

2026-10-12

Time of Issue: 08:02:00 hours IST
(Morning)

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 on 12th and 14th October and during 16th-17th October; Himachal Pradesh during 12th-13th October and during 16th-18th October; Uttarakhand during 1th-18th October.
- **Isolated to Scattered** rainfall likely over Punjab during 12th-14th October; Haryana Chandigarh & Delhi and West Rajasthan during 12th-15th October; West Uttar Pradesh during 12th-16th October; East Uttar Pradesh during 15th-16th October; East Rajasthan on 13th October.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 13th October and on 15th October; Himachal Pradesh during 14th-15th October.
- **Fairly Widespread to Widespread** rainfall likely over Punjab on 15th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh on 12th-15th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 12th-15th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Rajasthan during 13th-15th October.
- **Isolated thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 13th-16th October; Himachal Pradesh during 12th-15th October.

Central India:

- **Isolated to Scattered** rainfall likely over Chhattisgarh during 12th-18th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Chhattisgarh during 12th-13th October.

East India:

- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 12th-18th October; Sub-Himalayan West Bengal & Sikkim during 16th-18th October; Gangetic West Bengal during 14th-18th October; Jharkhand during 12th-13th October; Bihar on 12th October and during 15th-18th October; Odisha during 12th-18th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 16th-18th October.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 15th-18th October; Assam & Meghalaya during 13th-18th October; Nagaland, Manipur, Mizoram & Tripura during 12th-18th October.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 12th-18th October; Kerala & Mahe during 12th-14th October; Lakshadweep during 12th-15th October; North Interior Karnataka during 16th-18th October; South Interior Karnataka during 14th-15th October.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 15th-18th October; Lakshadweep and South Interior Karnataka during 16th-18th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 12th-15th October; Kerala & Mahe and Lakshadweep during

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14th-15th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 12th-15th October.

- Isolated **thunderstorm & lightning** likely over Kerala & Mahe during 12th-13th October.
- Isolated **heavy rainfall** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 16th-18th October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 12th-15th October.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Uttarakhand, Haryana Chandigarh & Delhi, Punjab, Himachal Pradesh, Andaman & Nicobar Islands and Lakshadweep ; **at many places** over Jammu & Kashmir and Ladakh, Gangetic West Bengal, Odisha, West Uttar Pradesh, West Rajasthan, Coastal Andhra Pradesh & Yanam, Tamilnadu Puducherry & Karaikal and Kerala & Mahe; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): Jammu & Kashmir And Ladakh: Jammu (dist Jammu) 19.

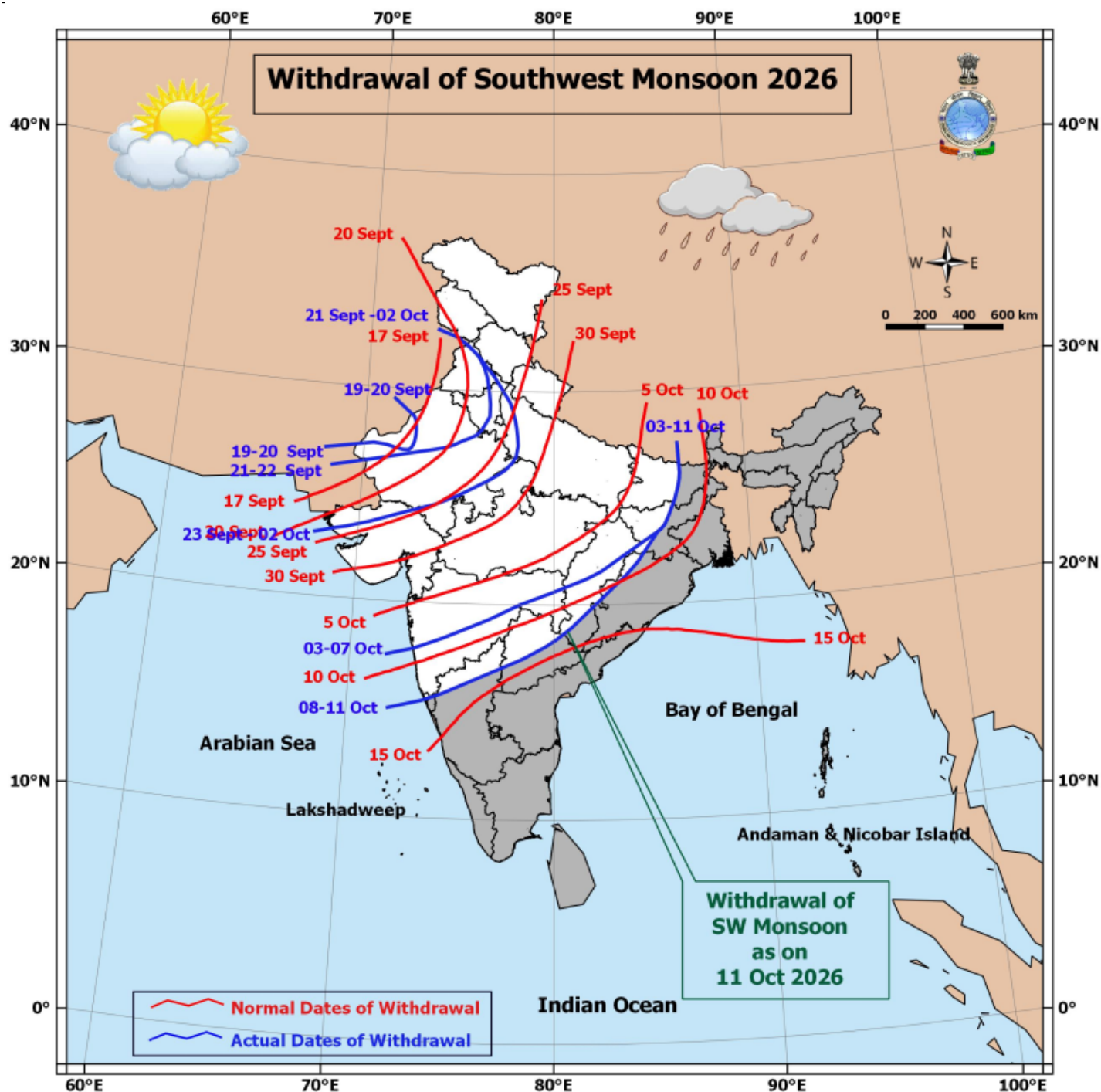
❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy to very heavy rain** at isolated places over Jammu & Kashmir and Ladakh

