

2026-10-19

Time of Issue: 16:35:00 hours IST
(Evening)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems and Warnings:

Well marked low pressure area over southwest Arabian Sea persisted over the same region at 0830 hrs IST of today, the 19th October, 2026. There could be marginal intensification of the system into a depression over the same region during next 24 hours. It is likely to move initially west-northwestwards, then southwestwards towards Somalia coast during next 2-3 days.

South Peninsular India:

Isolated to Scattered rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 19th-25th October; Coastal Karnataka during 19th-22nd October and on 25th October; North Interior Karnataka on 19th October and during 22nd-24th October; South Interior Karnataka during 19th-20th October and on 25th October; Telangana during 19th-21st October.

Fairly Widespread to Widespread rainfall likely over Kerala & Mahe and Lakshadweep during 19th-25th October; Coastal Karnataka during 23rd-24th October; South Interior Karnataka during 21st-24th October.

Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Tamil Nadu, Puducherry & Karaikal during 19th-25th October; Kerala & Mahe and Lakshadweep during 21st-23rd October; Coastal Andhra Pradesh & Yanam during 20th-21st October; Rayalaseema on 19th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe and Lakshadweep during 19th-20th October; North Interior Karnataka during 22nd-23rd October; South Interior Karnataka during 21st-23rd October; Coastal Andhra Pradesh & Yanam on 19th October; Rayalaseema during 20th-23rd October; Telangana during 19th-21st October.

Isolated thunderstorm & lightning likely over Coastal Karnataka during 19th-23rd October; North Interior Karnataka on 19th October; South Interior Karnataka during 19th-20th October.

Isolated heavy rainfall likely over Lakshadweep and Tamil Nadu, Puducherry & Karaikal during 22nd-25th October; Kerala & Mahe during 19th-25th October; South Interior Karnataka during 21st-24th October; Coastal Andhra Pradesh & Yanam during 19th-21st October; Rayalaseema on 21st October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 19th-21st October.

Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam during 19th-21st October; Rayalaseema during 19th-23rd October.

East India:

Isolated to Scattered rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim on 19th October; Odisha during 19th-22nd October.

Fairly Widespread to Widespread rainfall likely over Andaman & Nicobar Islands during 20th-25th October.

Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) likely over Andaman & Nicobar Islands and Odisha during 19th-20th October.

Isolated heavy rainfall likely over Andaman & Nicobar Islands on 20th October and during 23rd-25th October.

Northwest, Central, West & Northeast India:

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

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Fishermen Warning:

Arabian Sea: Along and off Kerala, Karnataka coasts, Lakshadweep Area during 22nd to 24th October and over southwest Arabian sea adjoining sea Areas during 19th to 22nd October 2026.

Bay of Bengal: No Warning.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Andaman & Nicobar Islands; **at a few places** over Rayalaseema, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep; **at isolated places** over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal 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**: Periyanaickenpalayam (dist Coimbatore) 18; Coimbatore AWS (dist Coimbatore) 11; Tnau Coimbatore (dist Coimbatore), Kovilankulam (dist Virudhunagar) 8 Each; Sivakasi (dist Virudhunagar) 6; **West Madhya Pradesh**: Guna-aws (dist Guna) 11; **Coastal Karnataka**: Subramanya (dist Dakshina Kannada) 9; **Kerala & Mahe**: Munakkal AWS (dist Thrissur) 7.

