



2026-10-05

Time of Issue: 08:22:00 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 during 6th-8th October and on 10th October; Himachal Pradesh and Uttarakhand during 5th-10th October.
- **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 6th-10th October; East Uttar Pradesh during 5th-10th October.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 9th October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Himachal Pradesh during 6th-8th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 6th October and on 8th October; Uttarakhand during 5th-7th October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 7th-9th October.
- Isolated **thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 9th-10th October.

Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 9th-10th October; East Madhya Pradesh during 7th-9th October; Vidarbha on 6th October; Chhattisgarh during 6th-10th October.
- Isolated **thunderstorm & lightning** likely over Vidarbha on 6th October; Chhattisgarh during 6th-8th October.

East India:

- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha and Sub-Himalayan West Bengal & Sikkim during 5th-10th October; Jharkhand during 5th-9th October; Bihar during 5th-9th October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Gangetic West Bengal during 6th-7th October.
- Isolated **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim during 5th-6th October; Jharkhand and Odisha during 7th-8th October; Bihar during 6th-10th October.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 5th-10th October; Assam & Meghalaya during 5th-10th October.
- Isolated **thunderstorm & lightning** likely over Nagaland, Manipur, Mizoram & Tripura on 5th October.

West India:

- **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 7th-8th October.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 5th-10th October; Kerala & Mahe during 7th-8th October; Coastal Karnataka and Lakshadweep during 7th-10th October; Telangana during 5th-6th October.

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- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 5th-6th October and during 9th-10th October; Coastal Karnataka and Lakshadweep during 5th-6th October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 5th-8th October; Kerala & Mahe and Lakshadweep during 5th-6th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 5th-8th October; Telangana during 5th-6th October.
- Isolated **thunderstorm & lightning** likely over Coastal Karnataka during 5th-8th October; North Interior Karnataka on 5th October; South Interior Karnataka during 5th-7th October.
- Isolated **heavy rainfall** likely over Coastal Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 5th-6th October; South Interior Karnataka during 5th-6th October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 5th-8th October.

Hot & Humid weather warning:

- **Hot and humid** weather conditions likely to prevail over Konkan & Goa on 5th October.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Coastal Karnataka, Arunachal Pradesh and Andaman & Nicobar Islands; **at many places** over Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Kerala & Mahe, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Tamilnadu Puducherry & Karaikal 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): **Kerala & Mahe**: Kozhikode (calicut) (dist Kozhikode) 9; **Coastal Karnataka**: Mangalore (bajpe) AP (dist Dakshina Kannada) 6; **Arunachal Pradesh**: Pasighat (dist East Siang) 6; **Assam & Meghalaya**: Barapani/shillong (dist East Khasi Hills) 4.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at a few places over Kerala & Mahe

❖ **Minimum Temperature Departures (as on 04-10-2026): markedly above normal(> 5.1°C)** at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh and Himachal Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over Punjab, Himachal Pradesh and Coastal Karnataka; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands, Uttarakhand, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Rayalaseema; at few places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, West Rajasthan, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Telangana, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, East Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and North Interior Karnataka; at most places over Arunachal Pradesh, Odisha, Jharkhand, Saurashtra & Kutch, South Interior Karnataka, Kerala & Mahe and Lakshadweep; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Chhattisgarh, Telangana and Rayalaseema; at isolated places over Andaman & Nicobar Islands, Uttarakhand and Himachal Pradesh. **The lowest minimum temperature** of 16.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 04-10-2026): markedly above normal(> 5.1°C)** at isolated places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at many places over Vidarbha and Rayalaseema; at few places over Konkan & Goa, Marathwada, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at isolated places over Gangetic West Bengal, Odisha, Himachal Pradesh, West Rajasthan, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Haryana-Chandigarh-Delhi and Telangana; at few places over Andaman & Nicobar Islands, Jharkhand, Bihar, West Uttar Pradesh, Uttarakhand, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region and Lakshadweep; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh and Saurashtra & Kutch. **near normal(-1.5°C to 1.5°C)** at most places over Nagaland, Manipur, Mizoram & Tripura and Punjab. **The highest maximum temperature** of 41.0°C was reported at PILANI (RAJASTHAN).

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, Raipur, Brahmapuri, Parbhani, Baramati, Harnai and 17.5°N/71.8°E.

Conditions are likely to become favourable for further withdrawal of southwest monsoon from most parts of Marathwada & Vidarbha, some more parts of Maharashtra & Chhattisgarh and some parts of Telangana & North interior Karnataka during next 2-3 days.