❖ **Minimum Temperature Departures (as on 11-10-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, East Uttar Pradesh and Punjab. **appreciably above normal(3.1°C to 5.0°C)** at few places over Haryana-Chandigarh-Delhi and Himachal Pradesh; at isolated places over Andaman & Nicobar Islands, Bihar, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, East Madhya Pradesh, Konkan & Goa and Madhya Maharashtra. **above normal(1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands; at few places over West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Madhya Maharashtra, Rayalaseema, Coastal Karnataka and Lakshadweep; at isolated places over Assam & Meghalaya, Odisha, East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Odisha, Bihar, East Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Konkan & Goa, Coastal Karnataka, North Interior Karnataka, Kerala & Mahe and Lakshadweep; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Uttarakhand, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Madhya Maharashtra and Rayalaseema; at isolated places over Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi, Punjab and Himachal Pradesh. **The lowest minimum temperature** of 15.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 11-10-2026): markedly above normal(> 5.1°C)** at few places over Coastal Karnataka; at isolated places over Assam & Meghalaya and Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at many places over Madhya Maharashtra, Marathwada, Telangana, Rayalaseema and North Interior Karnataka; at most places over Konkan & Goa; at few places over Arunachal Pradesh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at few places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Saurashtra & Kutch, South Interior Karnataka and Lakshadweep; at isolated places over Gangetic West Bengal, Odisha, East Rajasthan, Gujarat Region and Chhattisgarh. **near normal(-1.5°C to 1.5°C)** at few places over Bihar, East Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan; at isolated places over Jharkhand, West Uttar Pradesh and Uttarakhand. **The highest maximum temperature** of 38.9°C was reported at RAJKOT (A) (GUJARAT).

Meteorological Analysis (Based on 0530 hours IST)

- The line of withdrawal of **Southwest Monsoon** continues to pass through 27.5°N/86.5°E, Supaul, Ranchi, Sundargarh, Bargarh, Bijapur, Hyderabad, Belagavi, Panjim and 15°N/72°E.
- Conditions are becoming favourable for further withdrawal of **Southwest Monsoon** from some more parts of eastern India and Northern Peninsula, and many parts of northeast India during next 2 days.
- The **upper air cyclonic circulation** over northwest Bay of Bengal adjoining west Bengal north Odisha coast lay over South Bangladesh adjoining Gangetic West Bengal at 1.5 km above mean sea level.
- The **trough** now runs from northwest Bay of Bengal to East Uttar Pradesh across north Odisha, Jharkhand and southwest Bihar at 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over central Pakistan & neighbourhood between 0.9 & 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over east Rajasthan & neighbourhood at 0.9 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over east Uttar Pradesh & neighbourhood at 4.5 km above mean sea level.
- The **upper air cyclonic circulation** over Gulf of Mannar & adjoining south Tamil Nadu coast at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over southeast Arabian Sea adjoining south Kerala coast lay over South Kerala & neighbourhood at 0.9 km above mean sea level.
- The **Western Disturbance** as a **cyclonic circulation** over Himachal Pradesh & adjoining north Haryana between 1.5 to 5.8 km above mean sea level persists, with a trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level now runs roughly along Long. 77°E to the north of Lat. 27°N.
- The **upper air cyclonic circulation** south Andaman Sea & neighbourhood extending upto 9.4 km above mean sea level persists. Under its influence, a **low-pressure area** is likely to form over the Southeast Bay of Bengal around 13th October.

