

2025-11-03

Time of Issue: 13:17:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Northwest India:

- Thunderstorm with lightning likely over West Rajasthan on 03<sup>rd</sup>; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 04<sup>th</sup> November.
- Scattered to Fairly wide spread rainfall/ snowfall likely over western Himalayan region on 04<sup>th</sup> & 05<sup>th</sup> and light rainfall over Punjab and Haryana on 04<sup>th</sup> & 05<sup>th</sup> November.

#### East India:

- Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) likely over Andaman & Nicobar Islands during 03<sup>rd</sup> – 05<sup>th</sup> November.

#### West India:

- Thunderstorm with lightning likely over Gujarat Region and Marathawada on Konkan & Goa and Madhya Maharashtra on 05<sup>th</sup>- 07<sup>th</sup> November.

#### Northeast India:

- Thunderstorm with lightning likely over Arunachal Pradesh & Nagaland, Manipur, Mizoram & Tripura on 3<sup>rd</sup> November.

#### South Peninsular India:

- Light to moderate rain/thunderstorm at many/some places likely over Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema during 04<sup>th</sup> -06<sup>th</sup>, Coastal Karnataka and North Interior Karnataka during 05<sup>th</sup>- 07<sup>th</sup> November.

#### Forecast of temperature:

- No significant change in minimum temperatures likely over Northwest & Central India during next 48 hours and gradual fall by 2-4? during subsequent 3-4 days.
- Gradual fall by 2-3? likely over East India during next 3 days and no significant change thereafter during subsequent 3-4 days.

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#### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Andaman & Nicobar Islands, Arunachal Pradesh and Konkan & Goa; **at a few places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Coastal Andhra Pradesh & Yanam and Telangana; **at isolated places** over Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Chhattisgarh, Rayalaseema, 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): **Konkan & Goa**: Mhasla (dist Raigad) 11; Murud (dist Raigad) 10; Mangaon (dist Raigad), Tala (dist Raigad), Dapoli ARG (dist Ratnagiri) 7 Each.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy rain** at isolated places over Konkan & Goa.

❖ **Fog Condition Observed (at 0830 hours of today)**: **Dense fog conditions**: at isolated places over Assam & Meghalaya and Konkan & Goa **Moderate fog conditions**: at a few places over Sub-himalayan West Bengal & Sikkim, at isolated places over Himachal Pradesh **Shallow fog conditions**: at a few places over Punjab, at isolated places over Bihar, Uttarakhand and Himachal Pradesh

❖ **Visibility reported (at 0830 hours of today)**: West uttar pradesh: Bulandshahr (dist Bulandshahr) ; Odisha: Sundargarh (dist Sundargarh), Bolangir, Titlagarh (dist Balangir), Koraput (dist Koraput), Chhatrapur (dist Ganjam), Rayagada-obs (dist Rayagada), Boudh (dist Boudh), Malkangiri-obs (dist Malkangiri), Paralakhemundi-obs (dist Gajapati) Each;.

❖ **Minimum Temperature Departures (as on 03-11-2025)**: The lowest minimum temperature of 11.5°C is reported at SIKAR (RAJASTHAN) over the Plains of India.

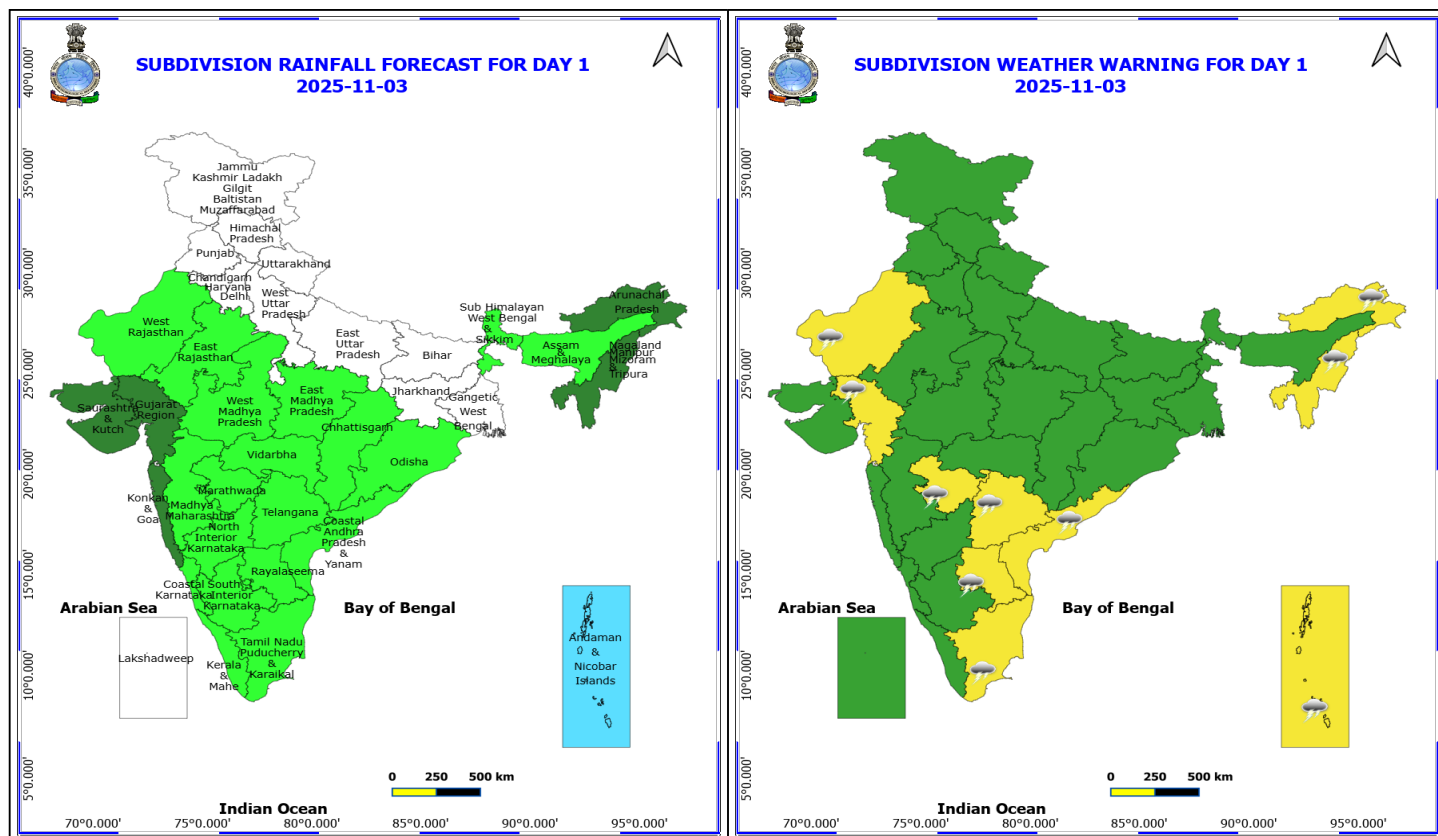
❖ **Maximum Temperature Departures (as on 02-11-2025)**: below normal(-1.6°C to -3.0°C) at many places over Bihar; at most places over Gujarat Region and Coastal Karnataka. **appreciably below normal(-5.0°C to -3.1°C)** at few places over Arunachal Pradesh. **The highest maximum temperature** of 37.4°C is reported at MADURAI (A) (TAMIL NADU).

