainfall** likely at isolated places over Gangetic West Bengal, Kerala & Mahe, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **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 Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, East Rajasthan, Konkan & Goa, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.
 - **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail along and off Kerala, Karnataka, Konkan, Goa, Gujarat coasts and adjoining sea areas, over Lakshadweep area, over some parts of southeast Arabian Sea, over eastcentral & adjoining , westcentral Arabian Sea, over Gulf of Mannar, over most parts of south & central Bay of Bengal, along and off Andhra Pradesh coast, and over Andaman Sea.
 - **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over northern

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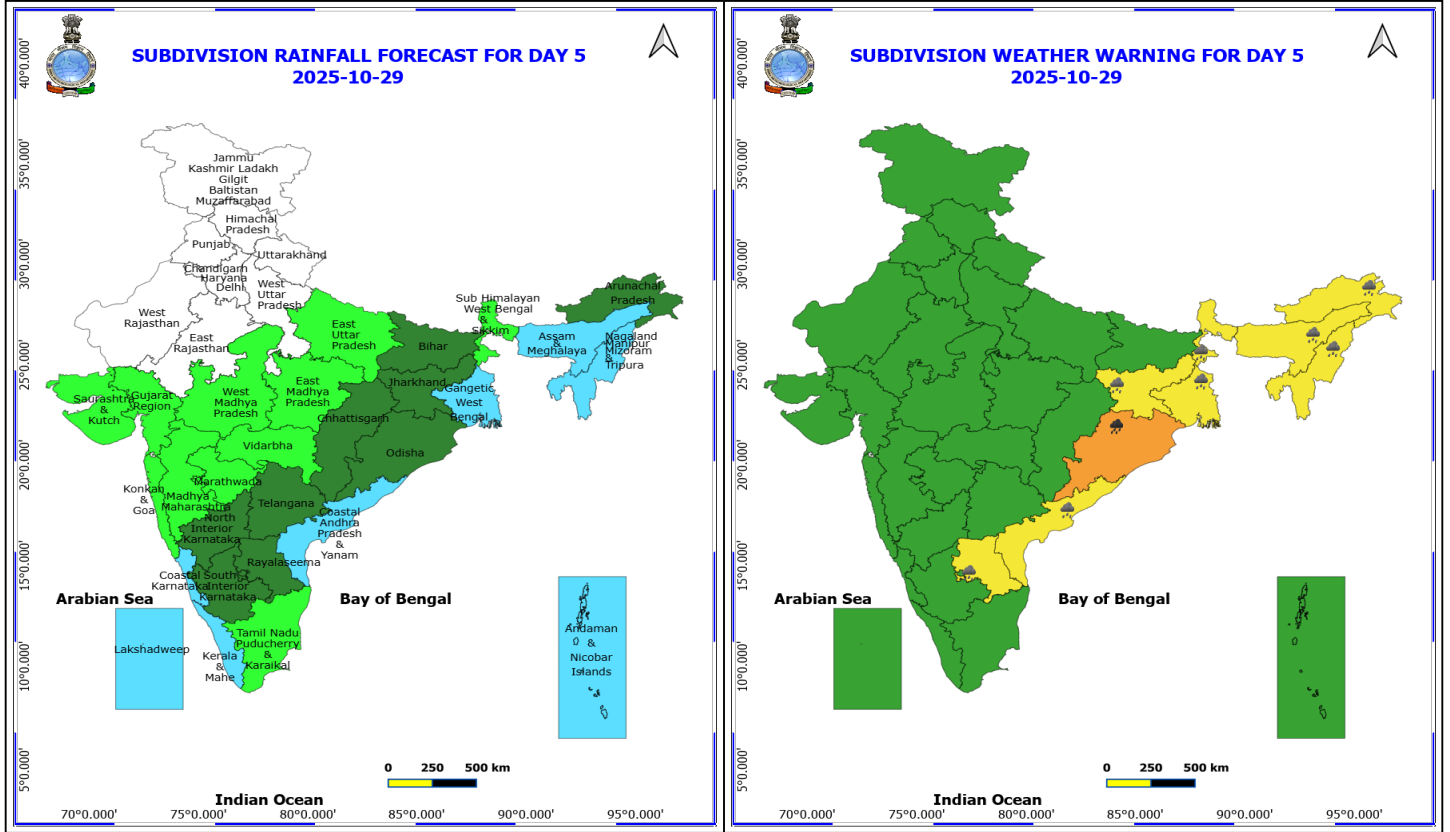
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parts of eastcentral Arabian Sea, central parts of westcentral Bay of Bengal and adjoining areas.