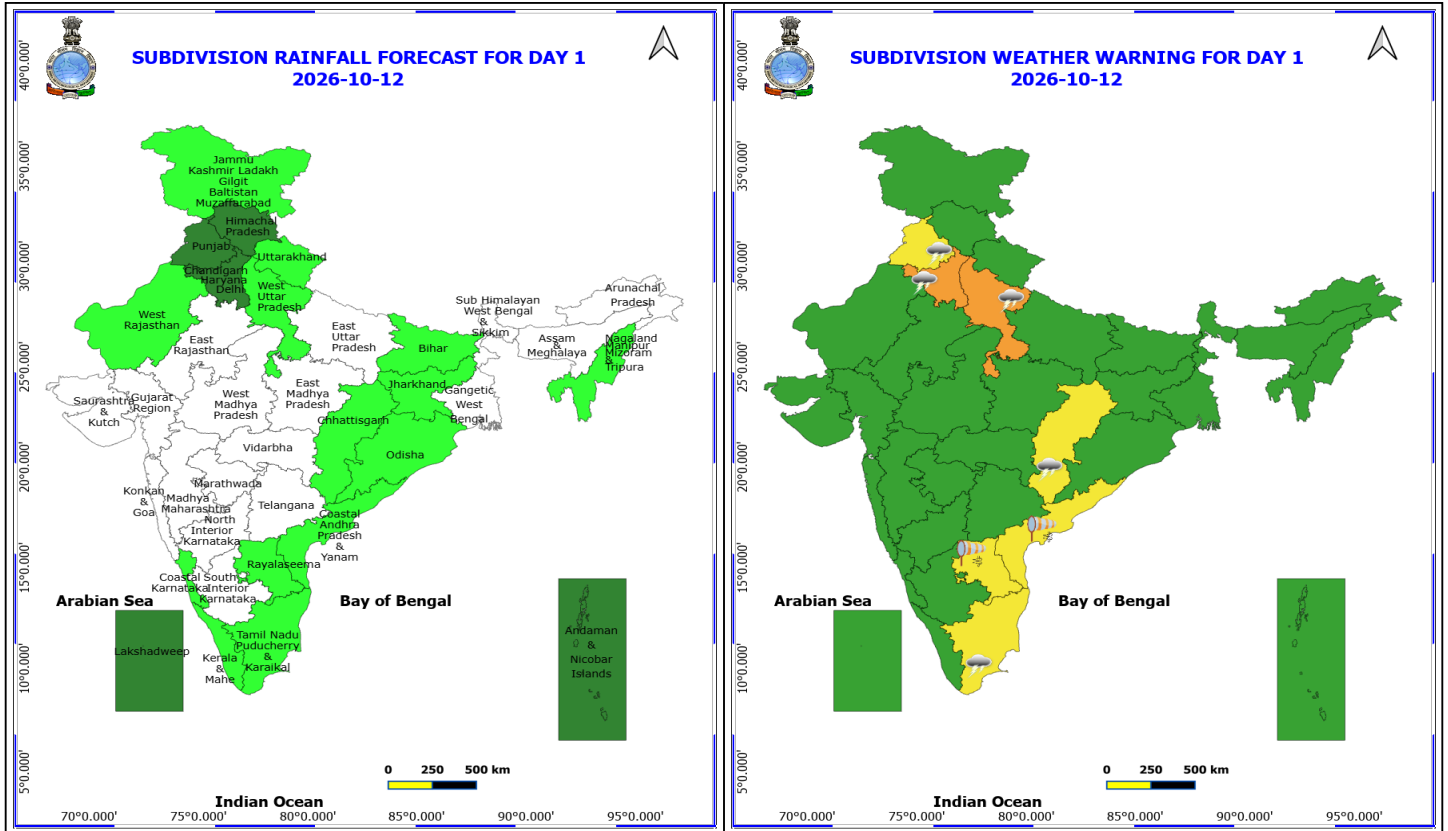


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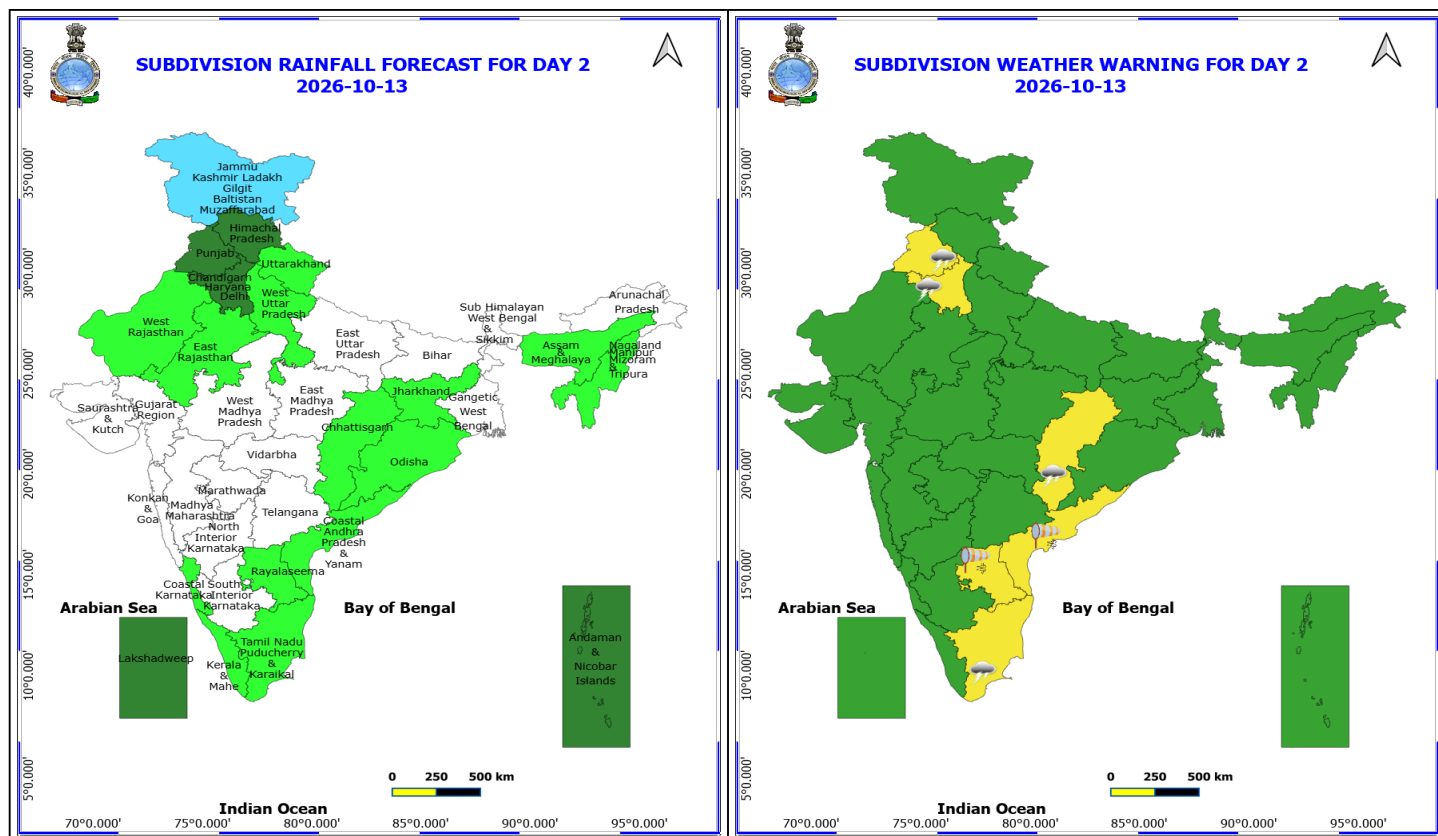
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12 October (Day 1)

- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Himachal Pradesh and Kerala & Mahe.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