#### Meteorological Analysis (Based on 0830 hours IST)

- The **low pressure area** over eastcentral Bay of Bengal & adjoining Myanmar coast with the associated cyclonic circulation extending upto 5.8 km above mean sea level persisted over the same region at 0830 hrs IST of today, the 03<sup>rd</sup> November 2025. It is likely to move north-northwestwards along & off Myanmar-Bangladesh coasts during next 24 hours.
- The **cyclonic circulation** over northeast Arabian Sea & neighbourhood lay over northeast Arabian Sea & adjoining Saurashtra and extended upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over east Bangladesh & neighbourhood persists and now extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Assam & neighbourhood at 1.5 km above mean sea level persists.
- A **Western Disturbance** as a trough in middle tropospheric level with its axis between 3.1 & 5.8 km above mean sea level runs roughly along Long. 60°E to the north of Lat. 32°N.
- The **trough** in westerlies roughly along Long. 90°E to the north of Lat. 22°N between 1.5 & 3.1 km above mean sea level persists.

#### Weather Outlook for subsequent 3 days

- Isolated to scattered rainfall activity likely over Eastern and Southern India.



### 3 November (Day 1)

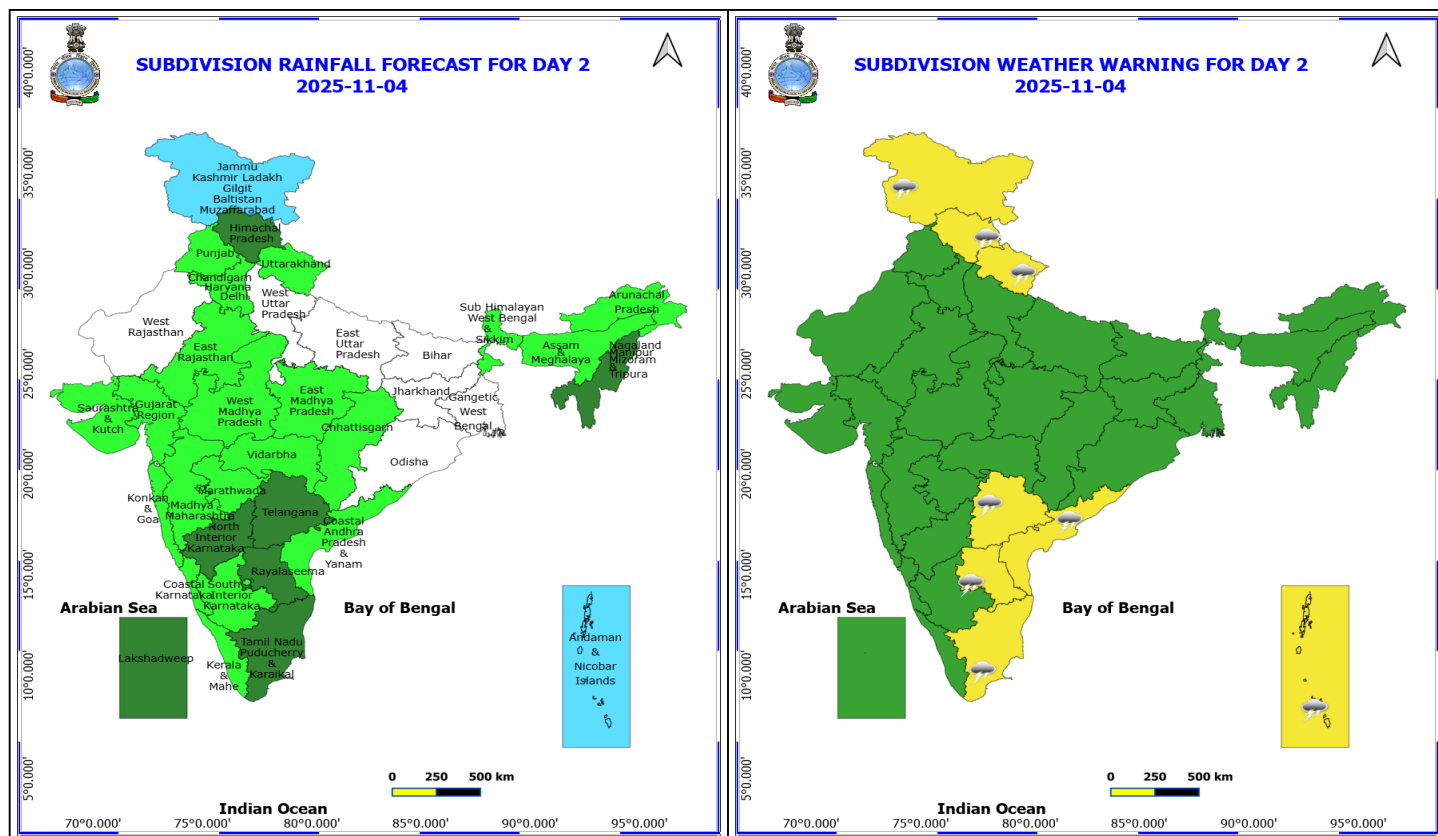
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Gujarat Region, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal, Telangana and West Rajasthan.
- Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph likely to prevail over Andaman Sea, many parts of eastcentral Bay of Bengal & adjoining northeast Bay of Bengal.