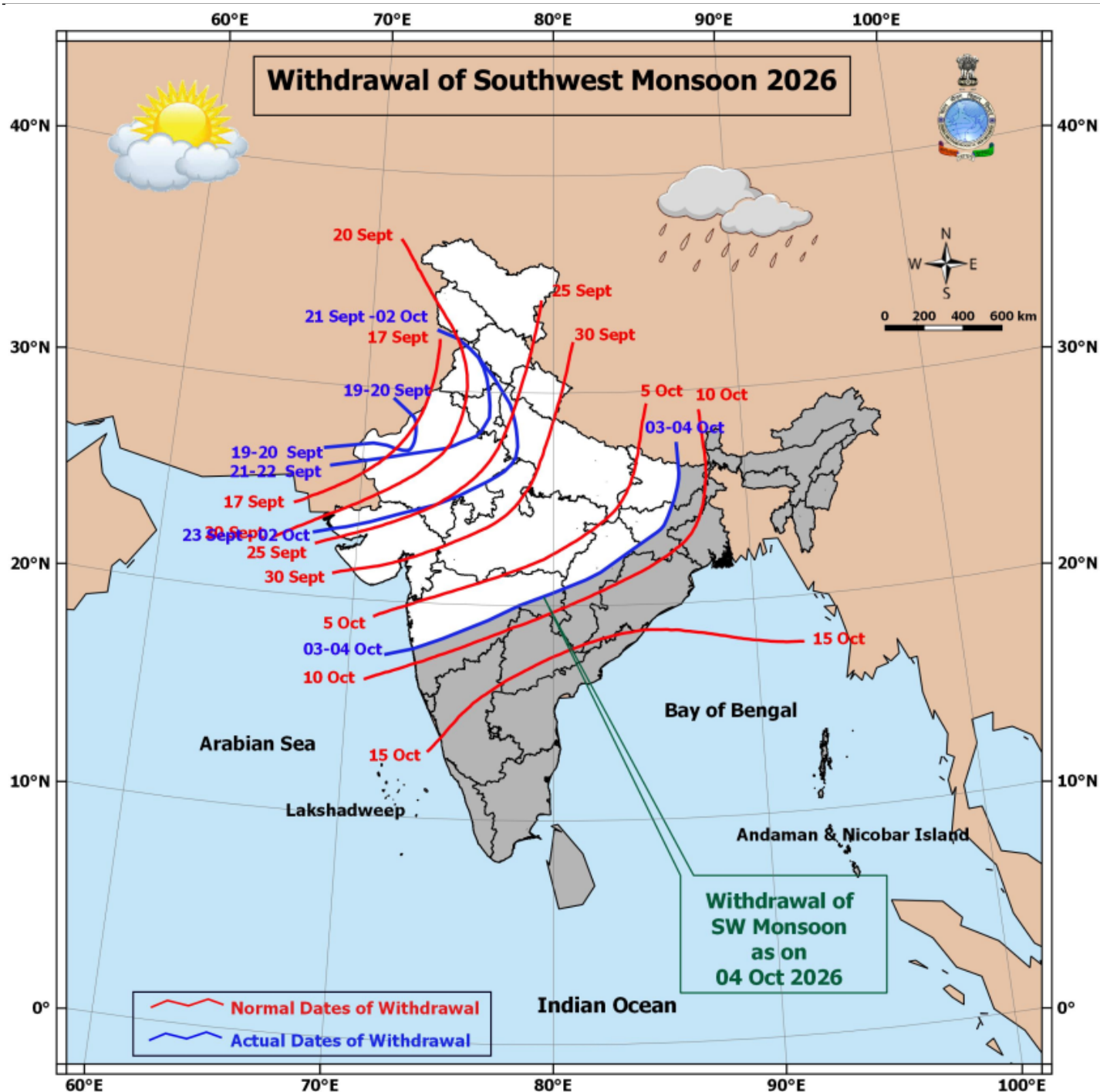
The **upper air cyclonic circulation** over Sikkim & neighbourhood at 3.1 km above mean sea level persists.

The **trough** from northeast Bihar to Northwest Bay of Bengal now runs from northeast Bihar to Northeast Bay of Bengal from across Jharkhand and Gangetic West Bengal at 0.9 km above mean sea level.

The **trough** from south Bihar to Vidarbha now runs from Gangetic West Bengal to Marathwada across Jharkhand, interior Odisha, Chhattisgarh and Vidarbha between 3.1 & 5.8 km above mean sea level tilting southwestwards with height.

The **upper air cyclonic circulation** over Gulf of Mannar & adjoining south coastal Tamil Nadu at 0.9 km above mean sea level has become less marked.

The **trough** from above cyclonic circulation over Gulf of Mannar & adjoining south coastal Tamil Nadu to Eastcentral Arabian Sea across interior Tamil Nadu and north Kerala at 0.9 km above mean sea level has become less marked.

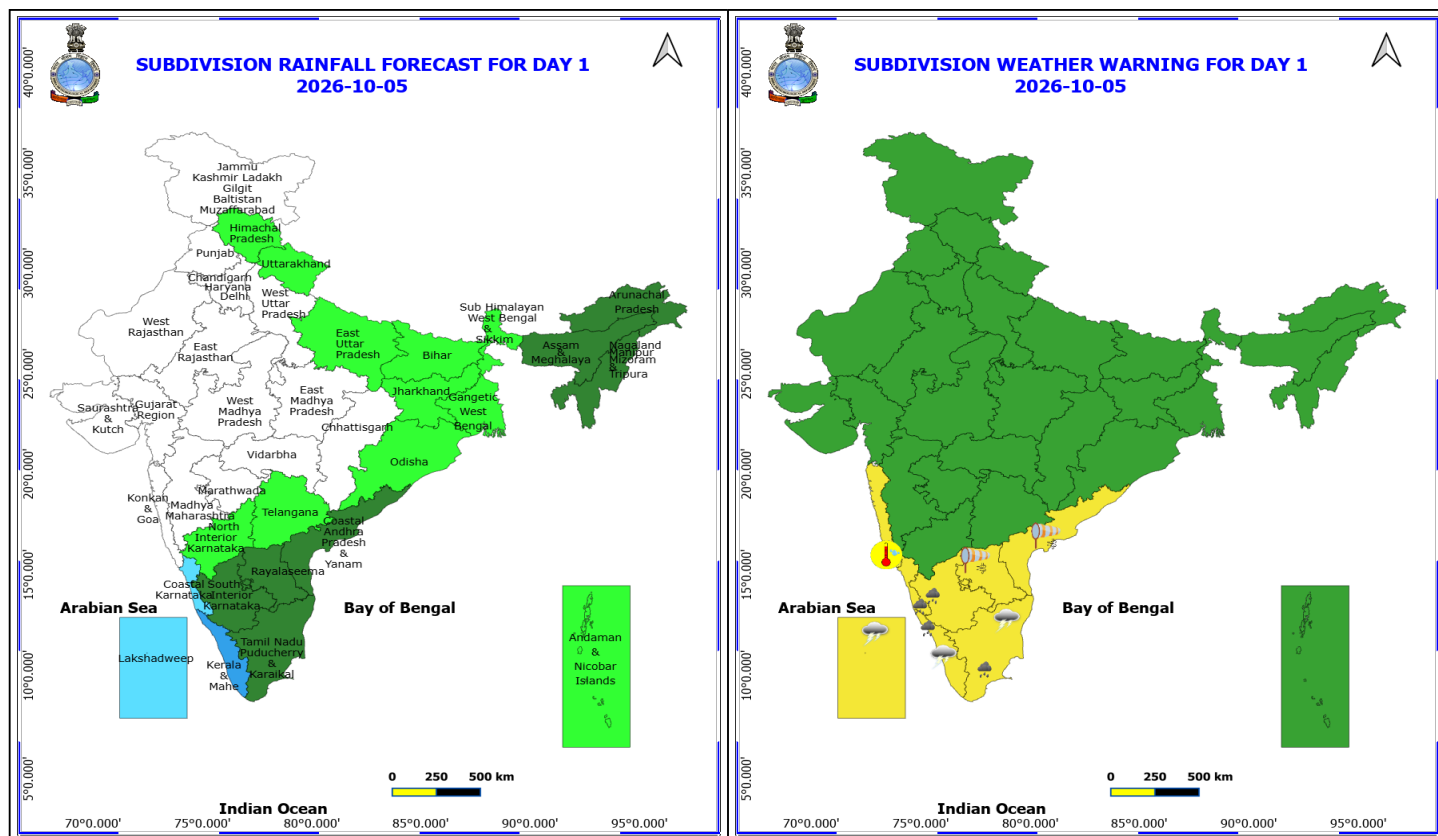


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5 October (Day 1)

- ❖ **Heavy Rainfall** very 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)** very likely at isolated places over Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Karnataka, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa.

