

2026-05-13

Time of Issue: 13:31:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- Conditions are becoming favourable for the advance of **southwest monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands around 16<sup>th</sup> May, 2026.
- **The low-pressure area over southwest & adjoining westcentral Bay of Bengal lay as a well-marked low-pressure area over the same region at 0830 Hrs IST of today, the 13<sup>th</sup> May 2026, with the associated cyclonic circulation extending upto 5.8 km above mean sea level.**

### Northwest India:

**Scattered to Fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 13<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>; Uttarakhand on 13<sup>th</sup> & 14<sup>th</sup>; with **thunderstorms, lightning likely** over Himachal Pradesh on 14<sup>th</sup> May.

**Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-60 kmph)** likely over Punjab, Haryana Chandigarh on 13<sup>th</sup> & 14<sup>th</sup>; Uttar Pradesh on 13<sup>th</sup>, Rajasthan on 13<sup>th</sup> May.

### Northeast India:

**Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightninggusty winds (speed reaching 40-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura during 13<sup>th</sup> -17<sup>th</sup>; Assam & Meghalaya during 14<sup>th</sup>-17<sup>th</sup> May; with **thunderstorms, lightning likely** over Arunachal Pradesh during 13<sup>th</sup> - 17<sup>th</sup> May.

**Isolated heavy rainfall** likely over Arunachal Pradesh on 13<sup>th</sup> & during 15<sup>th</sup>-18<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup> - 19<sup>th</sup>, Nagaland, Manipur, Mizoram during 13<sup>th</sup> -15<sup>th</sup>; Tripura during 13<sup>th</sup> -15<sup>th</sup> & on 18<sup>th</sup> & 19<sup>th</sup> May with **Isolated very heavy rainfall** over Arunachal Pradesh on 14<sup>th</sup> & 18<sup>th</sup>, Assam & Meghalaya on 13<sup>th</sup> & 14<sup>th</sup> May.

### East India:

**Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightninggusty/squally winds (speed reaching 30-60 kmph)** likely over Andaman & Nicobar Islands during 13<sup>th</sup> - 19<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 13<sup>th</sup> - 16<sup>th</sup>; Gangetic West Bengal on 13<sup>th</sup> & 14<sup>th</sup>; Bihar during 13<sup>th</sup> - 15<sup>th</sup> & on 17<sup>th</sup>; Jharkhand on 13<sup>th</sup> & during 15<sup>th</sup> - 18<sup>th</sup>; Odisha during 13<sup>th</sup> - 15<sup>th</sup> May.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand on 14<sup>th</sup>; Bihar on 16<sup>th</sup> May.

**Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 13<sup>th</sup> -19<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim during 14<sup>th</sup> -16<sup>th</sup> May with isolated **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 13<sup>th</sup> May.

### Central India:

**Isolated** light to moderate rainfall with **thunderstorm, lightninggusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh; Vidarbha on 13<sup>th</sup>; Chhattisgarh during 13<sup>th</sup>-17<sup>th</sup> May.

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#### South Peninsular India:

- **Scattered to fairly widespread thunderstorms, lightning & gusty winds (30-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Lakshadweep on 13<sup>th</sup> & 14<sup>th</sup>; Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema; South Interior Karnataka during 13<sup>th</sup> – 17<sup>th</sup>; Telangana during 13<sup>th</sup> – 15<sup>th</sup>, Coastal Karnataka, North Interior Karnataka on 13<sup>th</sup>, with **thunderstorms, lightning likely over Coastal Karnataka** on 14<sup>th</sup> & 15<sup>th</sup> May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup> May.
- **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup> - 17<sup>th</sup>, Kerala & Mahe during 13<sup>th</sup> – 16<sup>th</sup>; South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> May.
- Isolated **Hailstorm activity** likely over South Interior Karnataka on 15<sup>th</sup> May.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 4-6°C likely over Northwest India during 13<sup>th</sup> -19<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-3°C likely over central India till 17<sup>th</sup> May and no significant change on 18<sup>th</sup> & 19<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-4°C likely over East India till 17<sup>th</sup> May and no significant change on 18<sup>th</sup> & 19<sup>th</sup> May.
- No significant change in maximum temperatures likely over Gujarat till 14<sup>th</sup> May and gradual fall by 2-4°C during 15<sup>th</sup> -19<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-3°C likely over Maharashtra till 16<sup>th</sup> May and gradual fall by 2-3°C during 17<sup>th</sup> -19<sup>th</sup> May.
- No significant change in maximum temperatures likely over rest parts of the country till 19<sup>th</sup> May 2026.