29 October (Day 5)

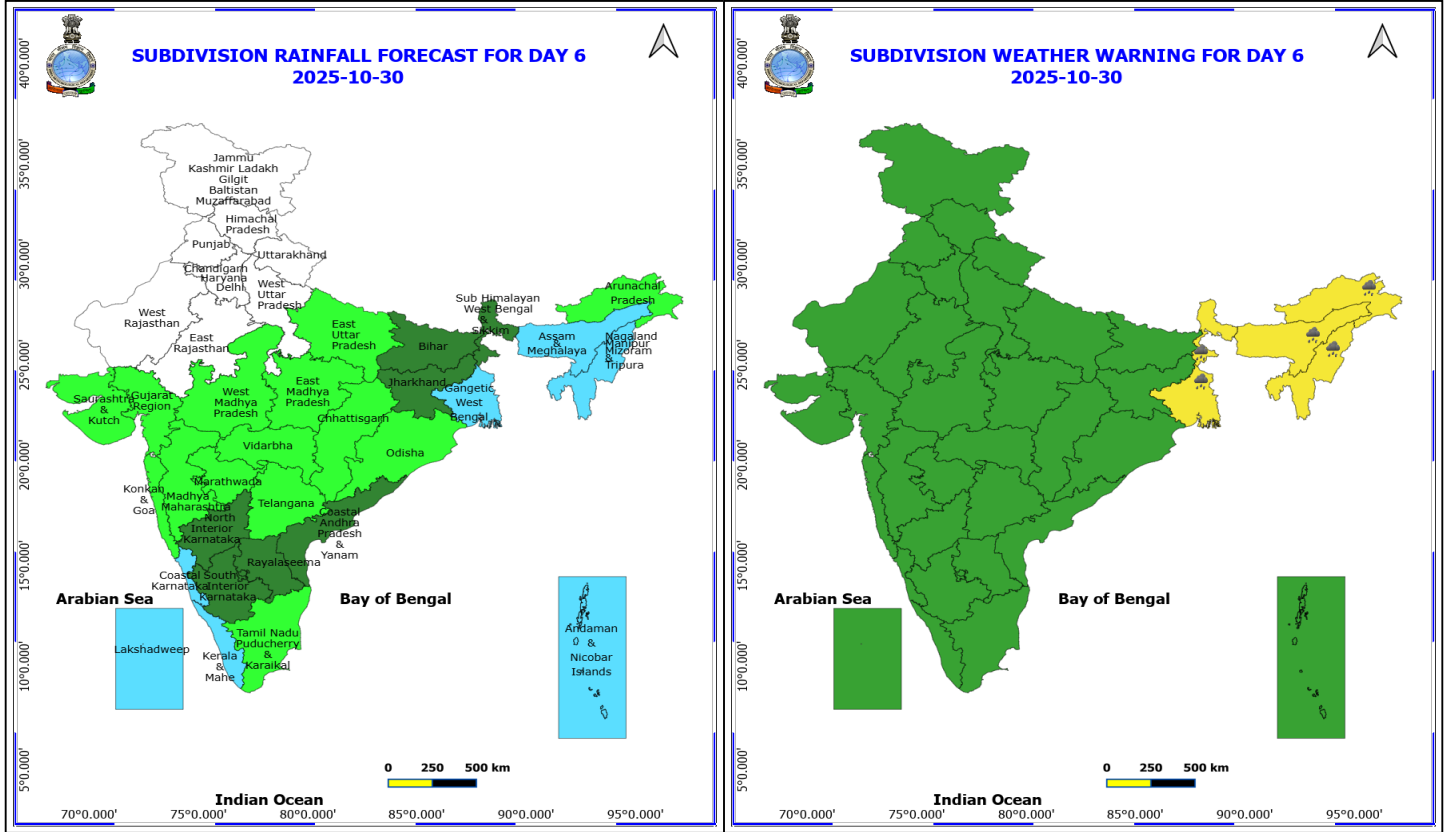
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Odisha.
- ❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Jharkhand, Nagaland, Manipur, Mizoram and Tripura and West Bengal & Sikkim.
- **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail along and off Kerala, Karnataka, Konkan, Goa, Gujarat coasts and adjoining sea areas, over Lakshadweep area, over some parts of southeast Arabian Sea, over eastcentral & adjoining , westcentral Arabian Sea, over Gulf of Mannar, over most parts of south & central Bay of Bengal, along and off Andhra Pradesh coast, and over Andaman Sea.
- **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over northern parts of eastcentral Arabian Sea, central parts of westcentral Bay of Bengal and adjoining areas.

