

2026-09-27

Time of Issue: 16:43:00 hours IST  
(Evening)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Systems and Warnings:

##### Northwest India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Himachal Pradesh on 27th September; Uttarakhand during 27th-28th September.
- **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.
- Isolated **heavy rainfall** likely over East Uttar Pradesh, Himachal Pradesh and West Uttar Pradesh on 27th September; Uttarakhand on 28th September with isolated **very heavy rainfall** also likely over Uttarakhand on 27th September.

##### Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 27th-30th September; East Madhya Pradesh during 27th September-1st October; Vidarbha during 27th September-2nd October; Chhattisgarh during 27th September-3rd October.
- Isolated **thunderstorm & lightning** likely over West Madhya Pradesh during 28th-30th September; East Madhya Pradesh during 27th September-1st October; Chhattisgarh on 28th September.

##### East India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands during 27th-29th September.
- **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands during 30th September-3rd October; Gangetic West Bengal, Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 27th September-3rd October; Bihar during 27th September-1st October.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 27th-28th September; Bihar on 27th September.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 27th-28th September.

##### Northeast India:

- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 27th September-3rd October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 27th-29th September and during 1st-3rd October.
- **Fairly Widespread to Widespread** rainfall likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 30th September.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Assam & Meghalaya during 28th-30th September; Nagaland, Manipur, Mizoram & Tripura during 28th September-1st October.
- Isolated **thunderstorm & lightning** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 27th September.
- Isolated **heavy rainfall** likely over Arunachal Pradesh on 30th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 29th-30th September.

##### West India:

- **Isolated to Scattered** rainfall likely over Gujarat Region, Konkan & Goa and Madhya Maharashtra during 27th September-3rd October; Marathawada during 27th-29th September; Saurashtra & Kutch during 30th

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

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September-3rd October.

- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Madhya Maharashtra on 29th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Madhya Maharashtra on 28th September and on 30th September; Marathwada on 28th September.
- Isolated **thunderstorm & lightning** likely over Konkan & Goa during 29th-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 27th September-3rd October; Kerala & Mahe during 27th-30th September; Coastal Karnataka during 27th-28th September; South Interior Karnataka and Telangana during 27th-28th September and during 2nd-3rd October.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-3rd October; Coastal Karnataka during 29th September-3rd October; South Interior Karnataka during 29th September-1st October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 27th September-1st October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 29th September-1st October; North Interior Karnataka and South Interior Karnataka during 29th-30th September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 27th September-1st October; Telangana during 27th-28th September.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 29th September-1st October; Kerala & Mahe during 30th September-3rd October; South Interior Karnataka during 28th September-1st October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 27th September-1st October.

#### Fishermen warnings:

##### Fishermen are advised not to venture

- **Arabian Sea:** Along and off Somalia coasts, few parts of southwest Arabian Sea during 27<sup>th</sup> to 29<sup>th</sup> September.
- **Bay of Bengal:** Over north Andaman Sea and south Myanmar coast till 29<sup>th</sup> September; along & off north Myanmar coast adjoining few parts of eastcentral and northeast Bay of Bengal on 28<sup>th</sup> September; along & off north Myanmar and Bangladesh coast adjoining few parts of eastcentral and many parts of northeast Bay of Bengal on 29<sup>th</sup> September.

#### Main Weather Observations:

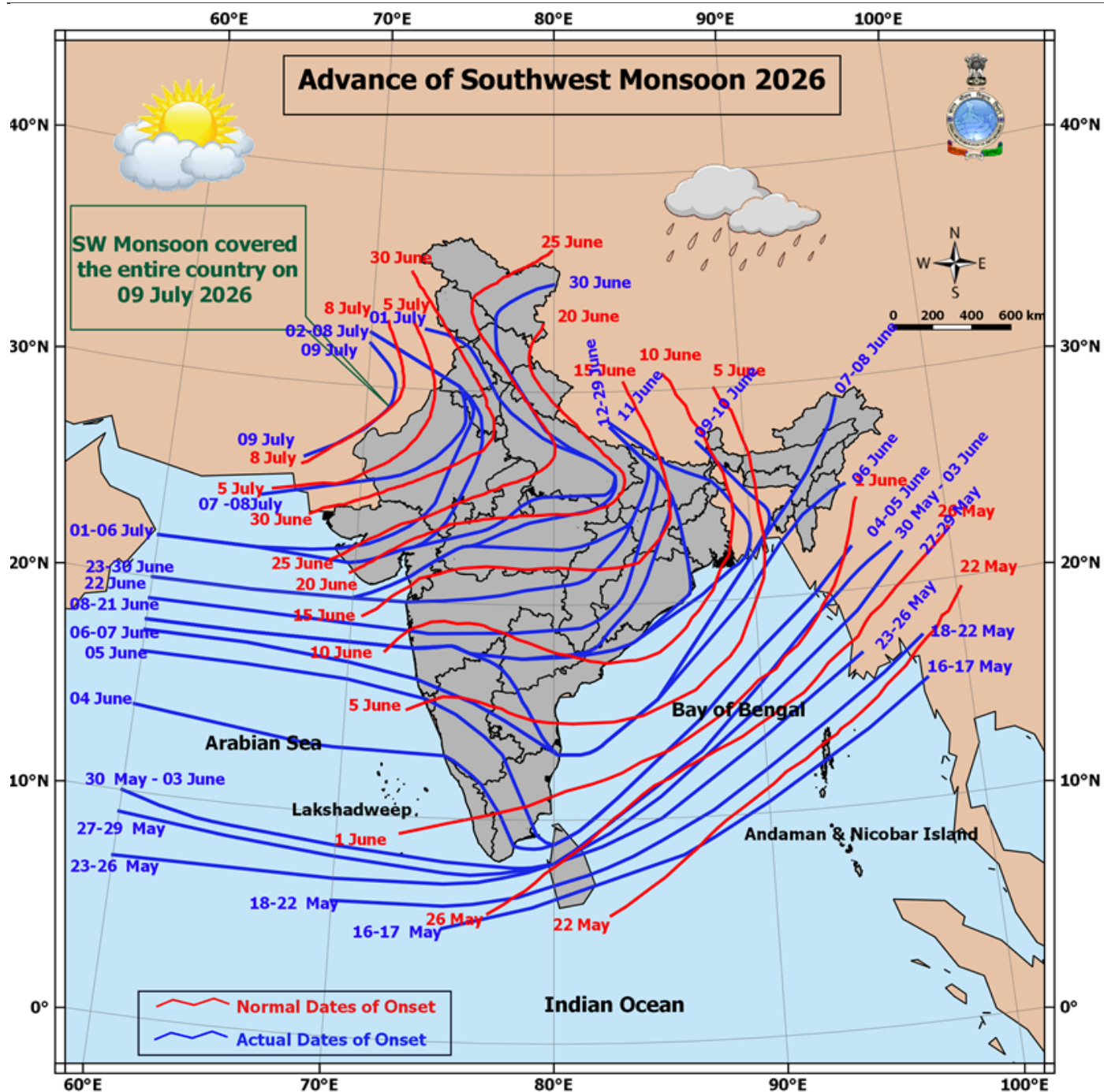
❖ **Rainfall distribution** (from 0830 hours IST of today to 1430 hours IST of today): **at most places** over Andaman & Nicobar Islands and Uttarakhand; **at many places** over Gangetic West Bengal, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh and Assam & Meghalaya; **Dry** over rest of the country.