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#### 4 November (Day 2)

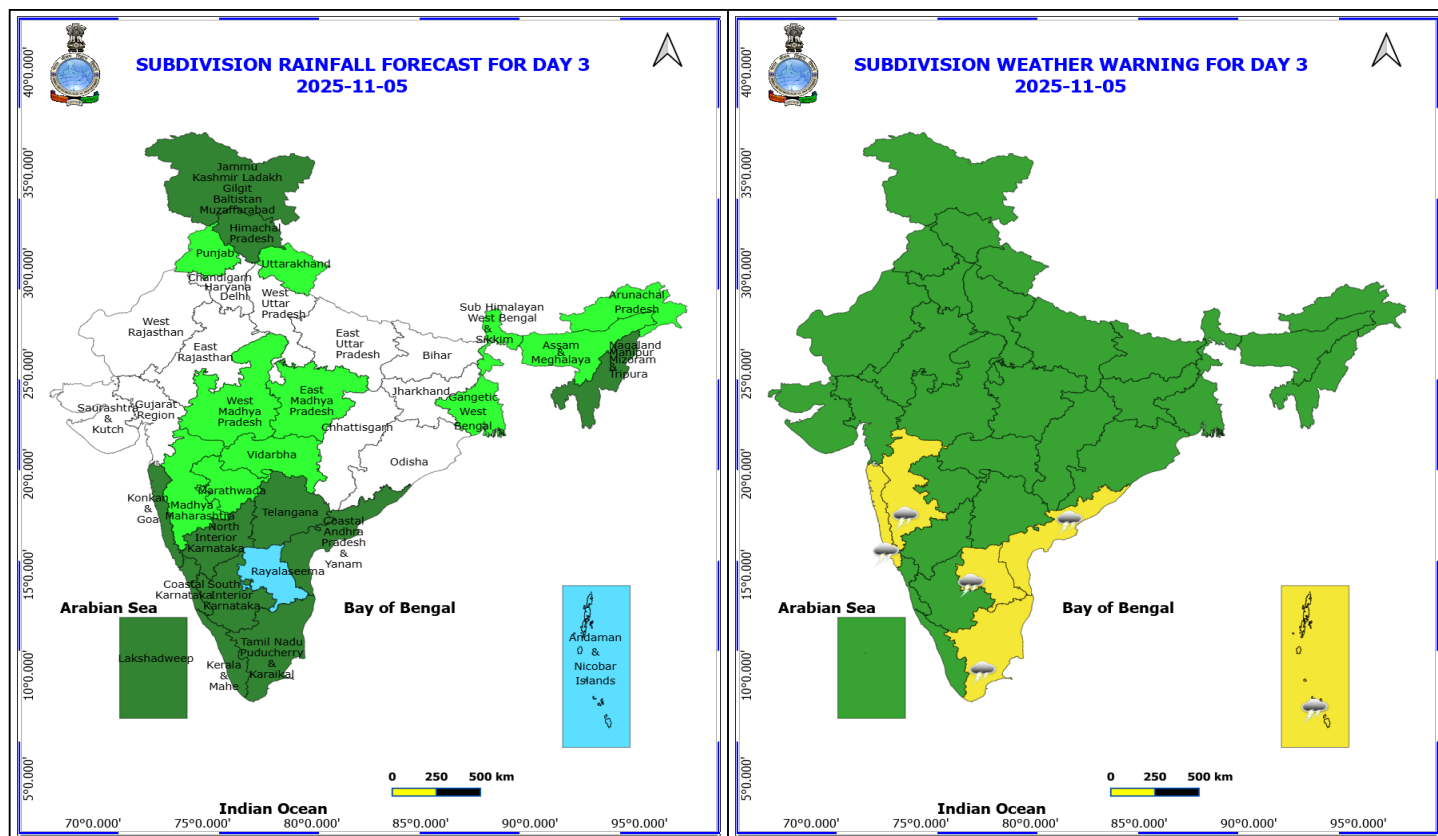
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph likely to prevail over Andaman Sea, some parts of eastcentral Bay of Bengal, along & off Bangladesh, Myanmar coasts and over some parts of Northeast Bay of Bengal.

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### 5 November (Day 3)

