



2026-10-13

Time of Issue: 08:01:00 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 16th October; Himachal Pradesh on 13th October and during 16th-17th October; Uttarakhand during 13th-18th October.
- **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 13th October; West Rajasthan and West Uttar Pradesh during 13th-15th October; East Uttar Pradesh during 15th-16th October; East Rajasthan during 13th-16th October.
- **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 13th-15th October; Himachal Pradesh during 14th-15th October.
- **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 14th-15th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 13th October; Uttarakhand on 15th October.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 13th-15th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Rajasthan during 13th-15th October.
- **Isolated thunderstorm & lightning** likely over Himachal Pradesh during 13th-15th October.
- **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 14th October.
- **Isolated Hailstorm** activity likely over Haryana Chandigarh & Delhi and Punjab during 14th-15th October.

Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 15th-16th October; East Madhya Pradesh during 16th-18th October; Vidarbha during 17th-18th October; Chhattisgarh during 13th-18th October.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands on 13th October.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands and Gangetic West Bengal during 14th-18th October; Sub-Himalayan West Bengal & Sikkim during 16th-18th October; Bihar during 16th-18th October; Odisha during 13th-18th October.

Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 14th-17th October; Assam & Meghalaya during 13th-18th October; Nagaland, Manipur, Mizoram & Tripura during 13th-16th October.
- **Isolated thunderstorm & lightning** likely over Nagaland, Manipur, Mizoram & Tripura during 13th-14th October.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 13th-18th October; Kerala & Mahe during 13th-14th October; Coastal Andhra Pradesh & Yanam and Lakshadweep during 13th-15th October; Coastal Karnataka and North Interior Karna3aka during 15th-16th October; South Interior Karnataka during 13th-15th October; Rayalaseema during 12th-14th October and during 17th-18th October; Telangana during 15th-18th October.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 15th-18th October; Coastal Andhra Pradesh & Yanam, Lakshadweep and South Interior Karnataka during 16th-18th October; Coastal

\*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

(Service to the nation since 1875)



Karnataka and North Interior Karnataka during 17th-18th October; Rayalaseema during 15th-16th October.

- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Rayalaseema during 15th-16th October; North Interior Karnataka during 16th-18th October; South Interior Karnataka during 15th-18th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 13th-14th October; Telangana during 15th-18th October.
- Isolated **thunderstorm & lightning** likely over Tamil Nadu, Puducherry & Karaikal during 13th-16th October; Kerala & Mahe during 13th-14th October; Coastal Karnataka during 16th-18th October; North Interior Karnataka on 15th October; South Interior Karnataka on 14th October.
- Isolated **heavy rainfall** likely over Kerala & Mahe, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 15th-18th October; Coastal Karnataka during 17th-18th October; North Interior Karnataka during 16th-18th October; Coastal Andhra Pradesh & Yanam during 14th-17th October; Rayalaseema during 14th-16th October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 13th-16th October.

**Heat Wave, Hot & Humid weather and Warm Night conditions warning:**

- **Hot and humid** weather conditions likely to prevail over Konkan & Goa on 13th 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 Tamilnadu Puducherry & Karaikal, Odisha, Jammu & Kashmir and Ladakh and Kerala & Mahe; **Dry** over rest of the country.

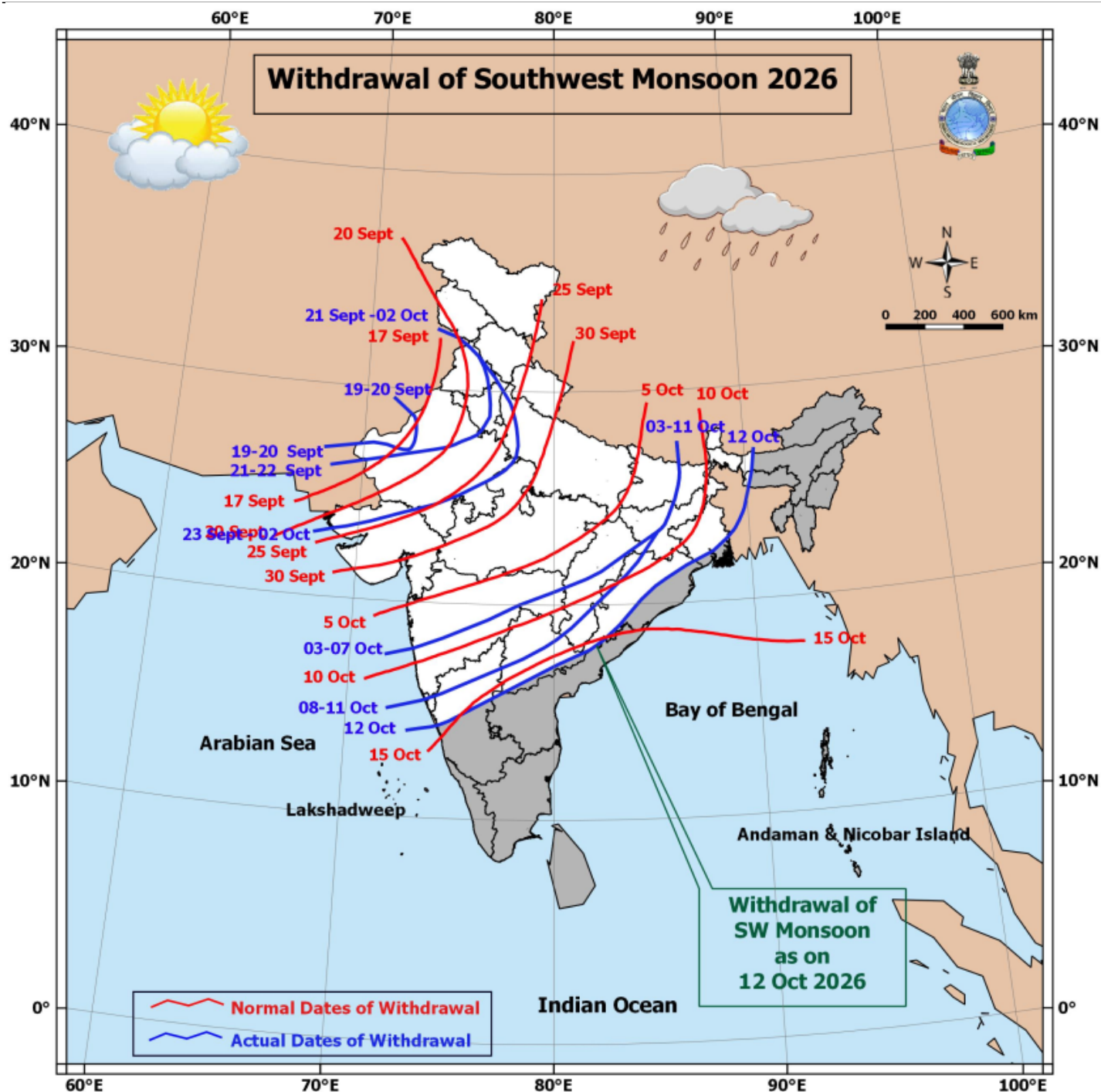
❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Tamilnadu Puducherry & Karaikal**: Pamban (dist Ramanathapuram) 2; **Kerala & Mahe**: Thiruvananthapuram-city (dist Thiruvananthapuram) 2.