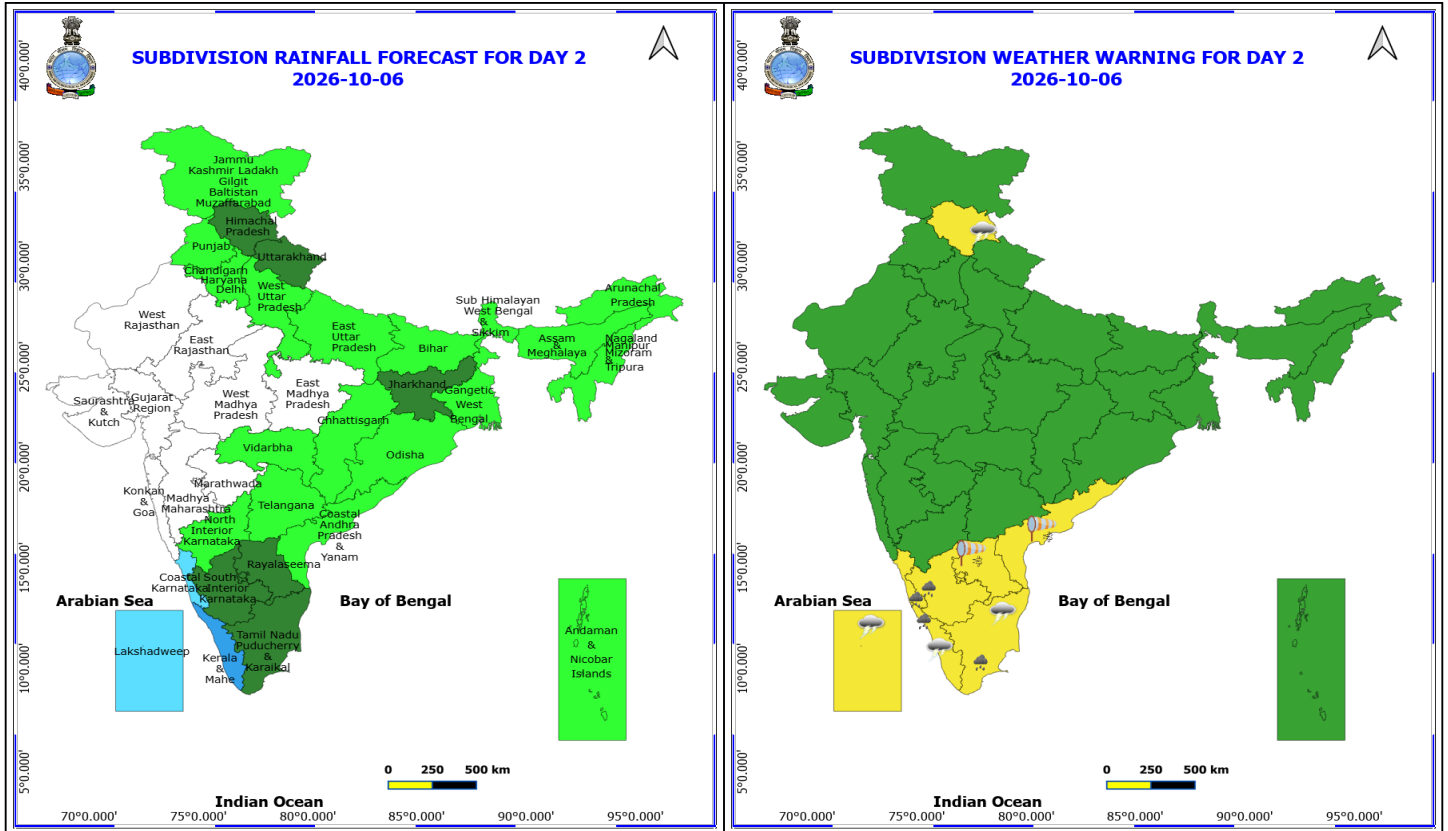
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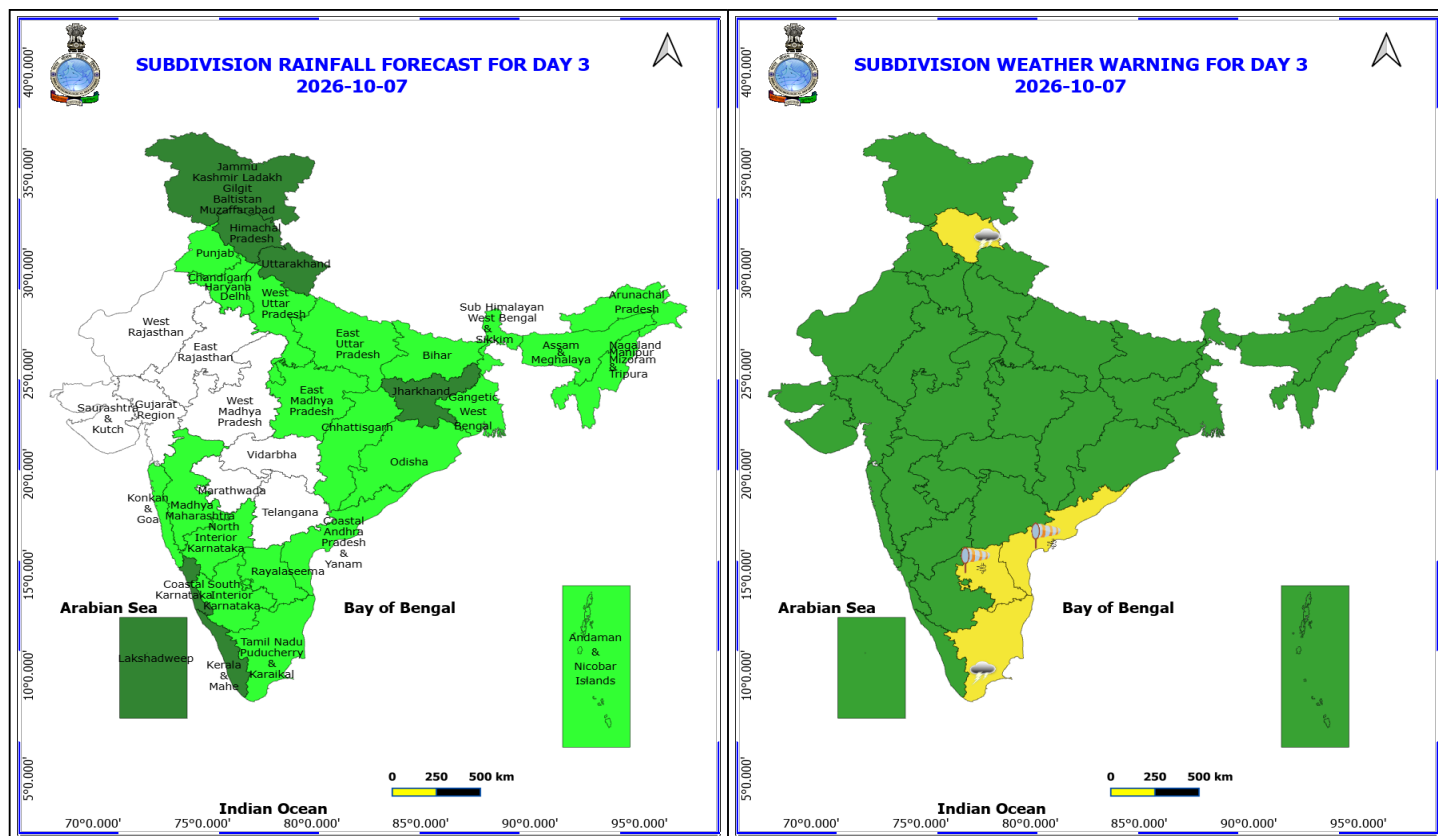
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6 October (Day 2)