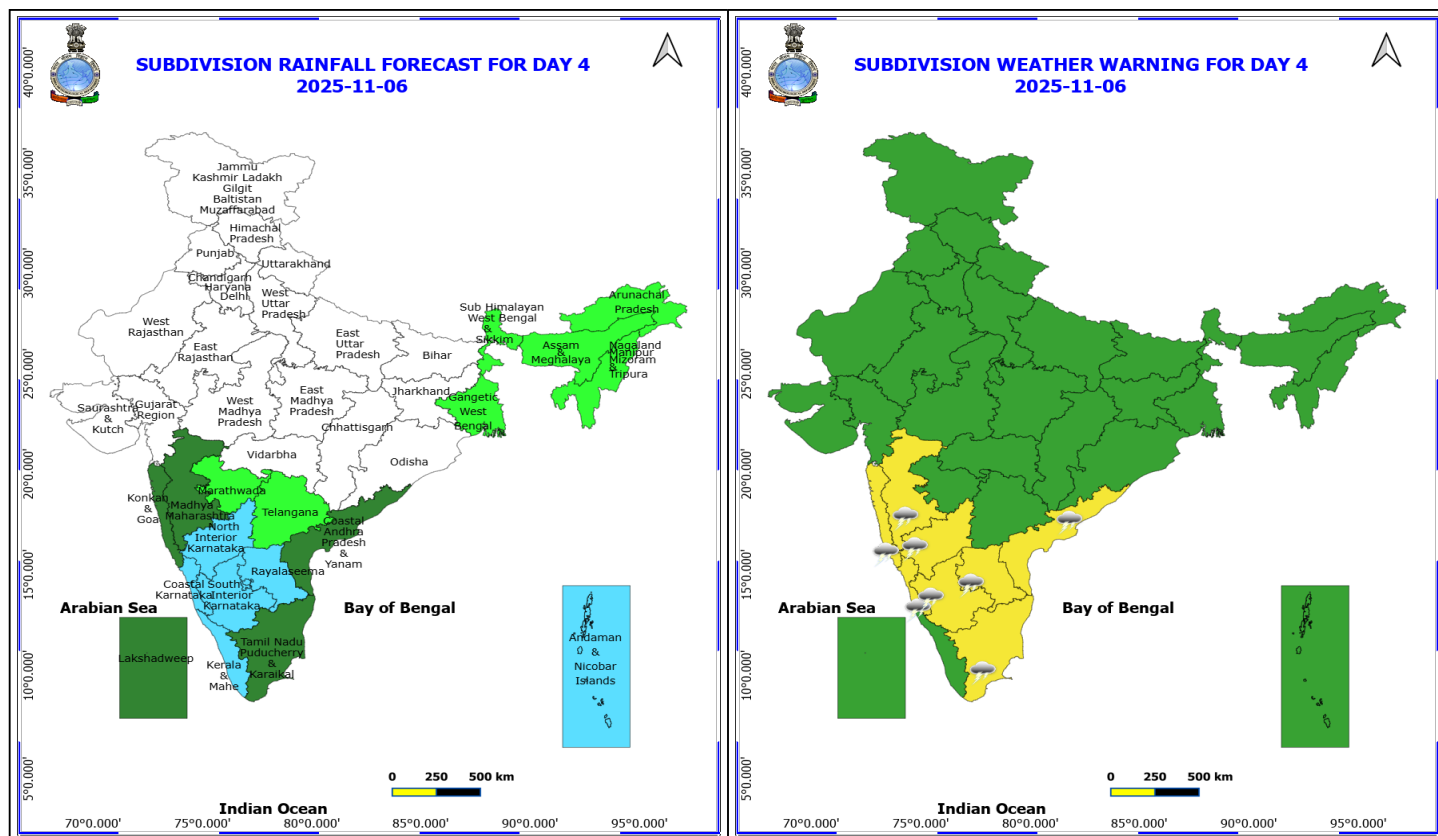
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Konkan & Goa, Madhya Maharashtra and Tamil Nadu Puducherry & Karaikal.
- Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph likely to prevail over Andaman Sea, some parts of eastcentral Bay of Bengal, along & off Bangladesh, Myanmar coasts and over some parts of Northeast Bay of Bengal.

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## 6 November (Day 4)

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Karnataka, Konkan & Goa, Madhya Maharashtra and Tamil Nadu Puducherry & Karaikal.

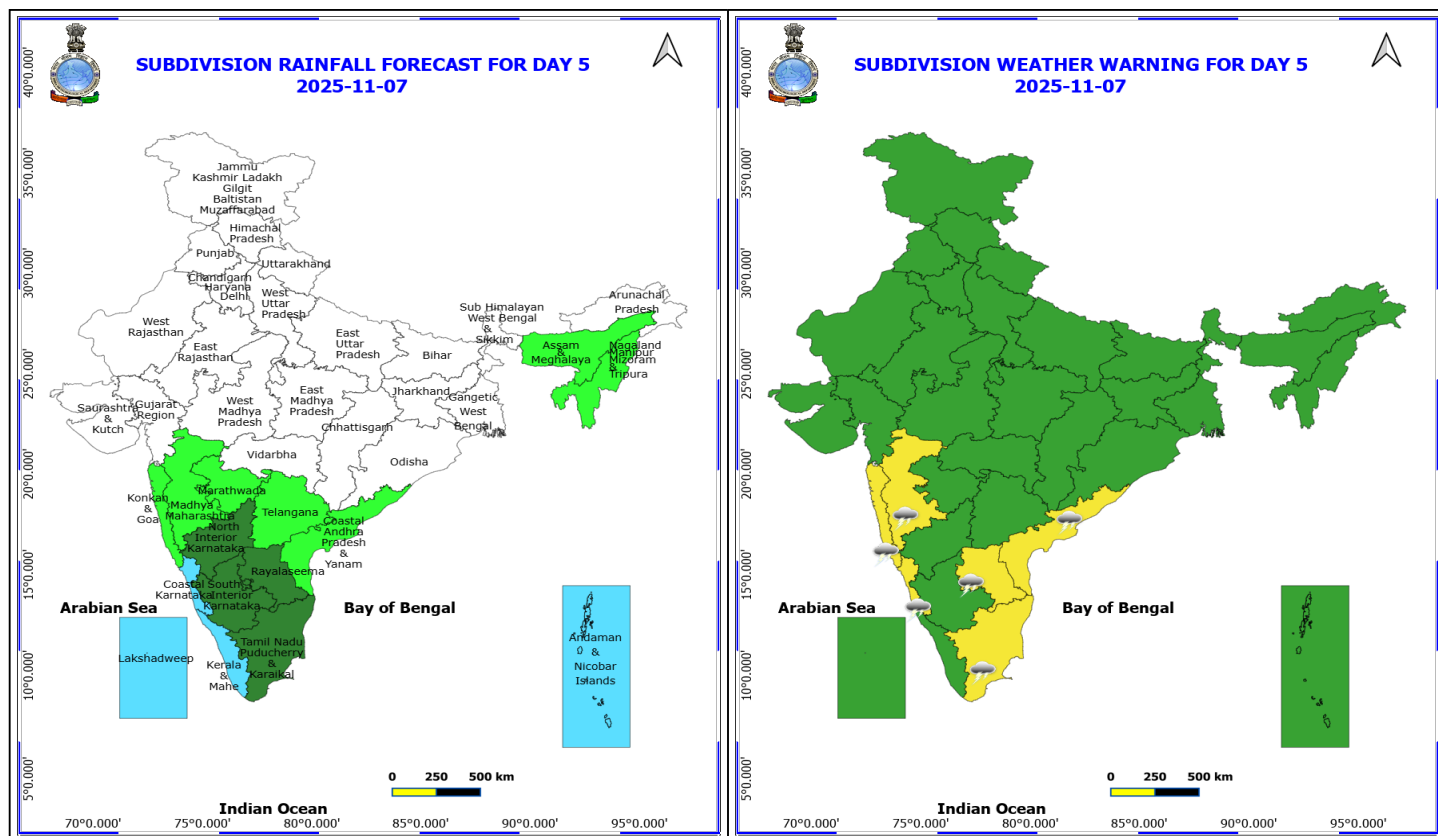
No Warning.