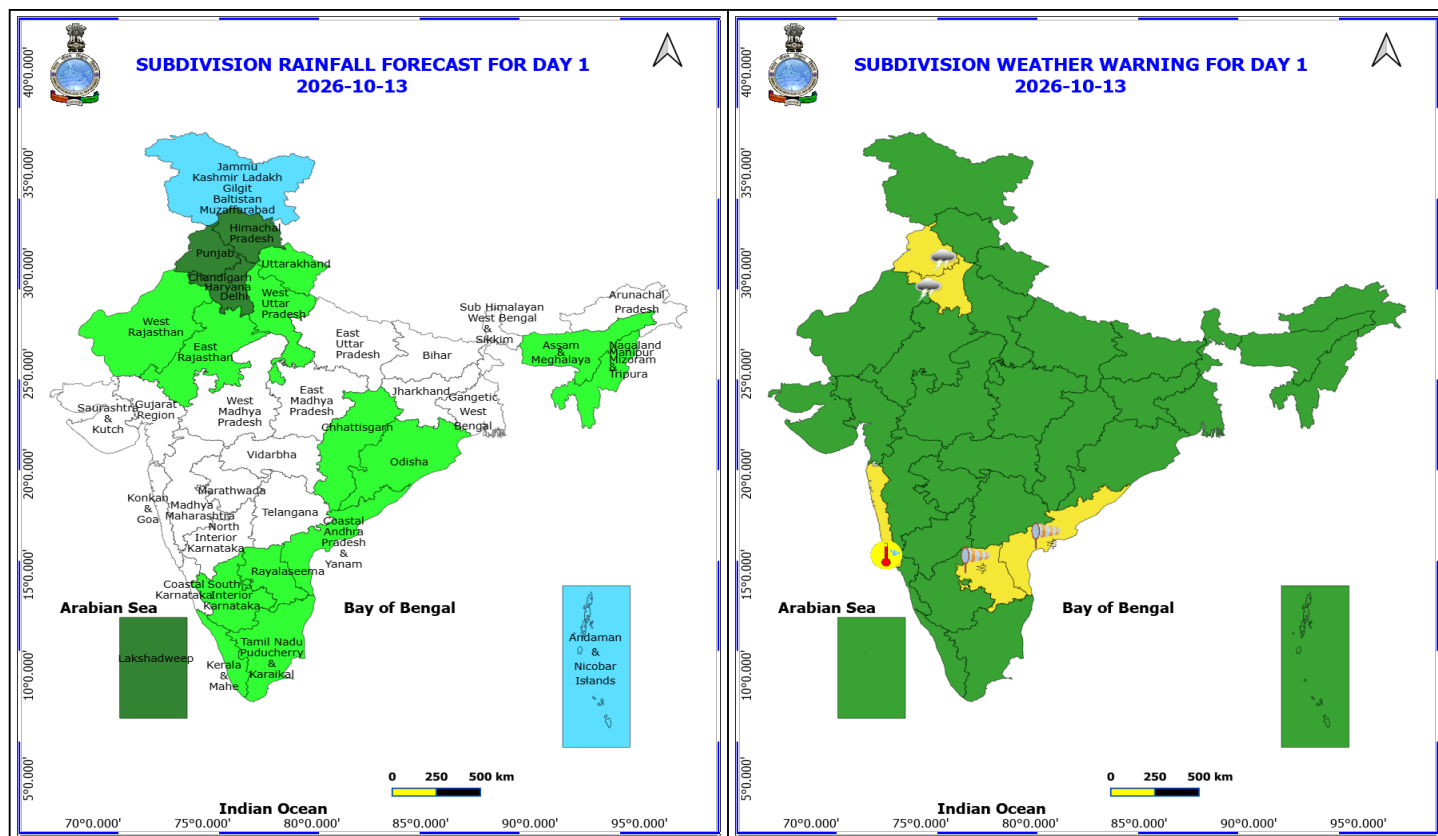
❖ **Minimum Temperature Departures (as on 12-10-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Konkan & Goa and Madhya Maharashtra. **above normal(1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands and Coastal Karnataka; at few places over West Rajasthan and Konkan & Goa; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, West Uttar Pradesh, Uttarakhand, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and South Interior Karnataka; at most places over Arunachal Pradesh, Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Uttar Pradesh, Gujarat Region, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Lakshadweep; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Haryana-Chandigarh-Delhi, Himachal Pradesh, East Rajasthan, West Madhya Pradesh and Coastal Karnataka. **The lowest minimum temperature** of 15.0°C was reported at KARNAL (HARYANA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 12-10-2026): markedly above normal(> 5.1°C)** at many places over Coastal Karnataka; at few places over Konkan & Goa; at isolated places over Assam & Meghalaya, Madhya Maharashtra, Vidarbha and Telangana. **appreciably above normal(3.1°C to 5.0°C)** at many places over North Interior Karnataka; at most places over Arunachal Pradesh and Marathwada; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Bihar, West Madhya Pradesh, Gujarat Region and South Interior Karnataka; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Coastal Andhra Pradesh & Yanam. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, Uttarakhand, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan; at few places over East Uttar Pradesh; at isolated places over West Uttar Pradesh and Haryana-Chandigarh-Delhi. **The highest maximum temperature** of 39.8°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 27.0°N/90.5°E, Dhubri, Kolkata, Angul, Khammam, Honavar and 14.0°N/73.0°E.
- Conditions are becoming favourable for further withdrawal of Southwest Monsoon from remaining parts of the country and simultaneous commencement of northeast monsoon rains over south peninsula during next 2-3 days.
- The **Western Disturbance** as a **cyclonic circulation** over northwest Uttar Pradesh between 3.1 to 4.8 km above mean sea level with a trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level now runs roughly along Long. 82°E to the north of Lat. 24°N tilting northwestwards with height.
- The **trough** from northwest Bay of Bengal to East Uttar Pradesh across north Odisha, Jharkhand and southwest Bihar at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood at 4.5 km above mean sea level persists.
- 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 south Andaman Sea & neighbourhood extending upto 5.8 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, 2026.
- The **upper air cyclonic circulation** over south Bangladesh adjoining Gangetic West Bengal at 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** north Rajasthan and neighbourhood at 1.5 km above mean sea level has become less marked.

