

2025-10-18

Time of Issue: 13:28:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather warning:

South Peninsular India:

- Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe during 18th-24th; South Interior Karnataka during 18th-20th & 22nd-24th; Coastal Karnataka on 18th, 19th, 23th & 24th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 22nd-24th October; with **very heavy rainfall** over interior Tamil Nadu on 18th; north Tamil Nadu & adjoining coastal Tamil Nadu on 22nd & 23rd; Kerala & Mahe and Lakshadweep on 18th & 19th; south Coastal Andhra Pradesh & Yanam and Rayalaseema on 23rd & 24th October.
- Thunderstorm with lightning/gusty winds (speed reaching 30-40 kmph) likely over the region during next 5 days.
- Strong surface winds (speed reaching 30-40 kmph) likely over South Interior Karnataka and Coastal Andhra Pradesh & Yanam on 23rd & 24th October.

East & Central India:

- Light to moderate rain/thunderstorm at many places with isolated **heavy rainfall** over Nicobar on 18th; Andaman & Nicobar Islands during 19th-22nd October.
- Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) likely over Odisha during 19th-21st; Andaman & Nicobar Islands during 18th-22nd; with lightning over West Madhya Pradesh on 18th, 21st & 22nd; Chhattisgarh during 20th-22nd; East Madhya Pradesh & Vidarbha on 21st & 22nd October.

West India:

- Thunderstorm with lightning likely over Konkan & Goa and south Madhya Maharashtra during 18th -22nd; Marathwada on 21st & 22nd October.

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Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep; **at a few places** over Andaman & Nicobar Islands, Rayalaseema, Coastal Karnataka and South Interior Karnataka; **at isolated places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana and North 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): **Tamil Nadu, Puducherry & Karaikal**: Rajapalayam (dist Virudhunagar) 18; Thekkadi (dist Theni), Gummidipoondi (dist Tiruvallur) 16 Each; Ponneri (dist Tiruvallur) 14; Coonoor PTO (dist Nilgiris), Kayalpattinam (dist Toothukudi) 12 Each; Kalugumalai (dist Toothukudi), Alakarai Estate (dist Nilgiris) 11 Each; Ayikudi (dist Tenkasi), Shencottah (dist Tenkasi), Thenkasi (dist Tenkasi), Nalumukku (dist Tirunelveli) 10 Each; Coonoor (dist Nilgiris), Vembakottai (dist Virudhunagar), Burliar (dist Nilgiris), Mambzathuraiyaru (dist Kanyakumari), Gundar Dam (dist Tenkasi), Ramanadhi Dam (dist Tenkasi), Shanmuganadhi (dist Theni), Kakkachi (dist Tirunelveli) 9 Each; Mannargudi (dist Tiruvarur), Tenkasi AWS (dist Tenkasi), Adar Estate (dist Nilgiris), Adayamadai (dist Kanyakumari), Anaikedanku (dist Kanyakumari), Gadana Dam (dist Tenkasi), Kil Kotagiri Estate (dist Nilgiris), Manjolai (dist Tirunelveli), Oothu (dist Tirunelveli) 8 Each; Periyar (dist Theni), Sivagiri (dist Tenkasi), Ottapadiram (dist Toothukudi), Tiruchendur (dist Toothukudi), Tuticorin Rly ARG (dist Toothukudi), Mandapam (dist Ramanathapuram), Ayyampettai (dist Thanjavur), Budalur (dist Thanjavur), Billimalai Estate (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris), Ramnadu Kvk AWS (dist Ramanathapuram) 7 Each; **Lakshadweep**: Amini (dist Lakshadweep) 10; Agathi (dist Lakshadweep) 9; **Kerala & Mahe**: Myladumpara ARG (dist Idukki), Pampadumpara AWS (dist Idukki) 9 Each; Thodupuzha (dist Idukki), Vellanikkara (dist Thrissur) 8 Each; Aryankavu (dist Kollam), Neryamangalam ARG (dist Ernakulam) 7 Each; **Rayalaseema**: Tada (dist Tirupati) 8.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rain** at isolated places over Tamil Nadu, Puducherry & Karaikal. **Heavy rain** at isolated places over Rayalaseema and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 18-10-2025)**: **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Bihar. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Saurashtra & Kutch, Madhya Maharashtra and Vidarbha. **above normal(1.6°C to 3.0°C)** at many places over Nagaland, Manipur, Mizoram & Tripura and Punjab; at few places over Marathwada; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over West Rajasthan, East Rajasthan and East Madhya Pradesh; at most places over Arunachal Pradesh, Jharkhand, Gujarat Region, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka and Kerala & Mahe; at few places over Odisha, West Madhya Pradesh and Lakshadweep. **The lowest minimum temperature** of 14.0°C is reported at MANDI (HIMACHAL PRADESH), and SIKAR (RAJASTHAN) over the Plains of India.

❖ **Maximum Temperature Departures (as on 17-10-2025)**: **markedly above normal(> 5.1°C)** at isolated places over Uttarakhand, Himachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim and Coastal Karnataka; at isolated places over Assam & Meghalaya, Saurashtra & Kutch and Konkan & Goa. **above normal(1.6°C to 3.0°C)** at many places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, East Uttar Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, North Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Bihar, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat Region and South Interior Karnataka; at most places over Punjab, West Rajasthan and Chhattisgarh; at few places over Haryana-Chandigarh-Delhi, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at isolated places over Rayalaseema. **The highest maximum temperature** of 37.6°C is reported at BARMER (RAJASTHAN).