❖ **Minimum Temperature Departures (as on 27-09-2026): markedly above normal(> 5.1°C)** at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Himachal Pradesh and East Rajasthan. **appreciably above normal(3.1°C to 5.0°C)** at few places over Andaman & Nicobar Islands; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Himachal Pradesh and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at many places over West Rajasthan; at most places over Arunachal Pradesh; at few places over Sub Himalayan West Bengal & Sikkim, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, East Uttar Pradesh, Punjab, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Rayalaseema and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Odisha, Punjab, East Rajasthan, East Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep; at most places over Gangetic West Bengal, Jharkhand, Bihar, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region, Konkan & Goa, Marathwada, Rayalaseema, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Haryana-Chandigarh-Delhi, West Rajasthan, West Madhya Pradesh and Chhattisgarh; at isolated places over West Uttar Pradesh, Uttarakhand and Himachal Pradesh. **The lowest minimum temperature** of 16.8°C was reported at DELHI-RIDGE (DELHI UT) over the Plains of India.

❖ **Maximum Temperature Departures (as on 26-09-2026): markedly above normal(> 5.1°C)** at most places over Arunachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over Assam & Meghalaya; at isolated places over Himachal Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, West Rajasthan, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Punjab; at most places over Konkan & Goa and Lakshadweep; at few places over East Rajasthan, Saurashtra & Kutch and Kerala & Mahe; at isolated places over Gangetic West Bengal, Odisha and Rayalaseema. **The highest maximum temperature** of 42.6°C was reported at BARMER (RAJASTHAN).

**Meteorological Analysis (Based on 1430 hours IST)**

- 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 **Well-Marked Low Pressure** area over northern parts of central Uttar Pradesh persisted over the same region at 1430 hrs IST of today, the 27th September 2026. The associated cyclonic circulation extends upto 5.8 km above mean sea level. It is very likely to move north-northwestwards across Uttar Pradesh and weaken gradually into a Low Pressure Area during next 12 hours.
- The **Western Disturbance** as a trough in middle & Upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 72°E to the north of Lat. 24°N persists.
- The **upper air cyclonic circulation** over northeast Assam & neighbourhood at 0.9 km above mean sea level persists.
- The **low pressure area** over south coastal Myanmar & neighbourhood persisted over the same region at 1430 hrs IST of today, the 27<sup>th</sup> September 2026. The associated cyclonic circulation extending upto 9.4 km above mean sea level. It is likely to emerge into north Andaman Sea and adjoining Irrawaddy delta of Myanmar during next 24 hours and move north-northwestwards along and off Myanmar–Bangladesh coasts towards northeast Bay of Bengal & adjoining Bangladesh during subsequent 2 days.
- The north-south **trough** from Bihar to Westcentral Bay of Bengal across Jharkhand, Odisha extending upto 3.1 km above mean sea level persists.

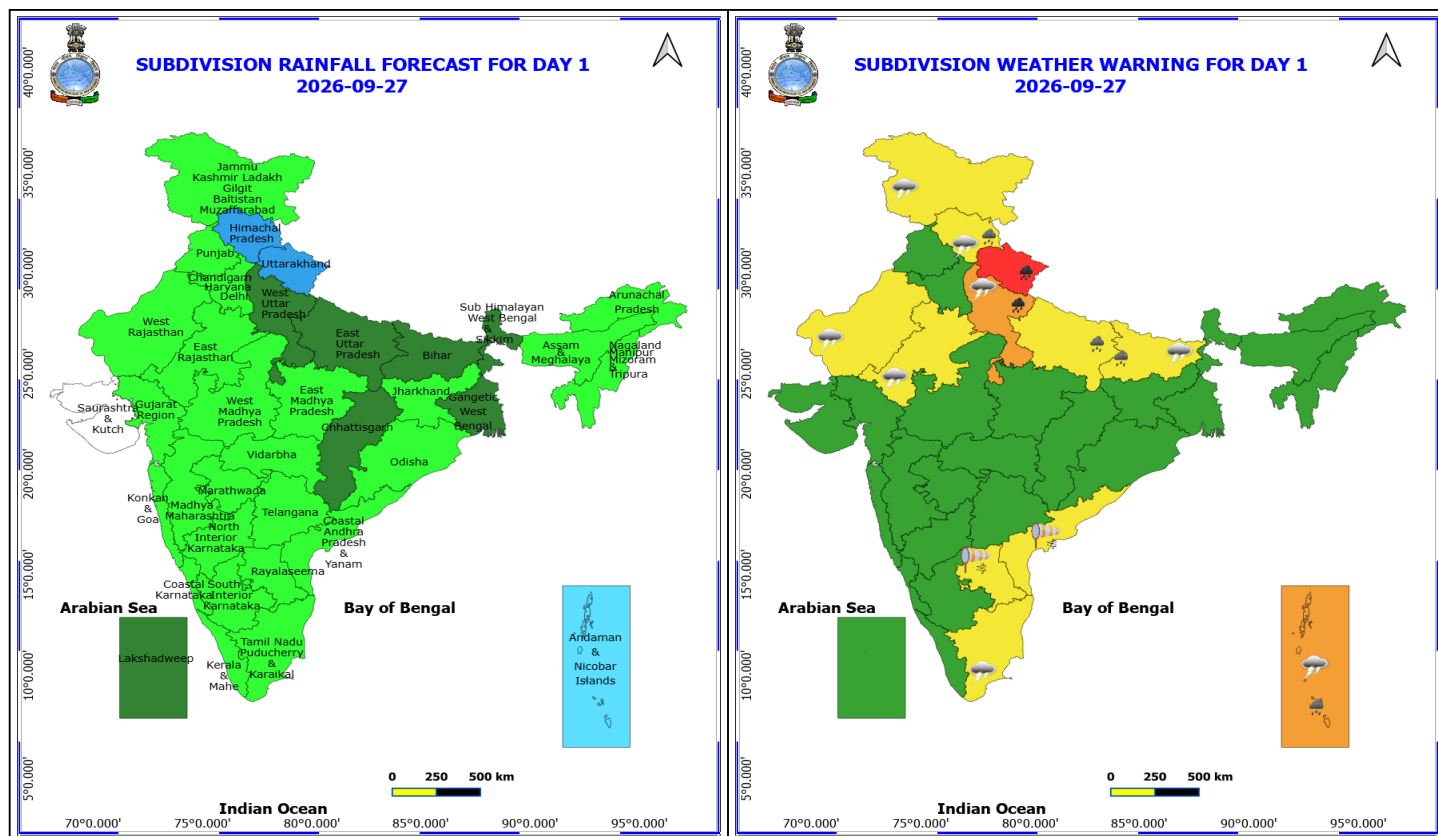


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## 27 September (Day 1)