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## 7 November (Day 5)

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra and Tamil Nadu Puducherry & Karaikal.

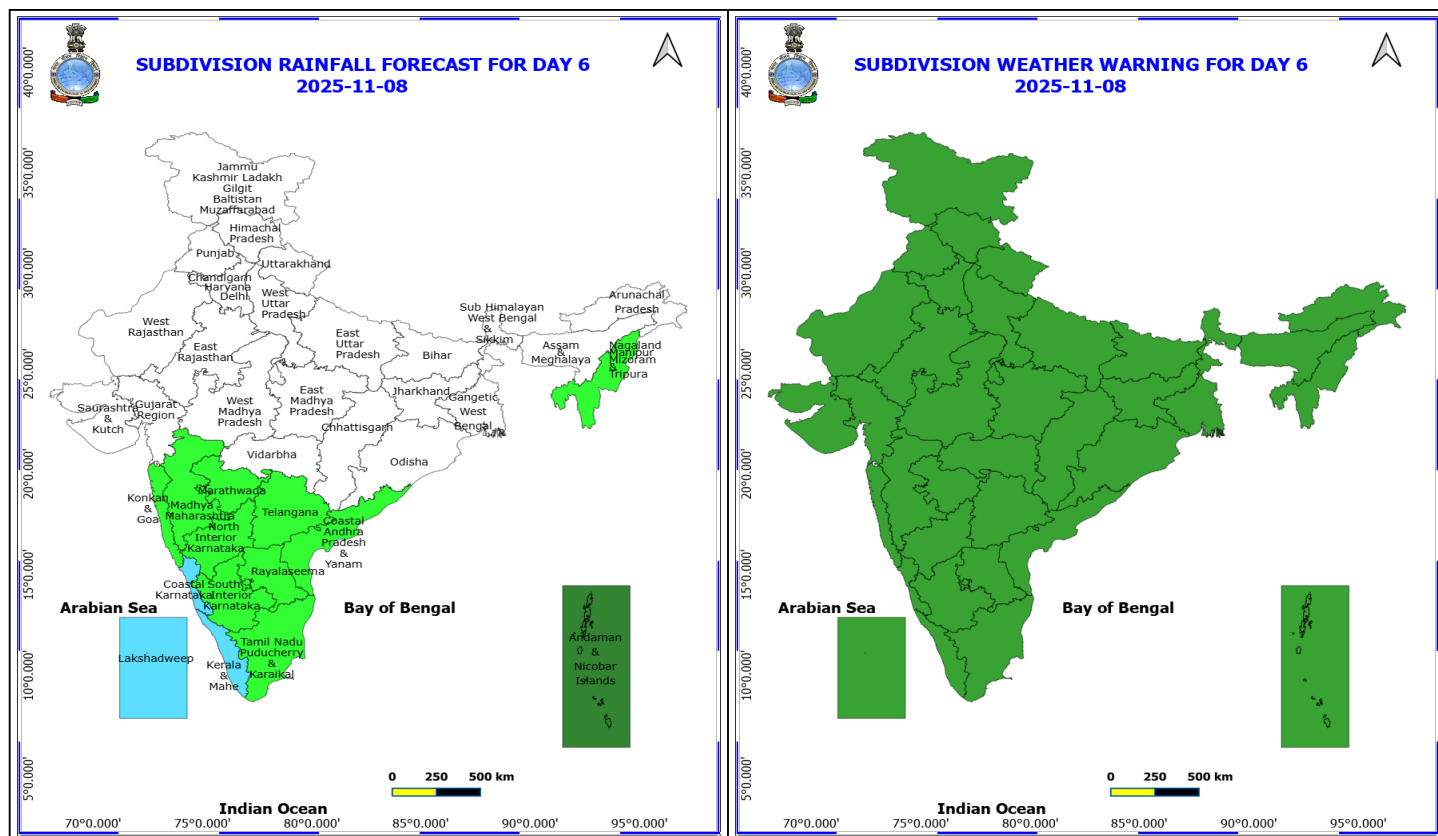
No Warning.

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8 November (Day 6)