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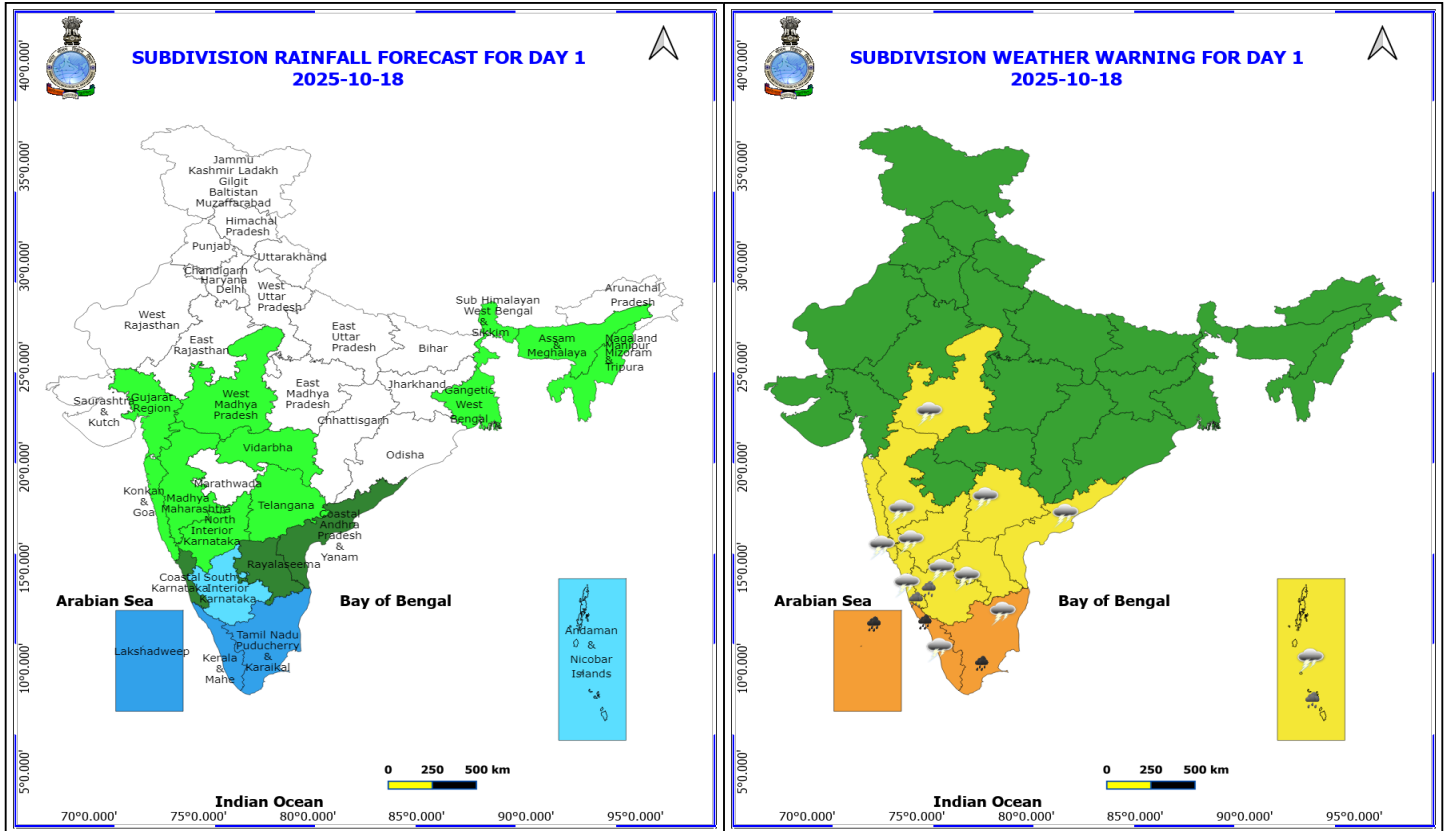


Meteorological Analysis (Based on 0830 hours IST)

- The **Low-Pressure** area over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts persisted over the same region and became **well marked low pressure area** at 0830 hrs IST of today, the 18th October 2025. The associated cyclonic circulation extends upto 5.8 km above mean sea level. It is likely to move west north-westwards and intensify into a **depression** during next 36 hours.
- The **upper air cyclonic circulation** over southwest Bay of Bengal and adjoining Comorin area now lies over Gulf of Mannar & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over south Andaman Sea & adjoining southeast Bay of Bengal and extends upto 1.5 km above mean sea level. Under its influence, a **Low Pressure area** is likely to form over southeast Bay of Bengal around 21st October. It is likely to move west-northwestwards and intensify further into a **depression** over central parts of south Bay of Bengal and adjoining westcentral Bay of Bengal during subsequent 48 hours.
- A **trough** runs from the cyclonic circulation associated with **well marked Low-Pressure** area over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts to the cyclonic circulation over south Andaman Sea & adjoining southeast Bay of Bengal across south Kerala, south Tamil Nadu, the upper air cyclonic circulation over Gulf of Mannar & neighbourhood southwest Bay of and Bengal upto 1.5 km above mean sea level.
- A feeble **Western Disturbance** likely to impact western Himalayan region from 21st October, 2025.

Weather Outlook for subsequent 3 days

- Fairly widespread to widespread rainfall likely over the south peninsular India.