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

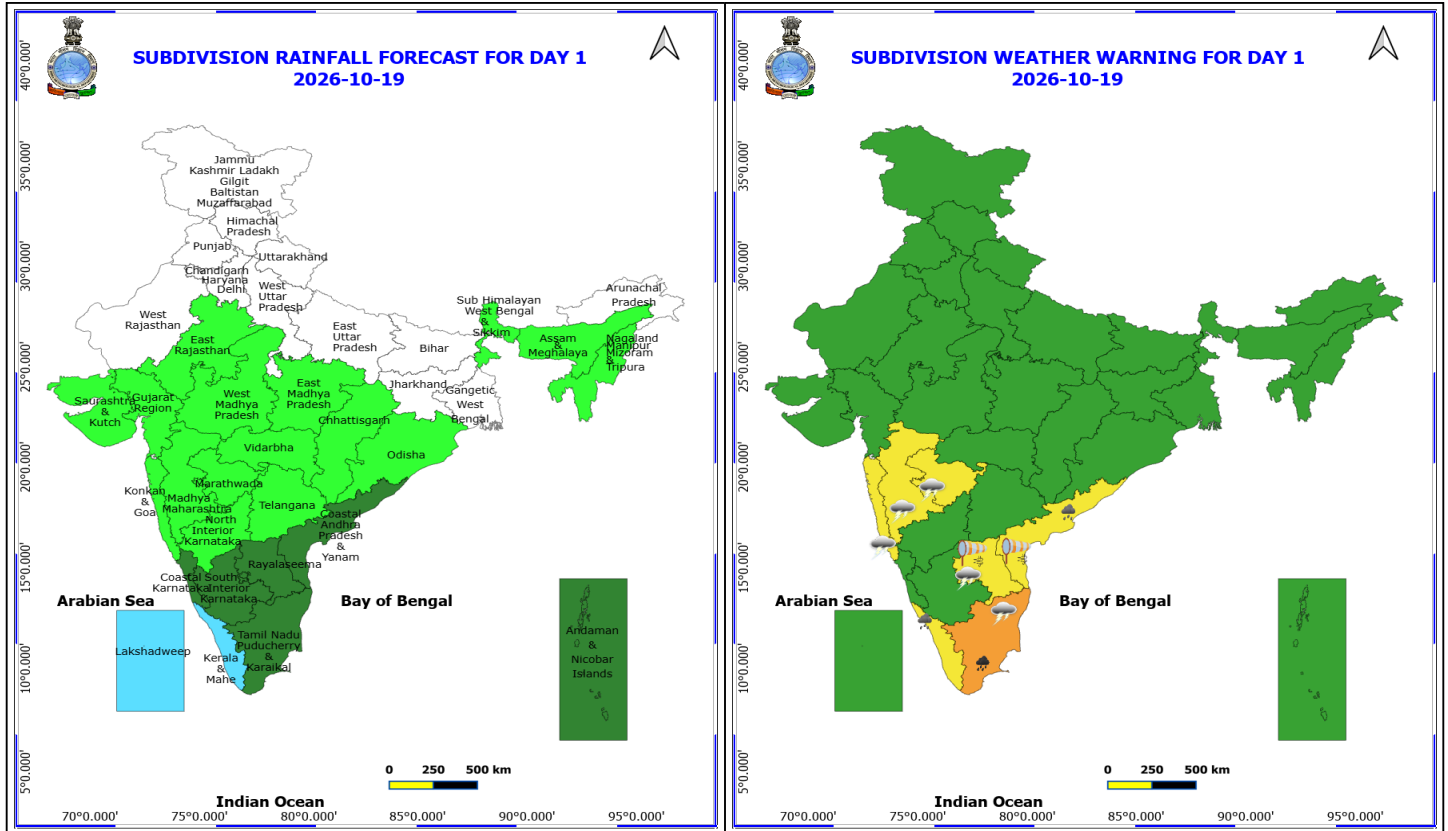
❖ **Minimum Temperature Departures (as on 19-10-2026)**: **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over Madhya Maharashtra; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region and Konkan & Goa. **above normal(1.6°C to 3.0°C)** at many places over West Rajasthan, Chhattisgarh, North Interior Karnataka, Kerala & Mahe and Lakshadweep; at few places over Odisha, Bihar, West Uttar Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Gangetic West Bengal, East Uttar Pradesh, Uttarakhand, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, Rayalaseema and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh, Saurashtra & Kutch, Marathwada, Vidarbha, Rayalaseema and Coastal Karnataka; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Coastal Andhra Pradesh & Yanam and South Interior Karnataka; at few places over Assam & Meghalaya, Odisha, Bihar, Uttarakhand, East Rajasthan, West Madhya Pradesh, Gujarat Region, Konkan & Goa, Chhattisgarh, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka, Kerala & Mahe and Lakshadweep; at isolated places over West Rajasthan and Madhya Maharashtra. **The lowest minimum temperature** of 12.4°C was reported at MANDI (HIMACHAL PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 18-10-2026)**: **markedly above normal(> 5.1°C)** at few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya. **appreciably above normal(3.1°C to 5.0°C)** at few places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at few places over Himachal Pradesh and Konkan & Goa; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Gujarat Region. **near normal(-1.5°C to 1.5°C)** at many places over Kerala & Mahe; at most places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim and Lakshadweep; at few places over Gangetic West Bengal, Uttarakhand, Punjab and West Rajasthan; at isolated places over Odisha, Bihar, East Rajasthan, Vidarbha and Tamil Nadu, Puducherry & Karaikal. **The highest maximum temperature** of 37.8°C was reported at BARMER (RAJASTHAN).



Meteorological Analysis (Based on 1430 hours IST)

- The **Well Marked low pressure** area over southwest Arabian Sea persisted over the same region at 1430 hrs IST of today, the 19th October, 2026. The associated cyclonic circulation extends upto 9.6 km above mean sea level. There could be marginal intensification of the system into a depression temporarily over the same region during next 24 hours. It is likely to be quasi-stationary over the same region during next 12 hours and then move initially west-northwestwards till 21st October and then southwestwards towards Somalia coast on 22nd Oct.
- The **upper air cyclonic circulation** over Southwest Bay of Bengal off north Tamilnadu coasts extending upto 5.8 km above mean sea level persists.
- The **trough** from the above cyclonic circulation over Southwest Bay of Bengal & adjoining north Tamilnadu coasts to Northwest Bay of Bengal between 1.5 & 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over North Interior Karnataka & neighbourhood at 1.5 km above mean sea level persists.
- The **Western Disturbance** as a **cyclonic circulation** over Himachal Pradesh & adjoining Punjab at 3.1 km above mean sea level with a trough aloft in middle tropospheric levels with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the North of Lat. 32°N persists.
- The **trough** from Southwest Rajasthan to Northeast Arabian sea at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over south Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over northwest Uttar Pradesh & neighbourhood and extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over Gulf of Thailand & neighbourhood extending upto 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over southeast Bangladesh and adjoining Tripura at 1.5 km above mean sea level persists.