No Warning

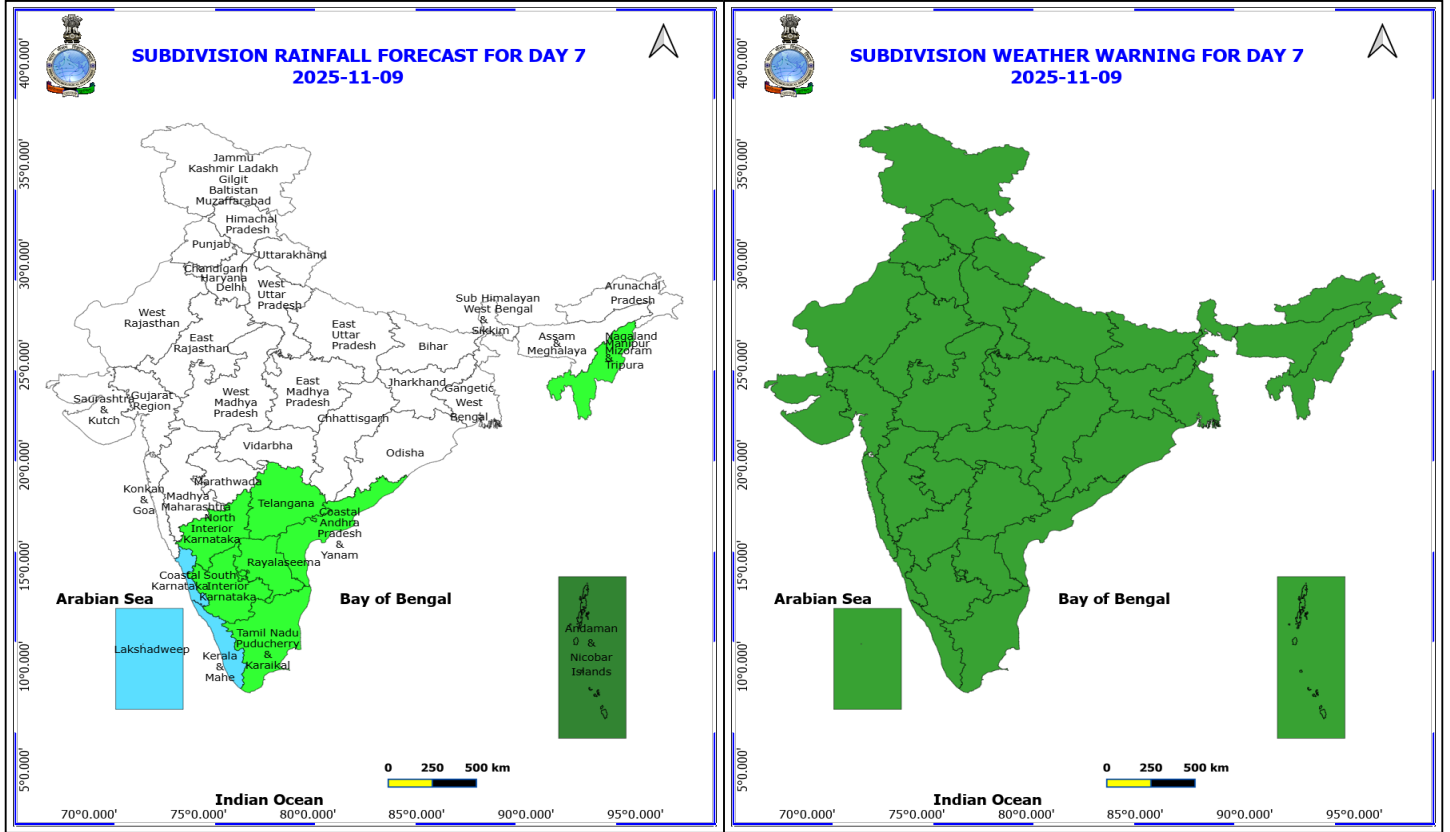
No Fishermen Warning

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9 November (Day 7)

No Warning

No Fishermen Warning

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## Table-1

### 7 Days Rainfall Forecast

| S.No. | Subdivision                  | 3- Nov | 4- Nov | 5- Nov | 6- Nov | 7- Nov | 8- Nov | 9- Nov |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|       |                              | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  | Day 7  |
| 1     | ANDAMAN & NICOBAR ISLANDS    | FWS    | FWS    | FWS    | FWS    | FWS    | SCT    | SCT    |
| 2     | ARUNACHAL PRADESH            | SCT    | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    |
| 3     | ASSAM & MEHGHALAYA           | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    |
| 4     | N. M. M. & T.                | SCT    | SCT    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   |
| 5     | S.H. WEST BENGAL & SIKKIM    | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    |
| 6     | GANGETIC WEST BENGAL         | DRY    | DRY    | ISOL   | ISOL   | DRY    | DRY    | DRY    |
| 7     | ODISHA                       | ISOL   | DRY    | DRY    | DRY    | 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    | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    |
| 13    | HARYANA, CHD & DELHI         | DRY    | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    |
| 14    | PUNJAB                       | DRY    | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    |
| 15    | HIMACHAL PRADESH             | DRY    | SCT    | SCT    | DRY    | DRY    | DRY    | DRY    |
| 16    | JAMMU AND KASHMIR AND LADAKH | DRY    | FWS    | SCT    | DRY    | DRY    | DRY    | DRY    |
| 17    | WEST RAJASTHAN               | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    | DRY    |
| 18    | EAST RAJASTHAN               | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    |
| 19    | WEST MADHYA PRADESH          | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    |
| 20    | EAST MADHYA PRADESH          | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    |
| 21    | GUJRAT REGION                | SCT    | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    |
| 22    | SAURASHTRA & KUTCH           | SCT    | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    |
| 23    | KONKAN & GOA                 | SCT    | ISOL   | SCT    | SCT    | ISOL   | ISOL   | DRY    |
| 24    | MADHYA MAHARASHTRA           | ISOL   | ISOL   | ISOL   | SCT    | ISOL   | ISOL   | DRY    |
| 25    | MARATHWADA                   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | DRY    |
| 26    | VIDARBHA                     | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    |
| 27    | CHATTISGARH                  | ISOL   | ISOL   | DRY    | DRY    | DRY    | DRY    | DRY    |
| 28    | COASTAL ANDHRA PRADESH       | ISOL   | ISOL   | SCT    | SCT    | ISOL   | ISOL   | ISOL   |
| 29    | TELANGANA                    | ISOL   | SCT    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   |
| 30    | RAYALASEEMA                  | ISOL   | SCT    | FWS    | FWS    | SCT    | ISOL   | ISOL   |
| 31    | TAMILNADU & PUDUCHERRY       | ISOL   | SCT    | SCT    | SCT    | SCT    | ISOL   | ISOL   |
| 32    | COSTAL KARNATAKA             | ISOL   | ISOL   | SCT    | FWS    | FWS    | FWS    | FWS    |
| 33    | NORTH INTERIOR KARNATAKA     | ISOL   | SCT    | SCT    | FWS    | SCT    | ISOL   | ISOL   |
| 34    | SOUTH INTERIOR KARNATAKA     | ISOL   | ISOL   | SCT    | FWS    | SCT    | ISOL   | ISOL   |
| 35    | KERALA                       | ISOL   | ISOL   | SCT    | FWS    | FWS    | FWS    | FWS    |
| 36    | LAKSHDWEAP                   | DRY    | 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 2025-11-02