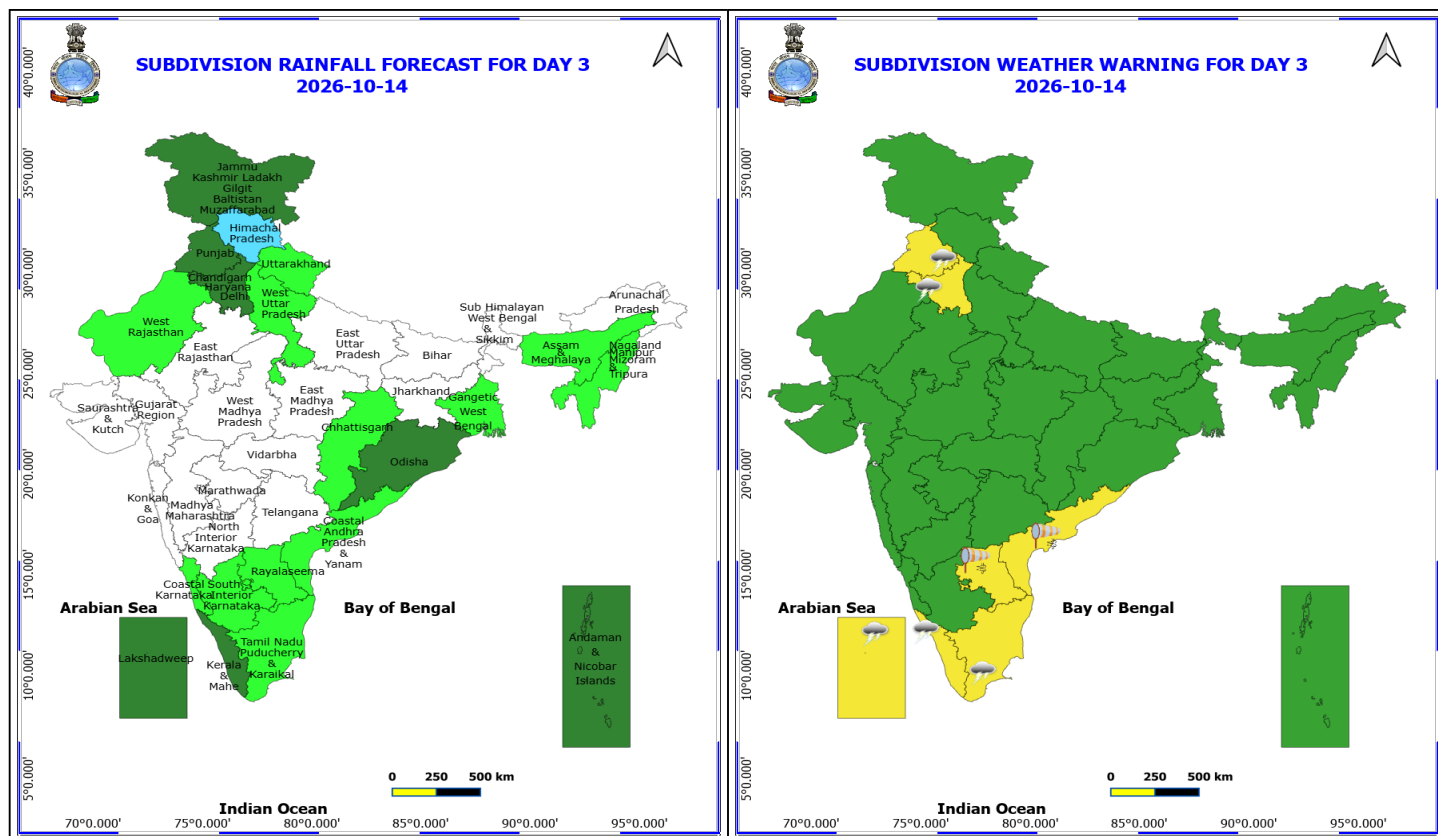
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13 October (Day 2)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Kerala & Mahe.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

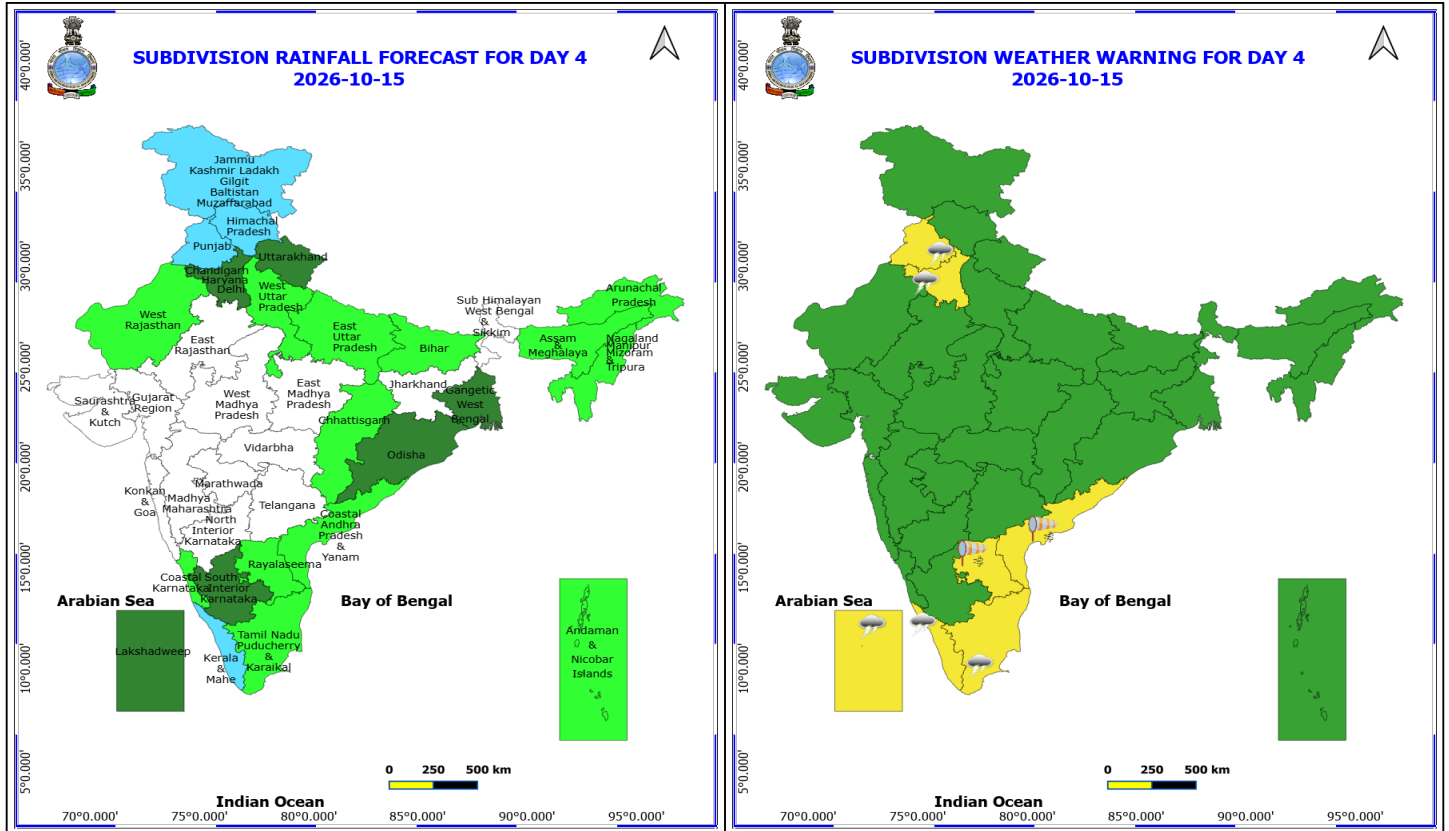
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14 October (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi, Kerala & Mahe, Lakshadweep, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