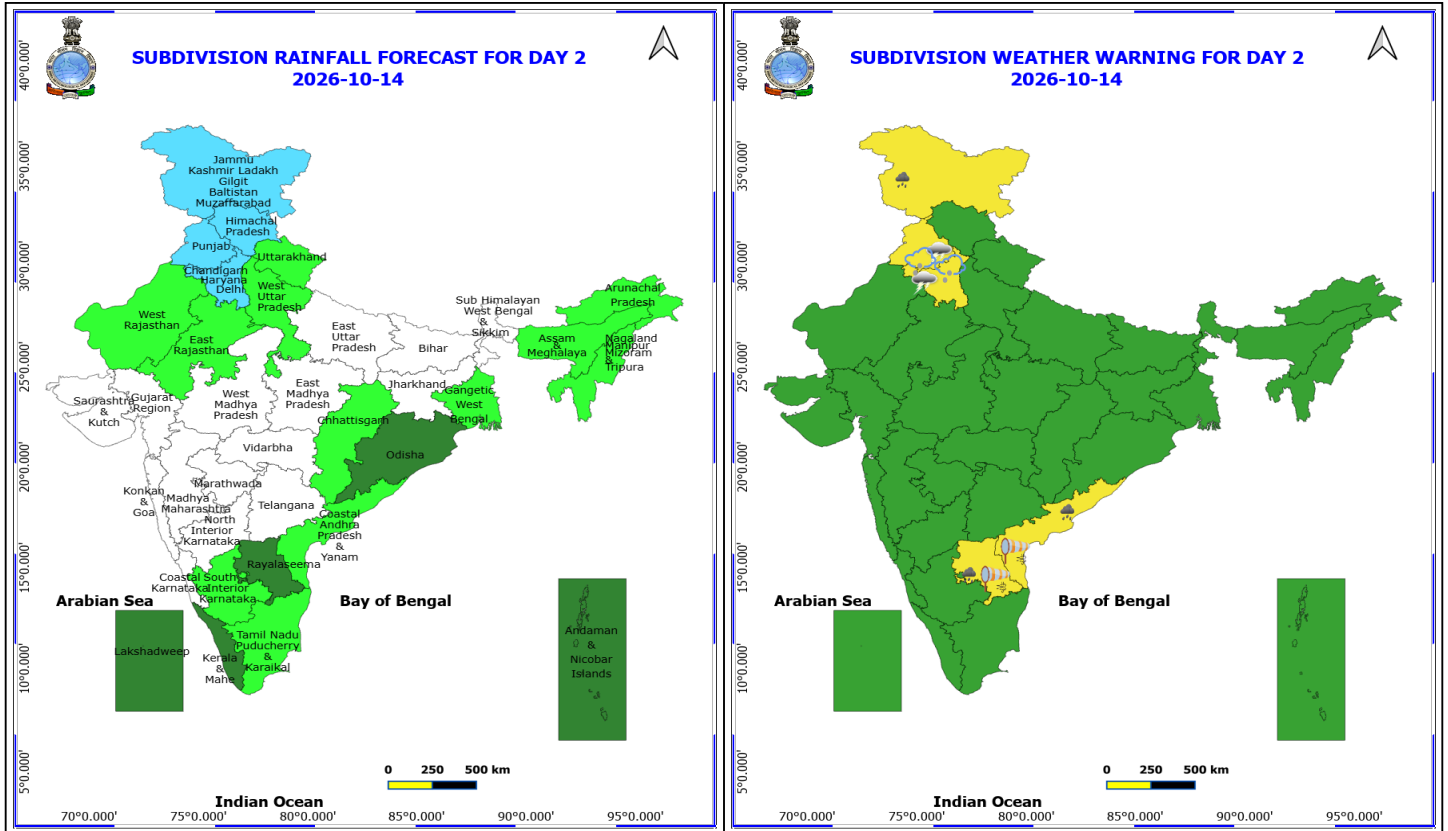




### 13 October (Day 1)

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

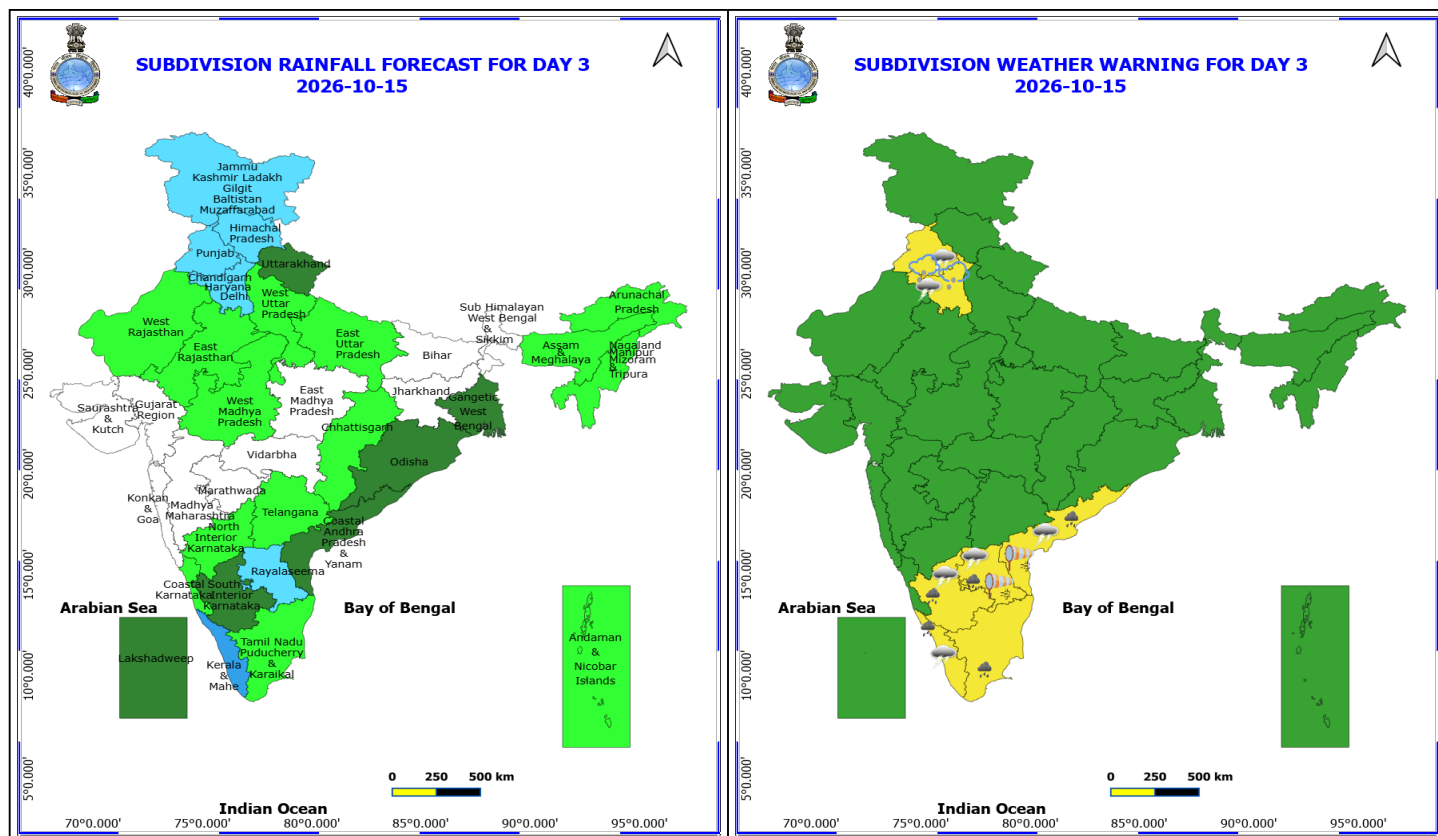
**No Fishermen Warning**



#### 14 October (Day 2)

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

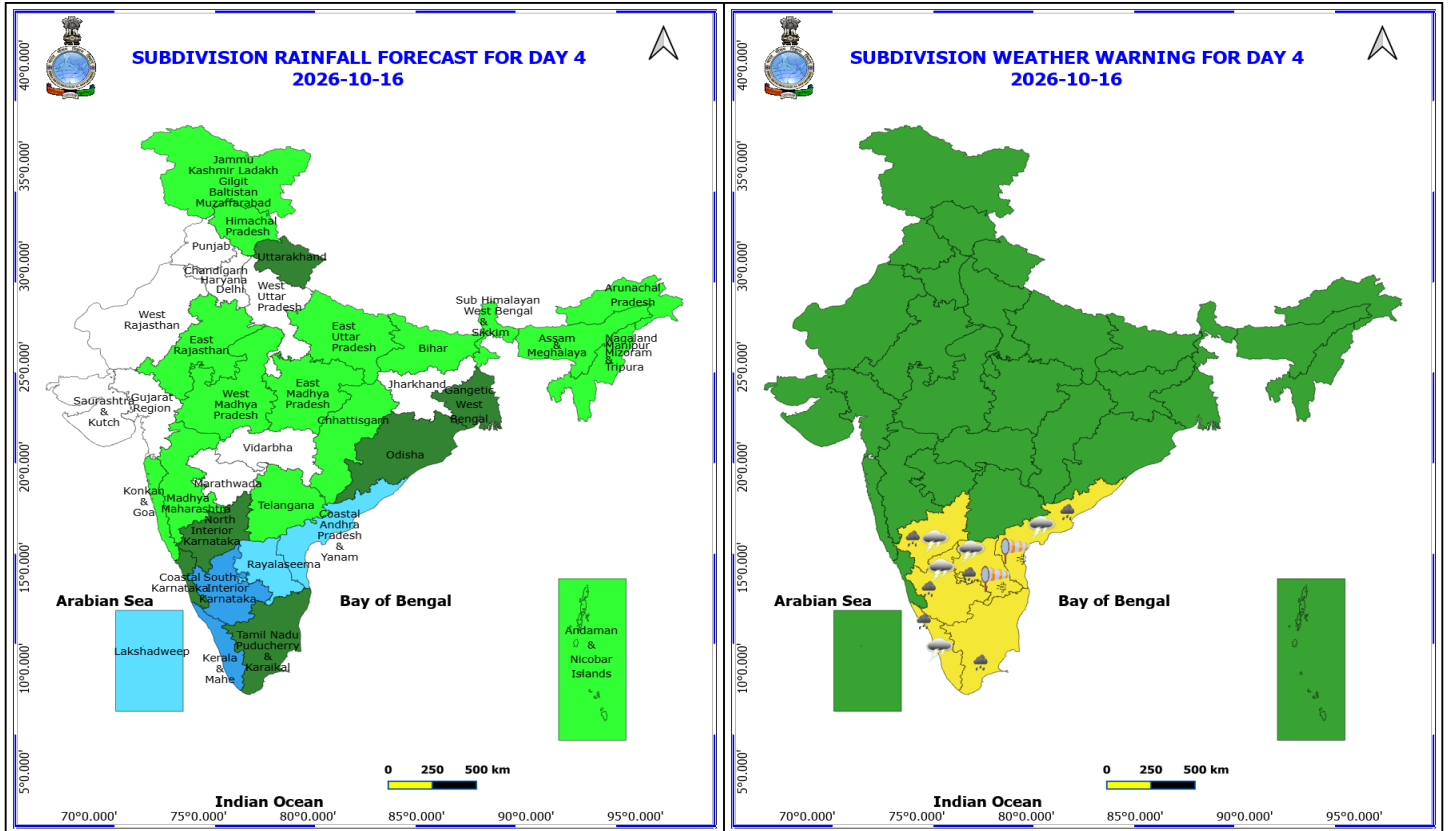
**No Fishermen Warning**



### 15 October (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Haryana, Chandigarh & Delhi, Kerala & Mahe, Punjab and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Rajasthan, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Himachal Pradesh, North Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