18 October (Day 1)

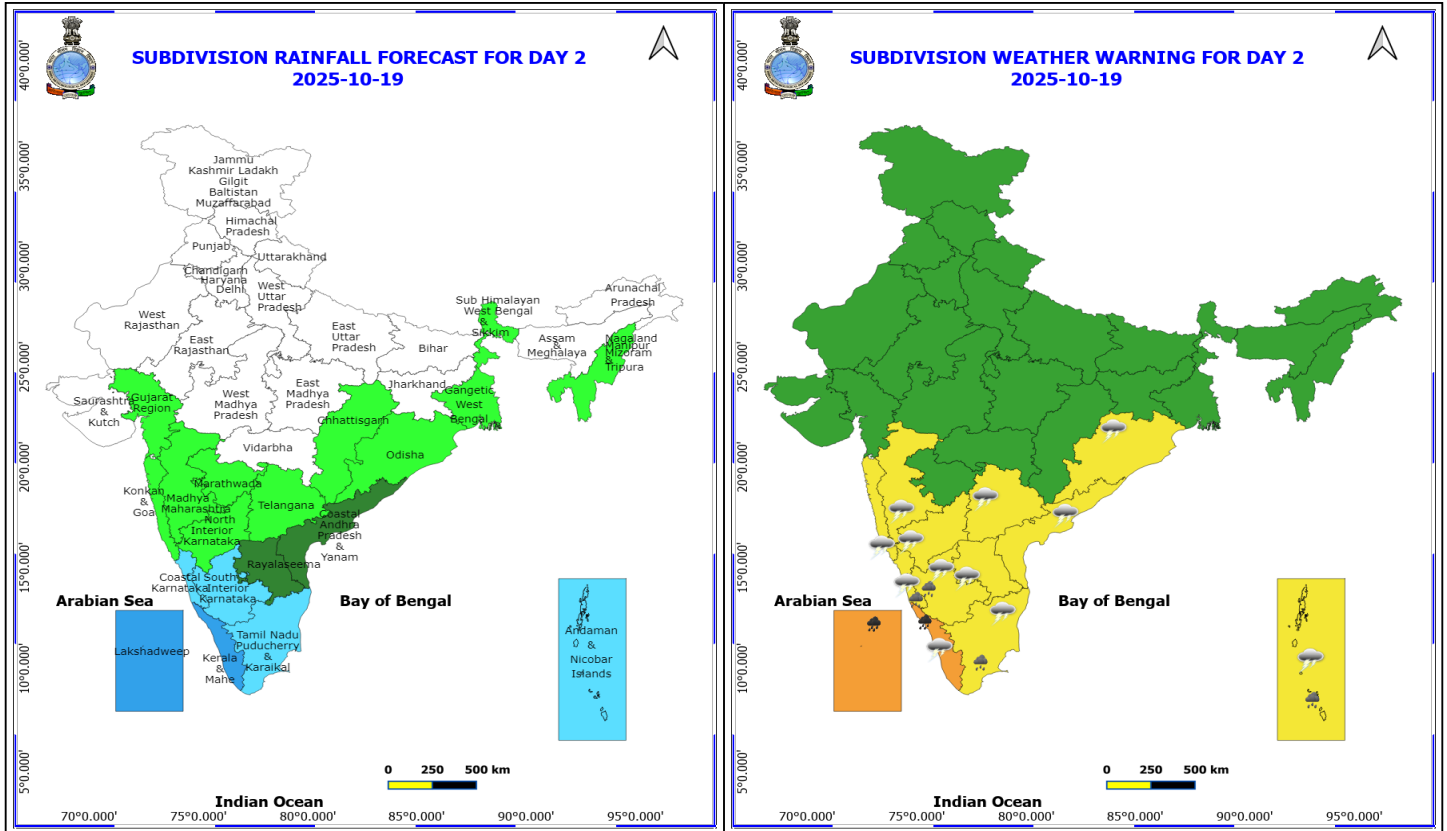
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Coastal Karnataka and South Interior Karnataka.
- ❖ **Thunderstorm accompanied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

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19 October (Day 2)

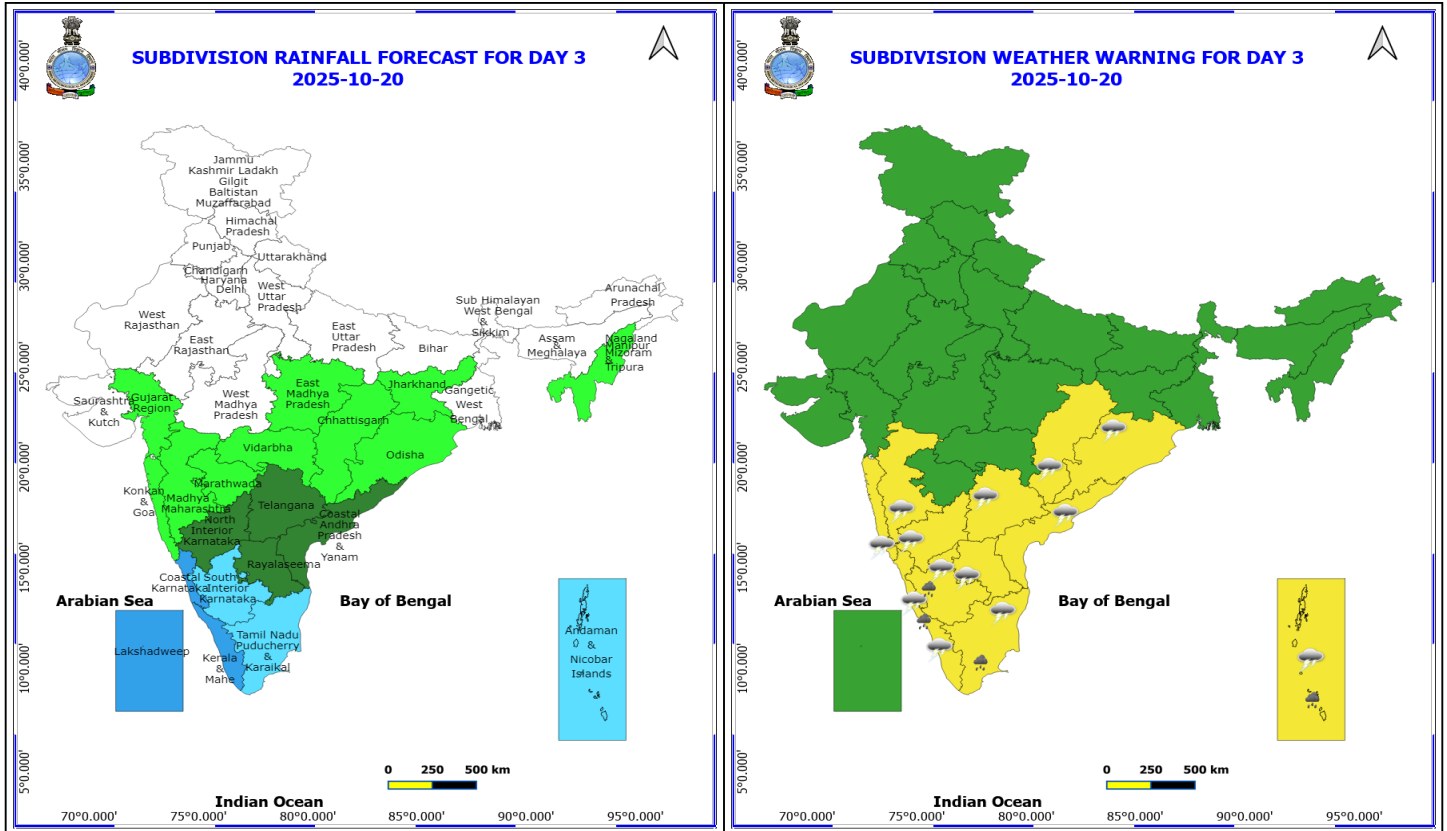
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe and Lakshadweep.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Coastal Karnataka, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Odisha, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, North 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 coasts and adjoining sea areas, over Lakshadweep, Comorin areas, Maldives, most parts of southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea, over Gulf of Mannar.