19 October (Day 1)

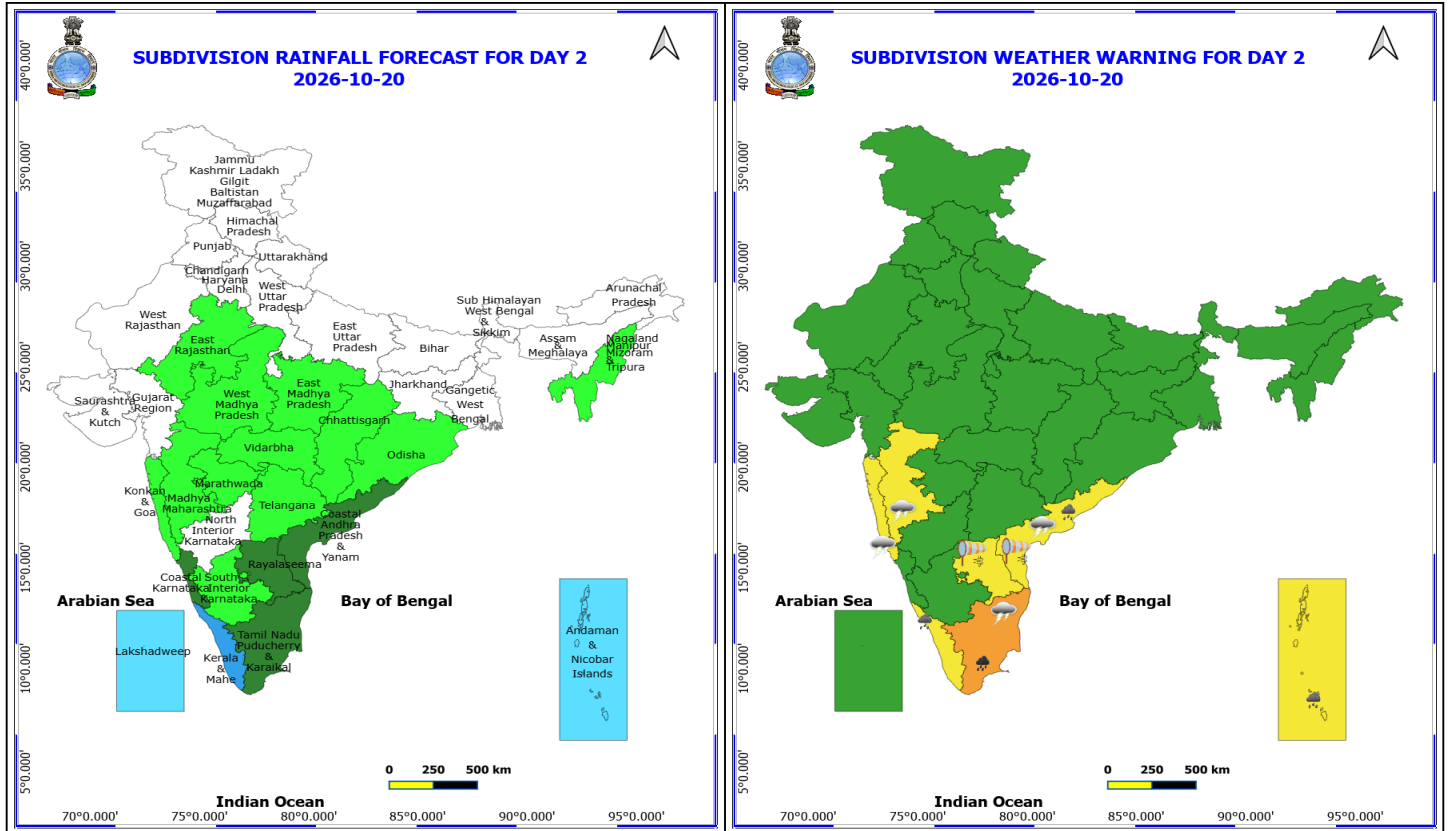
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated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

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20 October (Day 2)

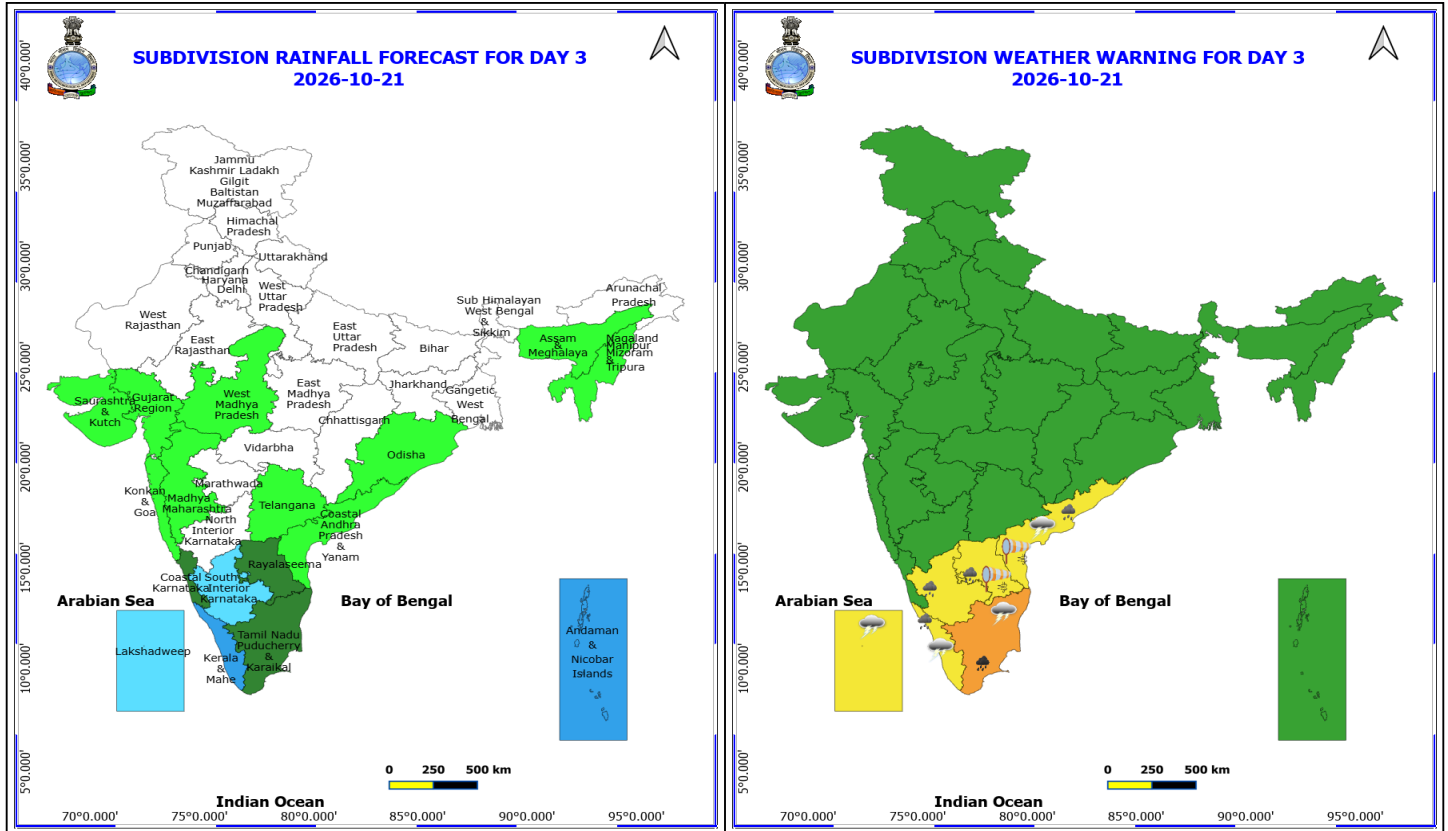
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh, 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, East Rajasthan, Kerala & Mahe, Lakshadweep, Madhya Pradesh, Odisha, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Karnataka and South Interior Karnataka.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ 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 3)

