

2026-09-30

Time of Issue: 08:27:00 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 2nd-6th October; Uttarakhand during 30th September-2nd October and on 5th & 6th October.
- **Isolated to Scattered** rainfall likely over East Rajasthan and East Uttar Pradesh on 30th September.

Central India:

- **Isolated to Scattered** rainfall likely over Vidarbha and West Madhya Pradesh on 30th September; East Madhya Pradesh during 30th September-3rd October; Chhattisgarh during 2nd-6th October.
- Isolated **thunderstorm & lightning** likely over West Madhya Pradesh on 30th September; East Madhya Pradesh during 30th September-1st October.

East India:

- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha and Sub-Himalayan West Bengal & Sikkim during 30th September-6th October; Jharkhand during 30th September-2nd October; Bihar on 30th September and during 3rd-6th October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 3rd-6th October; Odisha during 30th September-1st October.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 30th September-6th October; Nagaland, Manipur, Mizoram & Tripura during 1st-6th October.
- **Fairly Widespread to Widespread** rainfall likely over Nagaland, Manipur, Mizoram & Tripura on 30th September.
- Isolated **thunderstorm & lightning** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 30th September-1st October.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 2nd-4th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 30th September.

West India:

- **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 30th September-6th October; Marathwada on 30th September; Gujarat Region and Saurashtra & Kutch during 30th September-1st October.
- Isolated **thunderstorm & lightning** likely over Marathwada on 30th September.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Lakshadweep, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 30th September-6th October; Kerala & Mahe on 30th September; Coastal Karnataka on 30th September and during 3rd-6th October; South Interior Karnataka during 2nd-6th October; Telangana during 2nd-3rd October.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-6th October; Coastal Karnataka during 1st-2nd October; South Interior Karnataka during 30th September-1st October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 30th September-2nd October; Kerala & Mahe during 1st-3rd

*Red color warning does not mean "Red Alert" Red color warning means "Take Action"

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October; Rayalaseema during 30th September-3rd October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka and South Interior Karnataka during 30th September-3rd October; Telangana during 2nd-3rd October.

- Isolated **thunderstorm & lightning** likely over Kerala & Mahe on 30th September.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 30th September-1st October; Kerala & Mahe during 30th September-3rd October; North Interior Karnataka on 30th September; South Interior Karnataka during 30th September-2nd October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 30th September-3rd October.

Fishermen warnings:

Along & off north Myanmar and Bangladesh coasts adjoining northeast during 30th September to 01st October.

Main Weather Observations:

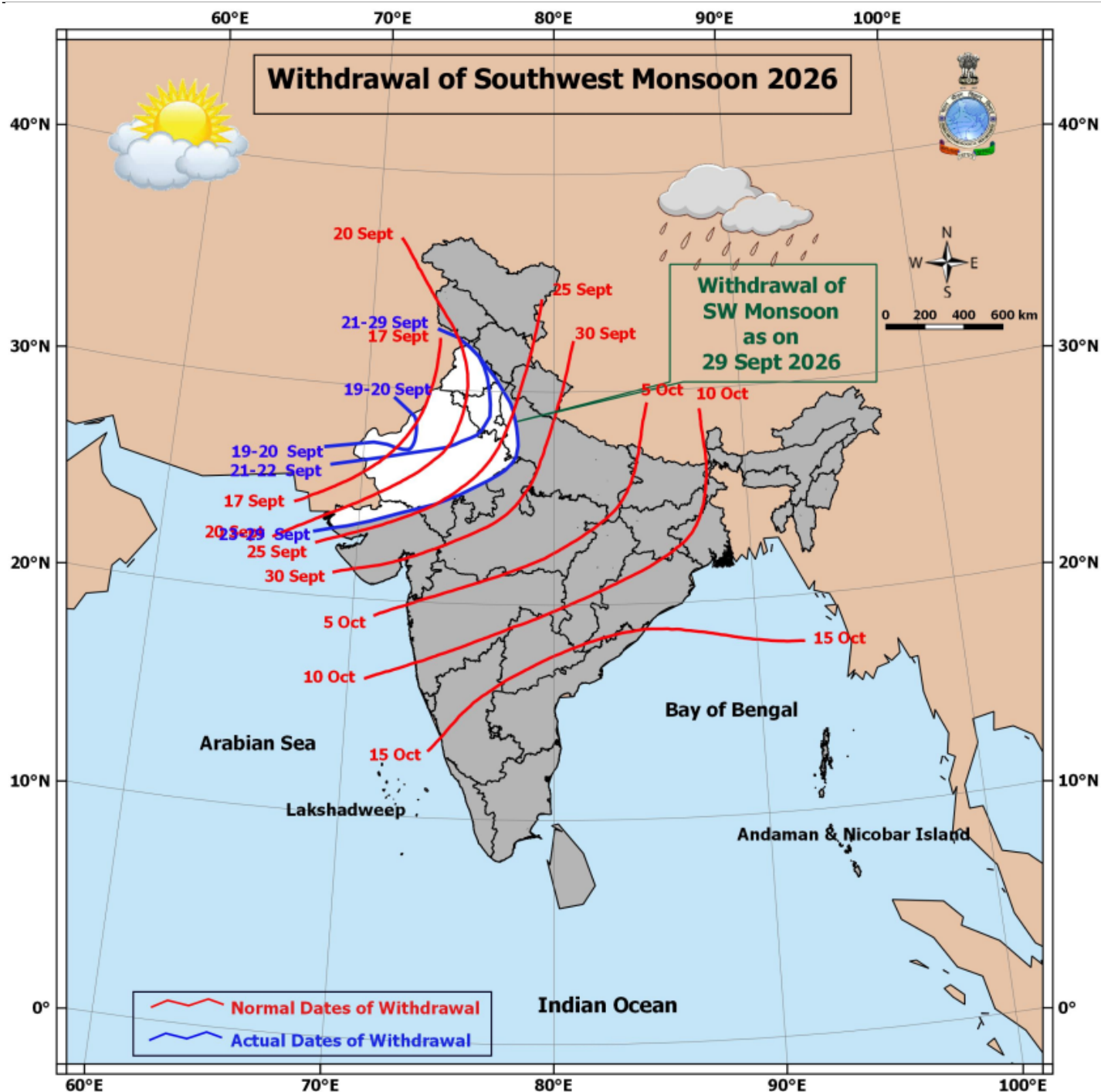
❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Andaman & Nicobar Islands; **at many places** over East Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, South Interior Karnataka, North Interior Karnataka, Madhya Maharashtra, Konkan & Goa and Lakshadweep; **Dry** over rest of the country.