- ❖ **Heavy Rainfall** very 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)** very likely at isolated places over Himachal Pradesh, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim, Vidarbha and West Madhya Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

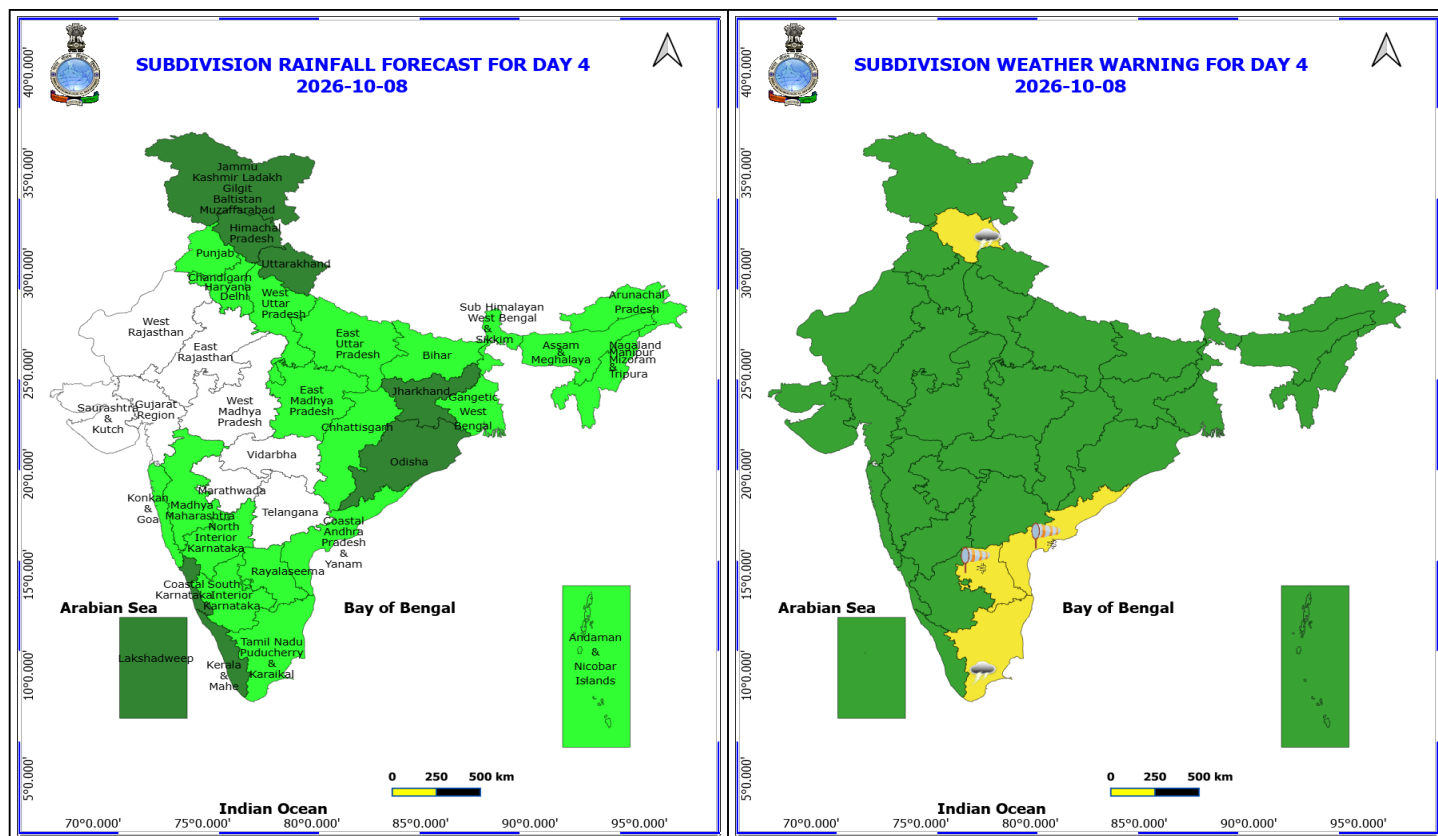
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7 October (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Himachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Punjab and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, Jharkhand, Odisha, South Interior Karnataka and West Madhya Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