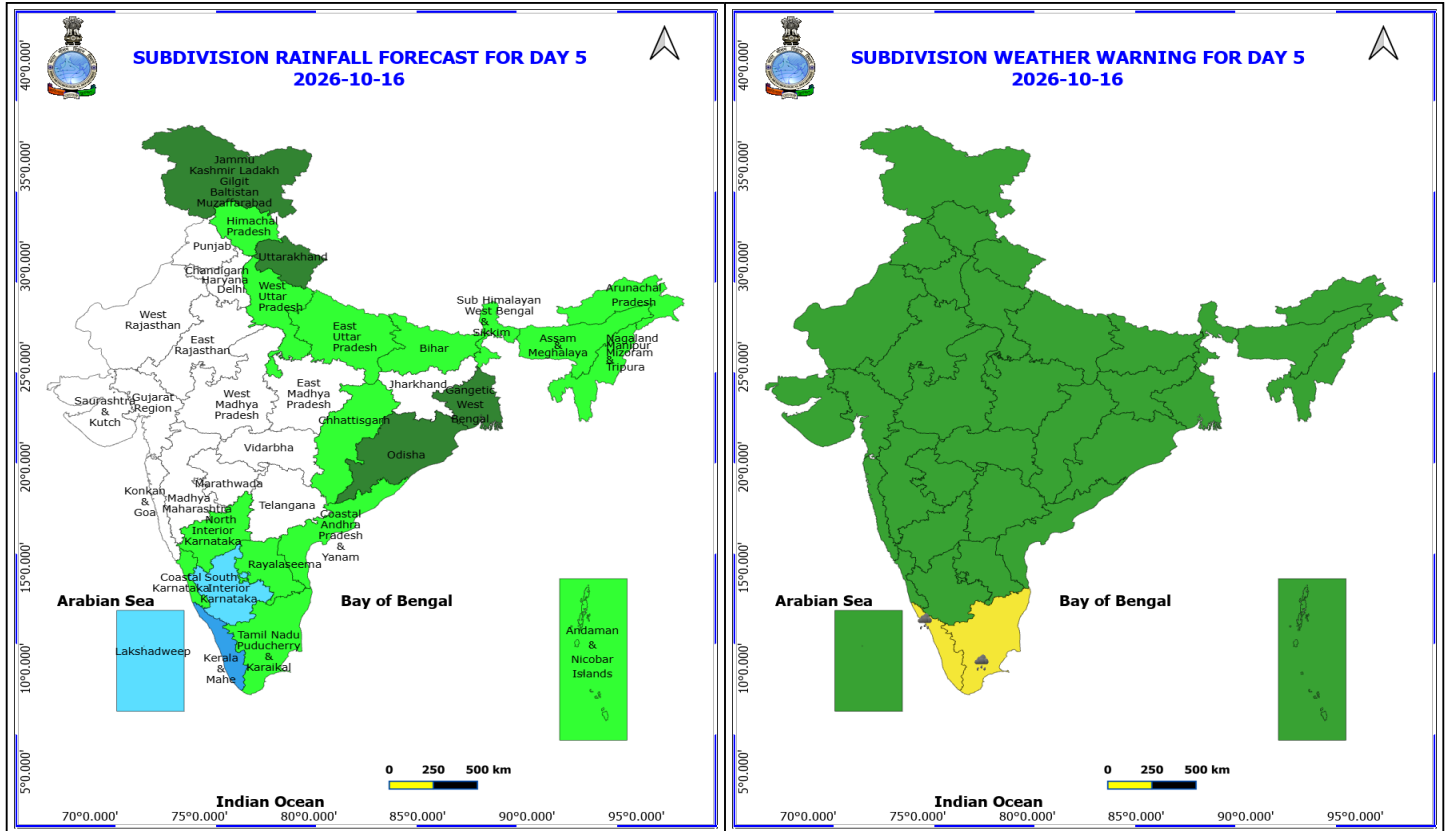
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15 October (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Kerala & Mahe, Lakshadweep, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

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16 October (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

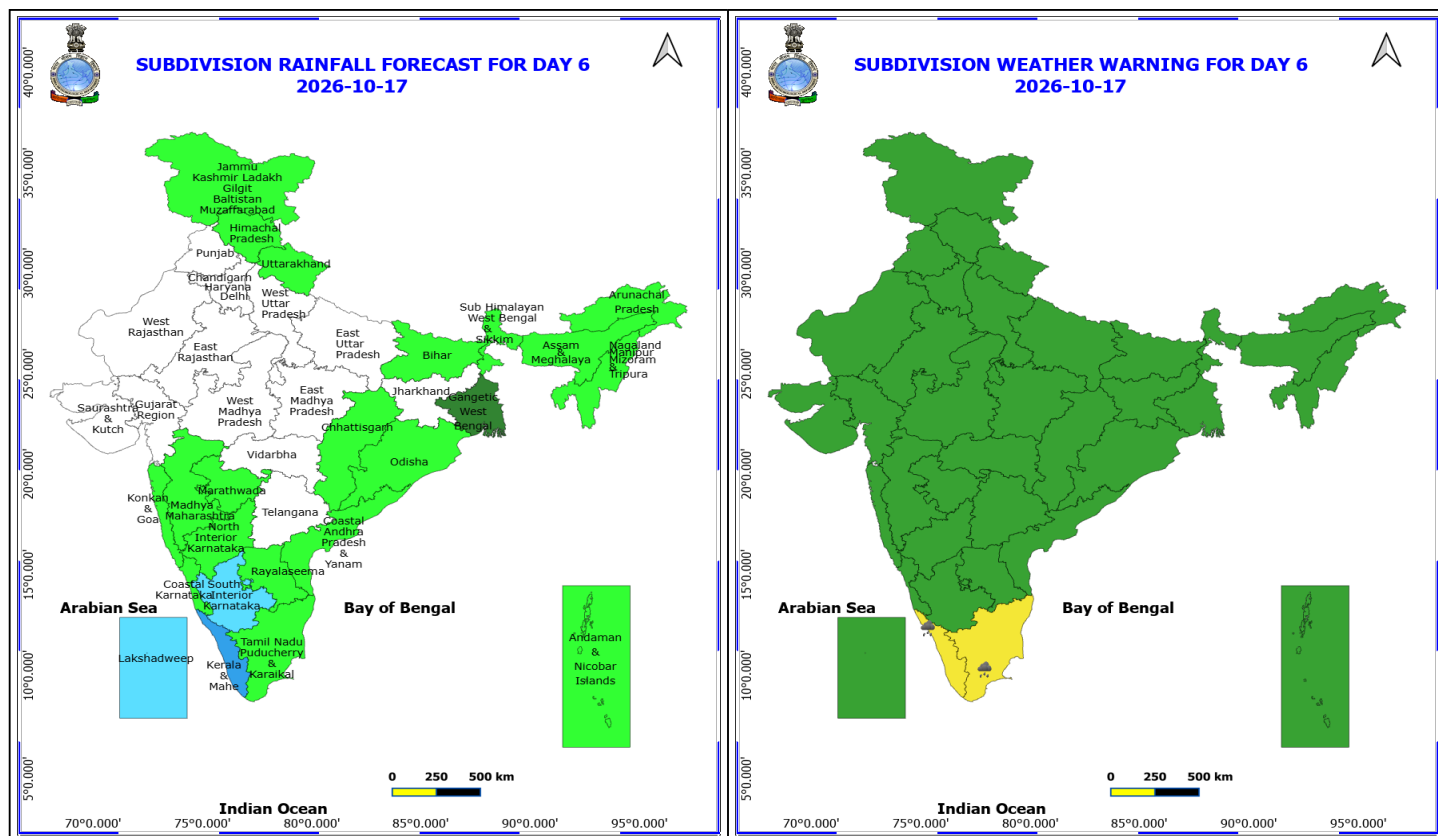
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17 October (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.