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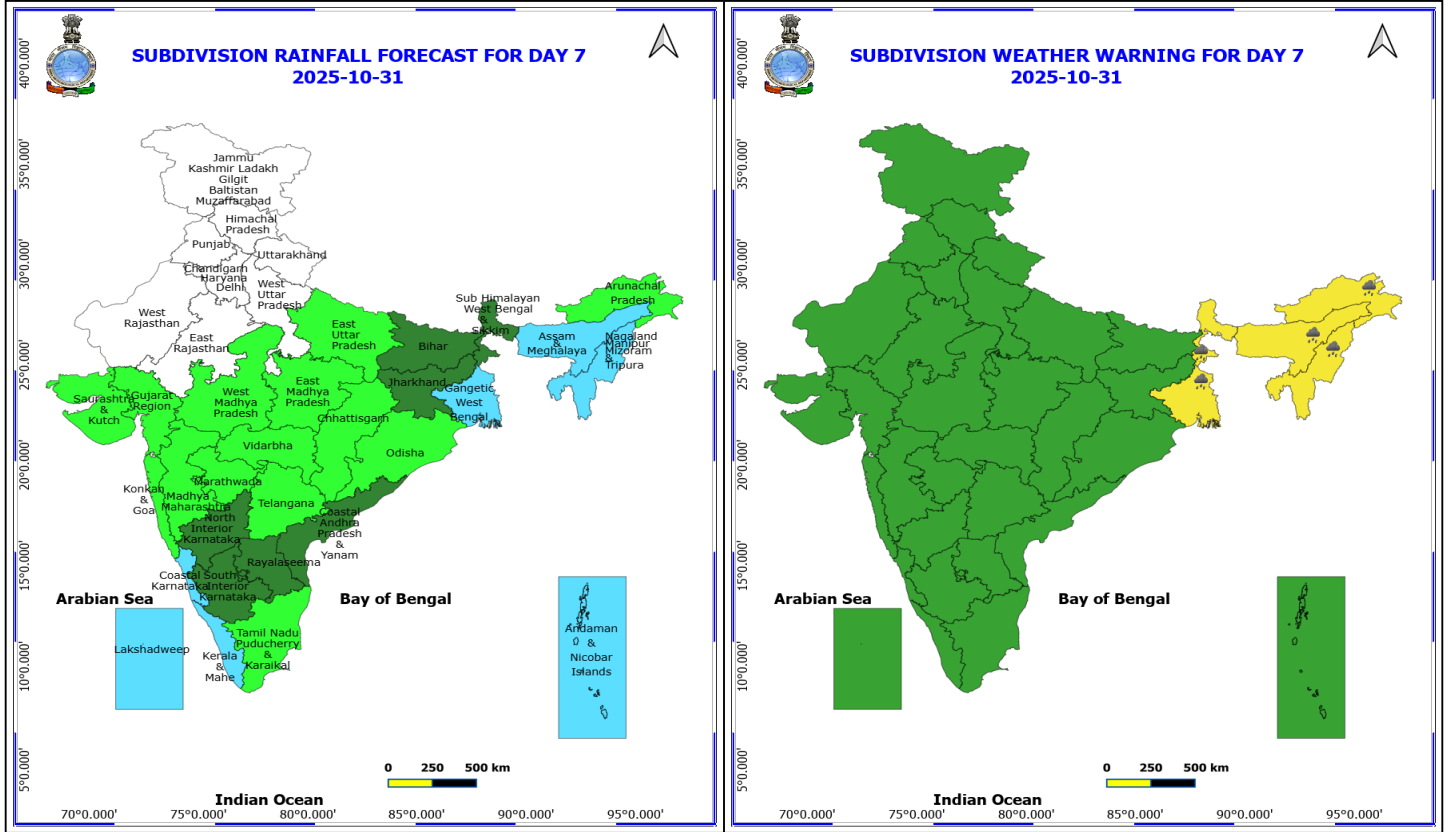
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30 October (Day 6)

❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and West Bengal & Sikkim.