#### Heat Wave, Hot & Humid weather and Warm night conditions warning:

- **Heat wave conditions at many places with severe heat wave conditions in isolated pockets** likely to prevail over West Rajasthan during 13<sup>th</sup> to 15<sup>th</sup>; West Madhya Pradesh during 13<sup>th</sup> – 17<sup>th</sup>
- **Heat wave conditions** in isolated pockets likely to prevail over Uttar Pradesh during 16<sup>th</sup> – 19<sup>th</sup>; Punjab, Haryana Chandigarh & Delhi during 17<sup>th</sup> – 19<sup>th</sup>; East Rajasthan during 13<sup>th</sup> – 19<sup>th</sup>; East Madhya Pradesh during 15<sup>th</sup> – 17<sup>th</sup>; Vidarbha during 13<sup>th</sup> – 19<sup>th</sup>; Chhattisgarh during 16<sup>th</sup> – 19<sup>th</sup>; Madhya Maharashtra, Marathwada, Saurashtra & Kutch, Gujarat Region on 13<sup>th</sup> & 14<sup>th</sup>; Telangana 15<sup>th</sup> – 19<sup>th</sup> May.
- **Warm night conditions** likely to prevail in isolated pockets over West Rajasthan during 13<sup>th</sup>-19<sup>th</sup>; East Rajasthan during 13<sup>th</sup> – 15<sup>th</sup>; Vidarbha, Marathwada on 13<sup>th</sup> & 14<sup>th</sup>; Madhya Maharashtra on 13<sup>th</sup>, May.
- **Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan & Goa on 13<sup>th</sup> & 14<sup>th</sup> May 2026.

#### Fisherman Warning:

- Fishermen are advised not to venture into the following areas during 13th May to 18th May, 2026:
- Bay of Bengal: Over many parts of southwest Bay of Bengal and adjoining, some parts of southeast, westcentral & eastcentral Bay of Bengal on 13th May; some parts of eastcentral Bay of Bengal and adjoining parts of westcentral Bay of Bengal on 14th May; over Andaman Sea from 14th to 18th May.
- Arabian Sea: No warning.

### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands; **at many places** over Assam & Meghalaya, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Coastal Karnataka and Kerala & Mahe; **at a few places** over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar and Lakshadweep; **at isolated places** over Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and South 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): **Bihar:** Krityanand Nagar (dist Purnea) 11; Banmankhi (dist Purnea), Katihar (dist Katihar) 7 Each; Kasba (dist Purnea) 6; Purnea (dist Purnea), Balrampur (dist Katihar), Mansahi (dist Katihar) 5 Each; Bahadurganj (dist Kishanganj) 4; **Gangetic West Bengal:** Nalhati (dist Birbhum) 10; Murarai (dist Birbhum) 5; **Sub Himalayan West Bengal & Sikkim:** Tadong (dist Gangtok) 10; Gangtok (dist Gangtok) 8; **Assam & Meghalaya:** Bhaghmara (dist South Garo Hills) 10; Williamnagar (dist East Garo Hills), Mawkyrwat (dist South West Khasi Hills) 6 Each; Dhubri CWC (dist Dhubri), Tikrikilla (dist West Garo Hills), Williamnagar AWS (dist East Garo Hills) 5 Each; Dhubri IMD (dist Dhubri) 4; **Coastal Karnataka:** Mangaluru (dist Dakshina Kannada) 8; Shakti Nagar (dist Dakshina Kannada) 5; Mangaluru AP (dist Dakshina Kannada) 4; **Kerala & Mahe:** Chemberi AWS (dist Cannur), Ranni AWS (dist Pathanamthitta) 5 Each; Punalur (dist Kollam), Thennala AWS (dist Malappuram) 4 Each; **Andaman & Nicobar Islands:** Nancowry (dist Nicobar), Iaf Carnicobar (dist Nicobar) 5 Each; Maya Bandar (dist North & Middle Andaman), Car Nicobar (dist Nicobar) 4 Each; **Jharkhand:** Amrapara (dist Pakur), Kharsema (dist Seraikela-kharsawan) 5 Each; Maheshpur (dist Pakur), Tenughat (dist Bokaro) 4 Each; **Odisha:** Barkote (dist Deogarh) 5; Telkoi (dist Keonjhar) 4.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy rain** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar and Coastal Karnataka.

❖ **Minimum Temperature Departures (as on 13-05-2026):** **markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra and Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at many places over Madhya Maharashtra; at most places over Marathwada; at few places over West Rajasthan and Vidarbha; at isolated places over Assam & Meghalaya, Odisha, Bihar, East Uttar Pradesh, Punjab, Himachal Pradesh, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, West Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Telangana and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Odisha, Bihar, East Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Vidarbha, Rayalaseema, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at most places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, West Uttar Pradesh, Uttarakhand, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at few places over Arunachal Pradesh, Jharkhand, Haryana-Chandigarh-Delhi, Punjab, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Telangana and Coastal Karnataka; at isolated places over West Madhya Pradesh and Madhya Maharashtra. **The lowest minimum temperature of 21.2°C was reported at ROHTAK(HARYANA)** over the Plains of India.