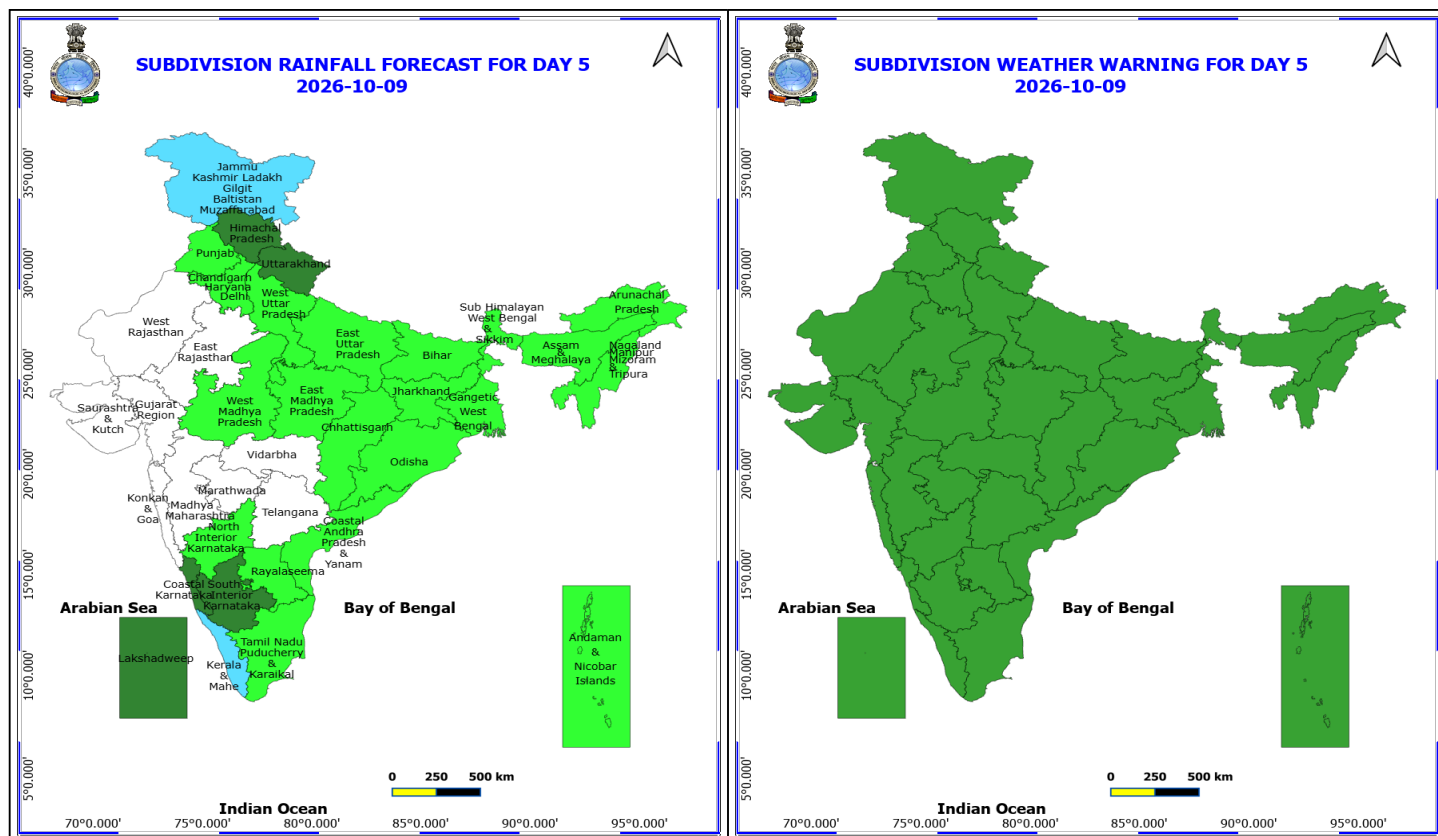
No Fishermen Warning



8 October (Day 4)

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

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9 October (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Bihar and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

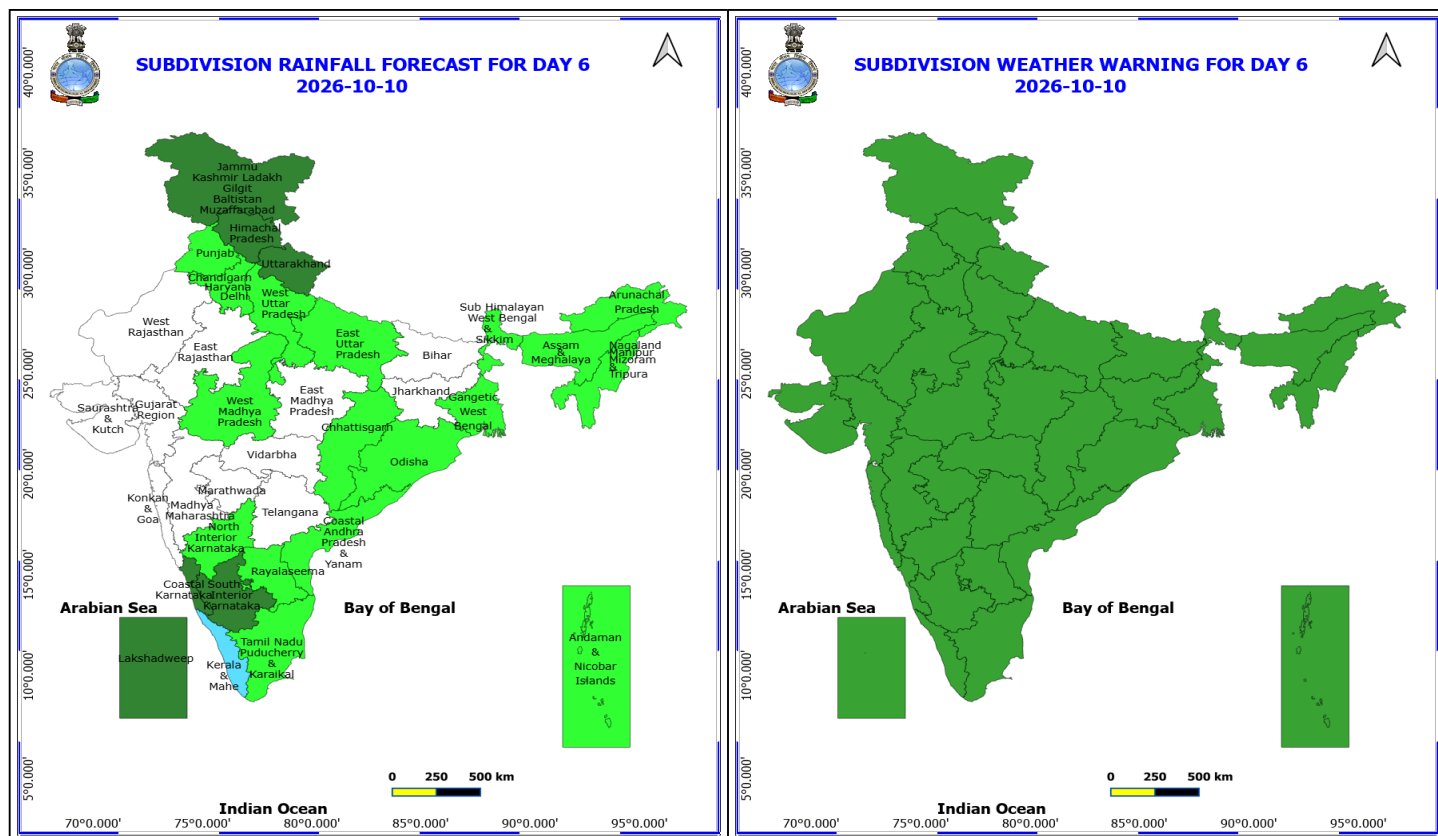
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10 October (Day 6)