No Fishermen Warning



31 October (Day 7)

❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and West Bengal & Sikkim.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

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

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Fig. 1: Maximum Temperatures Dated 2025-10-24

Fig. 2: Departure of Maximum Temp. Dated 2025-10-24

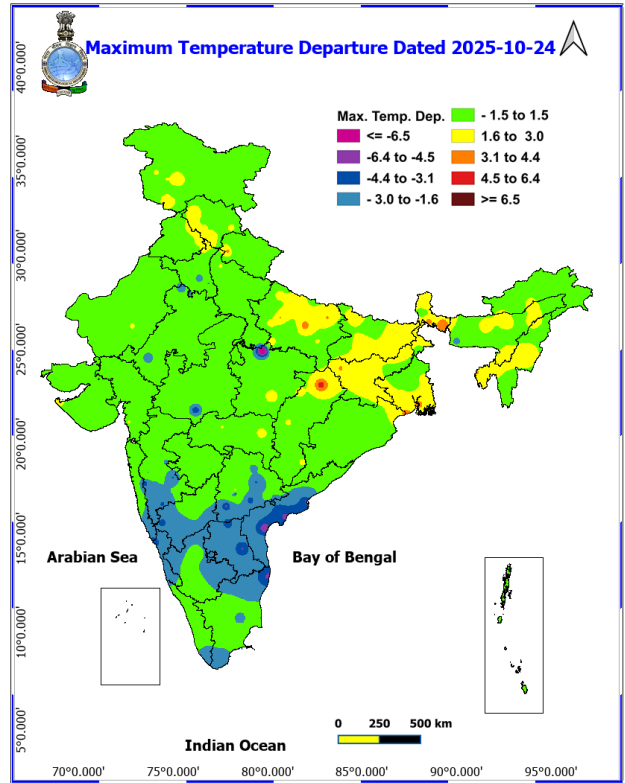
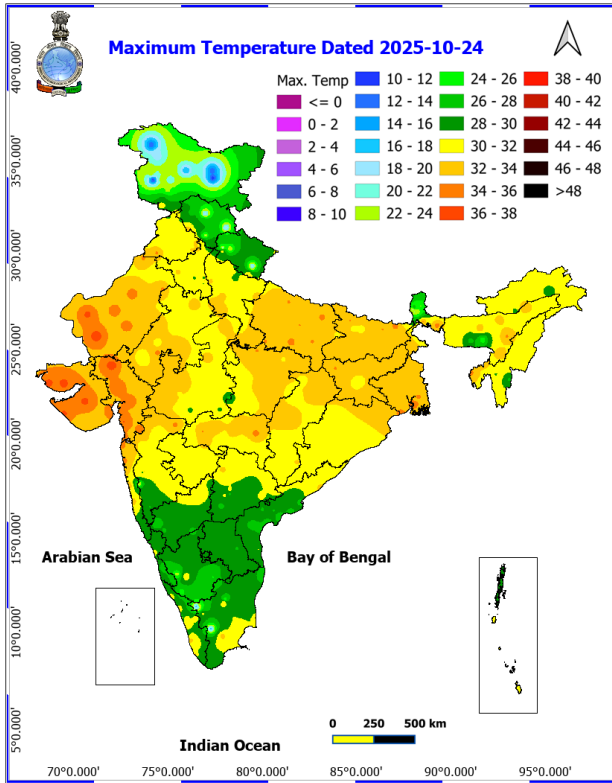
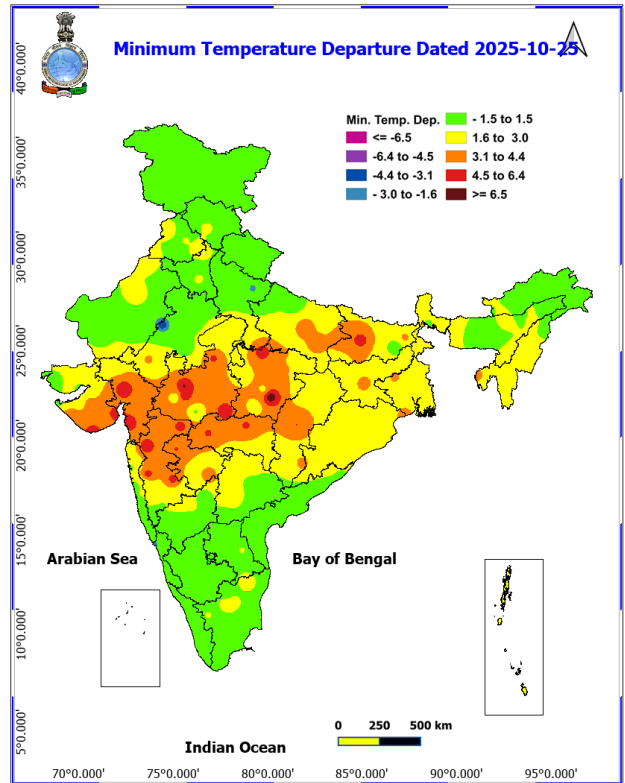
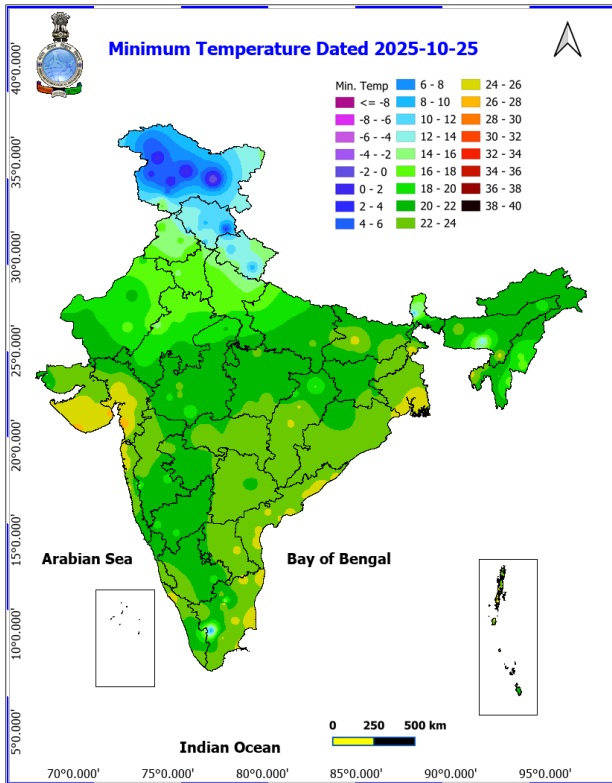
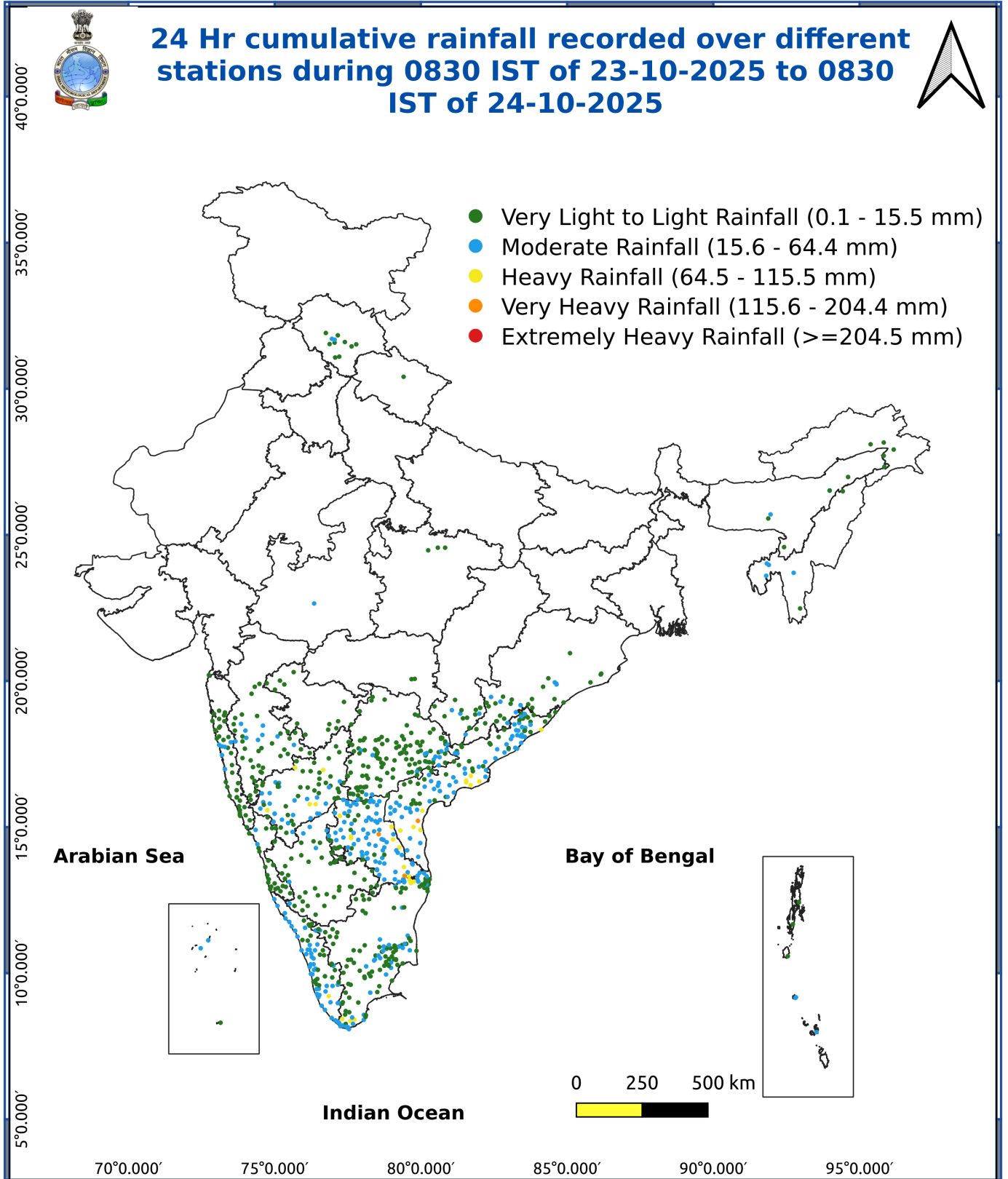