❖ **Minimum Temperature Departures (as on 29-09-2026):** **markedly above normal(> 5.1°C)** at few places over Himachal Pradesh; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar and East Uttar Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Marathwada, Rayalaseema and Lakshadweep; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, Bihar, West Uttar Pradesh, Punjab, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Gangetic West Bengal, West Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Vidarbha, North Interior Karnataka and South Interior Karnataka; at most places over Odisha, Jharkhand, Bihar, East Uttar Pradesh, Uttarakhand, West Rajasthan, Gujarat Region, Chhattisgarh, Telangana, Coastal Karnataka and Kerala & Mahe; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Punjab, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Haryana-Chandigarh-Delhi, Himachal Pradesh, Marathwada and Rayalaseema. **The lowest minimum temperature** of 16.6°C was reported at INDORE (MADHYA PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 29-09-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Himachal Pradesh and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at many places over Rayalaseema; at most places over Arunachal Pradesh; at few places over Sub Himalayan West Bengal & Sikkim and Kerala & Mahe; at isolated places over Marathwada, Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **above normal(1.6°C to 3.0°C)** at most places over Coastal Karnataka; at few places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Odisha, South Interior Karnataka and Lakshadweep; at isolated places over Gangetic West Bengal, Bihar, Konkan & Goa and Madhya Maharashtra. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Uttarakhand, East Rajasthan and Saurashtra & Kutch; at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region and Chhattisgarh; at few places over East Uttar Pradesh, Punjab, West Rajasthan, West Madhya Pradesh and East Madhya Pradesh; at isolated places over West Uttar Pradesh and Haryana-Chandigarh-Delhi. **The highest**

Meteorological Analysis (Based on 0530 hours IST)

- The **Depression** over coastal Myanmar and adjoining Northeast Bay of Bengal & southeast Bangladesh moved north-northwestwards and weakened into a **Well-Marked Low Pressure Area** over North Myanmar and adjoining areas of southeast Bangladesh, Mizoram & Northeast Bay of Bengal at 0530 hrs IST of today, the 30th September 2026. It is very likely to move north-northwestwards towards Mizoram, Tripura & adjoining southeast Bangladesh and weaken gradually into a Low Pressure Area during next 24 hours.
- The **line of withdrawal of Southwest Monsoon** continues to pass through 32.5°N/72.5°E, Gurdaspur, Chandigarh, Muzaffarnagar, Aligarh, Dholpur, Udaipur, Deesa, Naliya and 23.0°N/67.8°E.
- The **Western Disturbance** as a cyclonic circulation over north Haryana & neighbourhood between 3.1 & 4.5 km above mean sea level with a trough aloft in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 25°N persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh now lies over Southeast Uttar Pradesh & adjoining Bihar at 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Assam & neighbourhood persists and now extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over north Tamil Nadu & adjoining south Coastal Andhra Pradesh now lies over north coastal Tamil Nadu and extends upto 1.5 km above mean sea level.
- The **north-south** trough from south Telangana to Gulf of Mannar now runs from South Interior Karnataka to Gulf of Mannar across Tamil Nadu at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Eastcentral Arabian sea between 1.5 & 4.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over Northwest & adjoining Westcentral Bay of Bengal between 3.1 & 4.5 km above mean sea level has become less marked.

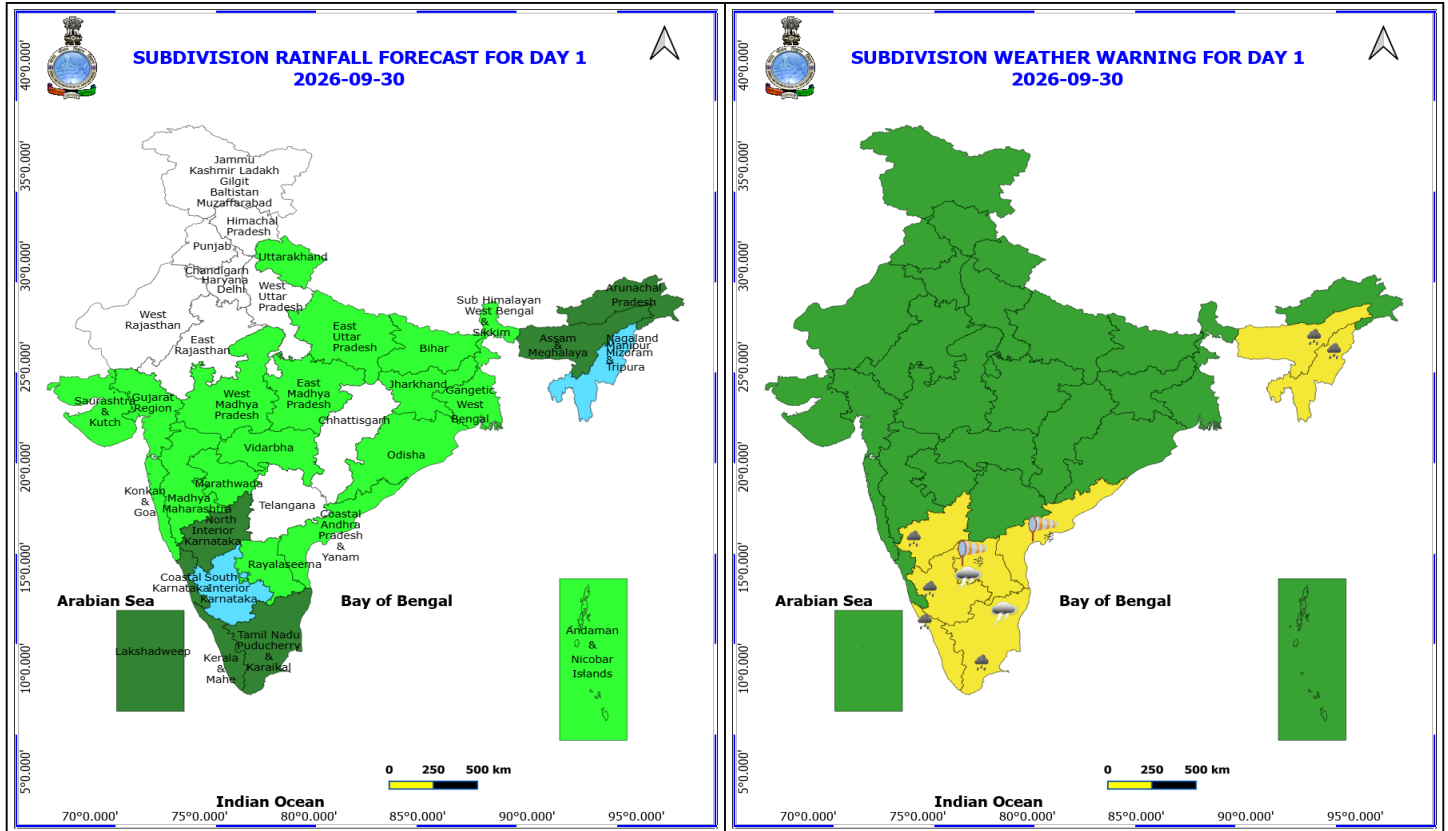


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30 September (Day 1)