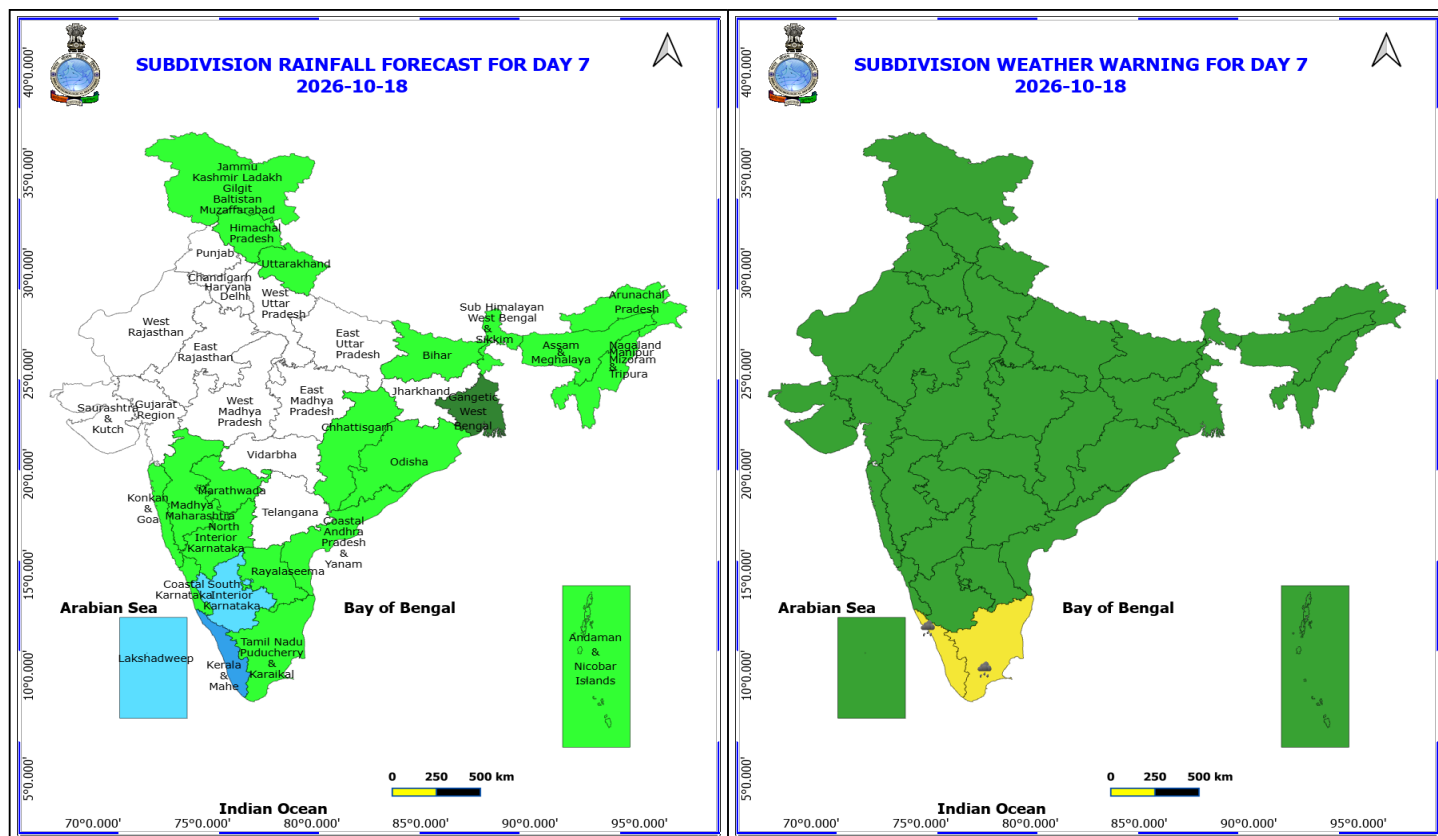
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18 October (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.