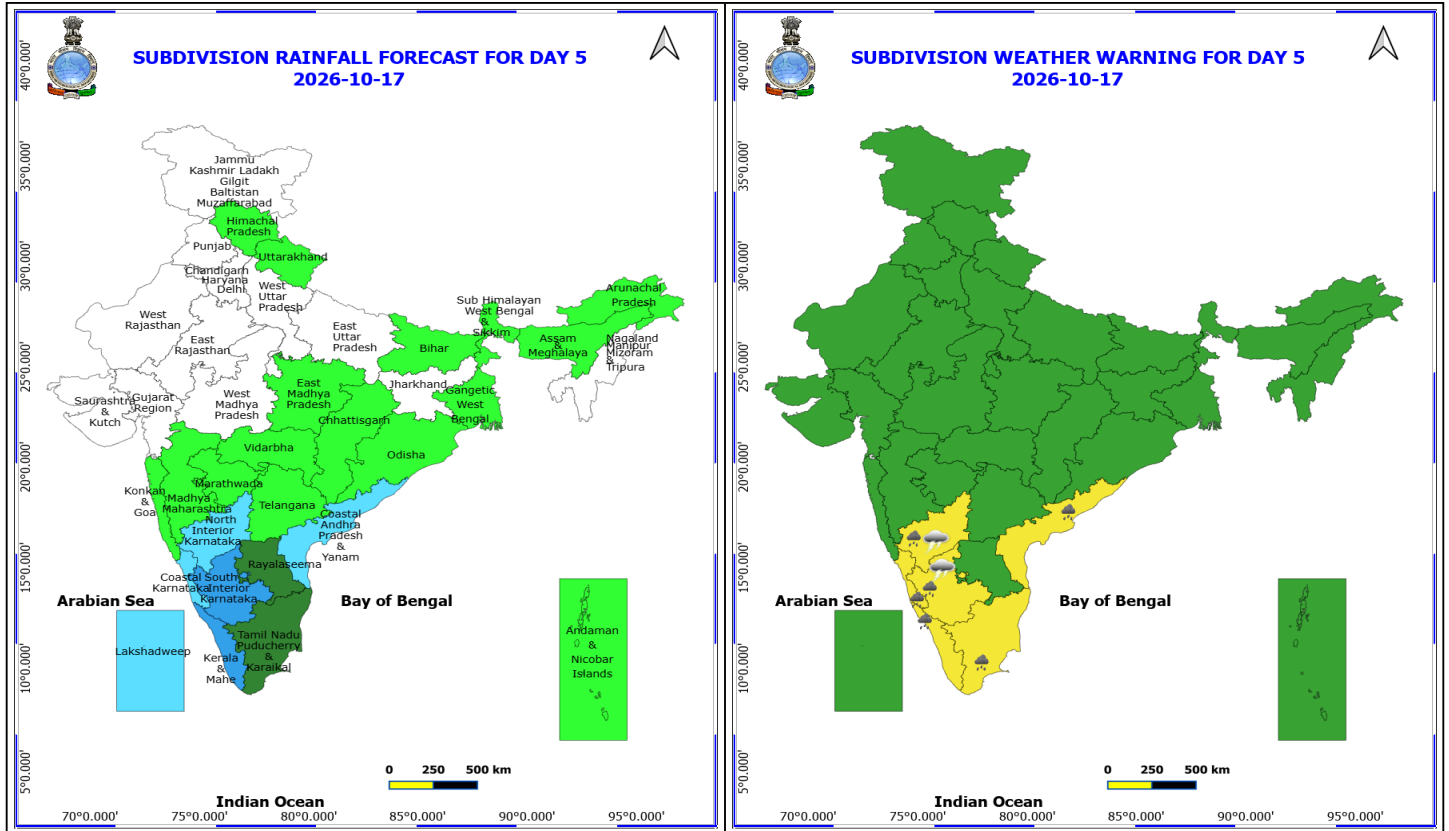
**No Fishermen Warning**



## 16 October (Day 4)

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

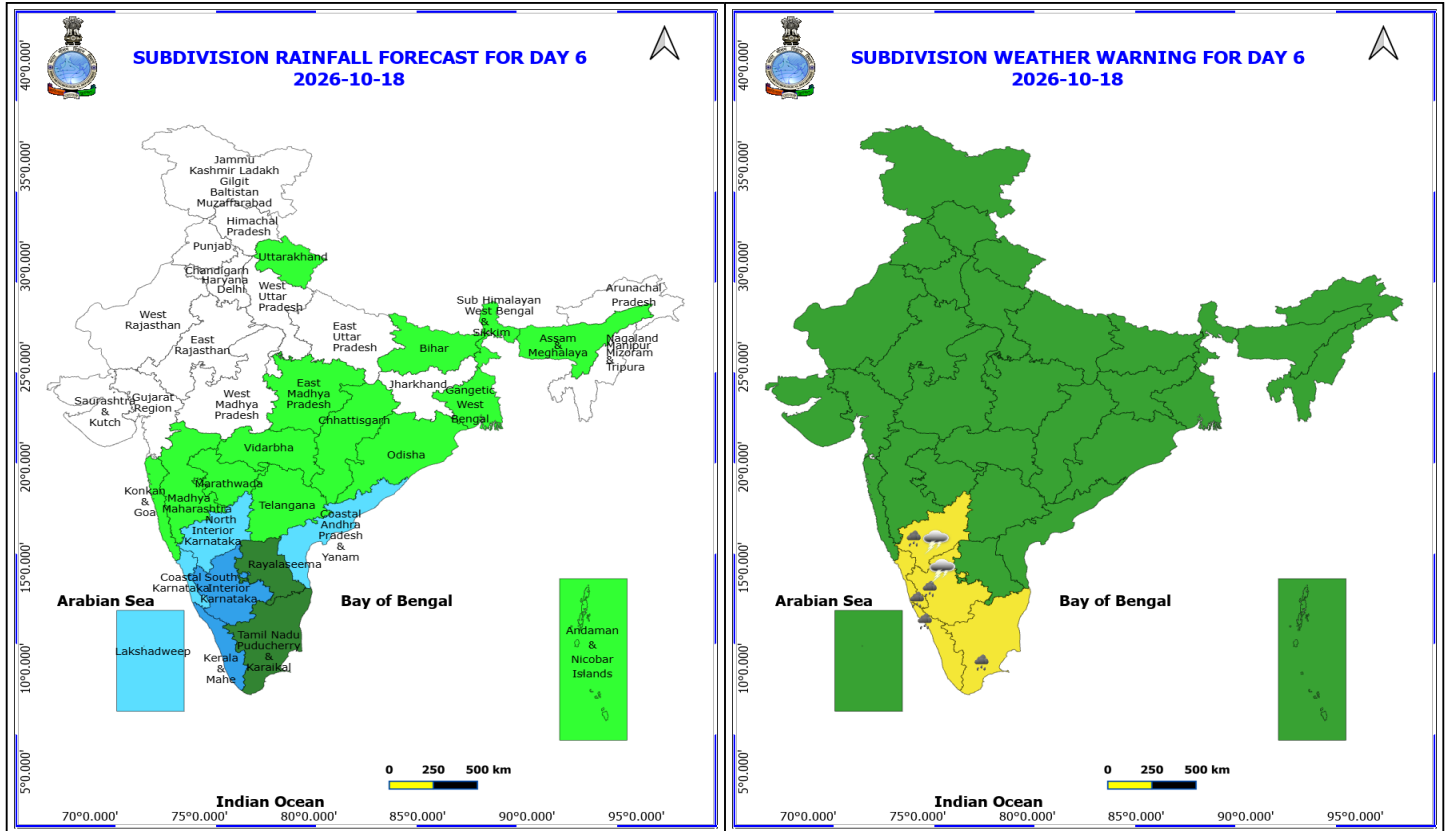
**No Fishermen Warning**



### 17 October (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Coastal Andhra Pradesh, Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka.

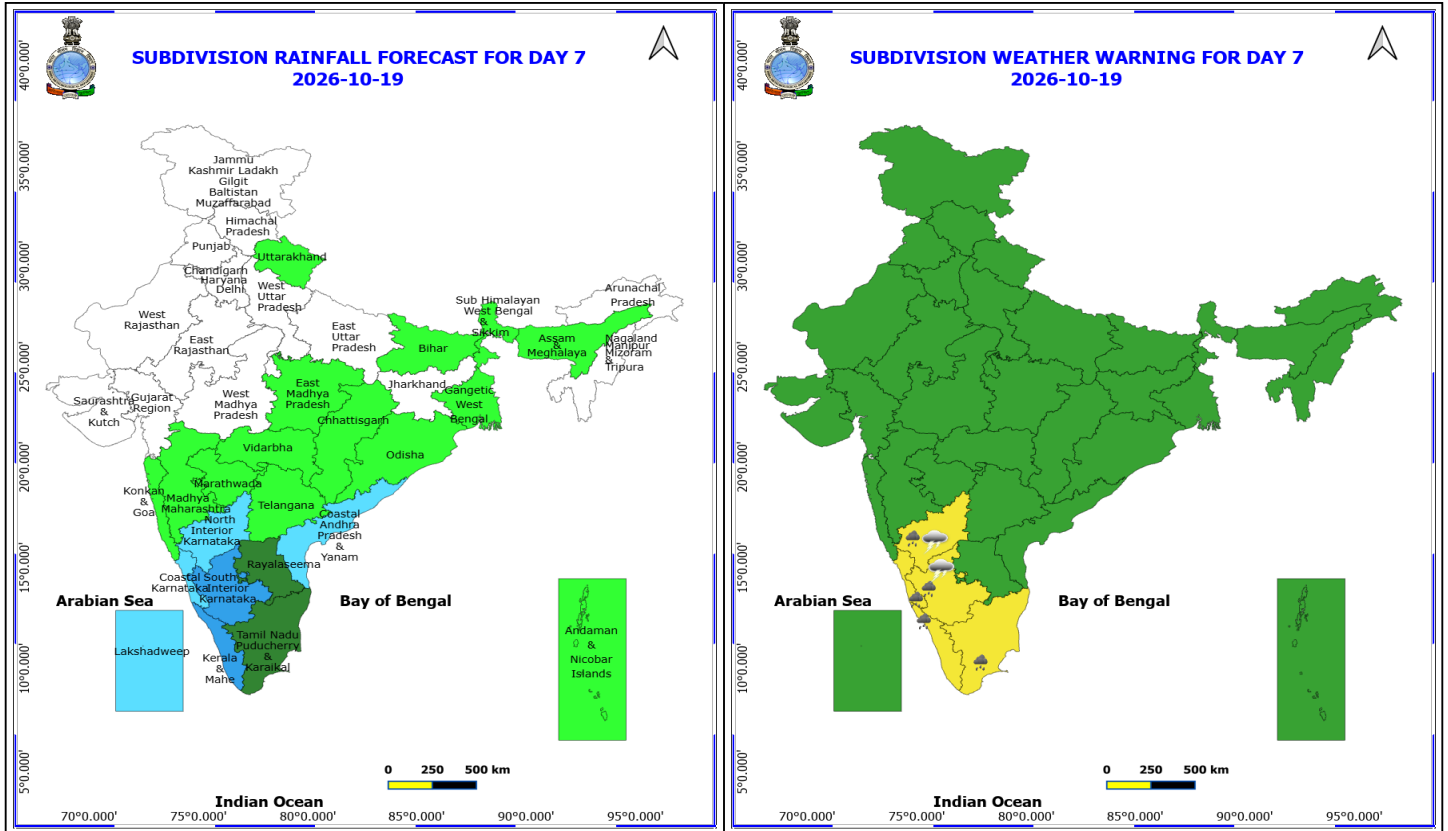
**No Fishermen Warning**



## 18 October (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka.

**No Fishermen Warning**



### 19 October (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

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

\*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

(Service to the nation since 1875)