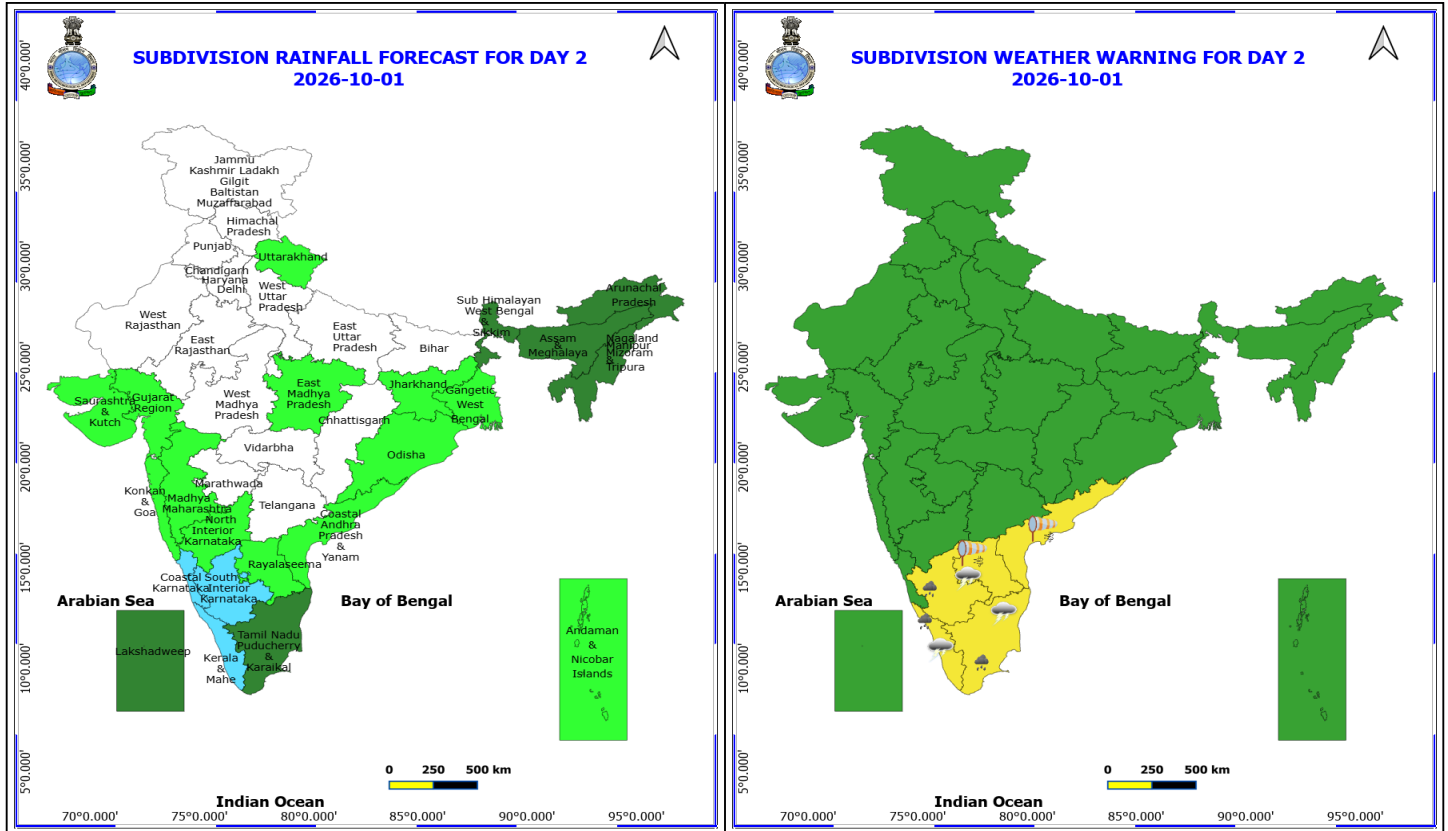
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Interior Karnataka, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Rayalaseema and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Andhra Pradesh, Interior Karnataka and Odisha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Kerala & Mahe, Madhya Pradesh, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining few parts of southwest Arabian Sea.
- ❖ **Bay of Bengal:** Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over north Andaman Sea and along & off south Myanmar coast adjoining some parts of eastcentral Bay of Bengal.
- ❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over south Andaman Sea, along & off west Myanmar coast and over some parts of southeast Bay of Bengal.

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1 October (Day 2)