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20 October (Day 3)

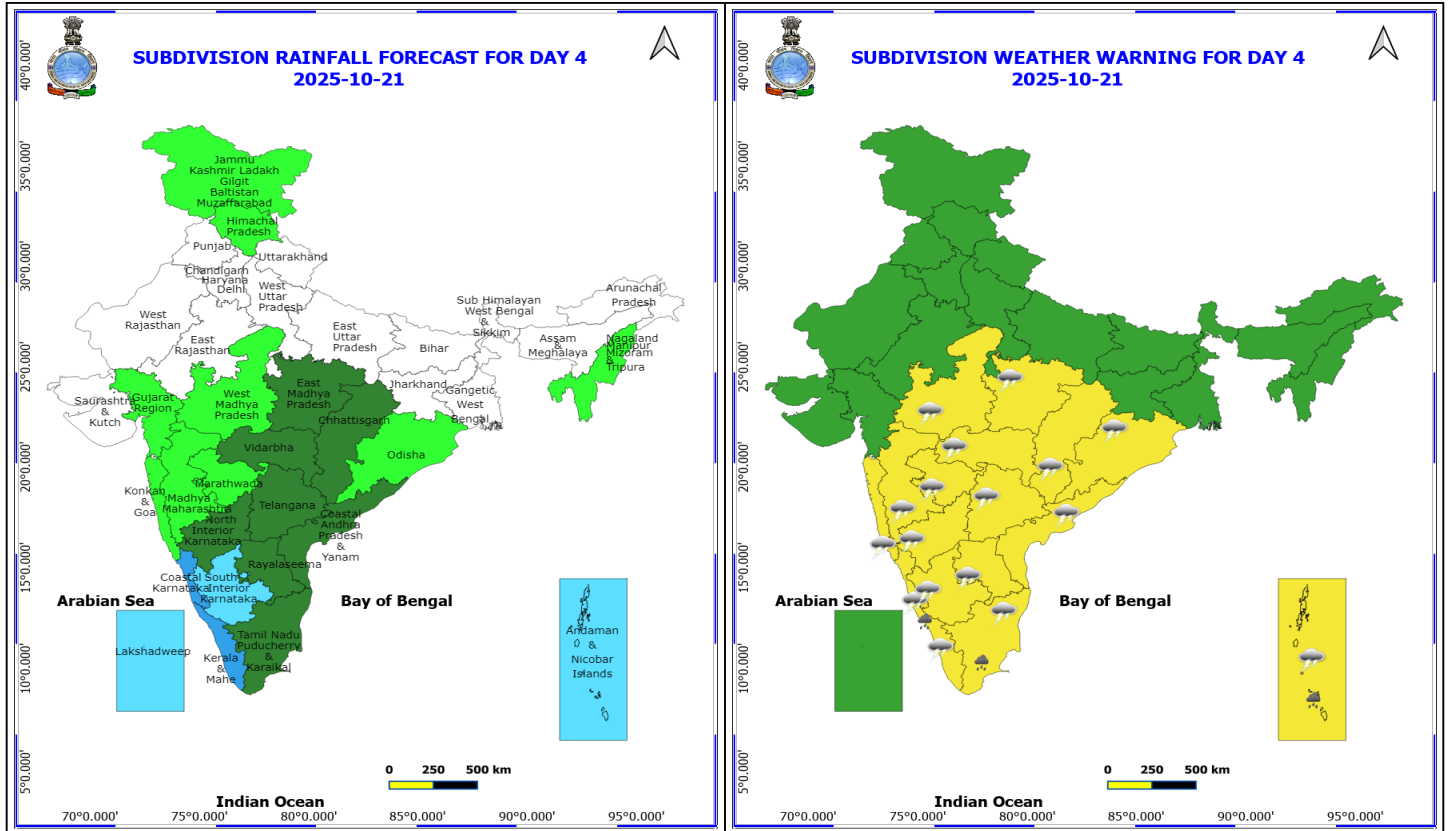
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Kerala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

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21 October (Day 4)

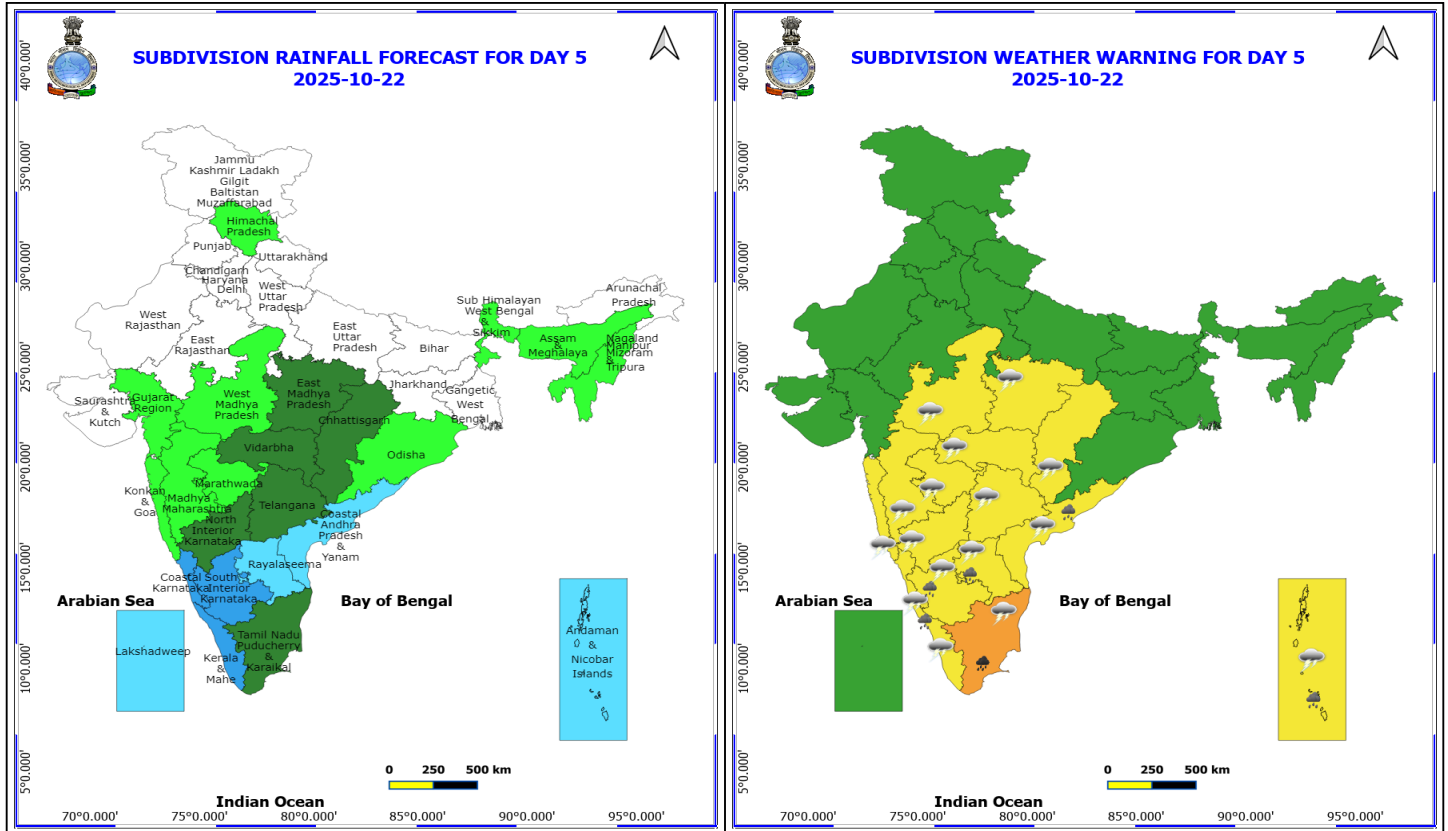
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
 - ❖ **Thunderstorm accompanied with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