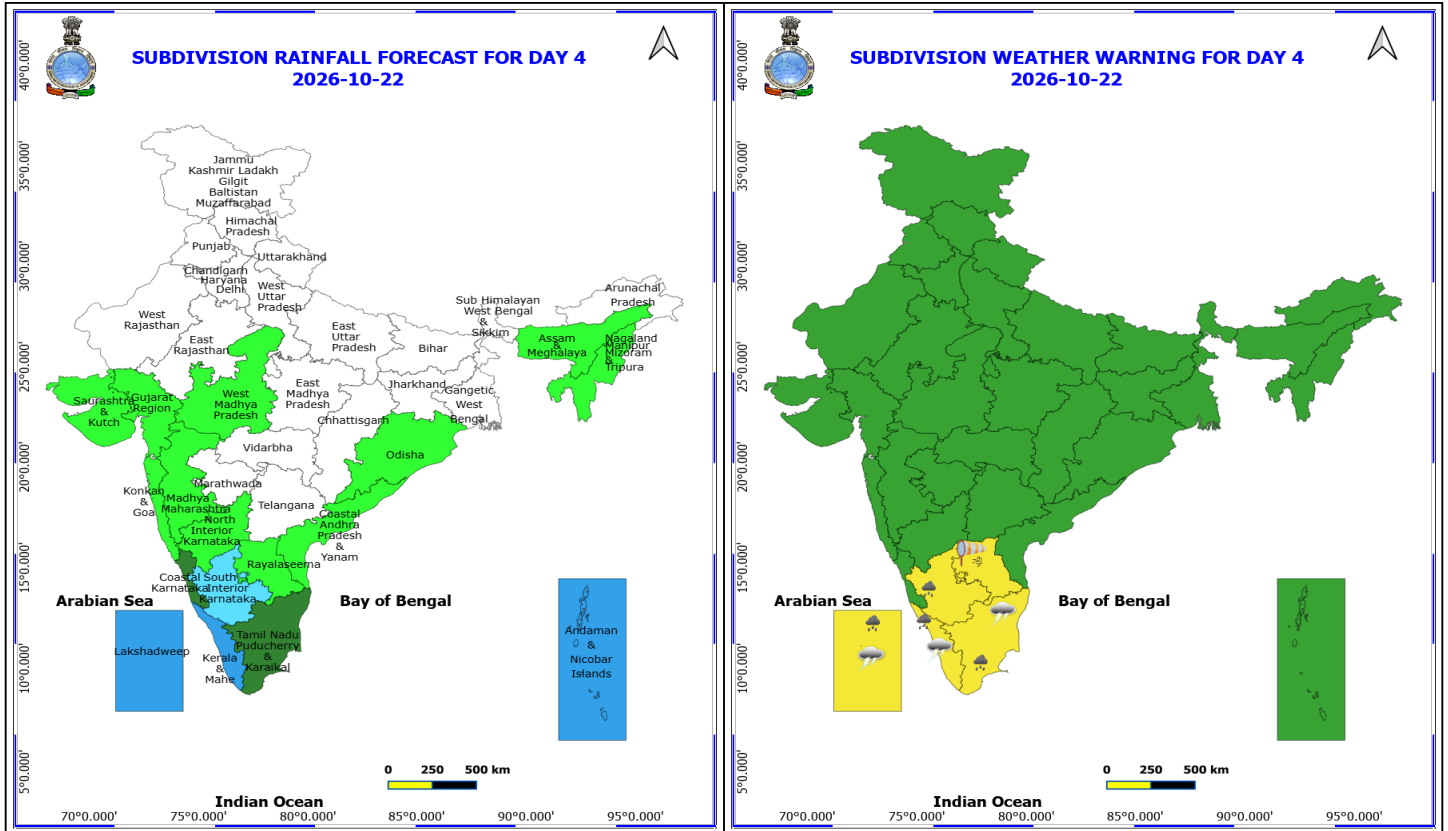
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Rayalaseema, South Interior Karnataka, Telangana and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Karnataka.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Squally weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail southwest Arabian sea.