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Table-1

7 Days Rainfall Forecast

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

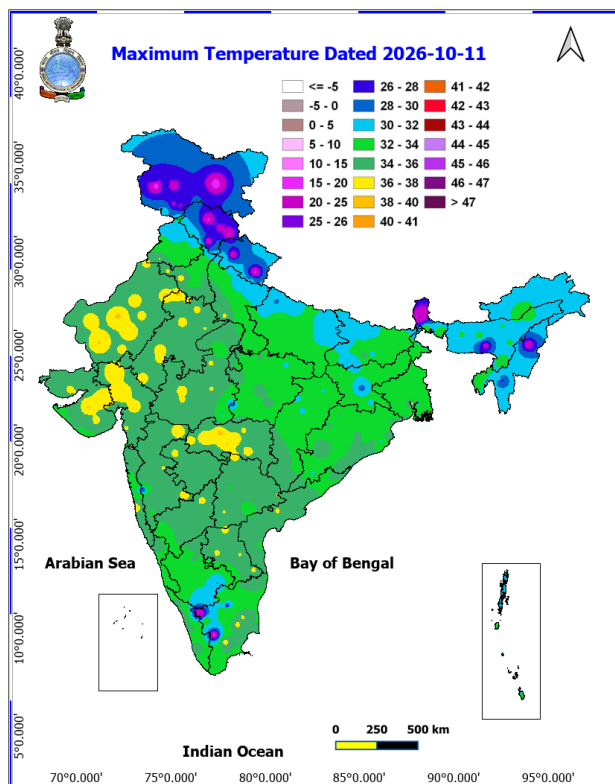


Fig. 2: Departure of Maximum Temp. Dated 2026-10-11

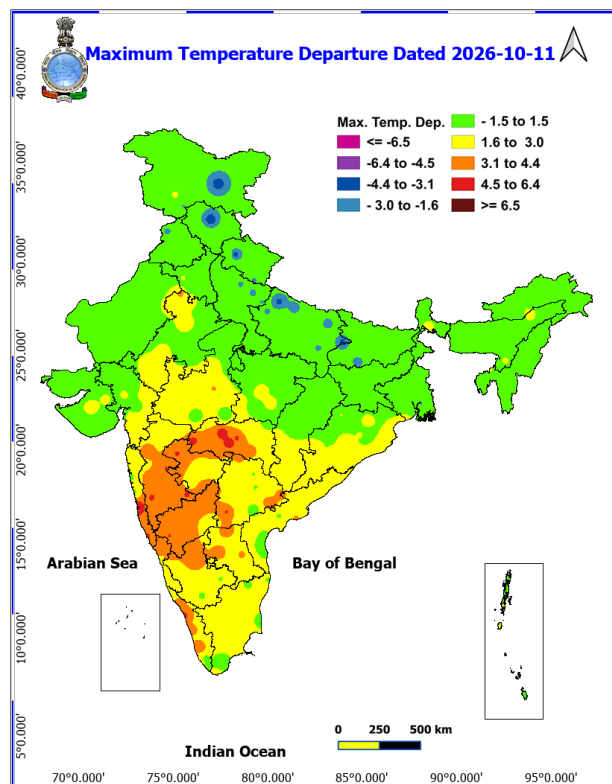


Fig. 3: Minimum Temperatures Dated 2026-10-11

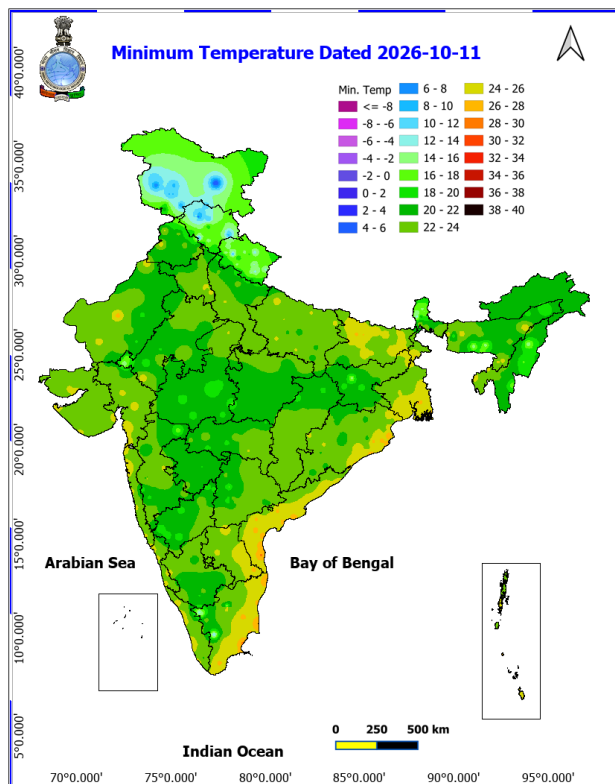
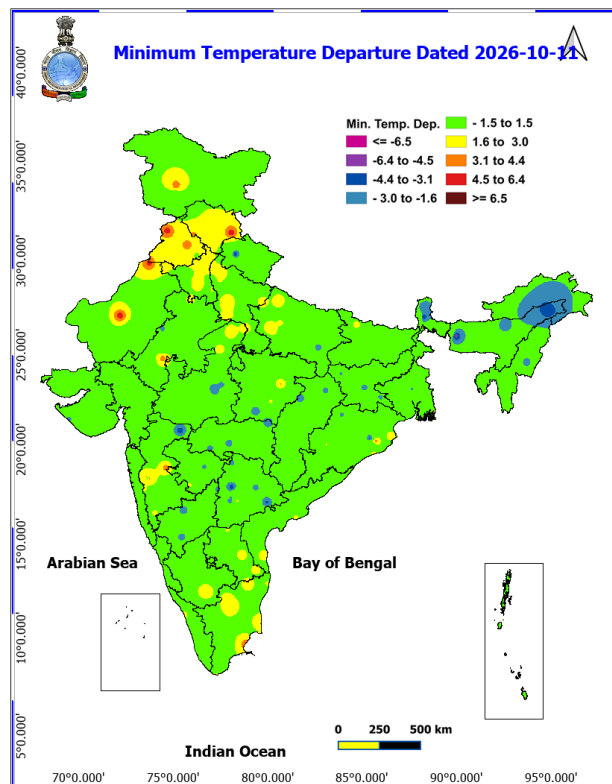
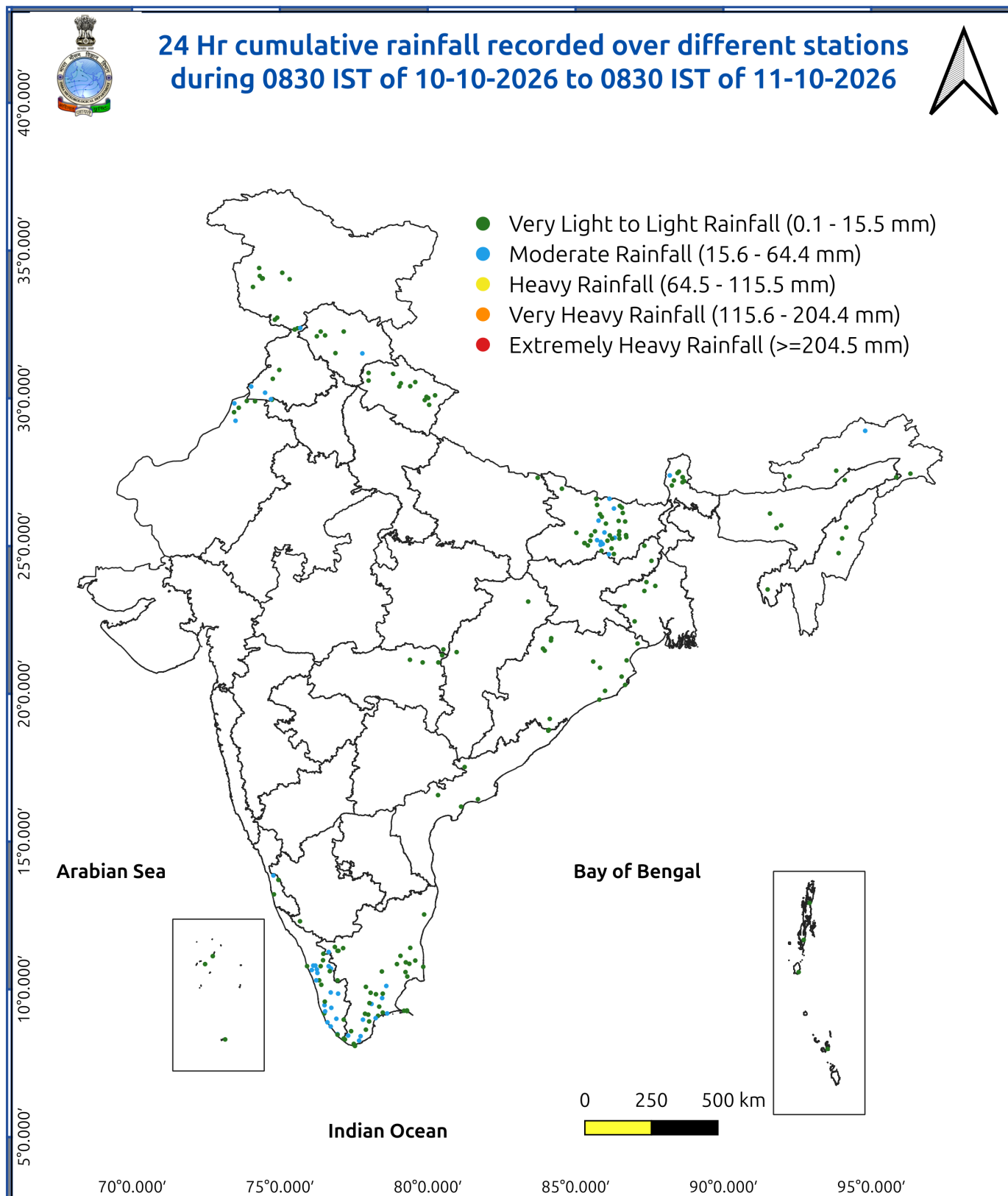