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22 October (Day 5)

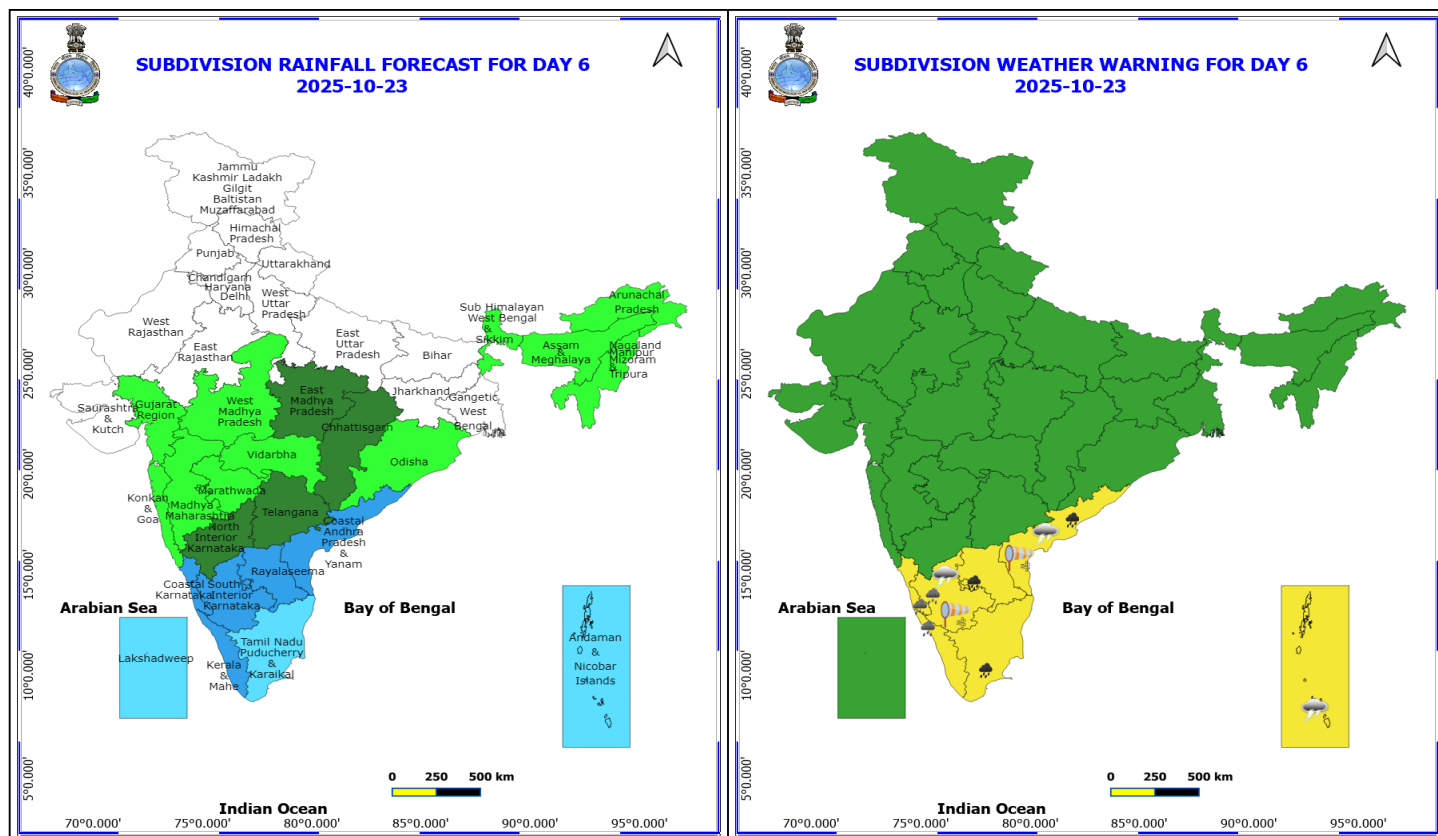
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Kerala & Mahe and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Chhattisgarh, Coastal Karnataka, Konkan & Goa, Madhya Pradesh, Maharashtra, North 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 coasts and adjoining sea areas, over Lakshadweep, Comorin areas, Maldives, southeast Arabian Sea & adjoining, some parts of southwest, westcentral, eastcentral Arabian Sea, over Gulf of Mannar, over many parts of southeast Bay of Bengal and adjoining southwest Bay of Bengal, Andaman Sea.