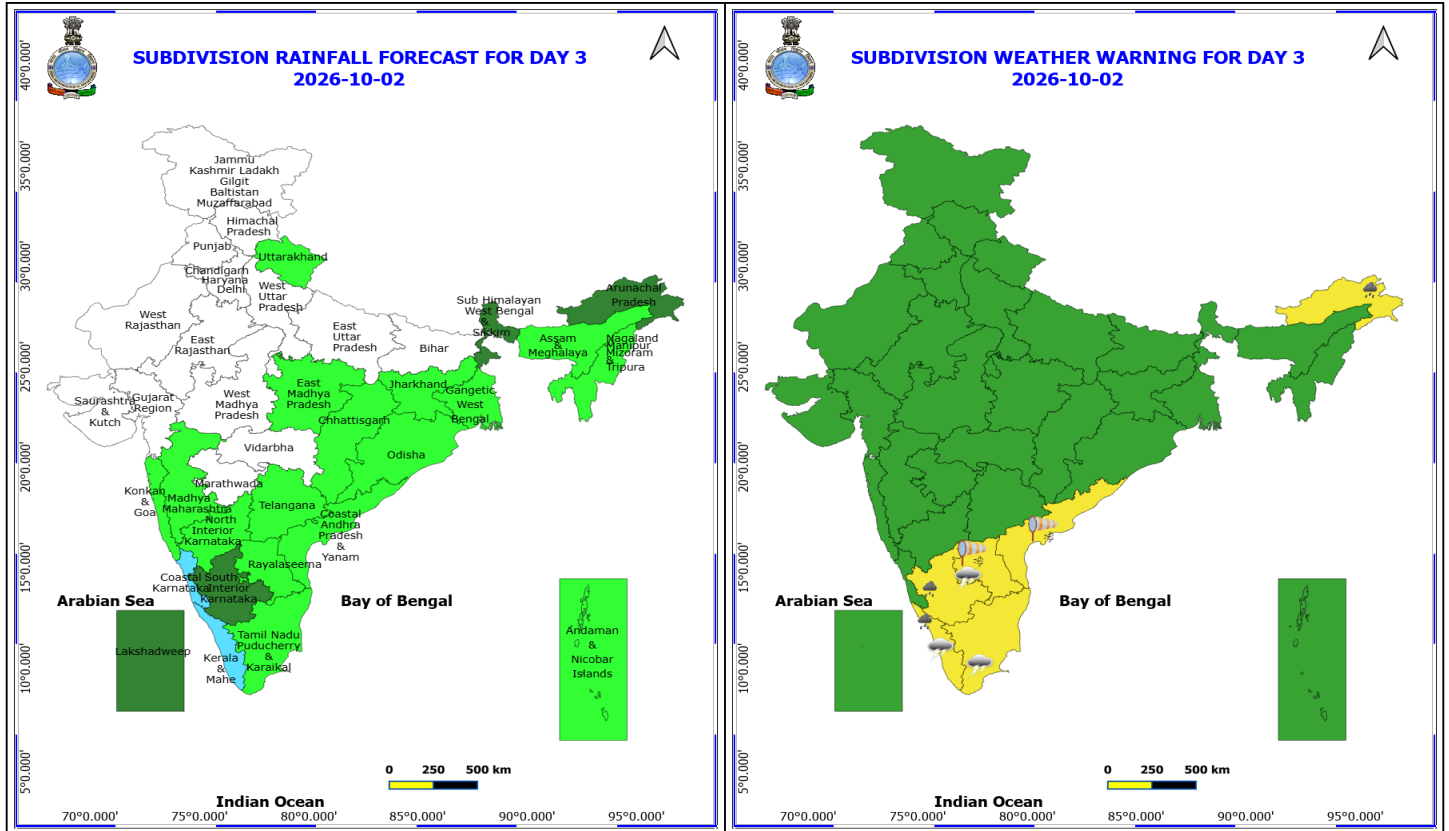
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Kerala & Mahe, Rayalaseema and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Andhra Pradesh, Interior Karnataka and Odisha.
 - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, East Madhya Pradesh and Nagaland, Manipur, Mizoram and Tripura.
 - ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
-
- ❖ Bay of Bengal: Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along & off north Myanmar and Bangladesh coasts adjoining northeast, few parts of northwest and some parts of eastcentral Bay of Bengal.

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2 October (Day 3)

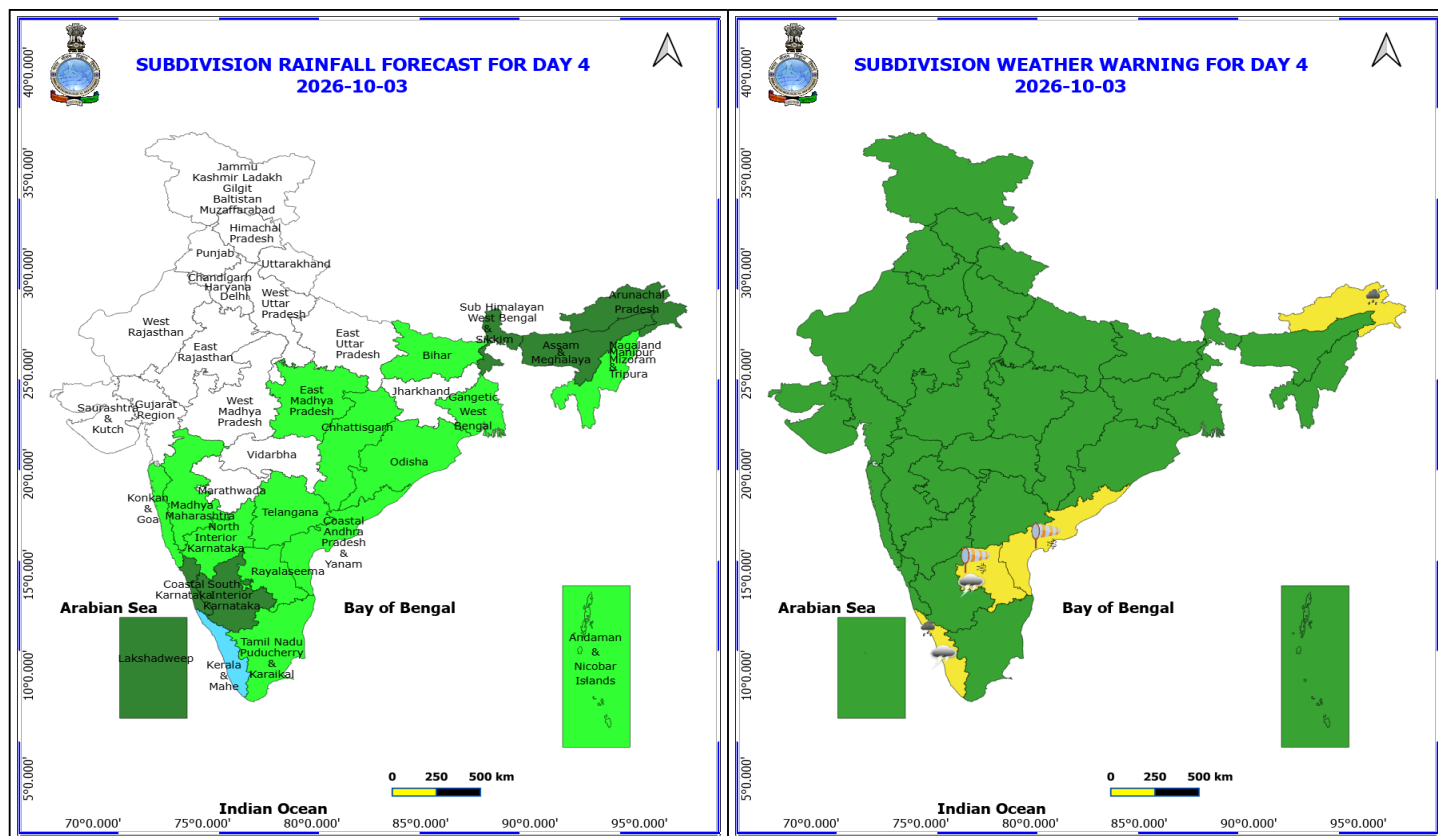
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Kerala & Mahe, Rayalaseema and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Andhra Pradesh, Interior Karnataka and Telangana.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Bay of Bengal:** Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along & off north Myanmar and Bangladesh coasts adjoining northeast, few parts of northwest and some parts of eastcentral Bay of Bengal.