Fig. 4: Departure of Minimum Temp. Dated 2026-10-11





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Impact and Actions

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

- Isolated heavy rainfall is likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 16th–18th 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.

Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over

- Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Haryana Chandigarh & Delhi and Punjab on 11th October.
- Isolated **Hailstorm** activity likely over Haryana Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and Uttarakhand on 11th October.

Impact expected:

- Ø Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Ø Minor to Major damage to banana and papaya trees.
- Ø Minor to major damage to power and communication lines due to breaking of branches.
- Ø Strong wind/hail may damage plantation, horticulture and standing crops.

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- Ø Hail may injure people and cattle at open places.
- Ø Partial damage to vulnerable structures due to strong winds.
- Ø Minor damage to kutcha houses/walls and huts.
- Ø Loose objects may fly.

Action suggested:

- Ø People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Ø Stay indoors, close windows & doors and avoid travel if possible.
- Ø Take safe shelters; do not take shelter under trees.
- Ø Do not lie on concrete floors and do not lean against concrete walls.
- Ø Unplug electrical/ electronic appliances.
- Ø Immediately get out of water bodies.
- Ø Keep away from all the objects that conduct electricity.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Jammu & Kashmir**, drain excess water from the fields after rainfall. Harvest matured crops and postpone irrigation, intercultural operations, and application of plant protection measures and fertilizers to standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Himachal Pradesh**, provide adequate drainage in standing crop fields to avoid waterlogging. Prepare drainage channels in pea fields. Avoid irrigation as the rice crop approaches maturity. Provide mechanical support to plantations and staking to young plants and vegetables.
- In **Haryana and Punjab**, withhold irrigation in standing crops, make necessary arrangements to remove excess rain water from the crop fields. Under the prevailing weather conditions, termite infestation may occur in crops and vegetables, apply Chlorpyrifos 20 EC @ 4ml/litre of water along with irrigation water.
- In **Uttarakhand**, Avoid irrigation to pigeon pea, radish, carrot and beetroot crops in view of the forecast of rainfall. Postpone sowing of spinach and fenugreek and store the harvested produce in a safe place.

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.

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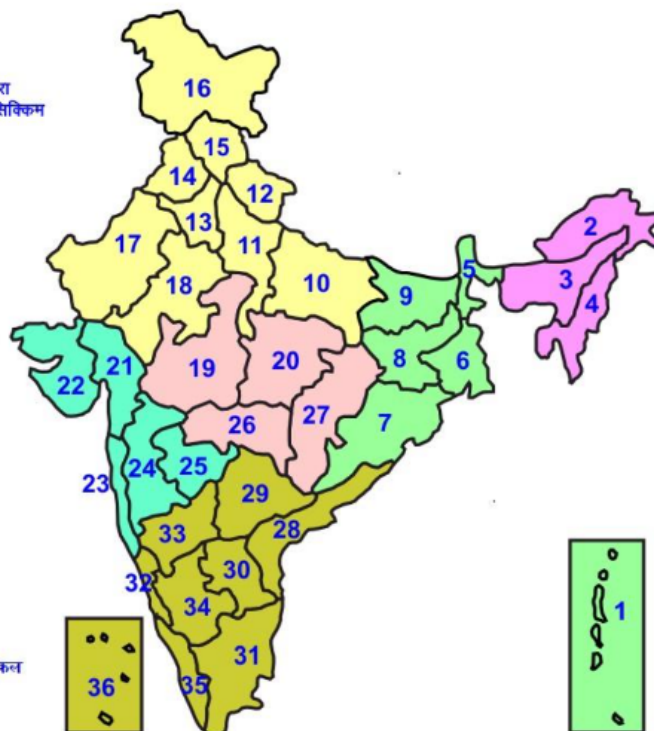
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LEGENDS

- 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 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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