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23 October (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** likely at isolated places over Coastal Karnataka, Kerala & Mahe and South Interior Karnataka.
- ❖ **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 Coastal Andhra Pradesh and South Interior Karnataka.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh and South Interior Karnataka.

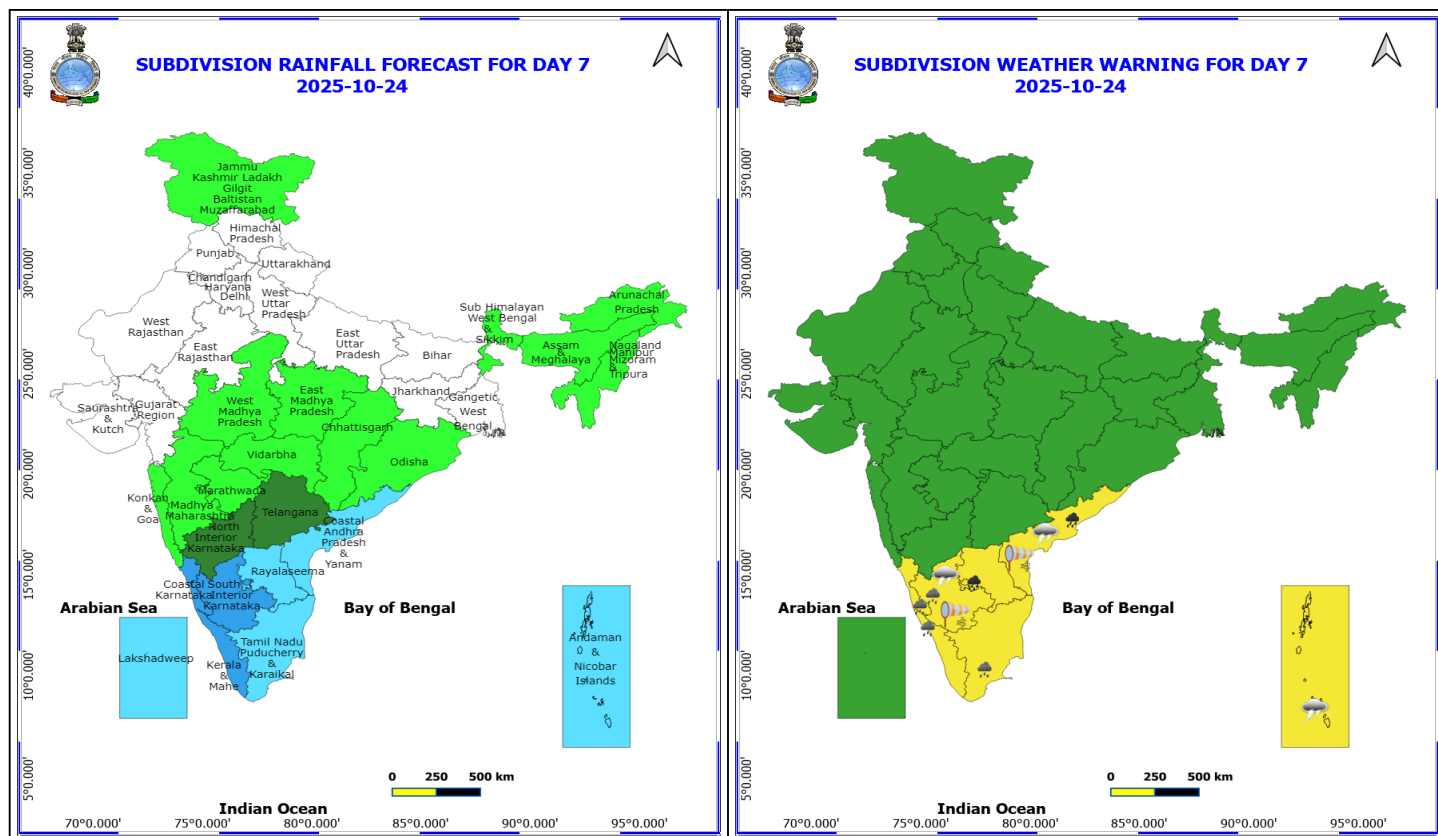
No Fishermen Warning

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24 October (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Andhra Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Coastal Karnataka, Kerala & Mahe, 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 Coastal Andhra Pradesh and South Interior Karnataka.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh and South Interior Karnataka.

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	18- Oct	19- Oct	20- Oct	21- Oct	22- Oct	23- Oct	24- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
4	N. M. M. & T.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	DRY	DRY	ISOL	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	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	ISOL	ISOL	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	ISOL	DRY	DRY	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	DRY	DRY	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	ISOL	SCT	SCT	SCT	ISOL
21	GUJRAT REGION	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	DRY	ISOL	SCT	SCT	ISOL	ISOL
27	CHATTISGARH	DRY	ISOL	ISOL	SCT	SCT	SCT	ISOL
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	SCT	FWS	WS	FWS
29	TELANGANA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	SCT	SCT	SCT	SCT	FWS	WS	FWS
31	TAMILNADU & PUDUCHERRY	WS	FWS	FWS	SCT	SCT	FWS	FWS
32	COSTAL KARNATAKA	SCT	FWS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	FWS	FWS	WS	WS	WS
35	KERALA	WS	WS	WS	WS	WS	WS	WS
36	LAKSHDWEAP	WS	WS	WS	FWS	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 2025-10-17