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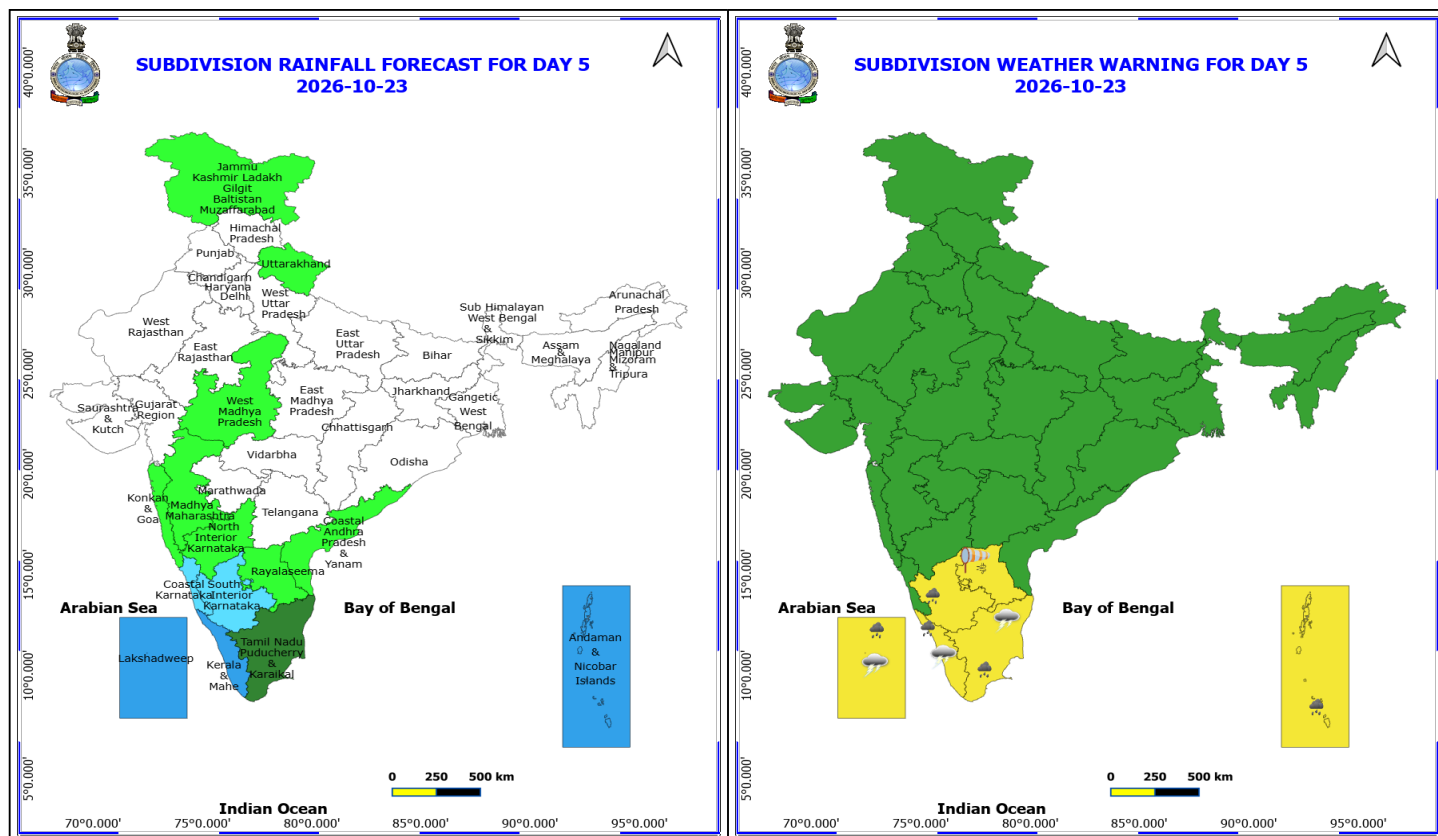
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22 October (Day 4)

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

No Fishermen Warning



23 October (Day 5)

- ❖ **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 Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Interior Karnataka and Rayalaseema.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka.
- ❖ **Strong Surface Winds** likely at isolated places over Rayalaseema.

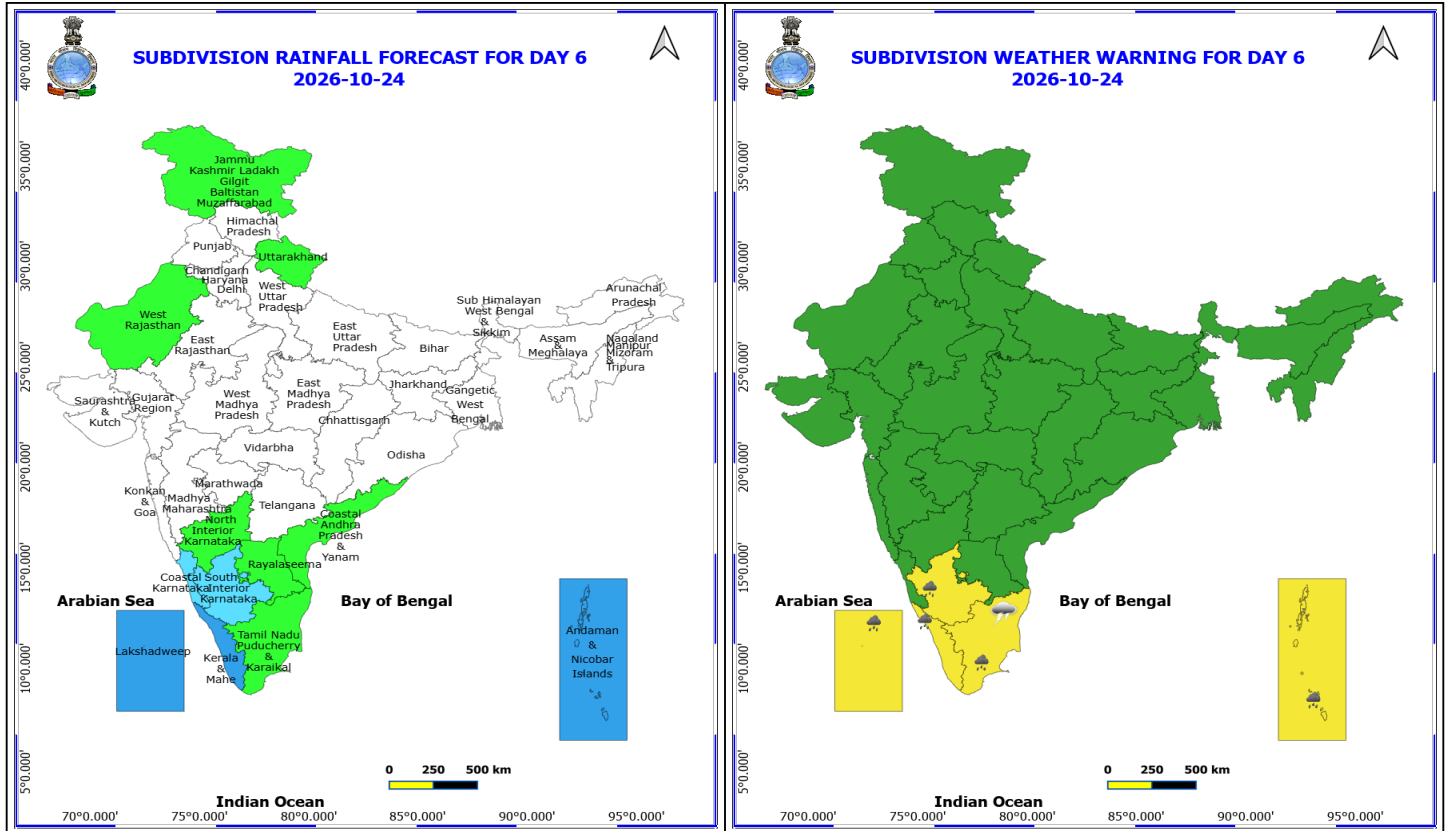
No Fishermen Warning

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24 October (Day 6)

- ❖ **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 Tamil Nadu Puducherry & Karaikal.