❖ **Maximum Temperature Departures (as on 12-05-2026):** **markedly above normal(> 5.1°C)** at most places over West Rajasthan and East Rajasthan; at few places over West Madhya Pradesh, Gujarat Region, Marathwada and Vidarbha; at isolated places over East Madhya Pradesh and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at many places over Punjab, Himachal Pradesh and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at most places over Arunachal Pradesh; at few places over Haryana-Chandigarh-Delhi and Saurashtra & Kutch; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Konkan & Goa, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Telangana. **above normal(1.6°C to 3.0°C)** at many places over North Interior Karnataka; at few places over Jharkhand; at isolated places over Odisha, East Uttar Pradesh, Uttarakhand, Tamil Nadu, Puducherry &

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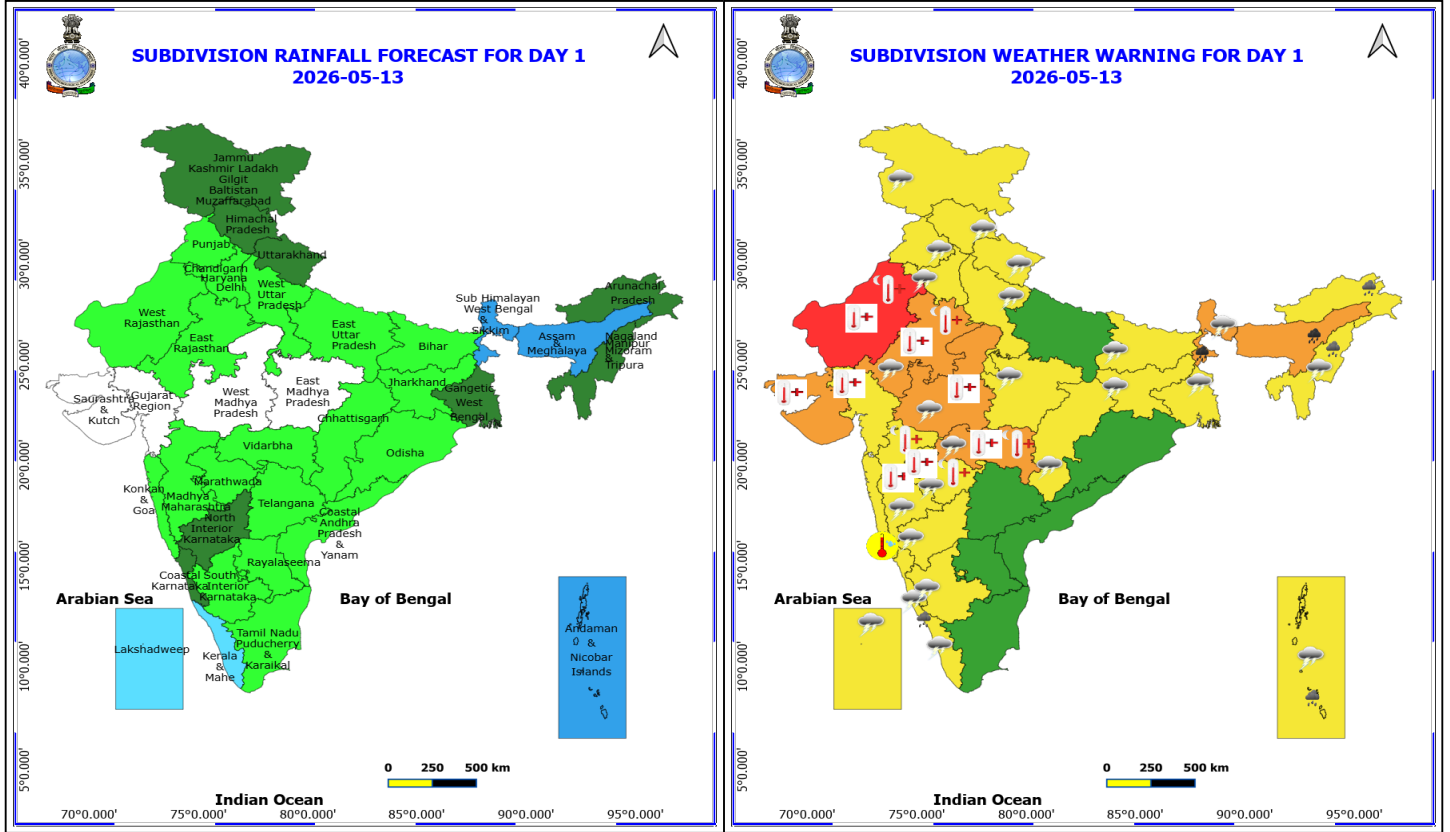
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Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim and West Uttar Pradesh; at most places over Rayalaseema, Coastal Karnataka, South Interior Karnataka and Lakshadweep; at few places over Andaman & Nicobar Islands and Bihar. **The highest maximum temperature** of 47.3°C was reported at BARMER (RAJASTHAN).