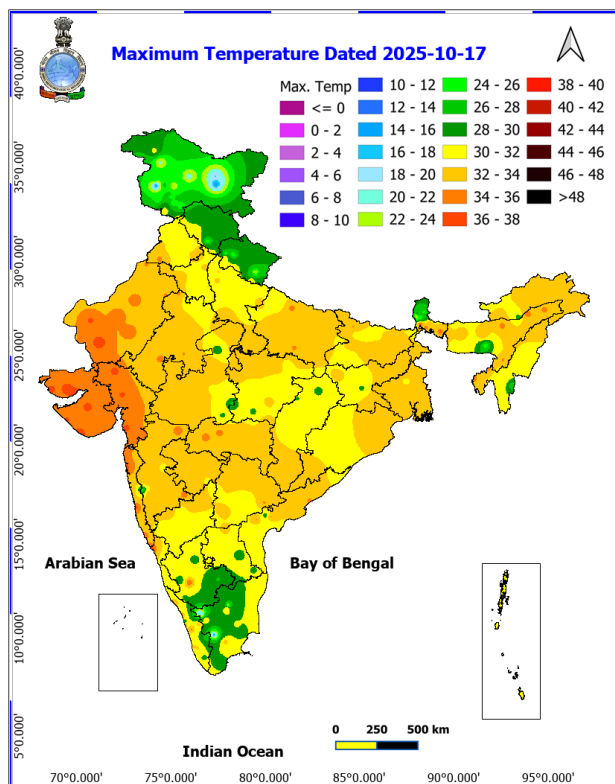


Fig. 2: Departure of Maximum Temp. Dated 2025-10-17

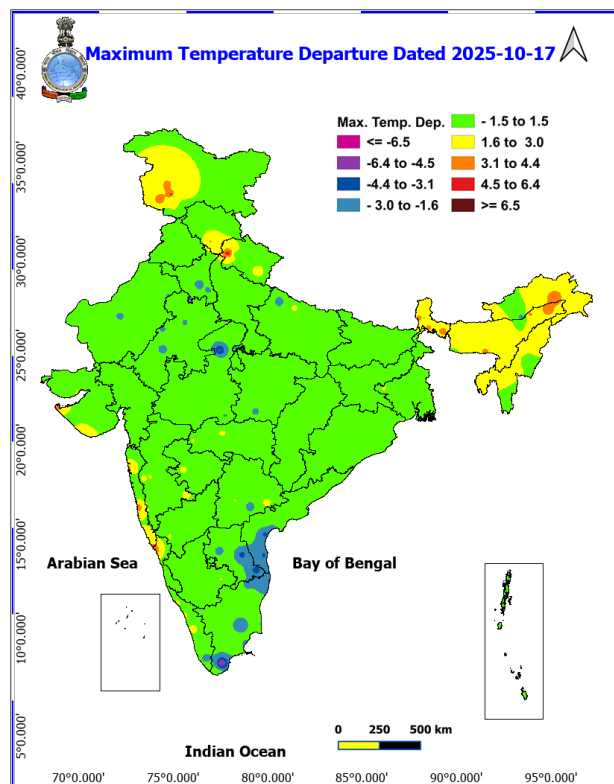


Fig. 3: Minimum Temperatures Dated 2025-10-18

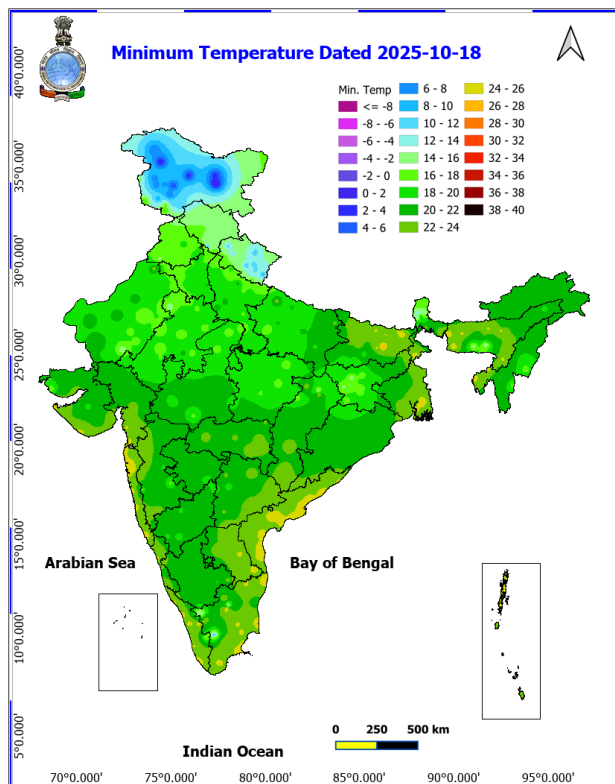
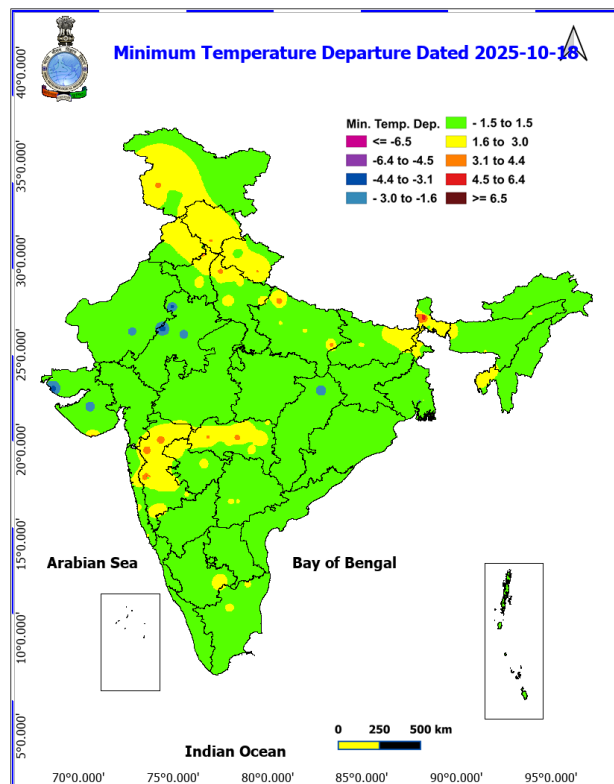
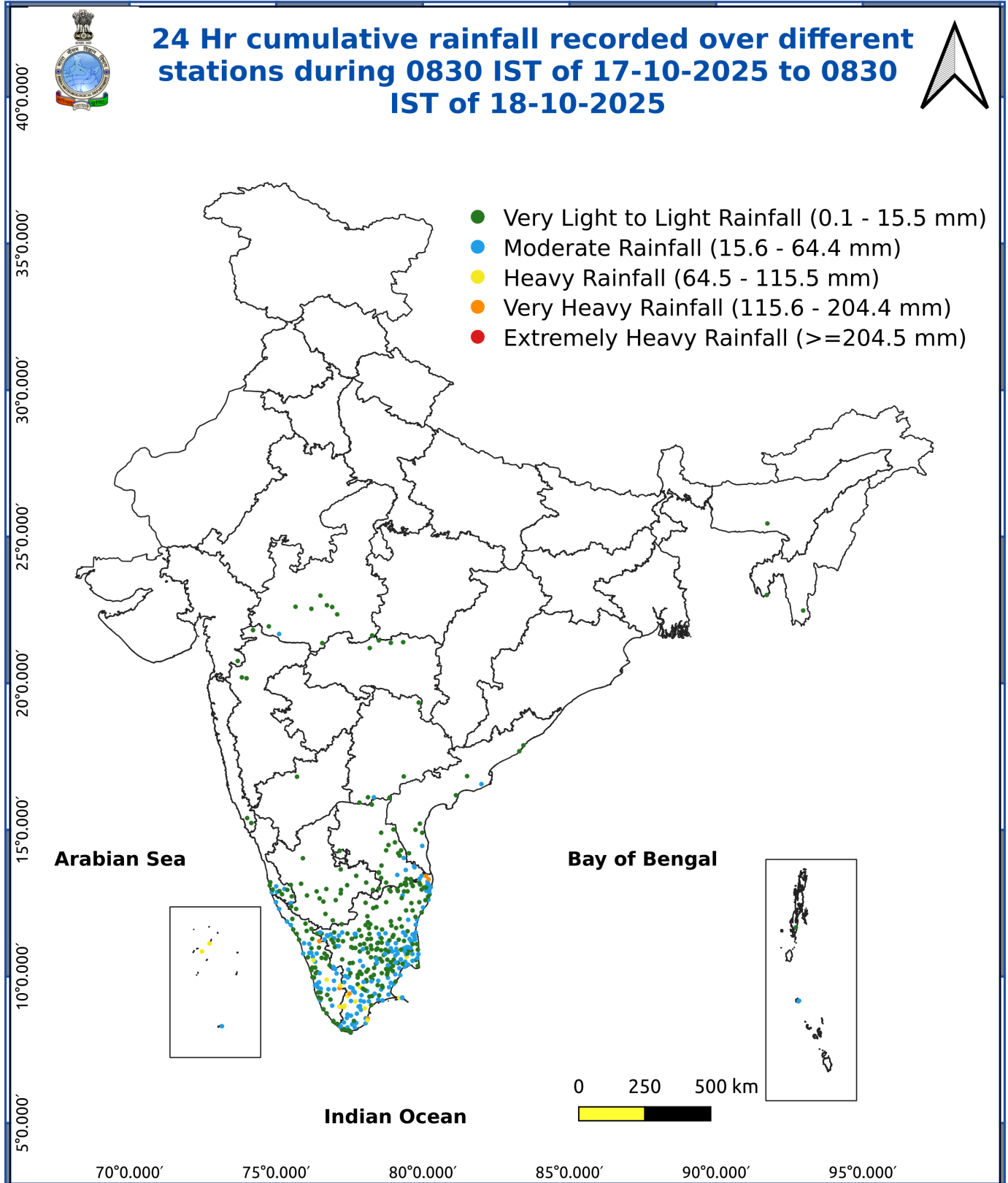