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Bihar and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

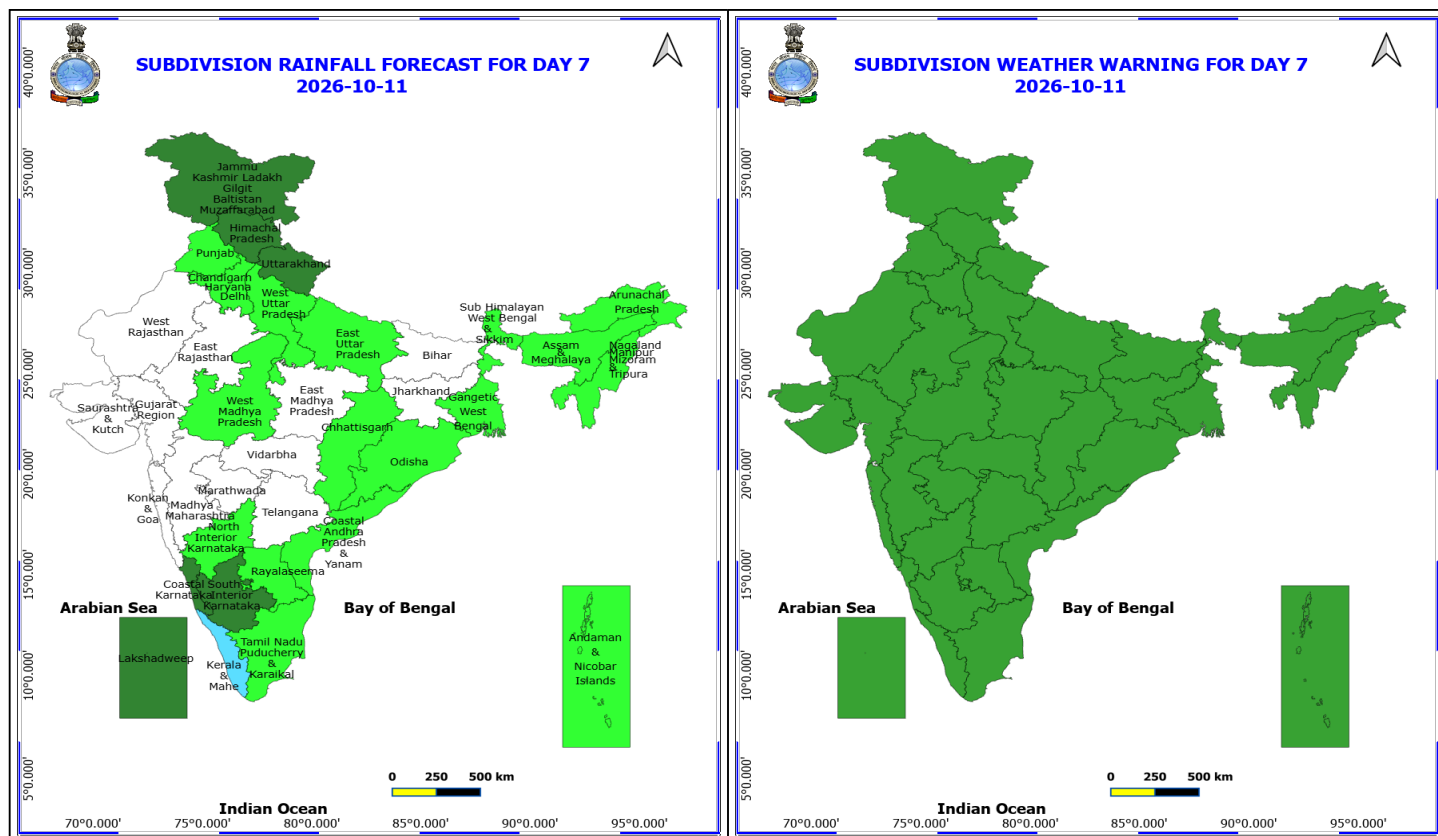
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11 October (Day 7)

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Bihar and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.