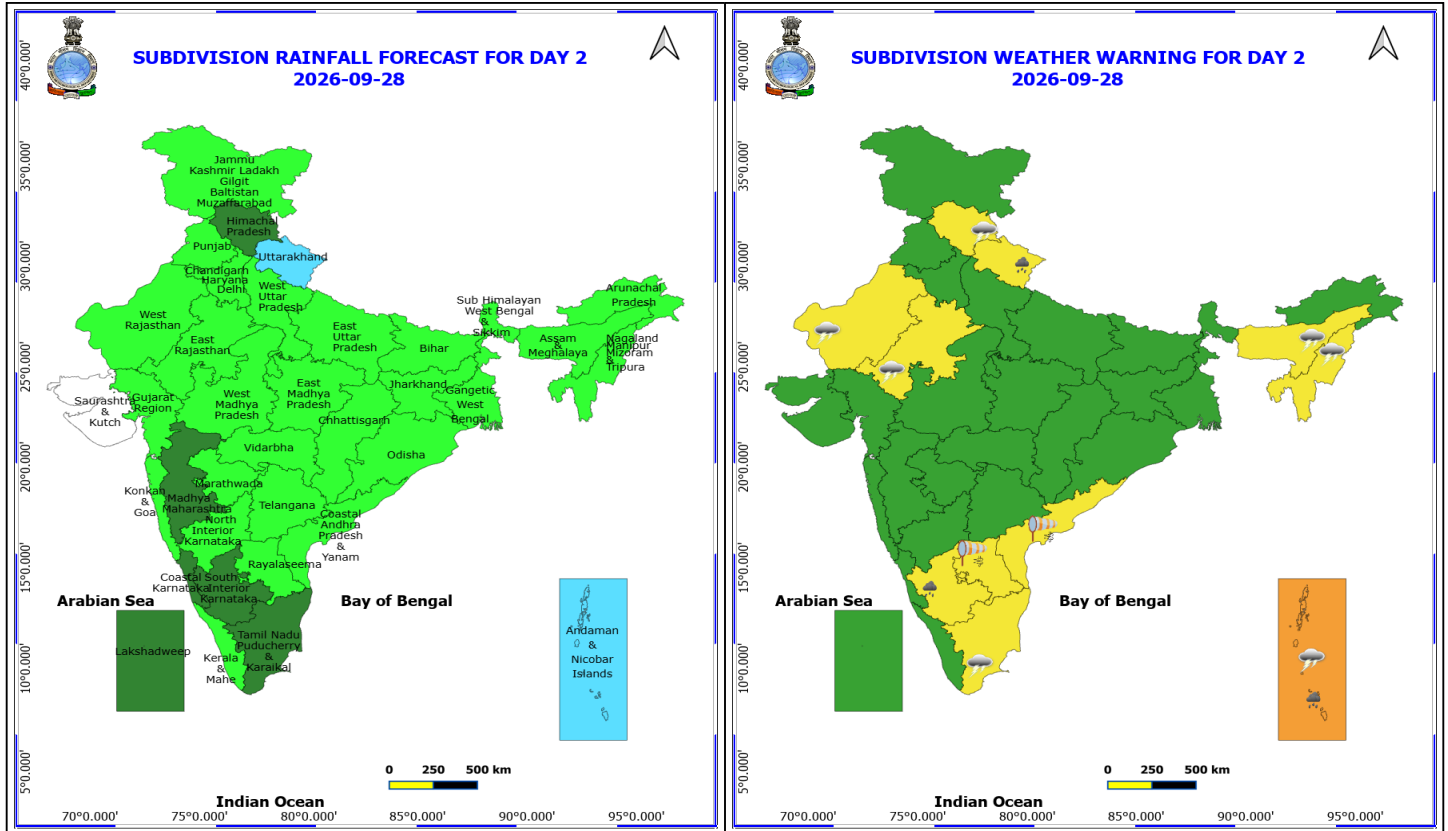
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Uttarakhand and West Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Bihar, East Uttar Pradesh and Himachal Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan, Tamil Nadu Puducherry & Karaikal and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, East Uttar Pradesh, Jharkhand, Odisha, Telangana, Uttarakhand and West Bengal & Sikkim.
- ❖ **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.
- ❖ **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 wind with speed 40-50 kmph gusting to 60 kmph** is likely to prevail over north Andaman Sea and along & off south Myanmar coast.

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## 28 September (Day 2)

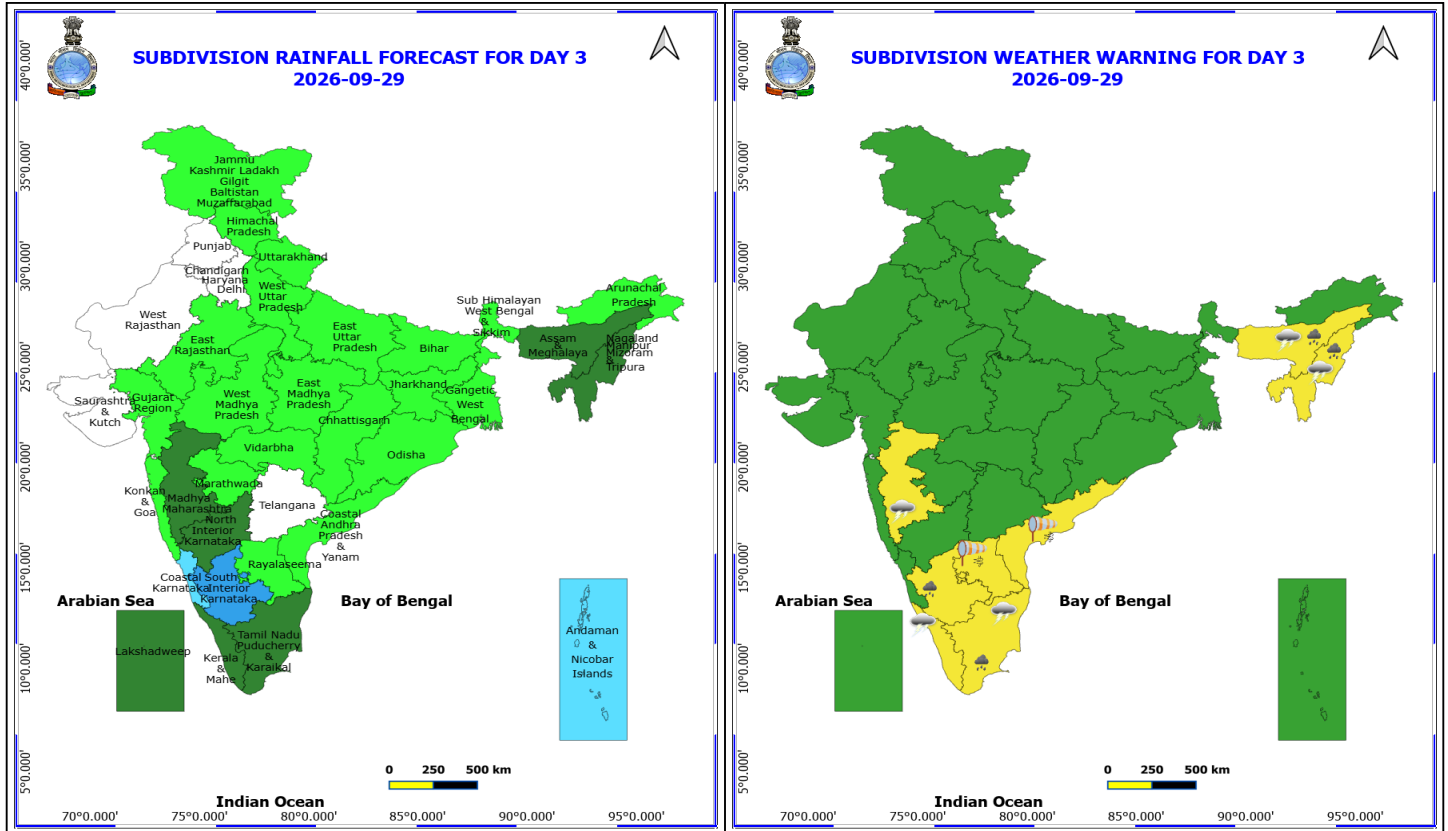
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, South Interior Karnataka and Uttarakhand.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Madhya Maharashtra, Marathwada, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh and Madhya Pradesh.
- ❖ **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 wind with speed 40-50 kmph gusting to 60 kmph** is likely to prevail over north Andaman Sea and along & off south Myanmar coast.
- ❖ **Squally wind with speed 35-45 kmph gusting to 55 kmph** is likely to prevail over along & off north Myanmar coast adjoining few parts of eastcentral & northeast Bay of Bengal.