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

- Conditions are becoming favourable for the advance of **southwest monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands around 16<sup>th</sup> May, 2026.
- The low-pressure area over southwest & adjoining westcentral Bay of Bengal lay as a **well-marked low-pressure area** over the same region at 0830 Hrs IST of today, the 13<sup>th</sup> May 2026, with the associated cyclonic circulation extending upto 5.8 km above mean sea level.
- The **Western Disturbance** as an **upper air cyclonic circulation** over North Pakistan & neighbourhood lies over Jammu at 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over south Haryana & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & adjoining Uttarakhand at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Southwest Madhya Pradesh & neighbourhood at 0.9 km above mean sea level persists.
- The east-west **trough now runs** from upper air cyclonic circulation over Southwest Madhya Pradesh to Manipur across East Madhya Pradesh, south Bihar, north Gangetic West Bengal, and South Assam at 0.9 km above mean sea level.
- The **trough** in westerly roughly along Long. 89°E to the north of Lat. 22°N at 3.1 km above mean sea level persists.
- A north-south **trough** runs from Southwest Madhya Pradesh to South Interior Karnataka across Madhya Maharashtra, North Interior Karnataka upto 1.5 km above mean sea level.
- A fresh **Western Disturbance** is likely to affect Northwest India from 15<sup>th</sup> May 2026.
- The **upper air cyclonic circulation** over West Rajasthan & neighbourhood extending upto 1.5 km above mean sea level has become less marked.
- The **trough** in easterlies from the centre of **low pressure area** over southwest & adjoining westcentral Bay of Bengal to Comorin area across south Tamil Nadu and extends upto 4.5 km above mean sea level has become less marked.



**13 May (Day 1)**

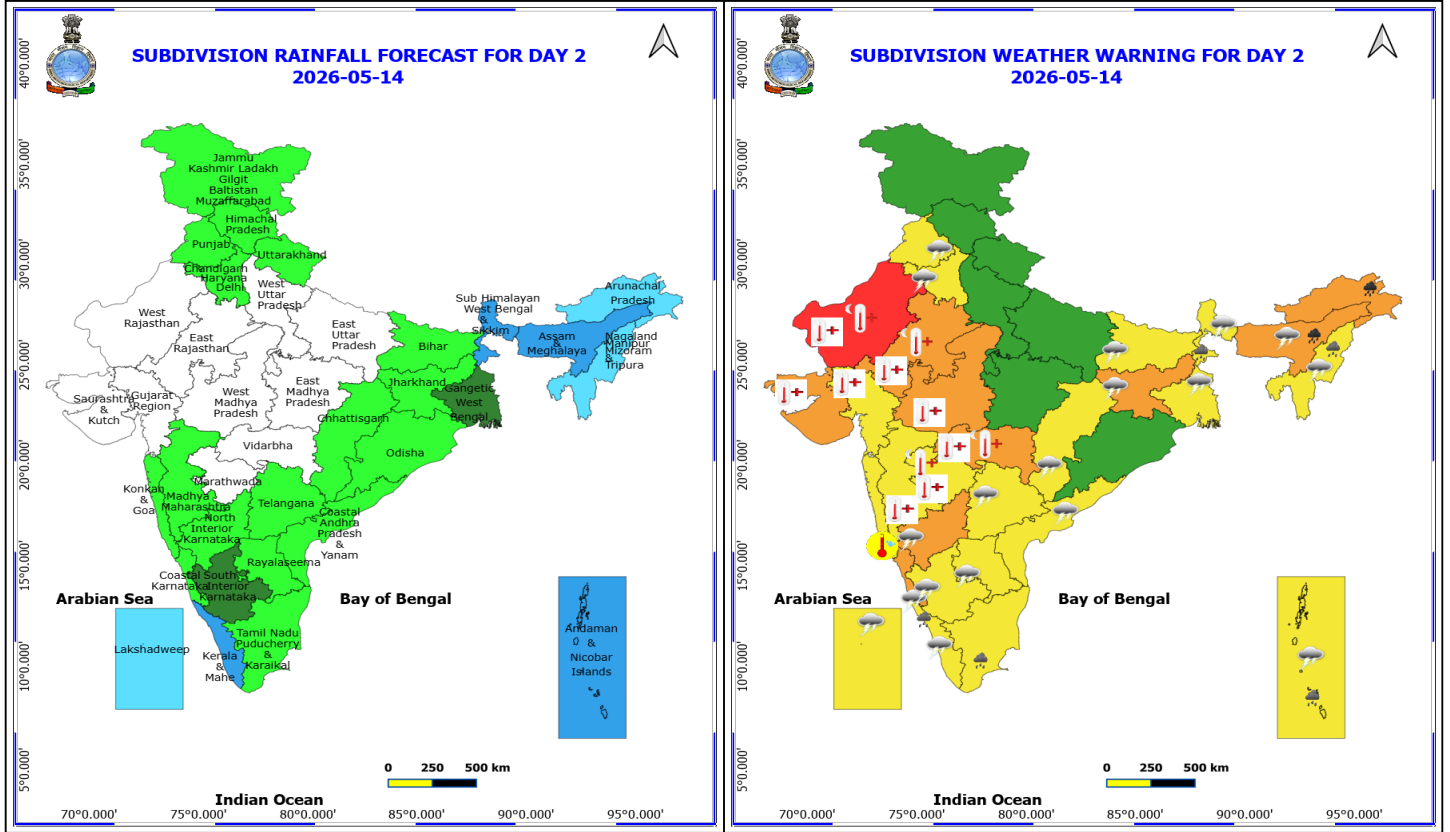
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Karnataka, Kerala & Mahe, Lakshadweep, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttarakhand, West Bengal & Sikkim and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, East Uttar Pradesh, Odisha, Tamil Nadu Puducherry & Karaikal, Telangana and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heat Wave conditions** very likely at isolated places over East Rajasthan, Gujarat State and Maharashtra.
- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over West Madhya Pradesh and West Rajasthan.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa.
- ❖ **Warm Night conditions** very likely at isolated places over Maharashtra and Rajasthan.