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Table-1

7 Days Rainfall Forecast

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

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 2026-10-04

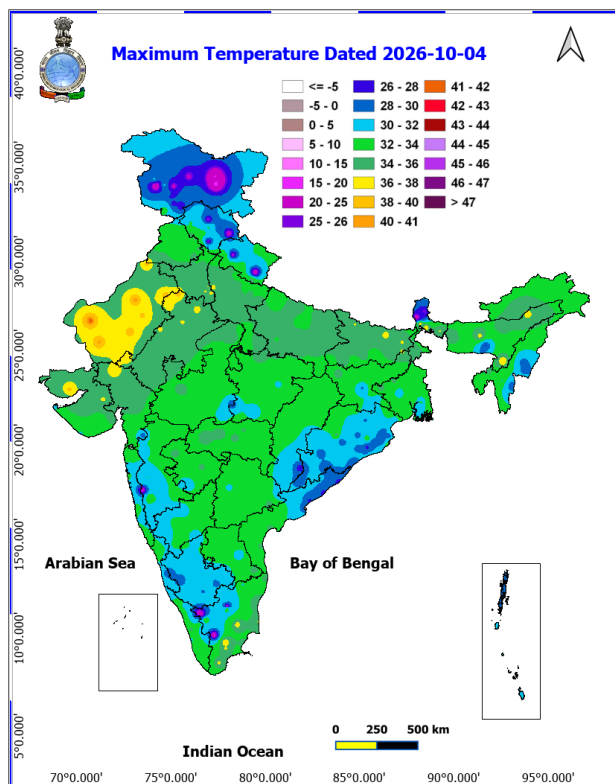


Fig. 2: Departure of Maximum Temp. Dated 2026-10-04

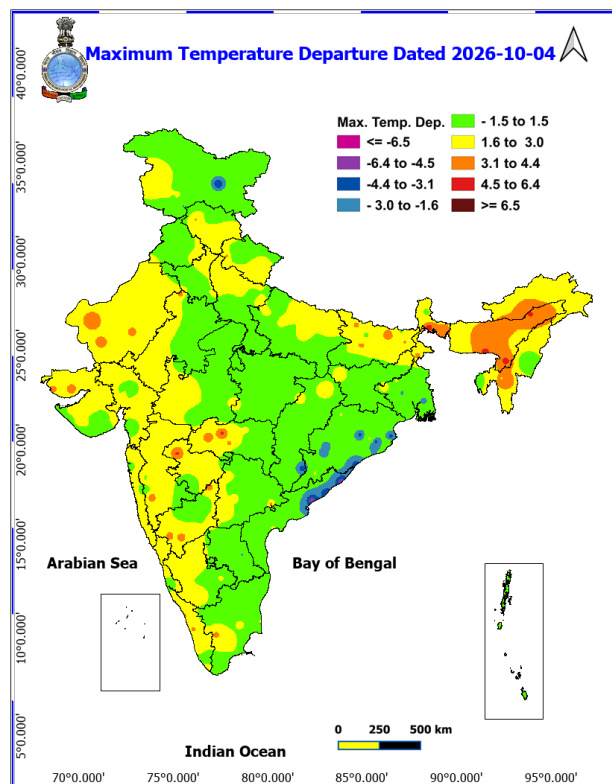


Fig. 3: Minimum Temperatures Dated 2026-10-04

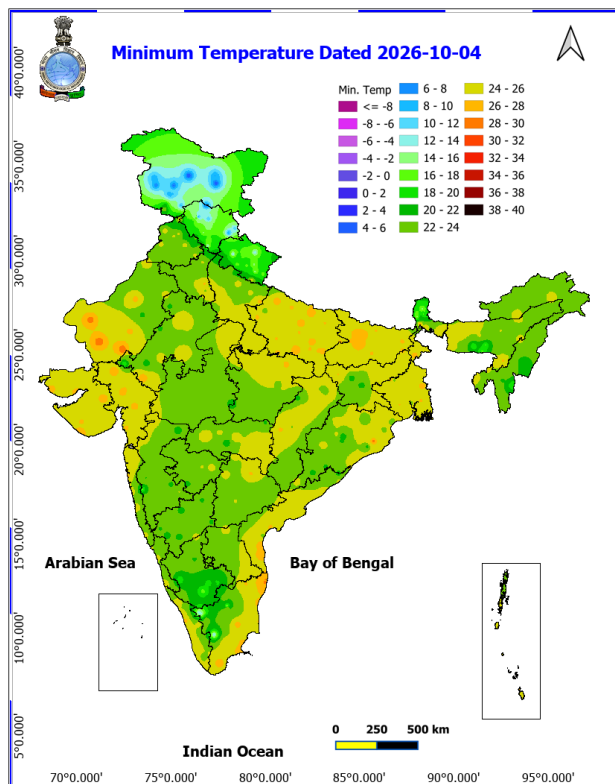
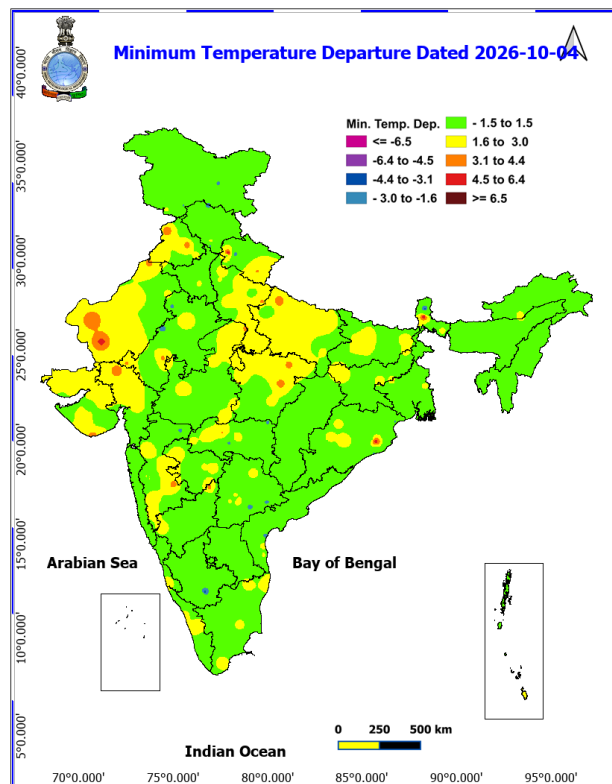
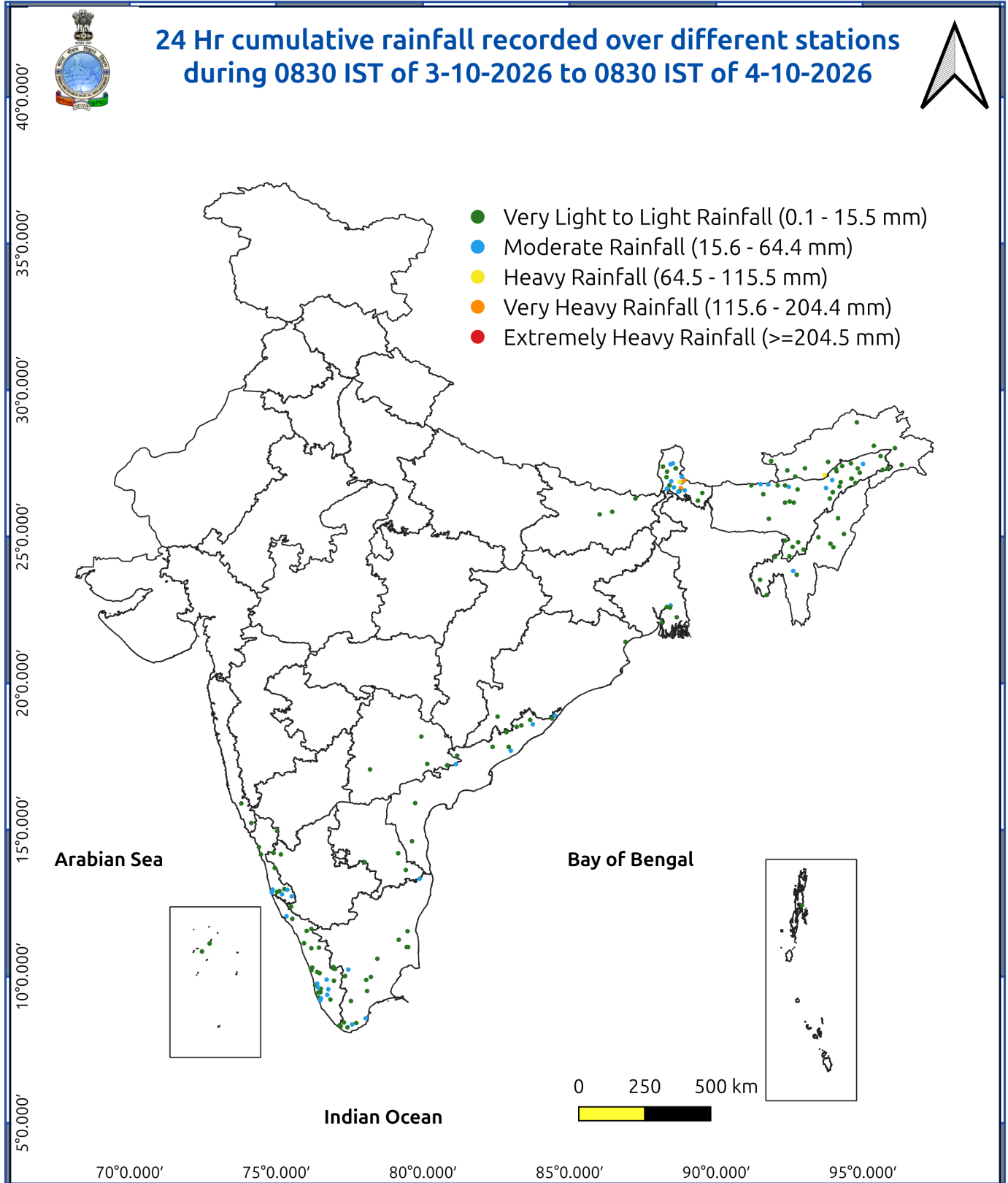