Fig. 1: Maximum Temperatures Dated 2026-10-12

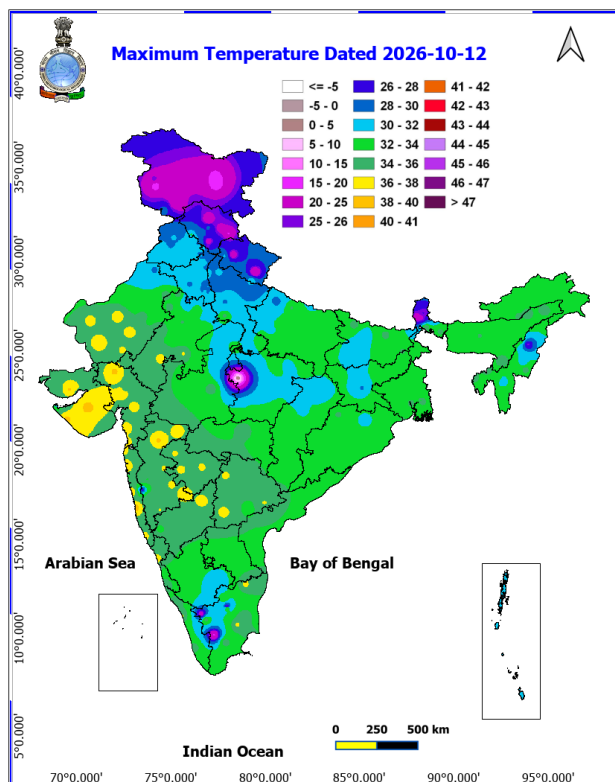


Fig. 2: Departure of Maximum Temp. Dated 2026-10-12

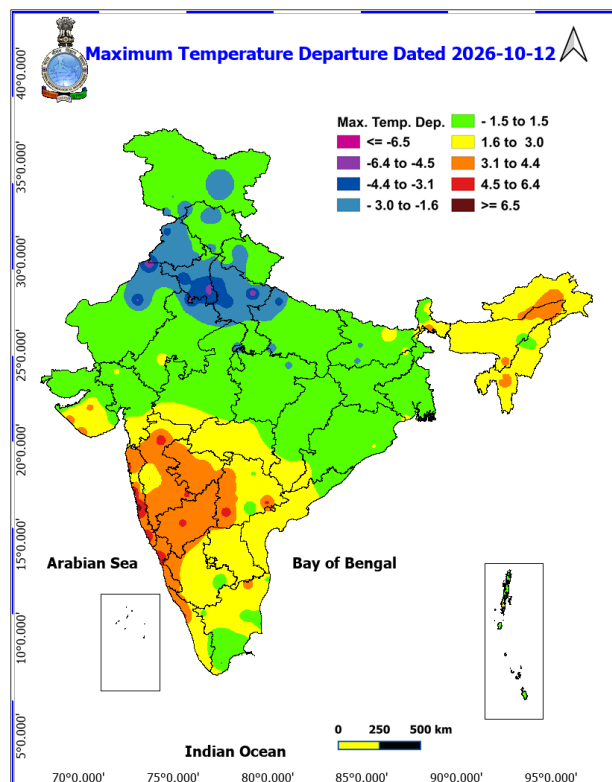


Fig. 3: Minimum Temperatures Dated 2026-10-12

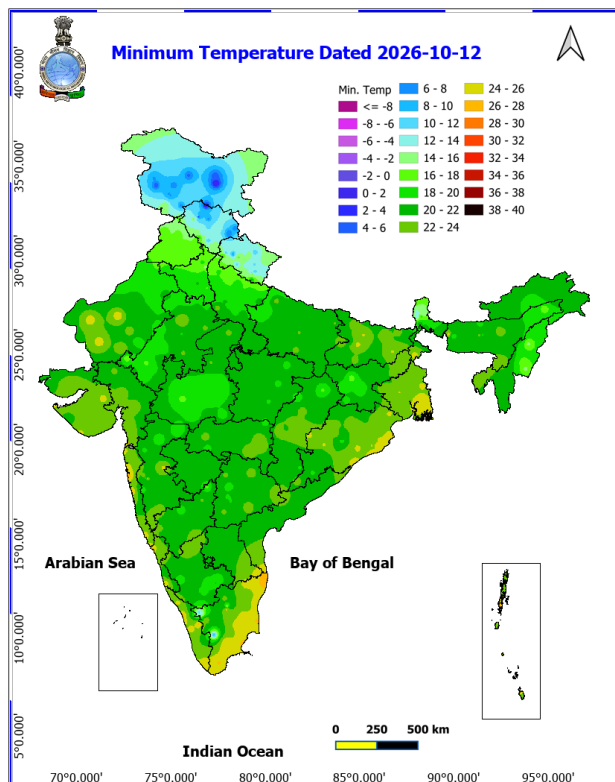
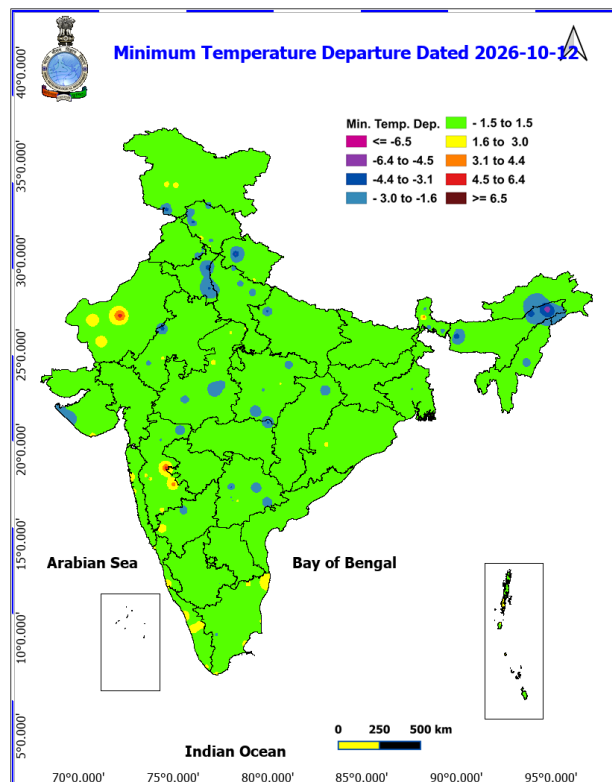
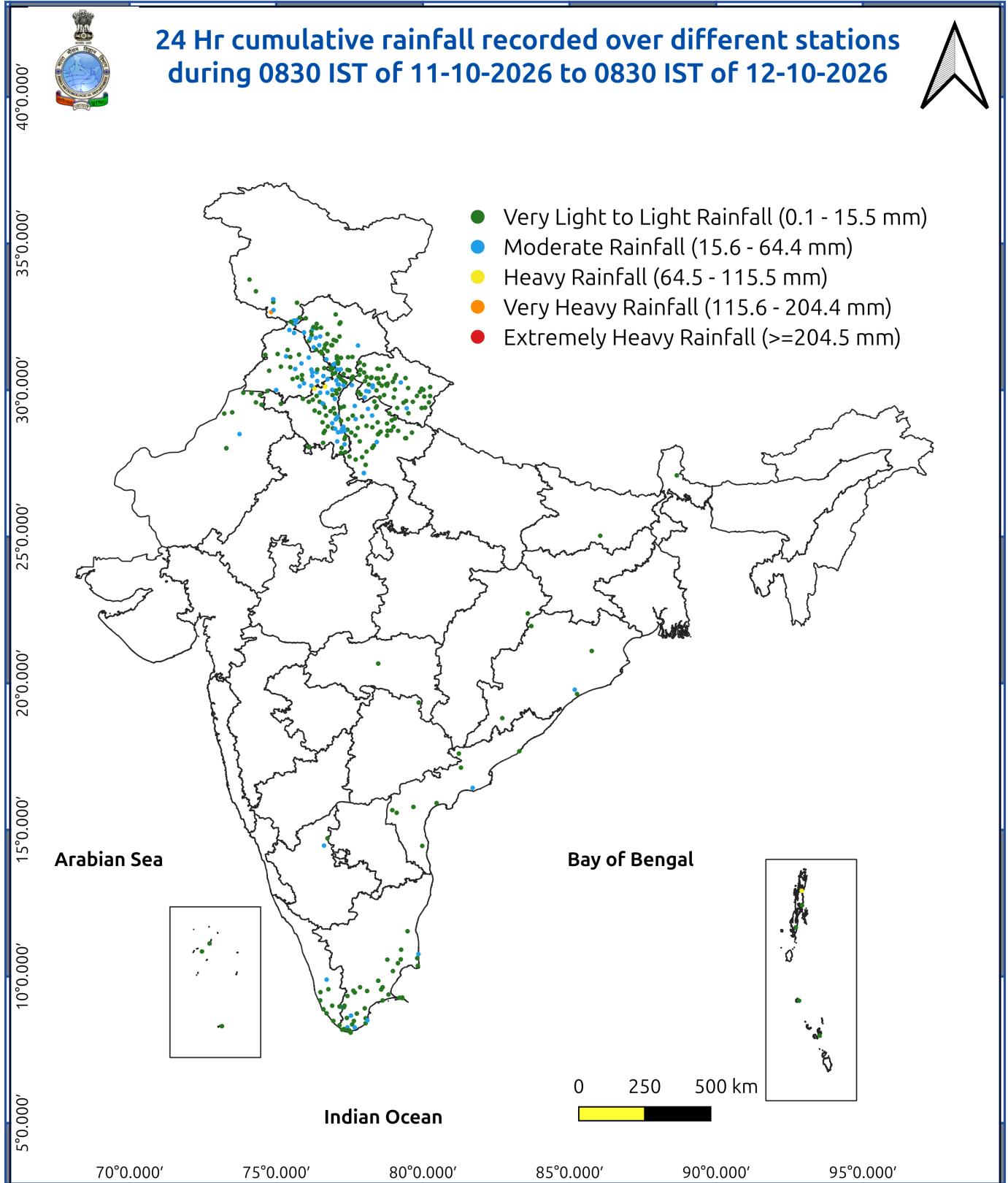


Fig. 4: Departure of Minimum Temp. Dated 2026-10-12





**\*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

(Service to the nation since 1875)

## Impact and Actions

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

- **Isolated heavy rainfall** is likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 14th October, Kerala & Mahe, South Interior Karnataka, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, during 15<sup>th</sup>-18<sup>th</sup> October; North Interior Karnataka on 17<sup>th</sup> & 18<sup>th</sup>; Rayalaseema on 15<sup>th</sup> & 16<sup>th</sup> 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