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❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over many parts of southwest Bay of Bengal and adjoining, some parts of southeast, westcentral & eastcentral Bay of Bengal.



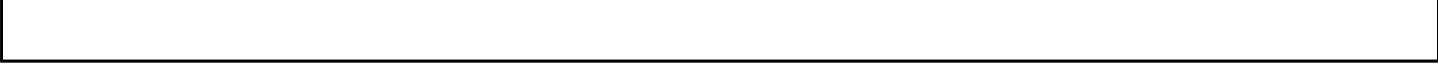
**14 May (Day 2)**

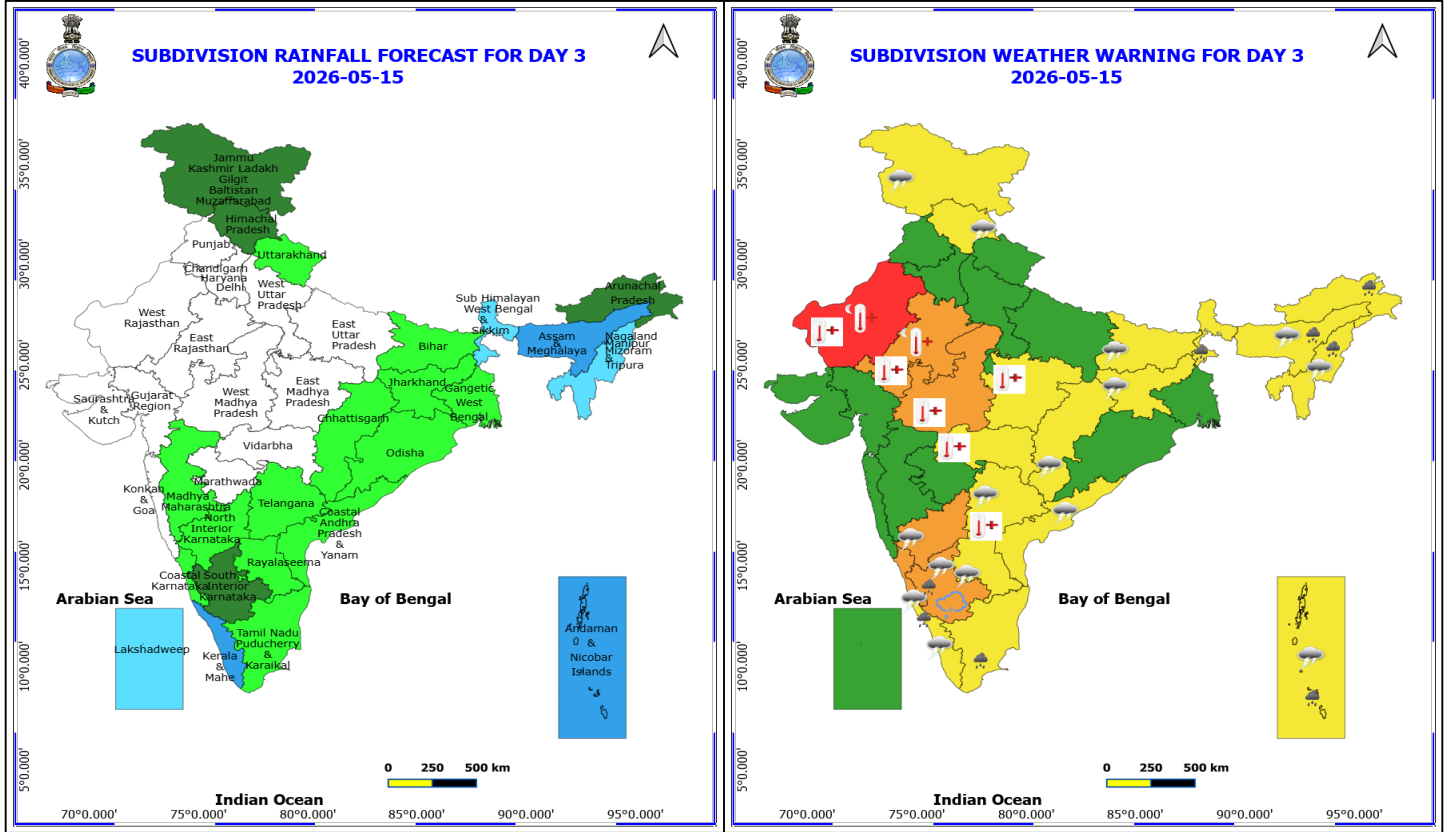
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Coastal Karnataka, Jharkhand and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Kerala & Mahe, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, Punjab, South Interior Karnataka, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Himachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over East Rajasthan, Gujarat State and Maharashtra.
- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over West Madhya Pradesh and West Rajasthan.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa.
- ❖ **Warm Night conditions** very likely at isolated places over Marathwada, Rajasthan and Vidarbha.

❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over some parts of eastcentral Bay of Bengal and adjoining parts of westcentral Bay of Bengal, over Andaman Sea.

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### 15 May (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over South Interior Karnataka.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Coastal Karnataka and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over East Madhya Pradesh, East Rajasthan, Telangana and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over West Madhya Pradesh and West Rajasthan.
- ❖ **Warm Night conditions** very likely at isolated places over Rajasthan.

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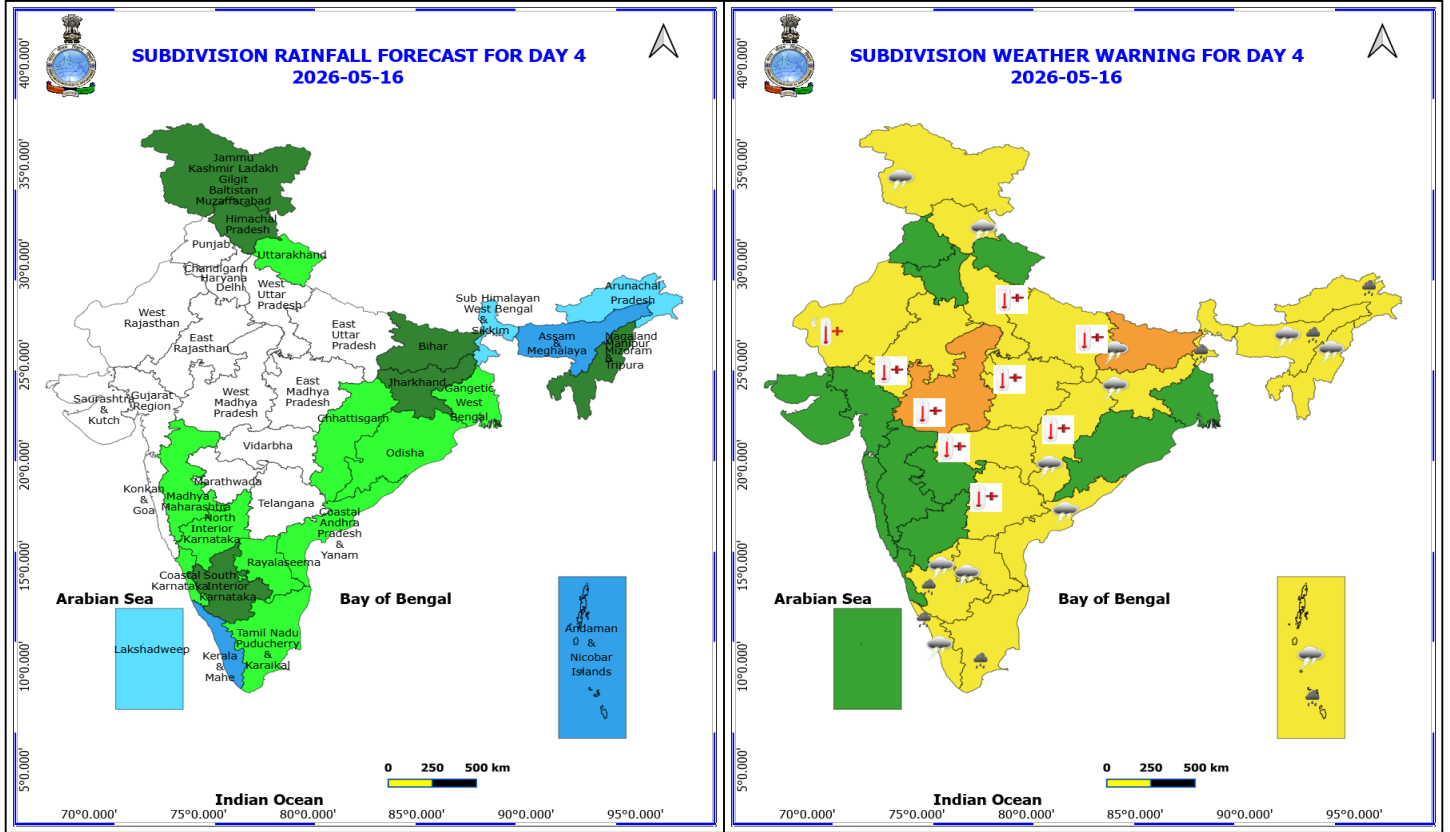
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❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Andaman Sea.