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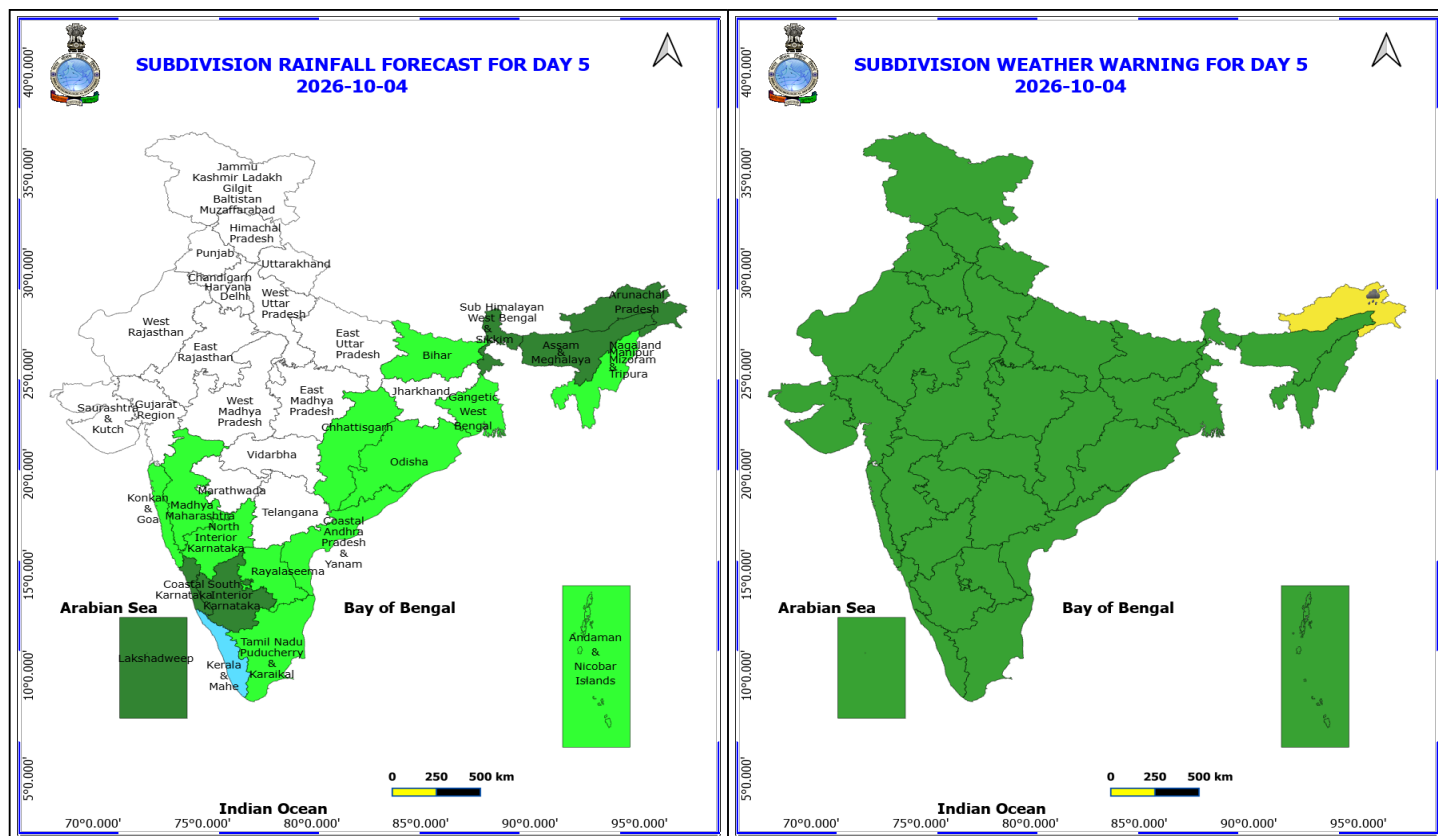
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3 October (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Kerala & Mahe and Rayalaseema.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Coastal Andhra Pradesh, Interior Karnataka and Telangana.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