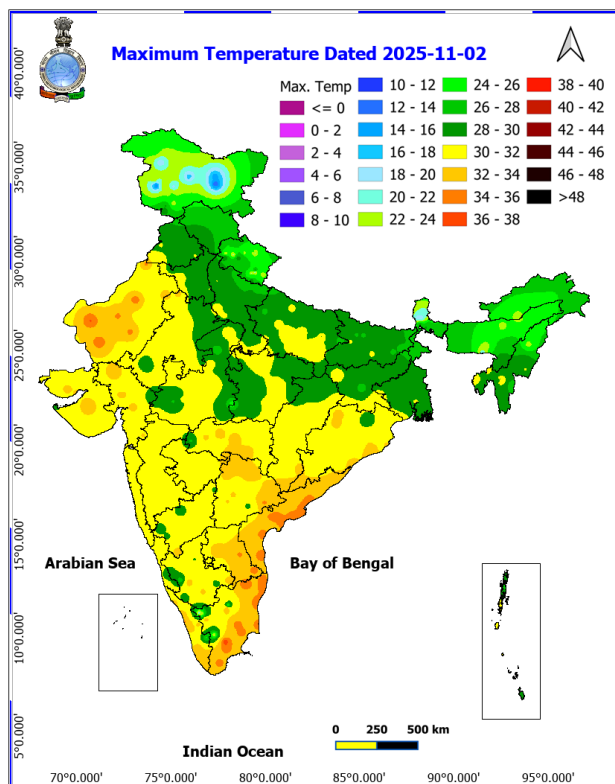


Fig. 2: Departure of Maximum Temp. Dated 2025-11-02

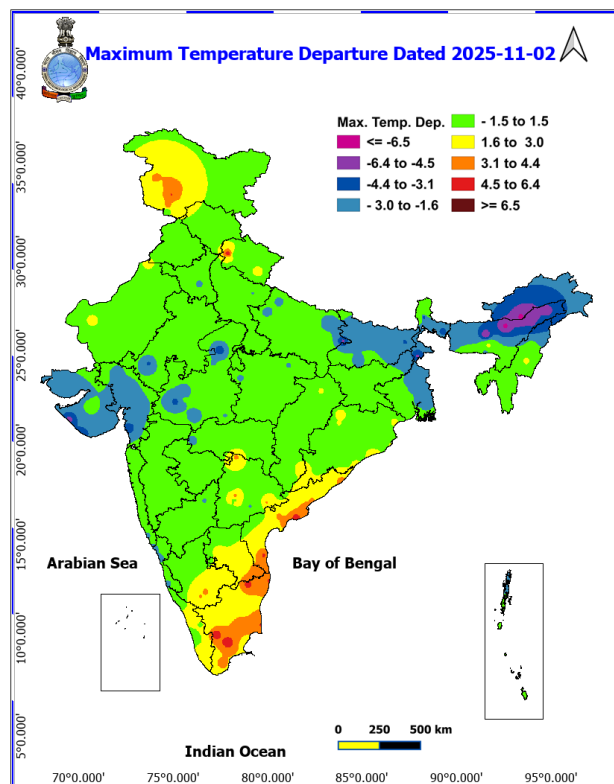


Fig. 3: Minimum Temperatures Dated 2025-11-03

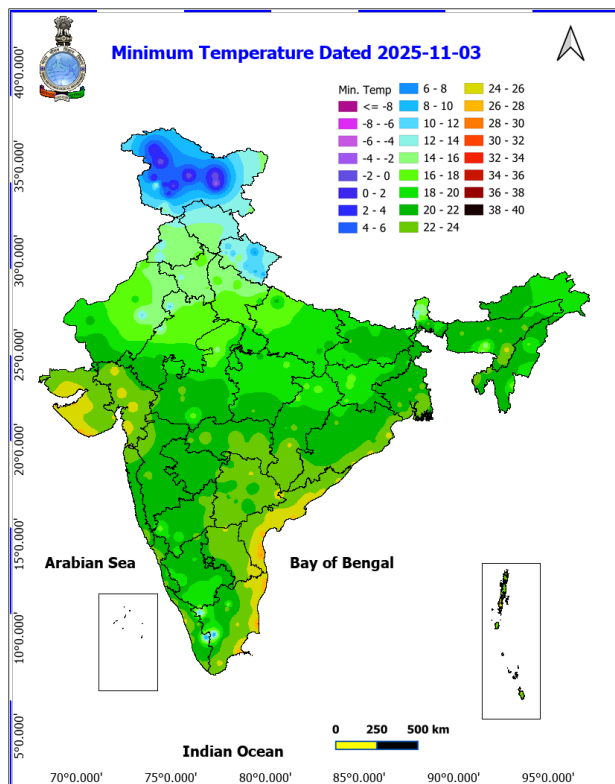
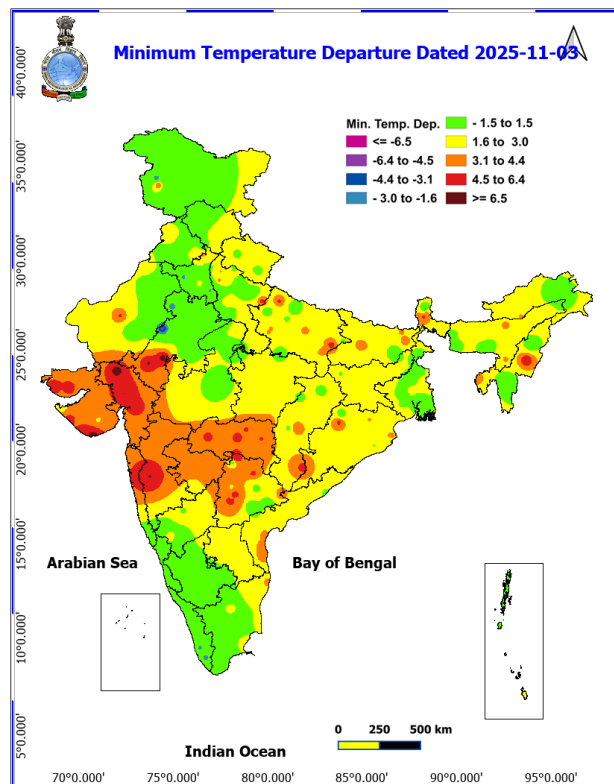
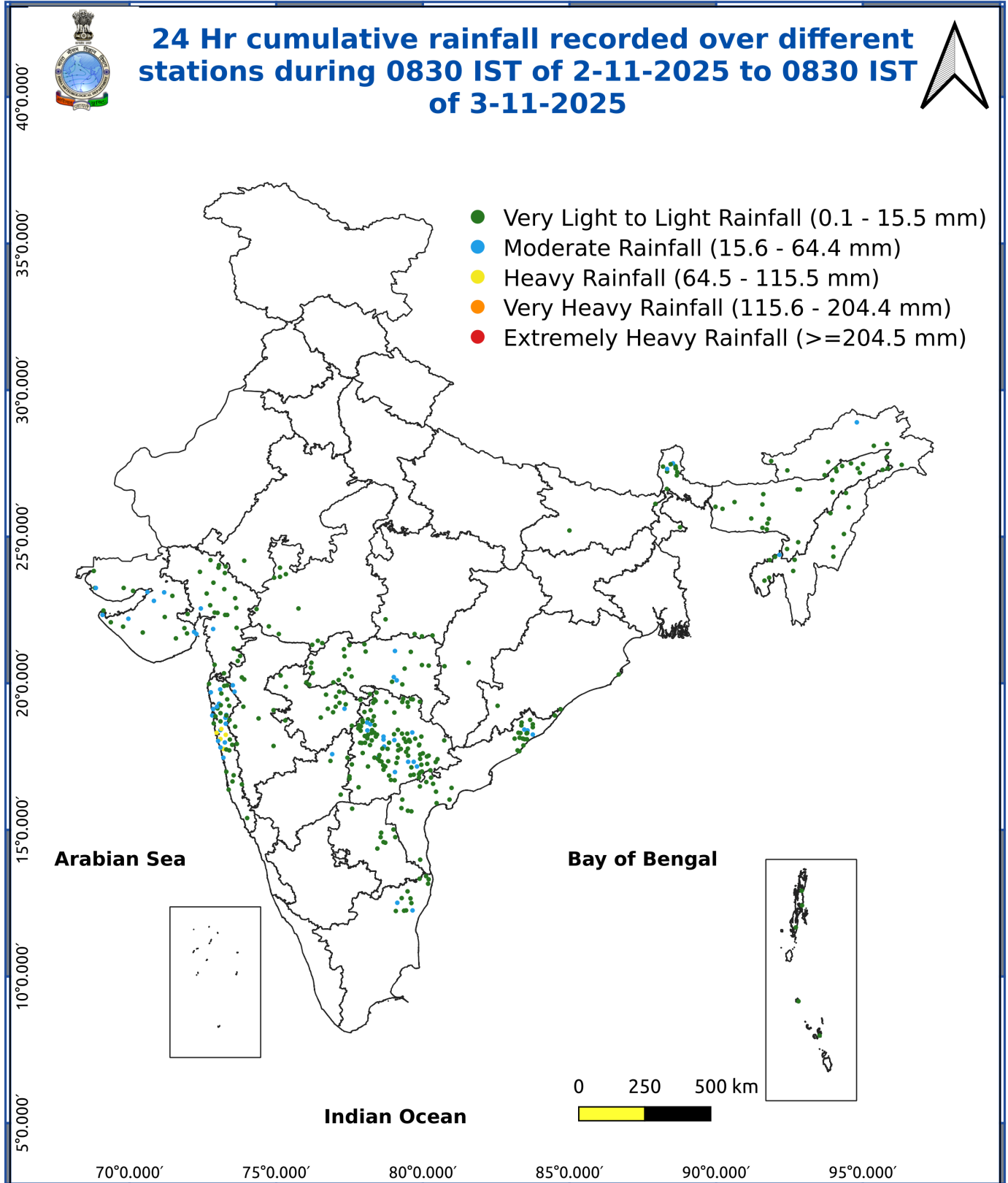


Fig. 4: Departure of Minimum Temp. Dated 2025-11-03





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**Agromet advisories for various parts of the country**

**Agromet advisories for likely impact of Heavy Rainfall**

- In **Konkan**, keep the harvested produce of rice and finger millet in safer places. Make arrangements to drain out excess water from rice, finger millet, groundnut and turmeric fields.

**Livestock / Fishery**

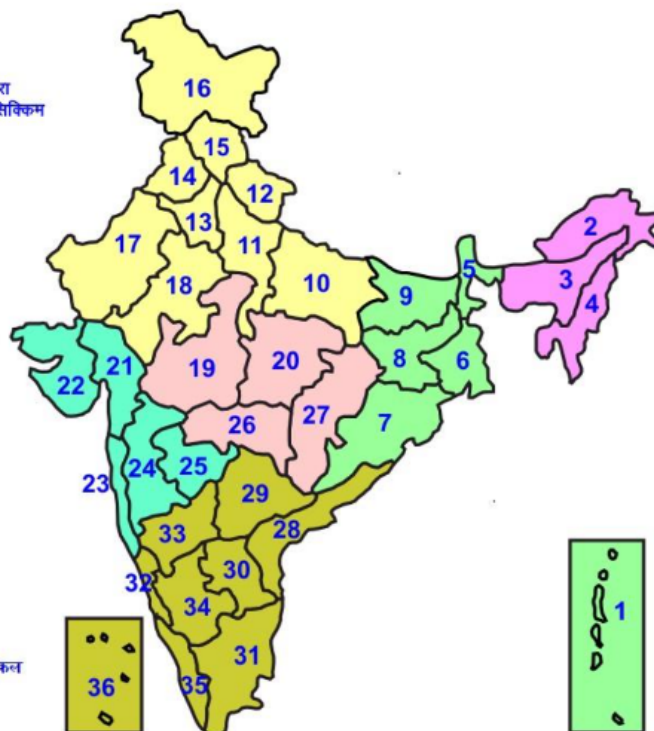
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

**Agromet advisories for likely impact of Thunderstorm / Gusty 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.

## 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
-  Hot & Humid

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## LEGENDS

### WARNING

|                               |
|-------------------------------|
| <b>WARNING (TAKE ACTION)</b>  |
| <b>ALERT (BE PREPARED)</b>    |
| <b>WATCH (BE UPDATED)</b>     |
| <b>NO WARNING (NO ACTION)</b> |

### 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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)

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

Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

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