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## 29 September (Day 3)

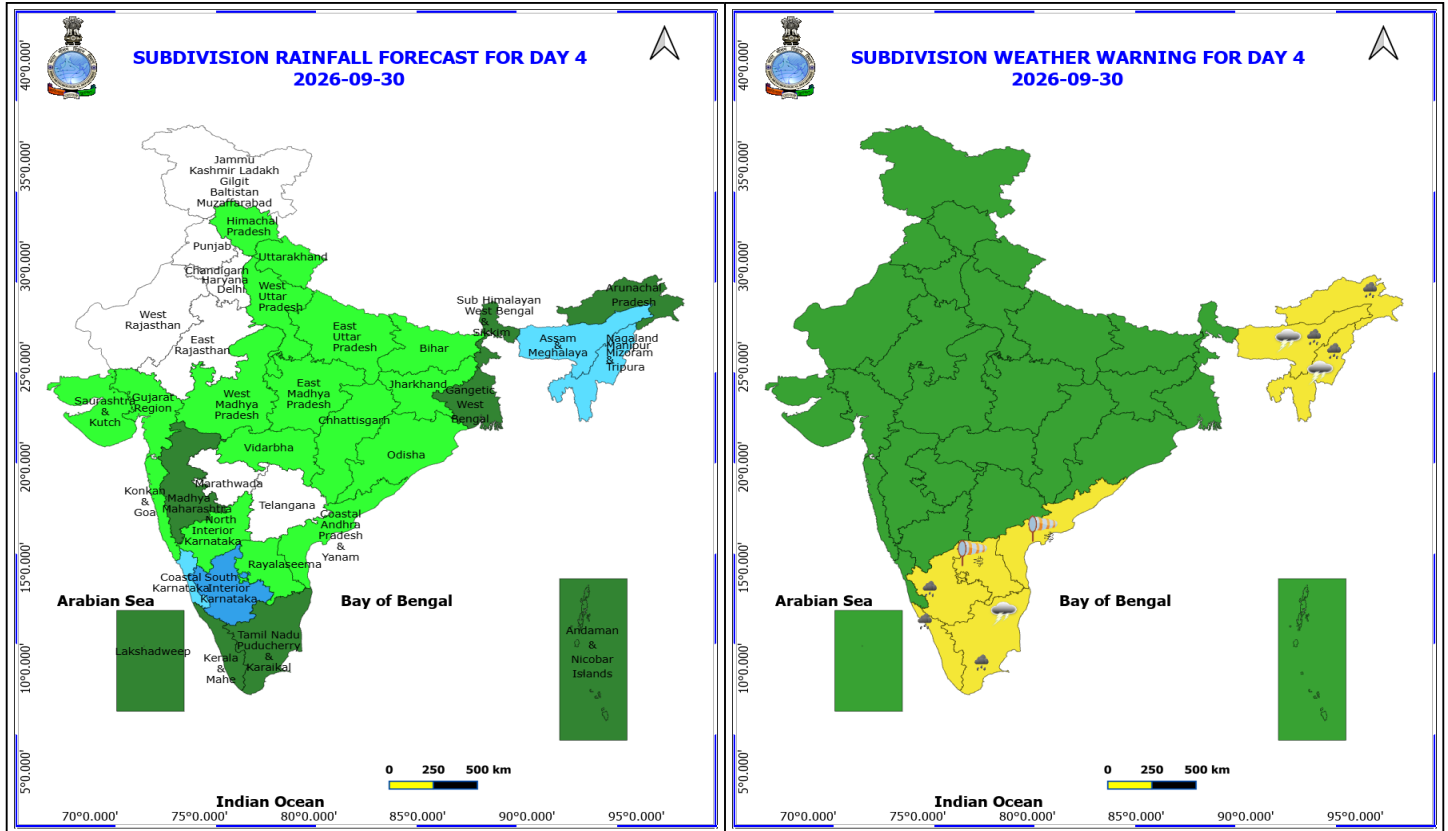
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Kerala & Mahe, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh and Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Konkan & Goa and Madhya Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Bay of Bengal: Squally wind with speed 35-45 kmph gusting to 55 kmph** is likely to prevail over along & off north Myanmar and Bangladesh coast adjoining few parts of eastcentral & many parts of northeast Bay of Bengal.

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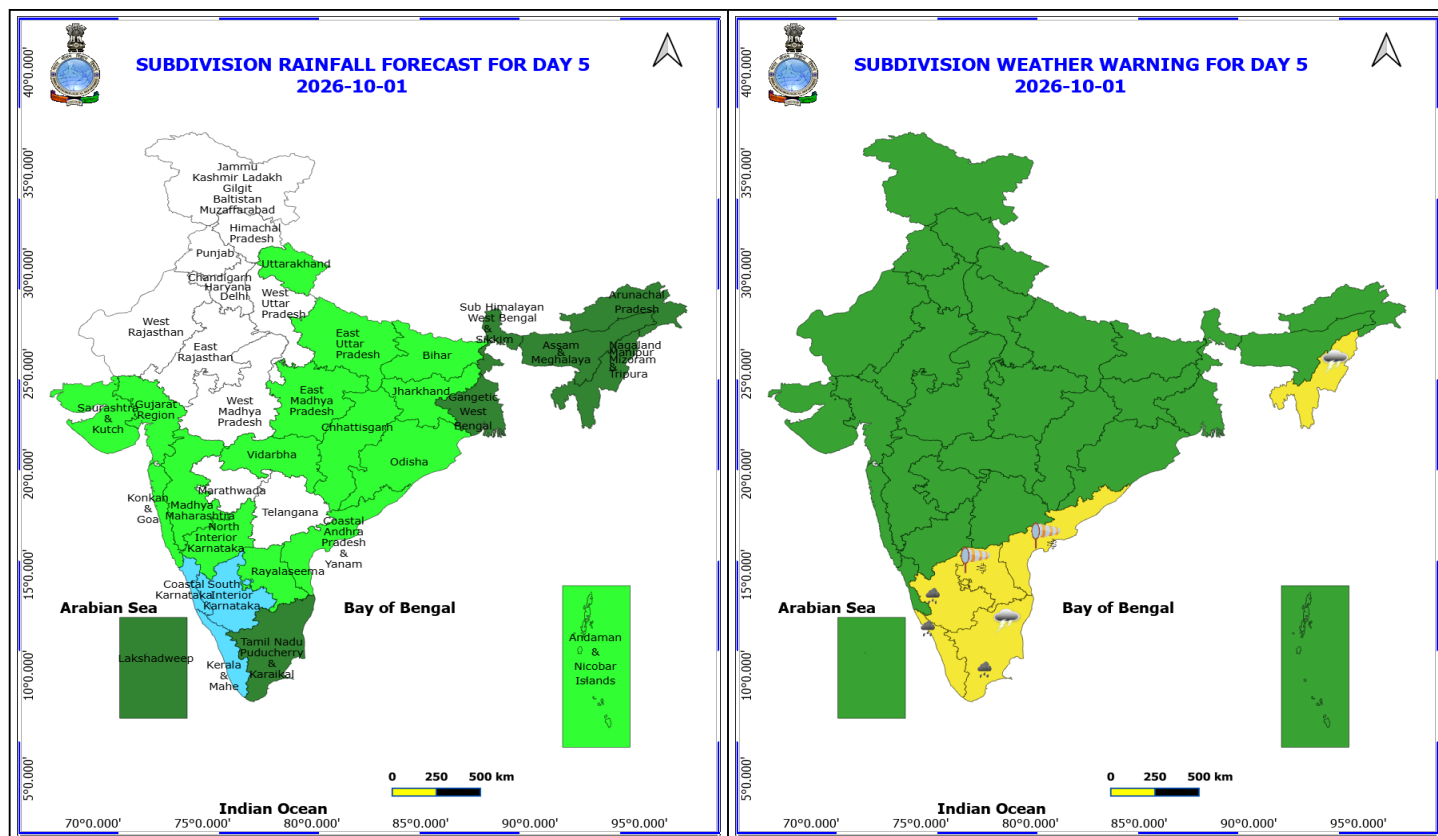
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### 30 September (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Interior Karnataka, Kerala & Mahe and Madhya Maharashtra.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Konkan & Goa and Madhya Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