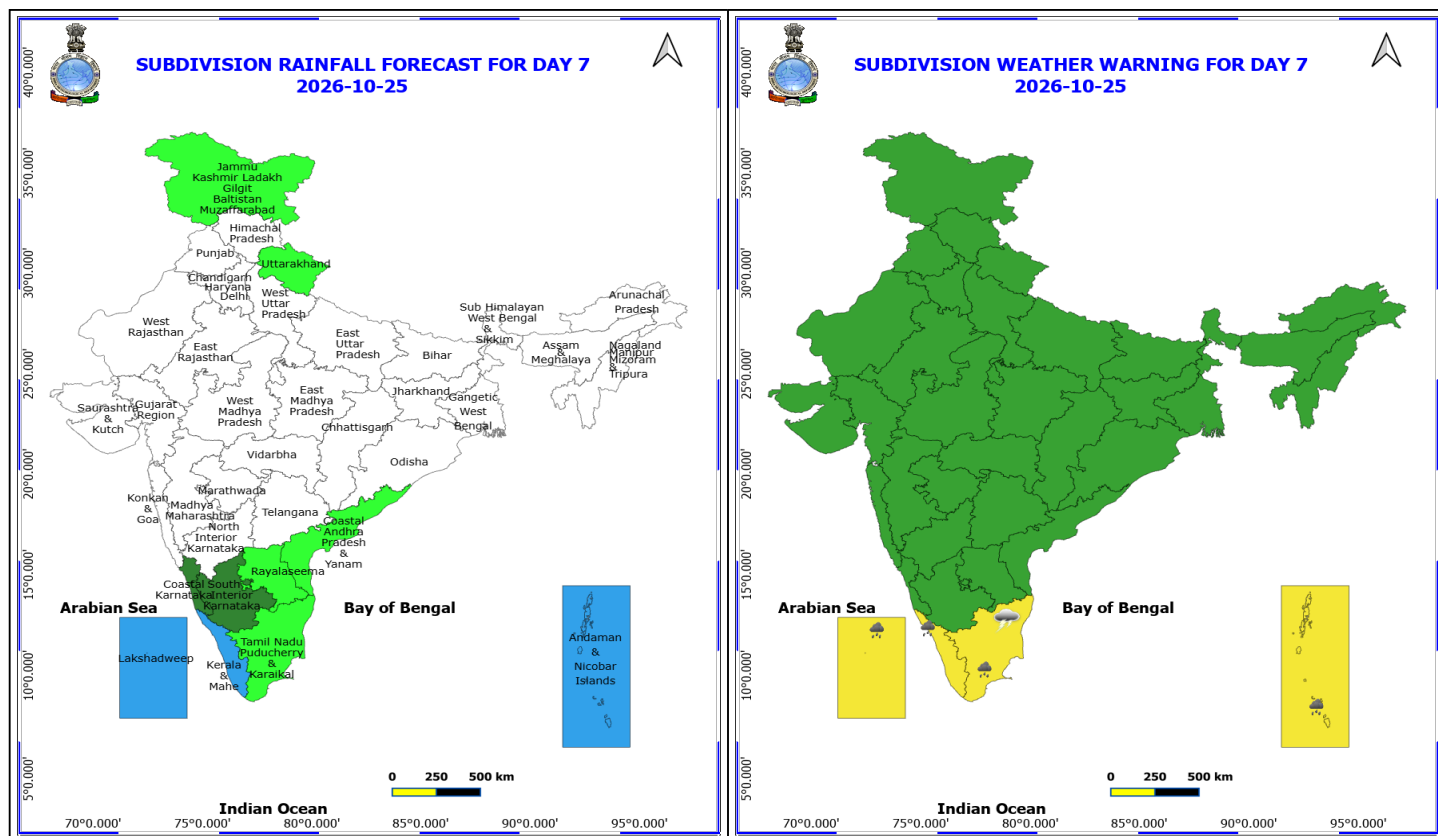
No Fishermen Warning

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25 October (Day 7)

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

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEHGHALAYA	ISOL	DRY	ISOL	ISOL	DRY	DRY	DRY
4	N. M. M. & T.	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
5	S.H. WEST BENGAL & SIKKIM	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
21	GUJRAT REGION	ISOL	DRY	ISOL	ISOL	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	DRY	ISOL	ISOL	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
25	MARATHWADA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	SCT	SCT	SCT	FWS	FWS	SCT
33	NORTH INTERIOR KARNATAKA	ISOL	DRY	DRY	ISOL	ISOL	ISOL	DRY
34	SOUTH INTERIOR KARNATAKA	SCT	ISOL	FWS	FWS	FWS	FWS	SCT
35	KERALA	FWS	WS	WS	WS	WS	WS	WS
36	LAKSHDWEAP	FWS	FWS	FWS	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 2026-10-18