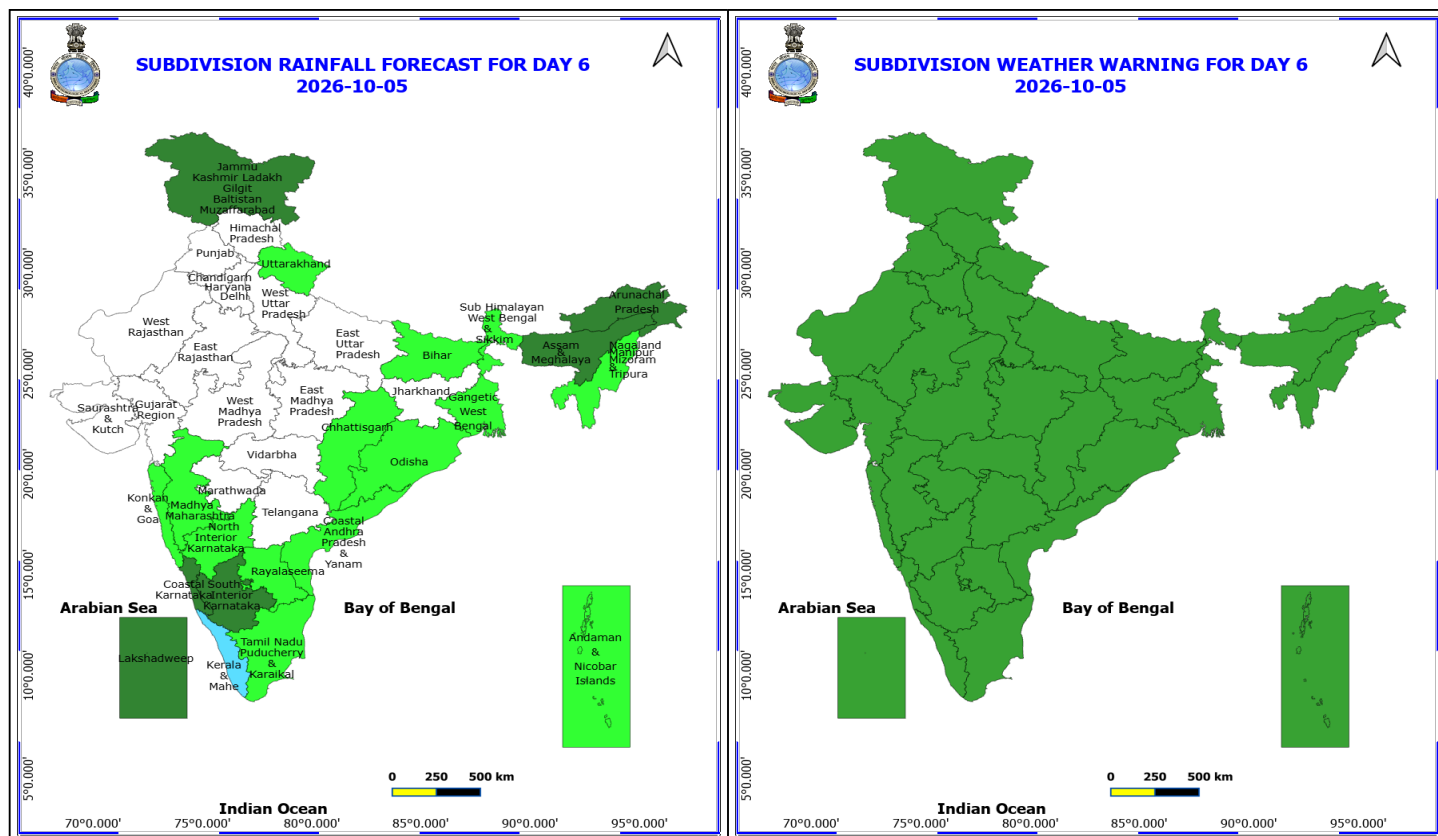
No Fishermen Warning



4 October (Day 5)

- ❖ Heavy Rainfall likely at isolated places over Arunachal Pradesh.
- ❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) likely at isolated places over Bihar.

No Fishermen Warning



5 October (Day 6)

❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) likely at isolated places over Bihar.

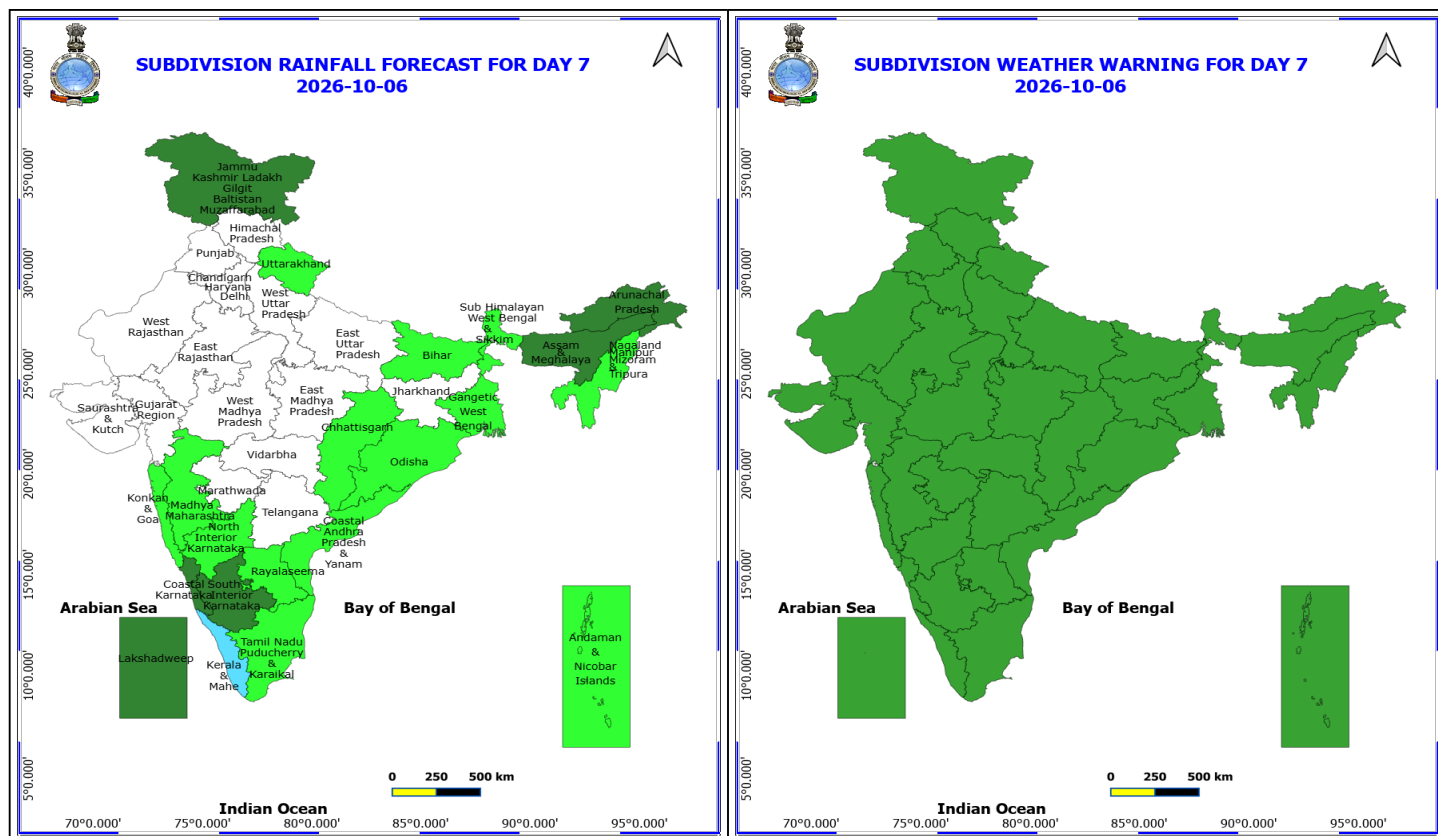
No Fishermen Warning

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6 October (Day 7)

❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) likely at isolated places over Bihar.

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	30- Sep	1- Oct	2- Oct	3- Oct	4- Oct	5- Oct	6- 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	SCT	SCT	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	SCT	SCT	ISOL	SCT	SCT	SCT	SCT
4	N. M. M. & T.	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	ISOL	SCT	SCT	SCT	SCT	ISOL	ISOL
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	DRY	DRY	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	DRY	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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
21	GUJRAT REGION	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	FWS	FWS	SCT	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
35	KERALA	SCT	FWS	FWS	FWS	FWS	FWS	FWS
36	LAKSHDWEAP	SCT	SCT	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 2026-09-29