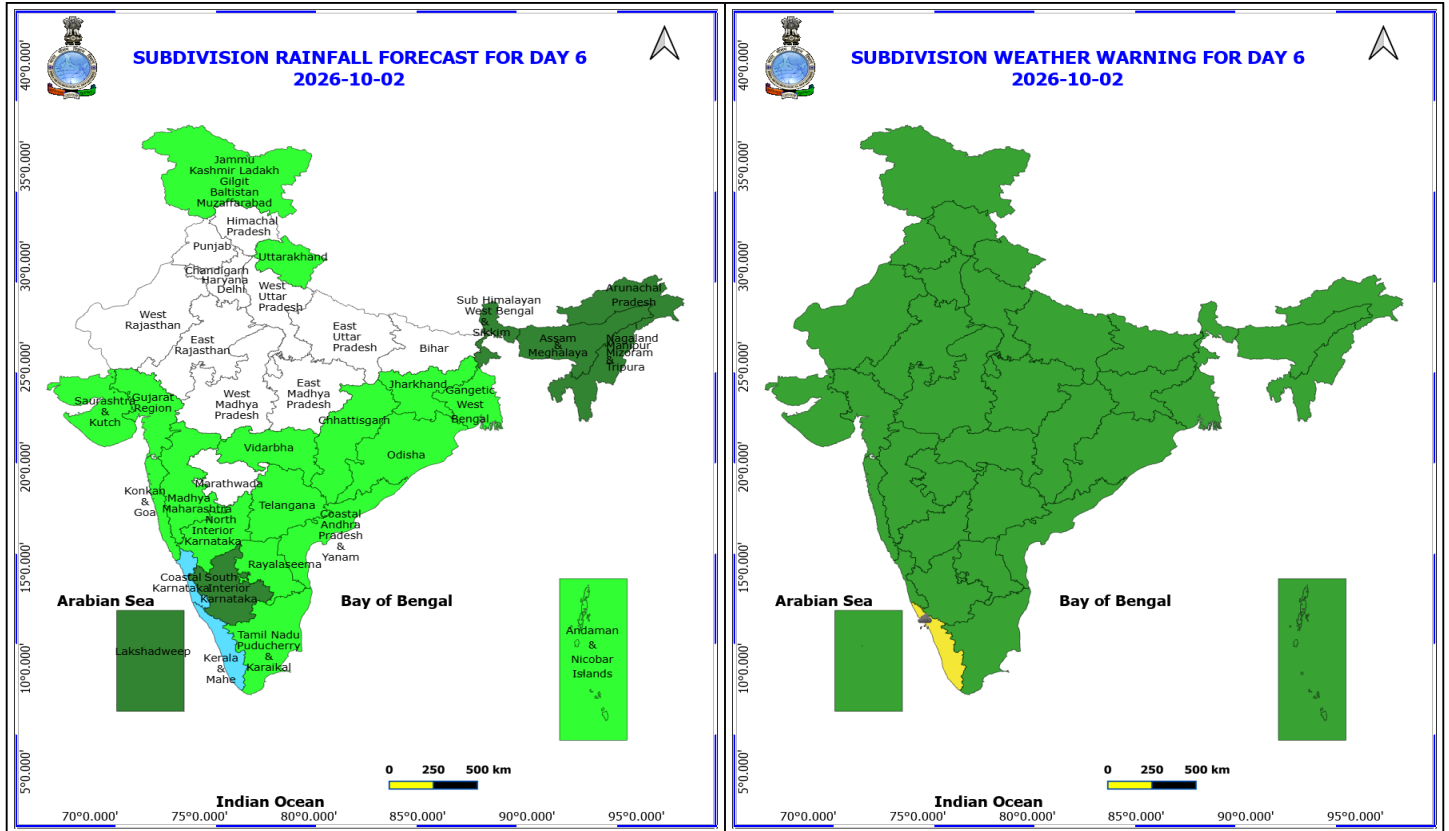
**No Fishermen Warning**



## 1 October (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over East Madhya Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