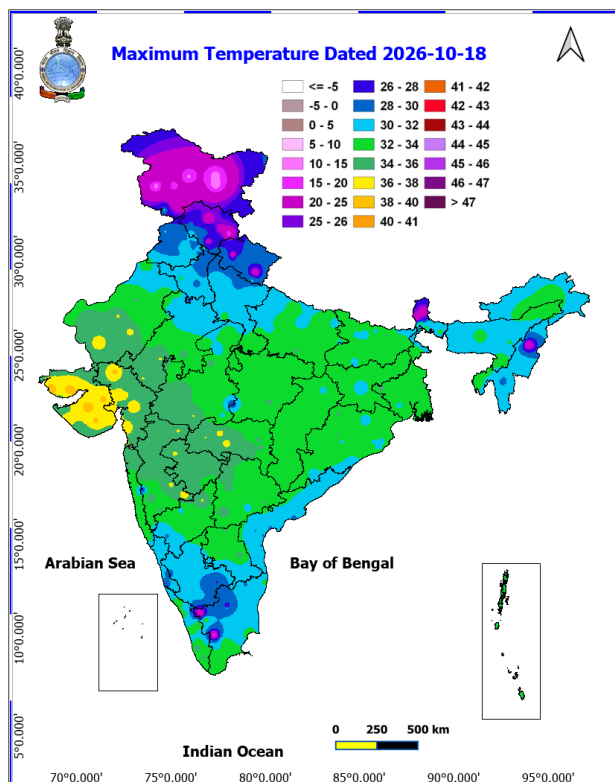


Fig. 2: Departure of Maximum Temp. Dated 2026-10-18

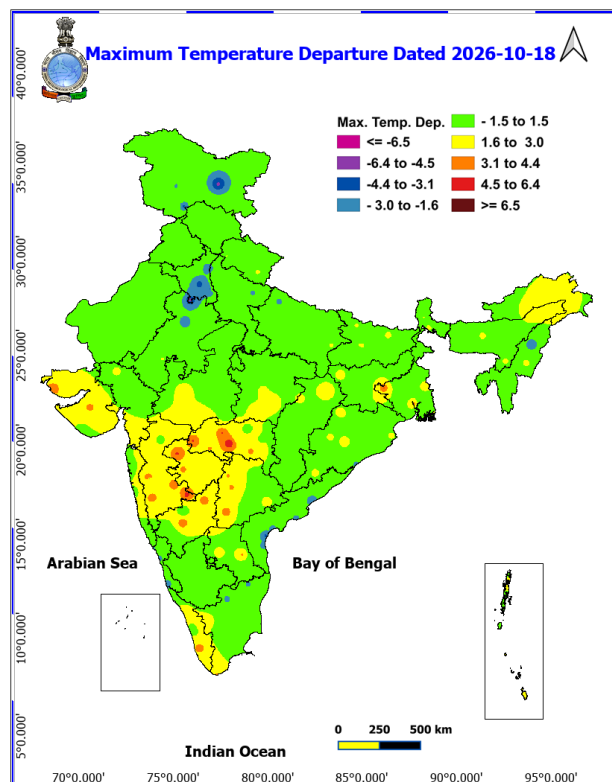


Fig. 3: Minimum Temperatures Dated 2026-10-19

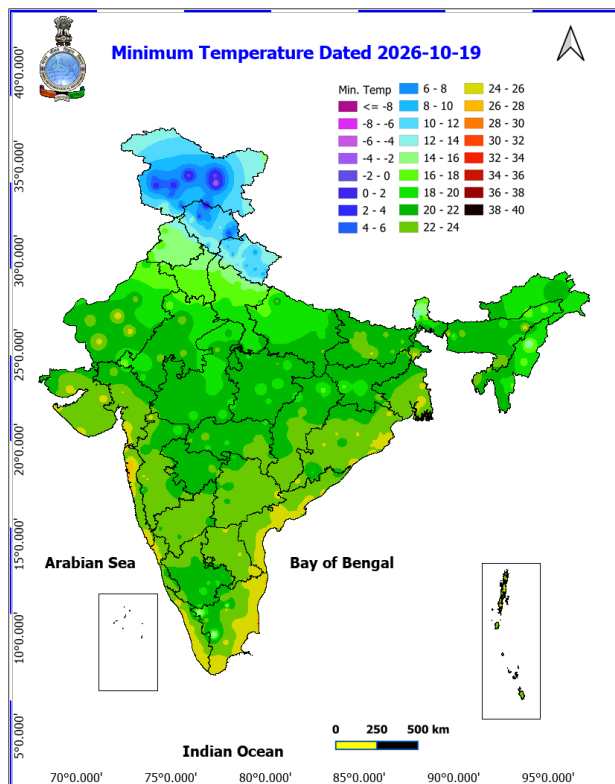
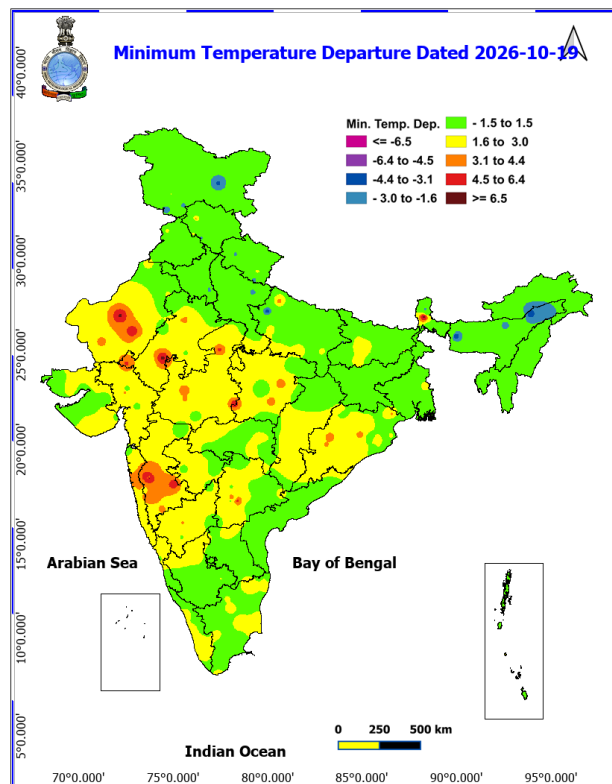
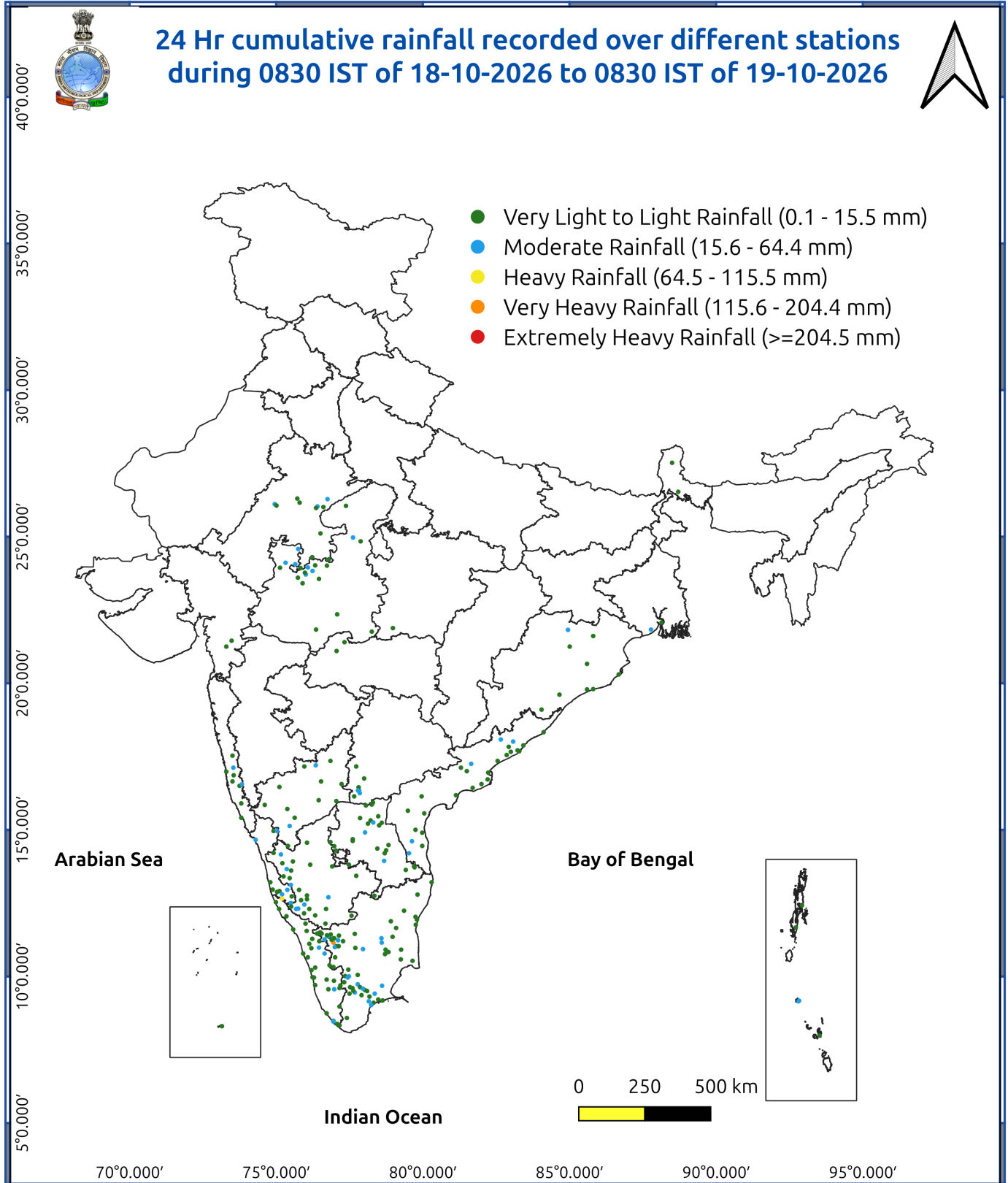


Fig. 4: Departure of Minimum Temp. Dated 2026-10-19





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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 19th-21st October.
- Isolated **heavy rainfall** likely over Lakshadweep and Tamil Nadu, Puducherry & Karaikal during 22nd-25th October; Kerala & Mahe during 19th-25th October; South Interior Karnataka during 21st-24th October; Coastal Andhra Pradesh & Yanam during 19th-21st October; Rayalaseema on 21st October.

Impact expected:

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

Action suggested:

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

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

In Tamil Nadu

, drain excess water from paddy, banana, cotton, turmeric, sugarcane and tapioca fields to prevent waterlogging. 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 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.

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

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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 or Livestock / Poultry / Fisheries

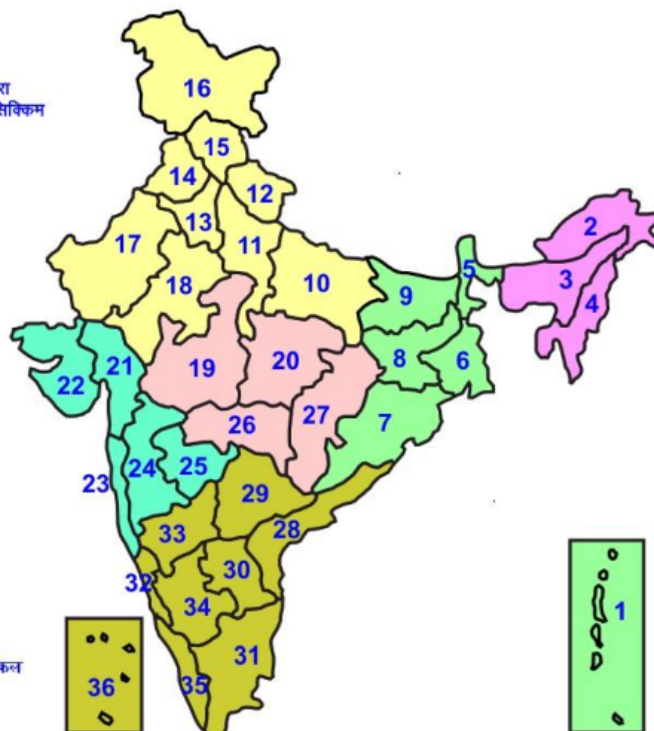
Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

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

Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 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 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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