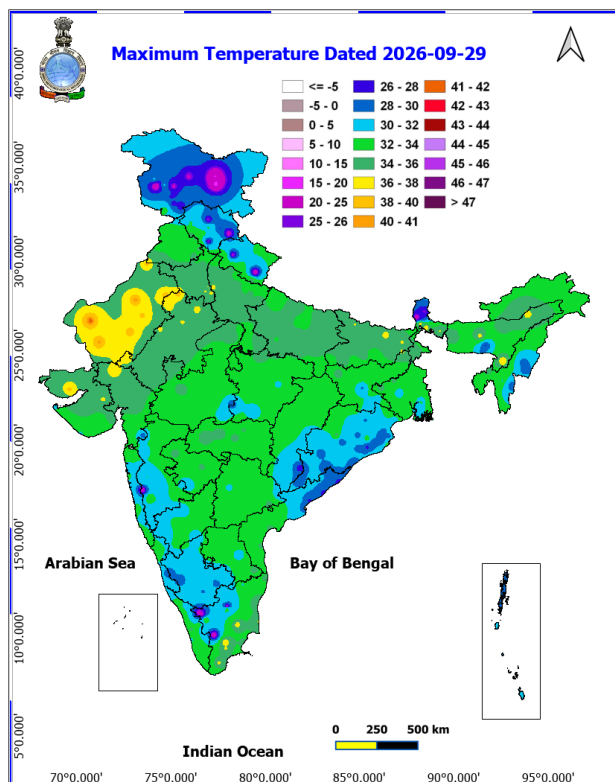


Fig. 2: Departure of Maximum Temp. Dated 2026-09-29

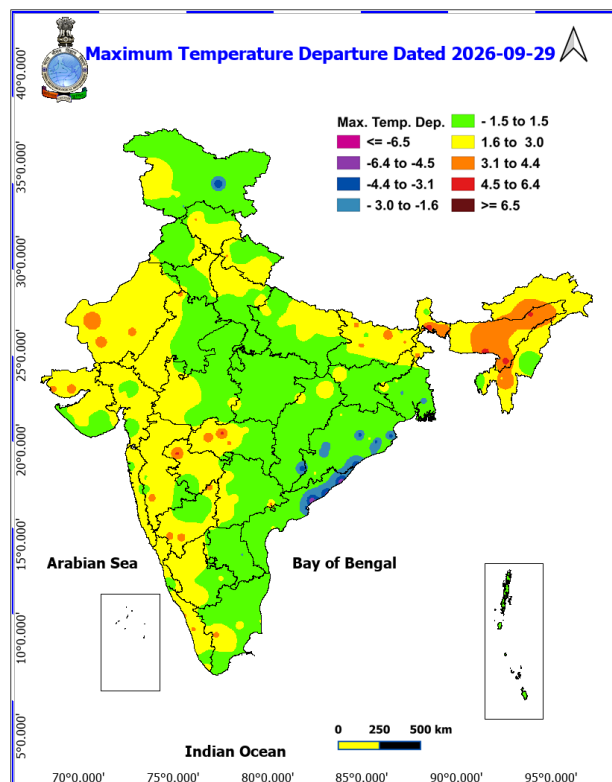


Fig. 3: Minimum Temperatures Dated 2026-09-29

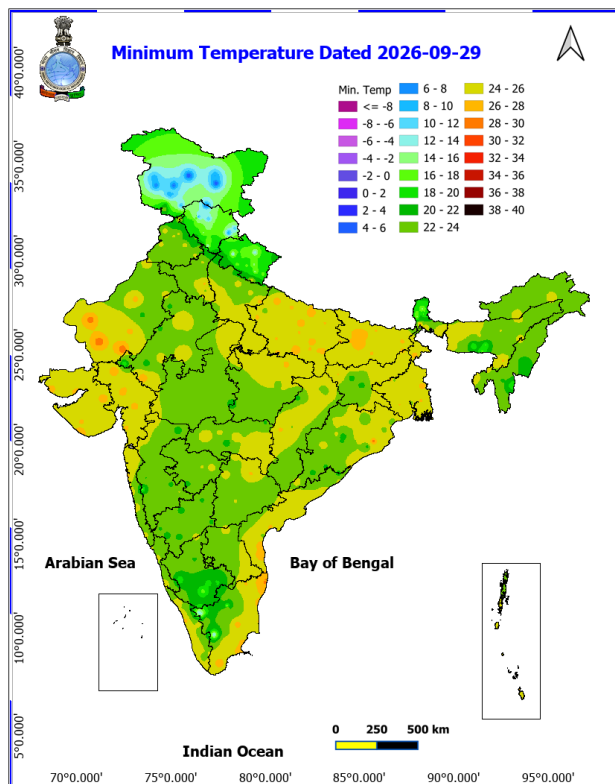
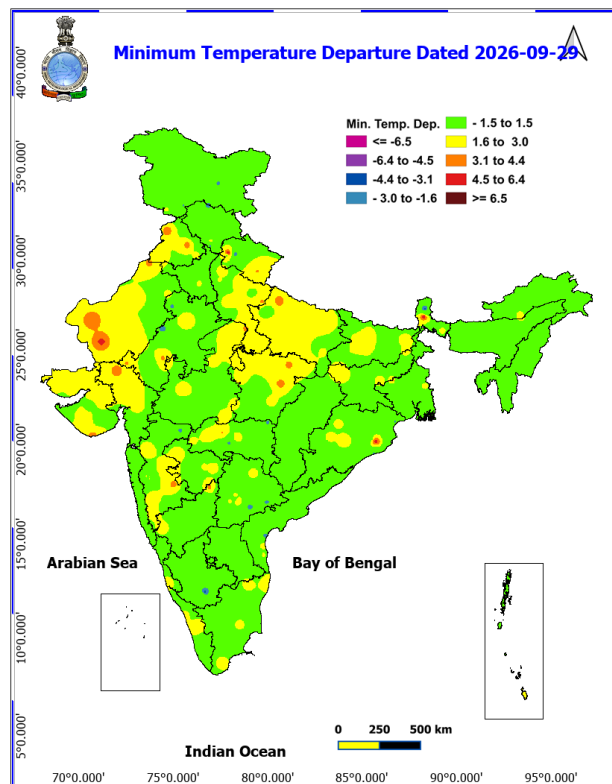
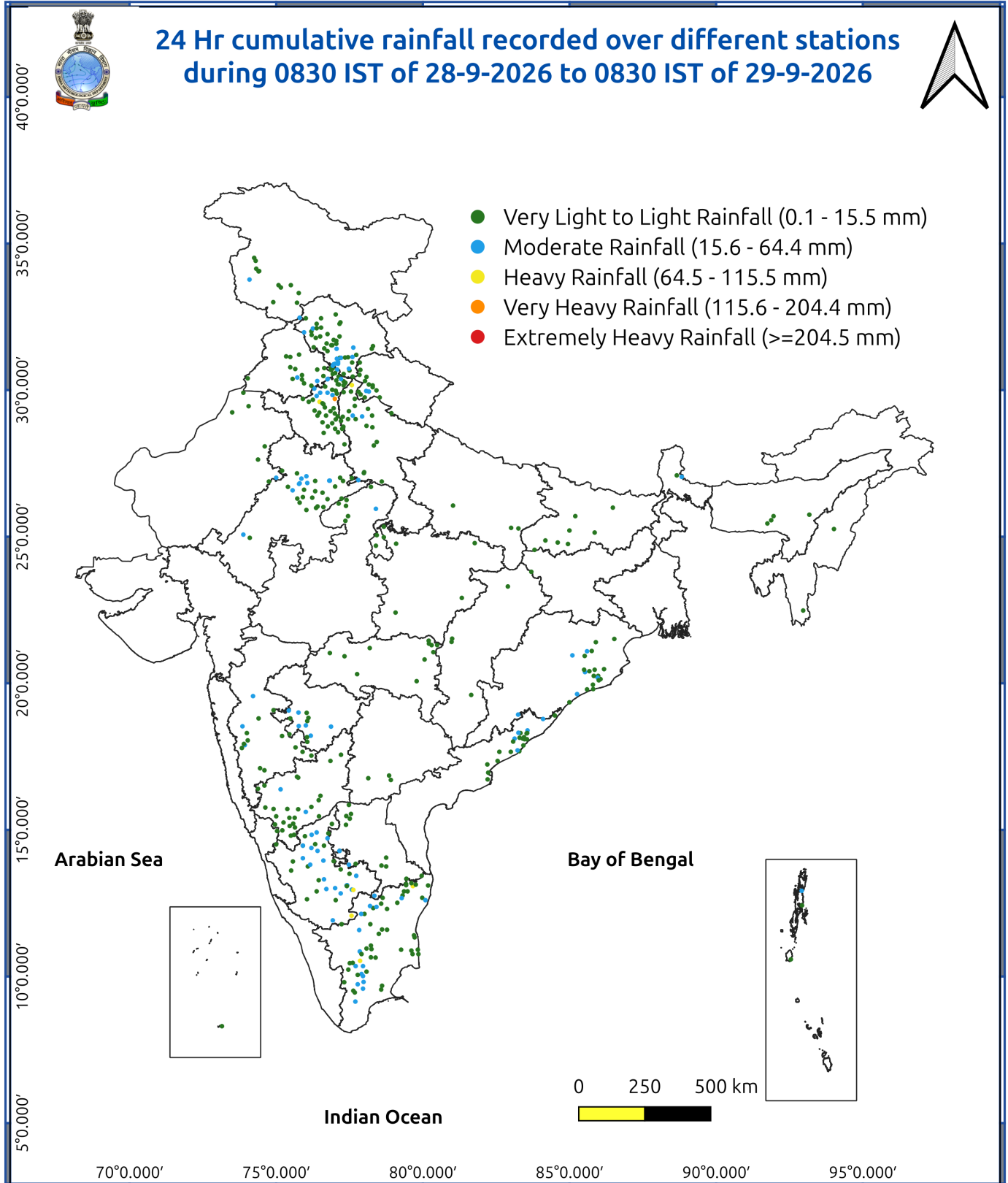