**No Fishermen Warning**



## 2 October (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands.

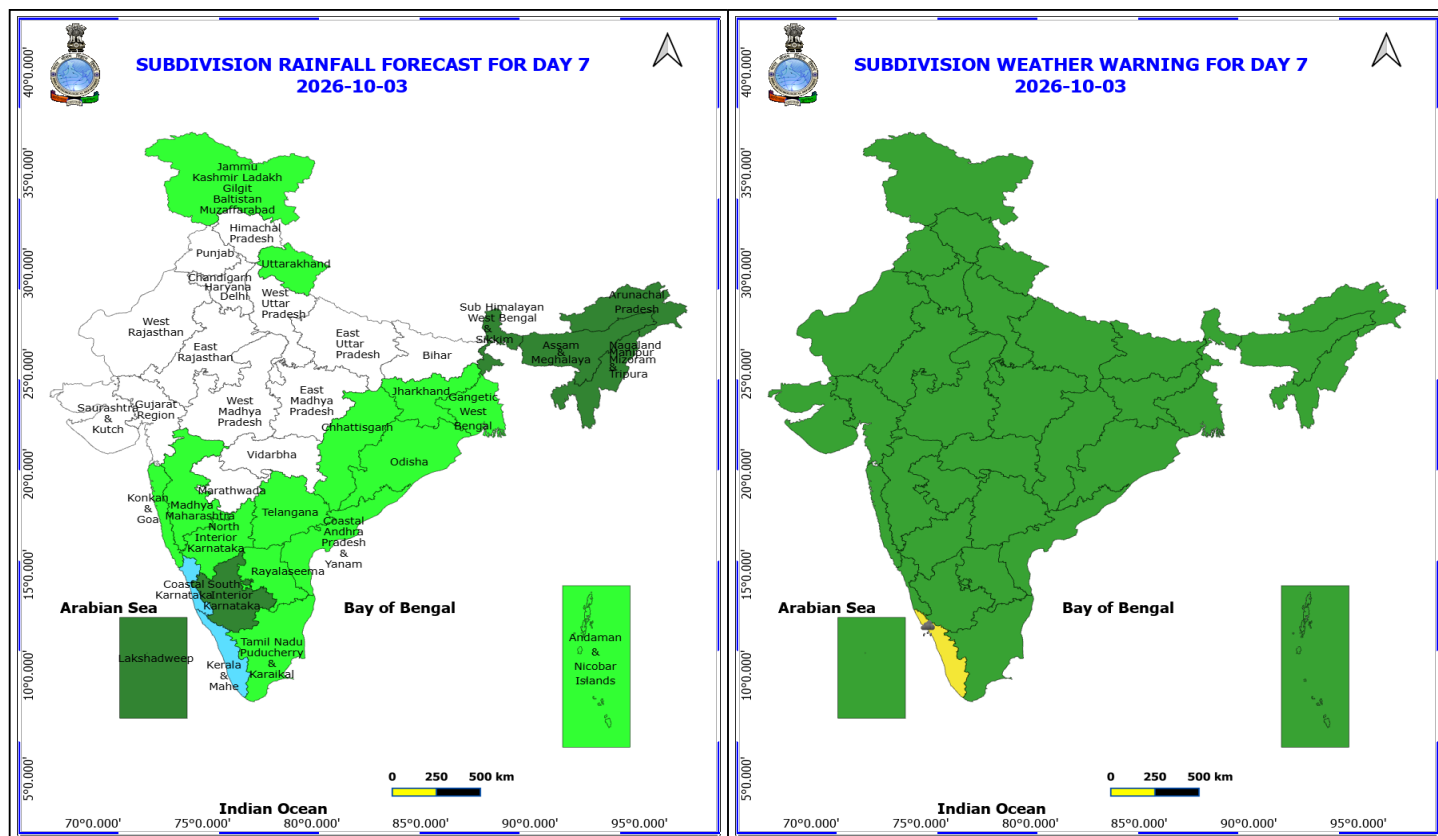
**No Fishermen Warning**

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### 3 October (Day 7)

❖ Heavy Rainfall likely at isolated places over Kerala & Mahe.

No Fishermen Warning

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## Flash Flood Warnings

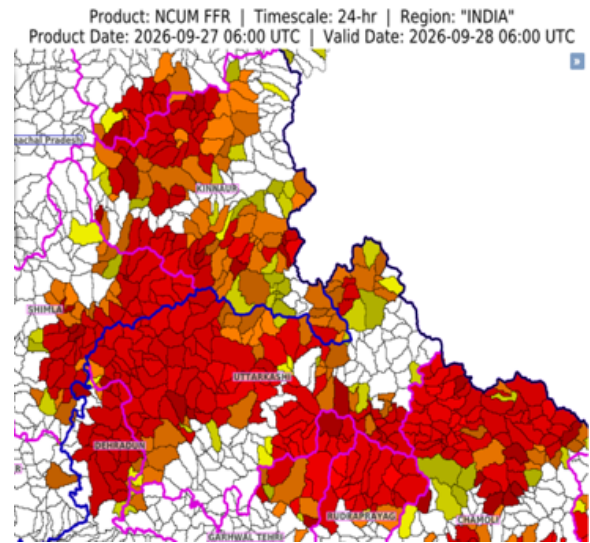
### Flash Flood Risk (FFR) till 1130 IST of 28-09-2026:

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Himachal Pradesh:** Kinnaur, Shimla and Sirmaur districts

**Uttarakhand:** Uttarkashi, Dehradun, Garhwal Tehri, Chamoli and Rudraprayag districts

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours



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**Table-1**

## 7 Days Rainfall Forecast

| S.No. | Subdivision                  | 27-<br>Sep | 28-<br>Sep | 29-<br>Sep | 30-<br>Sep | 1- Oct | 2- Oct | 3- Oct |
|-------|------------------------------|------------|------------|------------|------------|--------|--------|--------|
|       |                              | Day 1      | Day 2      | Day 3      | Day 4      | Day 5  | Day 6  | Day 7  |
| 1     | ANDAMAN & NICOBAR ISLANDS    | FWS        | FWS        | FWS        | SCT        | ISOL   | ISOL   | ISOL   |
| 2     | ARUNACHAL PRADESH            | ISOL       | ISOL       | ISOL       | SCT        | SCT    | SCT    | SCT    |
| 3     | ASSAM & MEHGHALAYA           | ISOL       | ISOL       | SCT        | FWS        | SCT    | SCT    | SCT    |
| 4     | N. M. M. & T.                | ISOL       | ISOL       | SCT        | FWS        | SCT    | SCT    | SCT    |
| 5     | S.H. WEST BENGAL & SIKKIM    | SCT        | ISOL       | ISOL       | SCT        | SCT    | SCT    | SCT    |
| 6     | GANGETIC WEST BENGAL         | SCT        | ISOL       | ISOL       | SCT        | SCT    | ISOL   | ISOL   |
| 7     | ODISHA                       | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 8     | JHARKHAND                    | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 9     | BIHAR                        | SCT        | ISOL       | ISOL       | ISOL       | ISOL   | DRY    | DRY    |
| 10    | EAST UTTAR PRADESH           | SCT        | ISOL       | ISOL       | ISOL       | ISOL   | DRY    | DRY    |
| 11    | WEST UTTAR PRADESH           | SCT        | ISOL       | ISOL       | ISOL       | DRY    | DRY    | DRY    |
| 12    | UTTARAKHAND                  | WS         | FWS        | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 13    | HARYANA, CHD & DELHI         | ISOL       | ISOL       | DRY        | DRY        | DRY    | DRY    | DRY    |
| 14    | PUNJAB                       | ISOL       | ISOL       | DRY        | DRY        | DRY    | DRY    | DRY    |
| 15    | HIMACHAL PRADESH             | WS         | SCT        | ISOL       | ISOL       | DRY    | DRY    | DRY    |
| 16    | JAMMU AND KASHMIR AND LADAKH | ISOL       | ISOL       | ISOL       | DRY        | DRY    | ISOL   | ISOL   |
| 17    | WEST RAJASTHAN               | ISOL       | ISOL       | DRY        | DRY        | DRY    | DRY    | DRY    |
| 18    | EAST RAJASTHAN               | ISOL       | ISOL       | ISOL       | DRY        | DRY    | DRY    | DRY    |
| 19    | WEST MADHYA PRADESH          | ISOL       | ISOL       | ISOL       | ISOL       | DRY    | DRY    | DRY    |
| 20    | EAST MADHYA PRADESH          | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | DRY    | DRY    |
| 21    | GUJRAT REGION                | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | DRY    |
| 22    | SAURASHTRA & KUTCH           | DRY        | DRY        | DRY        | ISOL       | ISOL   | ISOL   | DRY    |
| 23    | KONKAN & GOA                 | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 24    | MADHYA MAHARASHTRA           | ISOL       | SCT        | SCT        | SCT        | ISOL   | ISOL   | ISOL   |
| 25    | MARATHWADA                   | ISOL       | ISOL       | ISOL       | DRY        | DRY    | DRY    | DRY    |
| 26    | VIDARBHA                     | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | DRY    |
| 27    | CHATTISGARH                  | SCT        | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 28    | COASTAL ANDHRA PRADESH       | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 29    | TELANGANA                    | ISOL       | ISOL       | DRY        | DRY        | DRY    | ISOL   | ISOL   |
| 30    | RAYALASEEMA                  | ISOL       | ISOL       | ISOL       | ISOL       | ISOL   | ISOL   | ISOL   |
| 31    | TAMILNADU & PUDUCHERRY       | ISOL       | SCT        | SCT        | SCT        | SCT    | ISOL   | ISOL   |
| 32    | COSTAL KARNATAKA             | ISOL       | SCT        | FWS        | FWS        | FWS    | FWS    | FWS    |
| 33    | NORTH INTERIOR KARNATAKA     | ISOL       | ISOL       | SCT        | ISOL       | ISOL   | ISOL   | ISOL   |
| 34    | SOUTH INTERIOR KARNATAKA     | ISOL       | SCT        | WS         | WS         | FWS    | SCT    | SCT    |
| 35    | KERALA                       | ISOL       | ISOL       | SCT        | SCT        | 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 2026-09-26