Fig. 3: Minimum Temperatures Dated 2025-10-25

Fig. 4: Departure of Minimum Temp. Dated 2025-10-25





- **Extremely heavy rainfall (≥ 21 cm)** at isolated places over Coastal Andhra Pradesh & Yanam on 27th & 28th and Rayalaseema on 27th October.
- **Very heavy rainfall (12-20 cm)** at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema during 26th-28th; Tamil Nadu & Coastal Karnataka on 27th; Odisha during 27th - 29th October.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments mainly over Bihar, Jharkhand and West Bengal (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall

- In **Andhra Pradesh**, harvest matured groundnut crop and matured cobs of maize only during fair weather / non-rainy period and store the produce in safe places. Make arrangements to drain out excess water from fields of rice, maize, pigeon pea, black gram, green gram, cotton, groundnut, turmeric, ginger, vegetables and plantations of banana, coconut and arecanut. Avoid sowing of *rabi* crops (*rabi* maize, Bengal gram etc.) until the soil moisture reaches at optimum level.
- In **Tamil Nadu**, harvest matured rice and groundnut crops only during fair weather and store the harvested produce of rice, groundnut and harvested banana bunches in safer places. Make arrangements to drain out excess water from fields of rice, sugarcane, cotton, black gram, maize and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation. Avoid transplanting or direct sowing of rice and sowing of maize and cotton during heavy rainfall.
- In **Kerala**, keep the harvested produce of rice and vegetables in safer places. Drain out excess water from fields of rice, vegetables and plantations of banana, coconut, arecanut, cardamom and black pepper.
- In **Coastal Karnataka**, provide adequate drainage facilities in fields of rice and plantations of coconut, arecanut and black pepper. In **North Interior Karnataka**, shift the harvested produce of maize, groundnut and soybean to safer places. Drain out excess water from standing crop fields.
- In **Konkan**, keep the harvested produce of rice and finger millet in safer places. In **Madhya Maharashtra**, store the harvested produce of rice, soybean, maize, groundnut and pearl millet in safe places.
- In **Gujarat**, harvest the matured crops of rice, groundnut, soybean, black gram, green gram, sesame, maize, pearl millet and vegetables only during fair weather and store the produce in safe places.
- In **Andaman and Nicobar Islands**, store the harvested produce of rice at safe places to avoid degradation. Make arrangements for drainage of excess water from fields of rice, vegetables and plantation crops.

Livestock / Fishery

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

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

- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.
- Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.

Legends & abbreviations:

Region wise classification of meteorological Sub-Divisions:

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

- 1 अंडमान और निकोबार 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 चंडिगढ़ 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 मराठावाडा
- 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 | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow |
| Thunderstorm & Lightning | Hailstorm | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

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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 atleast 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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