Fig. 4: Departure of Minimum Temp. Dated 2026-09-29





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Impact and Actions

Impact Expected and Action Suggested due to very heavy rainfall

- Isolated **heavy rainfall** likely over Arunachal Pradesh during 2nd-4th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram, Tripura and North Interior Karnataka on 30th; Tamil Nadu, Puducherry & Karaikal on 1st October; Kerala & Mahe during 30th September-3rd October; South Interior Karnataka during 30th September-2nd 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**, protect mature pineapple and other horticultural produce from rain damage and harvest during dry intervals. Keep vegetable fields well drained, avoid field operations when soil is excessively wet, and protect nursery beds and newly planted crops from waterlogging.
- In **Karnataka**, maintain drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection. Harvest mature green gram, black gram and soybean during dry intervals and shift harvested produce to safe, covered storage.
- In **Kerala**, maintain drainage in banana, coconut, paddy, spice and vegetable fields and prevent water stagnation in field. Postpone irrigation and field operations during rainfall.
- In **Arunachal Pradesh**, ensure proper drainage in rice, maize, finger millet, soybean and vegetable fields to prevent waterlogging. Harvest mature Jhum rice, soybean and vegetables during dry intervals and shift the produce to covered, dry shelters. Protect vegetable nurseries under covered structures and support vulnerable crops against lodging.
- In **Assam** and **Meghalaya**, drain excess water from Sali rice, maize, ginger and vegetable fields and keep drainage channels clear. Harvest mature jute, banana and bottle gourd during dry intervals and shift produce to safe, dry places. Maintain field bunds and protect vegetable nurseries from excess rain.
- In **Nagaland, Manipur, Mizoram** and **Tripura**, ensure adequate drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection applications while fields remain wet. Harvest

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mature Jhum rice, maize, soybean, groundnut and black gram during suitable dry intervals and shift the produce to safe storage.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

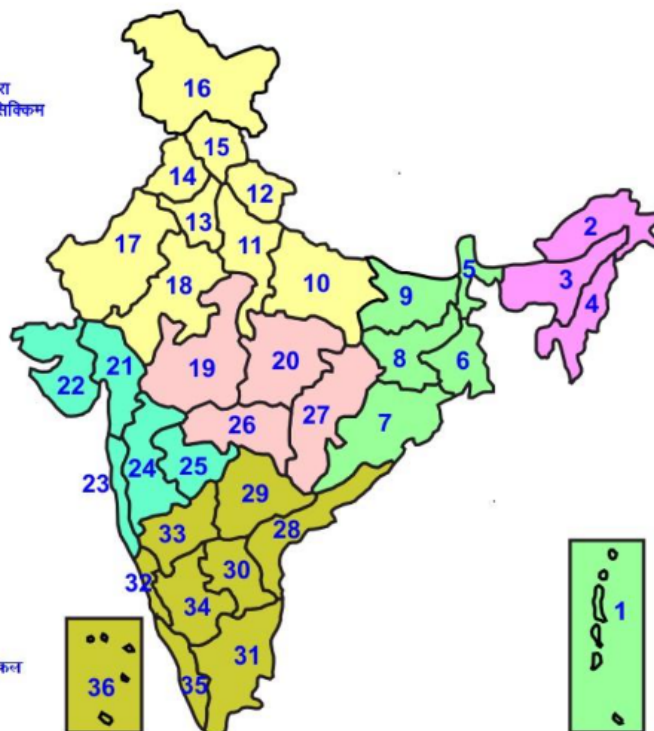
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

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
-  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 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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