Fig. 4: Departure of Minimum Temp. Dated 2026-10-04





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Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Sub Himalayan West Bengal**, drainout excess water from rice fields, black gram, green gram and vegetables. Harvest cardamom and keep in safer places. Provide bamboo stakes to Dalle Khorsani (chilli) plants to prevent lodging and stem breakage.
- In **Keralam**, ensure effective drainage from paddy, banana, coconut, pepper, ginger, turmeric, vegetables and other standing crops, with priority to low-lying and waterlogged fields. Provide strong support to banana and other vulnerable crops, strengthen drainage around plantations and postpone irrigation, fertilizer application and plant-protection operations until field conditions improve.
- In **Tamil Nadu**, drain excess water from rice, sorghum, maize, black gram and vegetable fields. Undertake detaching and propping of sugarcane and provide adequate support to banana, papaya and moringa to prevent lodging. Harvest mature paddy wherever conditions permit and keep harvested grains in dry storage.
- In **Coastal Karnataka**, maintain effective drainage in standing crop fields to prevent waterlogging and keep drainage channels clear. Provide mechanical support to banana and papaya plantations and staking to young plants and vegetables; undertake propping in sugarcane to minimise lodging.
- In **South Interior Karnataka**, maintain proper drainage in standing crop fields and remove excess rainwater promptly from low-lying areas. Postpone irrigation, intercultural operations, fertilizer and plant-protection applications while fields remain wet, and provide staking/propping support to vulnerable crops.
- In **Arunachal Pradesh**, maintain proper drainage in rice, finger millet, soybean and vegetable fields to remove excess water and prevent waterlogging. Harvest mature upland/Jhum rice, finger millet, soybean and vegetables during suitable dry intervals and move the produce to safe, covered storage.
- In **Assam and Meghalaya**, maintain effective drainage in rice, maize, soybean, pigeon pea and vegetable fields, keeping field channels clear to prevent waterlogging. In Assam, maintain drainage furrows in pigeon pea and protect sugarcane from lodging; harvest mature jute and vegetables wherever conditions permit and postpone fertilizer, pesticide and other field operations during wet conditions.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Advisories for likely impact of Heavy Rainfall for Livestock / Poultry / Fisheries

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

Legends & abbreviations:

- **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- **Region wise classification of meteorological Sub-Divisions:**
- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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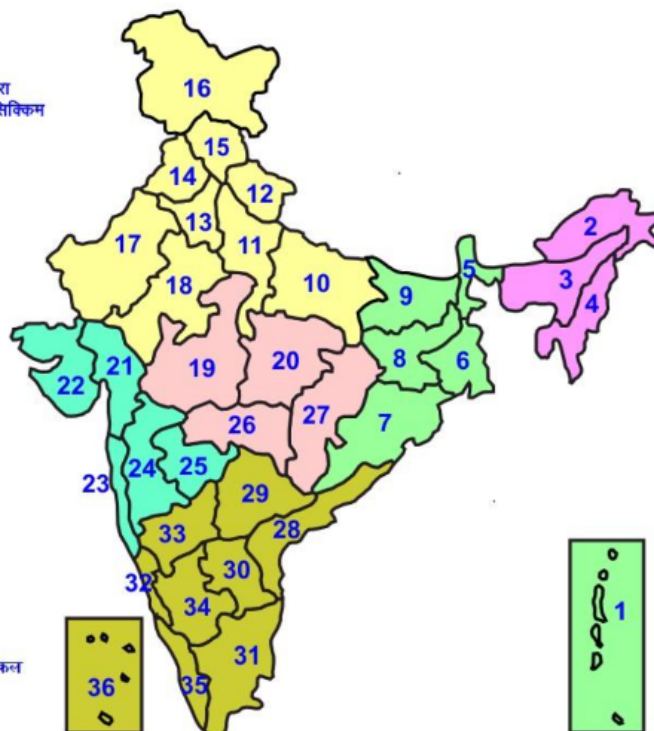
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- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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. Marathwada
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 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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