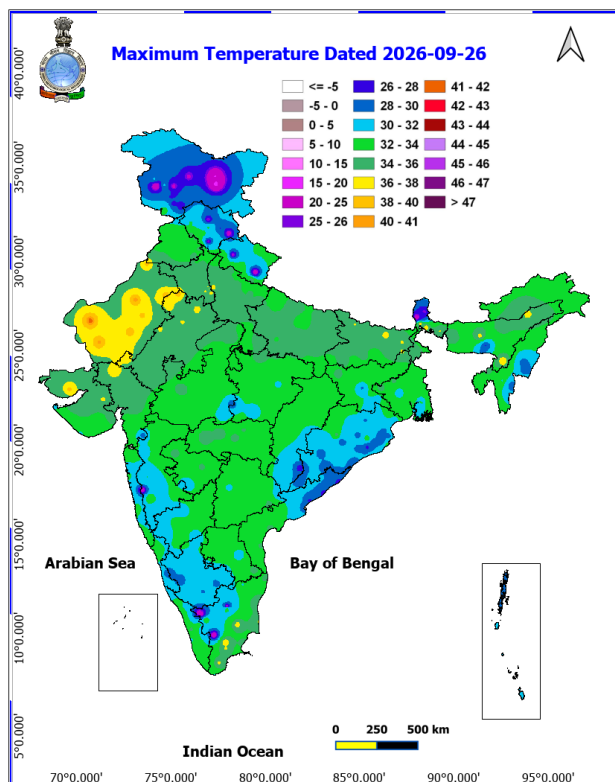


Fig. 2: Departure of Maximum Temp. Dated 2026-09-26

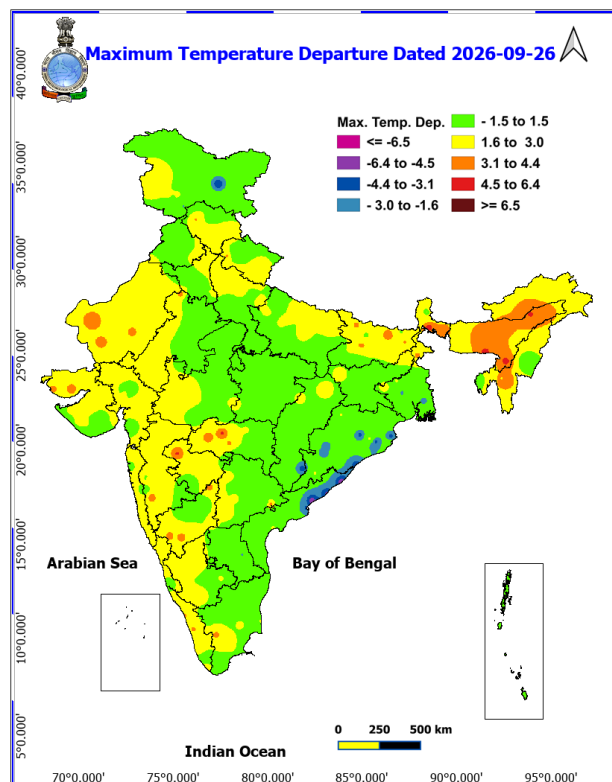


Fig. 3: Minimum Temperatures Dated 2026-09-27

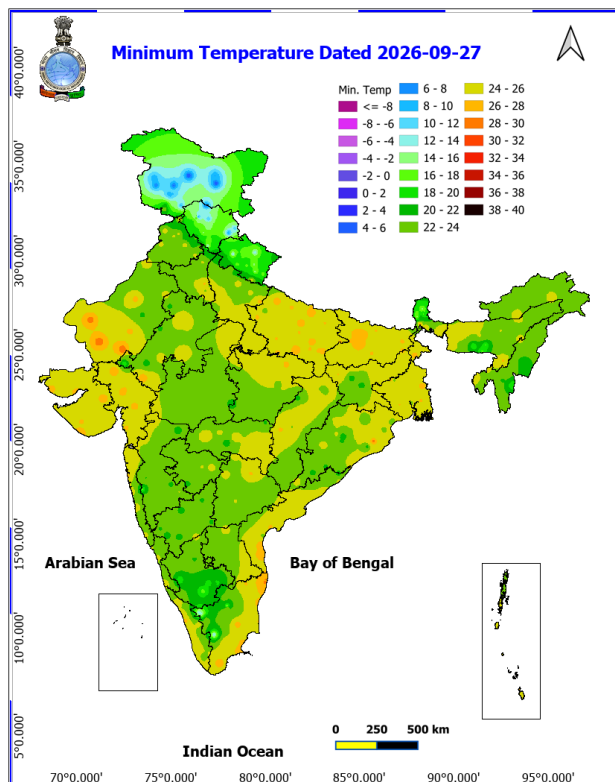
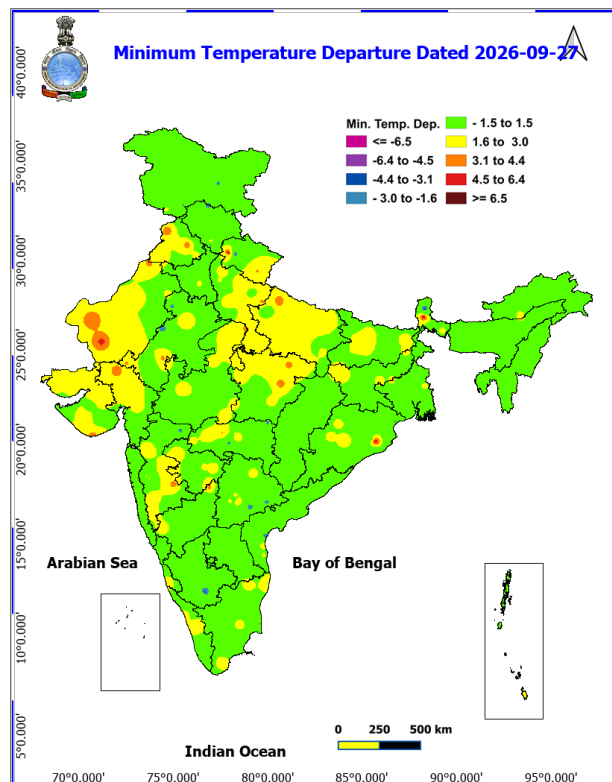
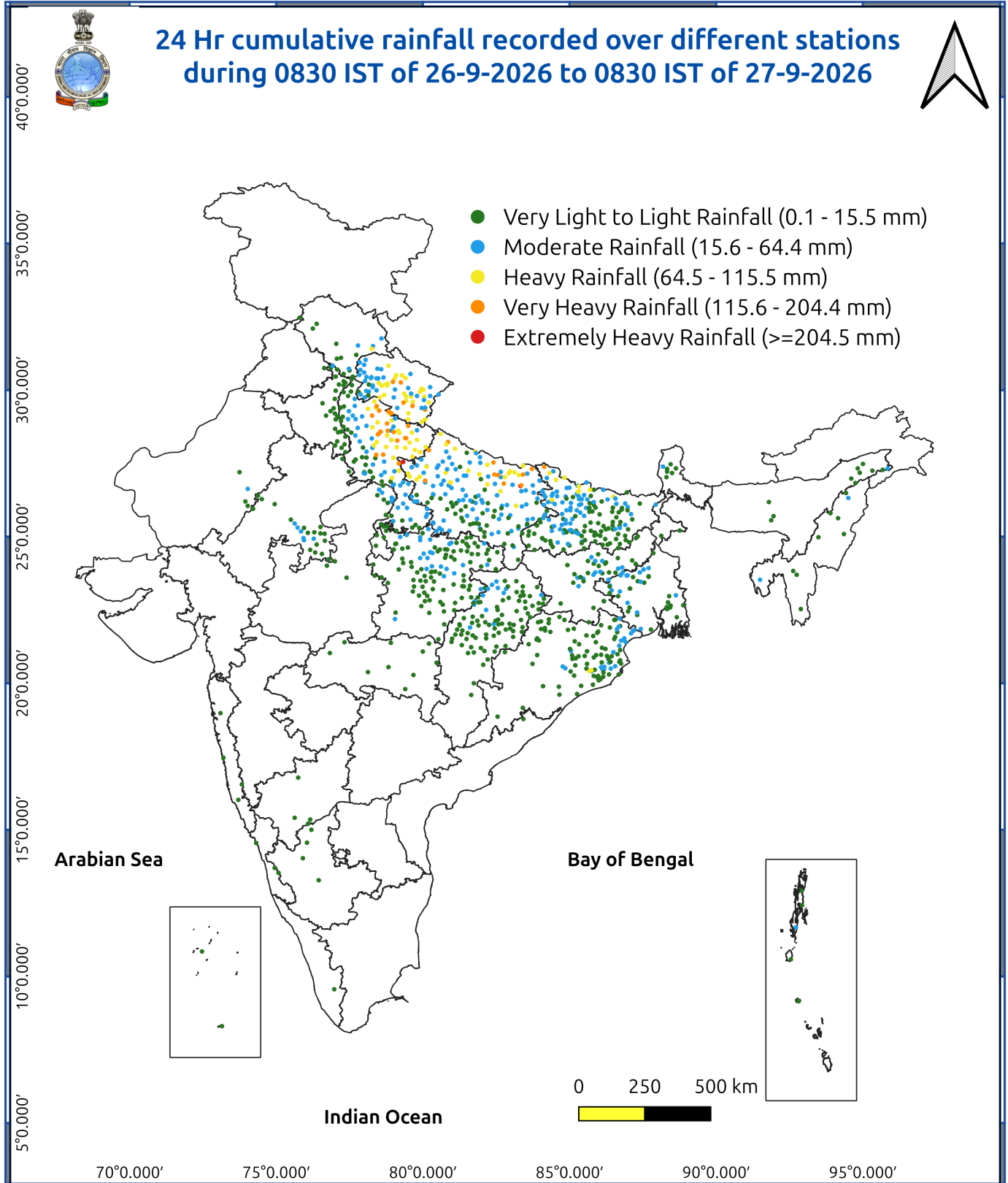


Fig. 4: Departure of Minimum Temp. Dated 2026-09-27





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## Impact and Actions

### Impact Expected and Action Suggested due to very heavy rainfall

- Isolated **very heavy rainfall** also likely over Uttarakhand on 27th September.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 27<sup>th</sup> & 28th September.

#### 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 kutchha 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/ Very Heavy Rainfall

- In **Uttarakhand**, drain out excess rain water from rice, maize, finger millet, sugarcane, pigeon pea, green gram, black gram, soybean, vegetables and keep drainage channels clear. Avoid irrigation where rainfall is adequate and provide support to tall crops and vegetables to prevent lodging.
- In **Uttar Pradesh**, drain excess water from rice, maize, sugarcane, red gram, black gram, green gram, vegetables and fruit orchards. Postpone irrigation, intercultural operations, fertilizer and plant-protection applications until field conditions become suitable.