- Isolated **Hailstorm** activity likely over Haryana Chandigarh & Delhi and Punjab on 14<sup>th</sup> & 15<sup>th</sup> October.

### Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

### Action suggested:

**\*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

(Service to the nation since 1875)

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

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

##### 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

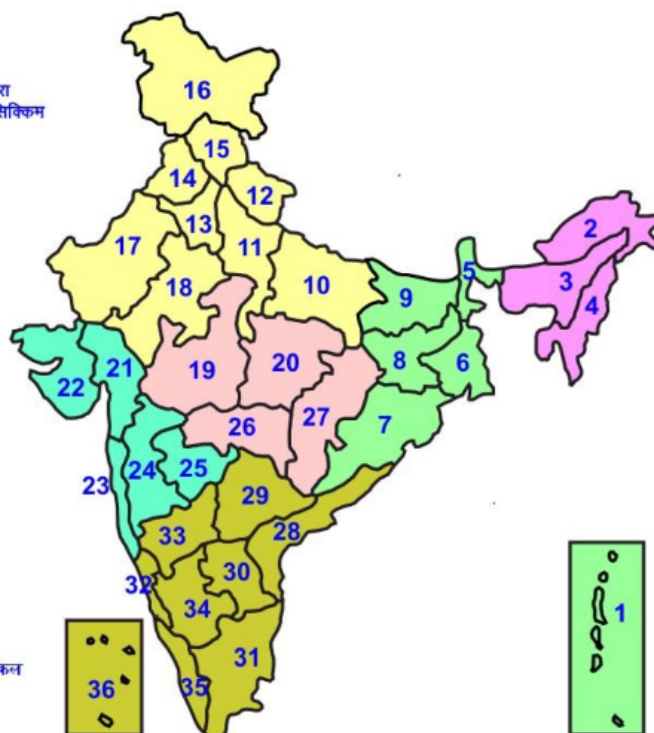
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

#### Legends & abbreviations:

- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **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.
- **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. 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

\*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

(Service to the nation since 1875)

## 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 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)

\*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

(Service to the nation since 1875)