Fig. 4: Departure of Minimum Temp. Dated 2025-10-18





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Impact & Action Suggested due to

- **Very heavy rainfall** at isolated places over interior Tamil Nadu on 18th; north Tamil Nadu & adjoining coastal Tamil Nadu on 22nd & 23rd; Kerala & Mahe and Lakshadweep on 18th & 19th; south Coastal Andhra Pradesh & Yanam and Rayalaseema on 23rd & 24th 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 Rainfall

(Based on the IBF and advisories issued by different AMFUs)

In **Tamil Nadu**, store the harvested produce of rice and groundnut in safer places. Drain out excess water from fields of rice, cotton, black gram, maize, tapioca and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation.

In **Kerala**, keep the harvested produce of rice in safer places. Drain out excess water from fields of rice, vegetables and plantations of banana, coconut, arecanut, cardamom and black pepper.

In **South Interior Karnataka**, keep the harvested produce of groundnut and maize in dry, covered and ventilated areas or cover with tarpaulins in the fields. Harvest matured crops such as rice, pulses, vegetables, cardamom and coffee during dry intervals and store the harvested produce in well-ventilated and moisture-free places. Make necessary arrangements to drain out excess water from fields of rice, maize, finger millet, pulses, groundnut and vegetables and plantations of banana, black pepper, cardamom, coffee, coconut and arecanut to avoid waterlogging.

Livestock / Fishery

Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

Store feed and fodder in a safe place to prevent spoilage.

Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from

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escaping in case of overflow.

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

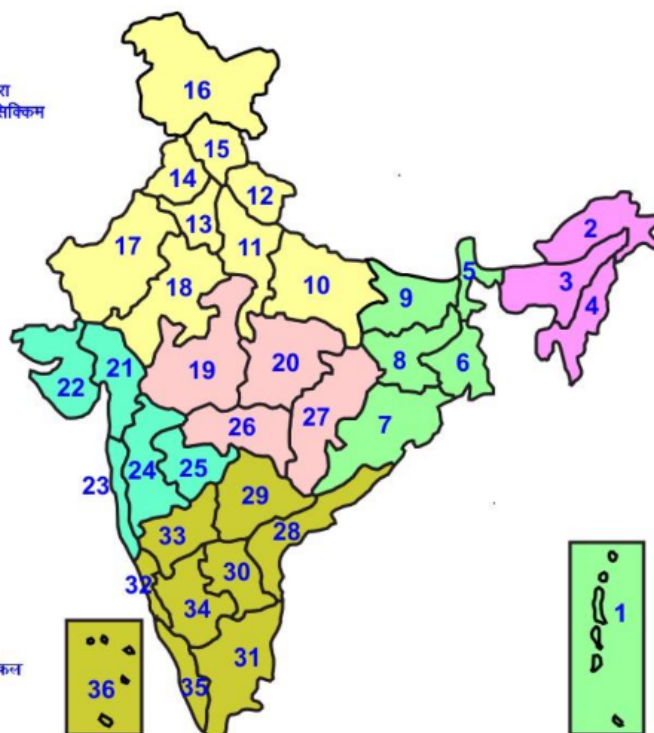
(Based on the IBF and advisories issued by different AMFUs)

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

- 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

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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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