- In **Bihar**, drain out excess rain water from rice, maize, pigeon pea, low-lying sugarcane and other standing crop fields to prevent water stagnation. Postpone irrigation, fertilizer, pesticide and other field operations until soil conditions become suitable.
- In **Himachal Pradesh**, keep the harvested produce at safer places. Maintain proper drainage in standing crop fields and vegetables to prevent waterlogging.

### 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.

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**Agromet advisory for likely impact of heavy/ very heavy rainfall on Livestock / Poultry / Fisheries**

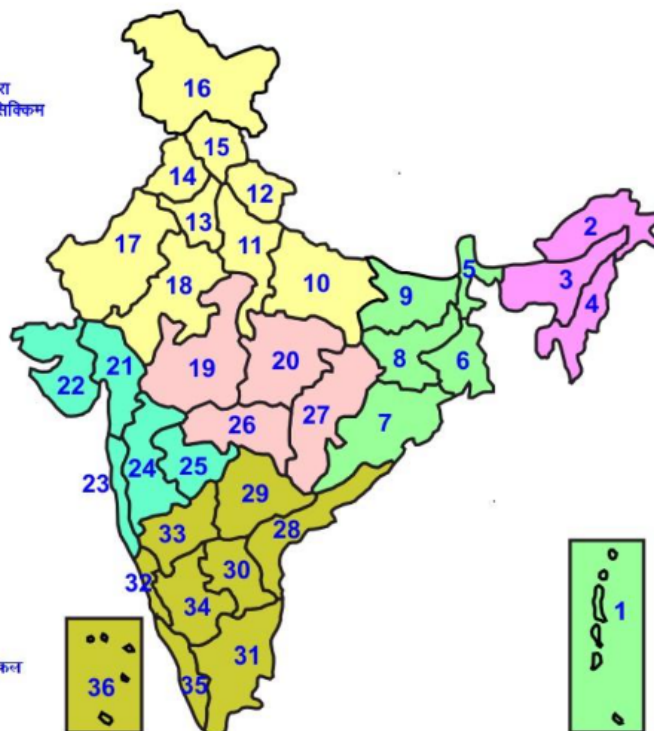
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

**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.
- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathwada.
- **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

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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 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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