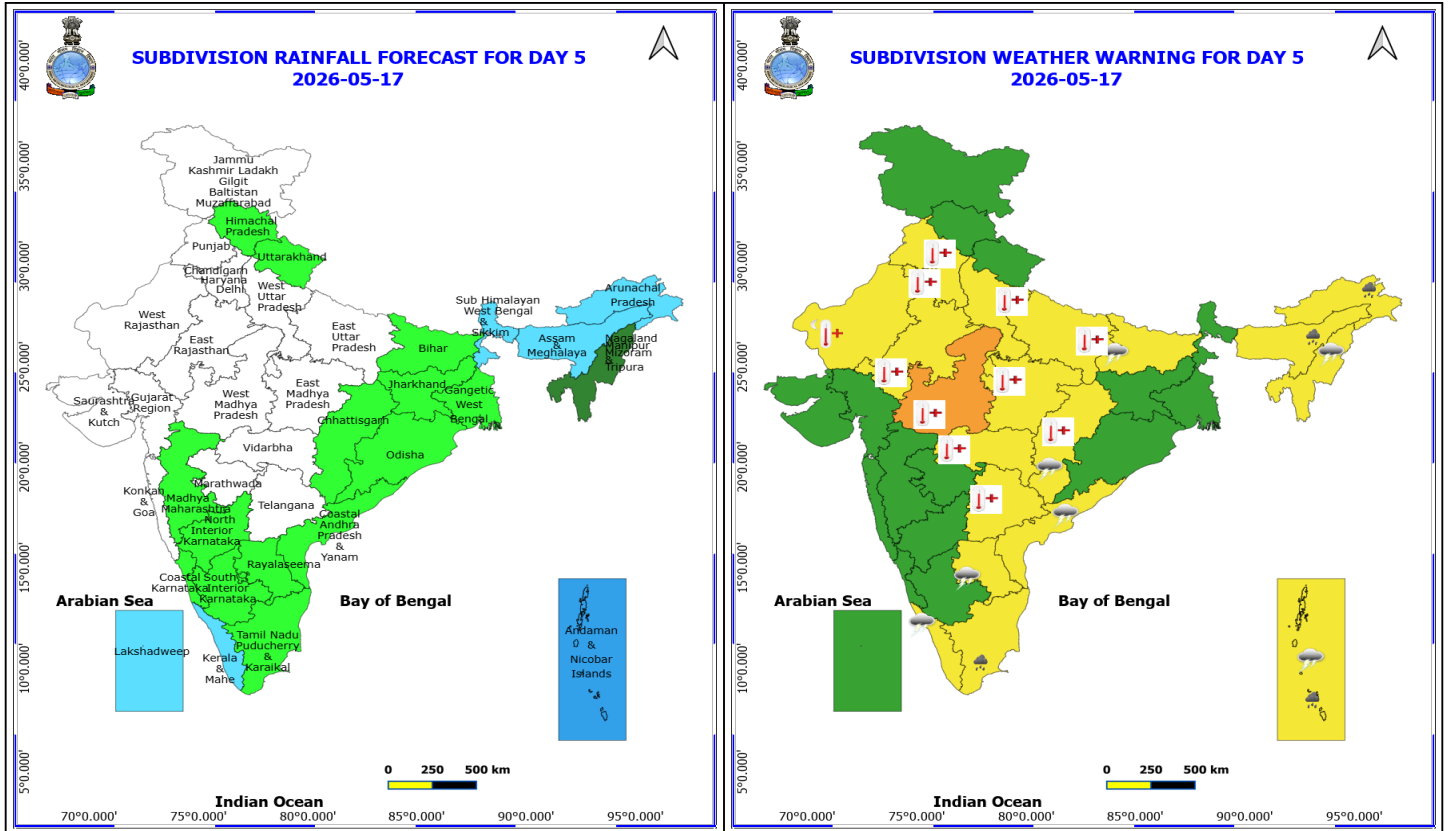
**16 May (Day 4)**

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Madhya Pradesh, East Rajasthan, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over West Madhya Pradesh.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.

❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Andaman Sea.

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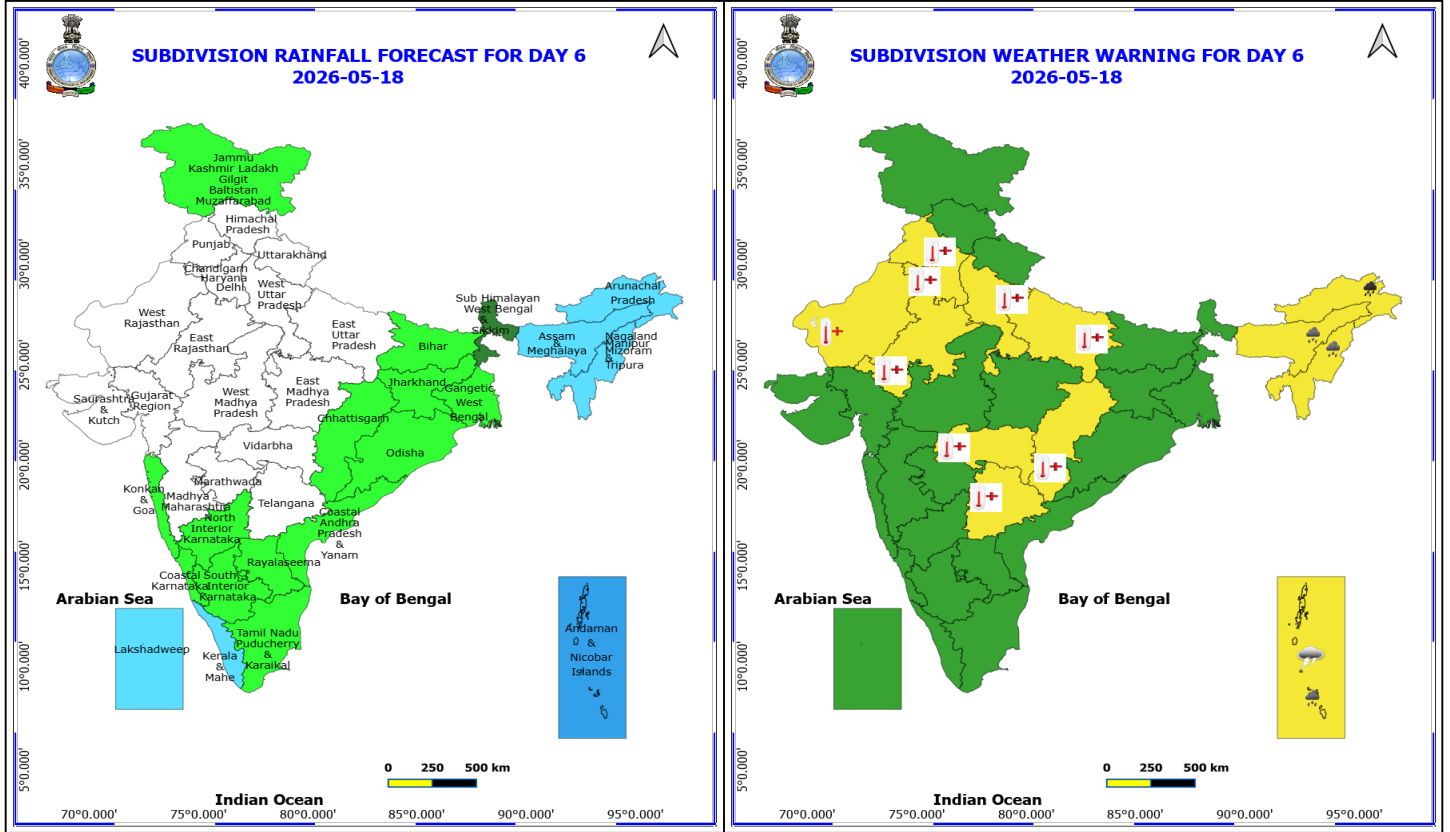


**17 May (Day 5)**

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Chhattisgarh, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jharkhand and South Interior Karnataka.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Punjab, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over West Madhya Pradesh.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Andaman Sea.

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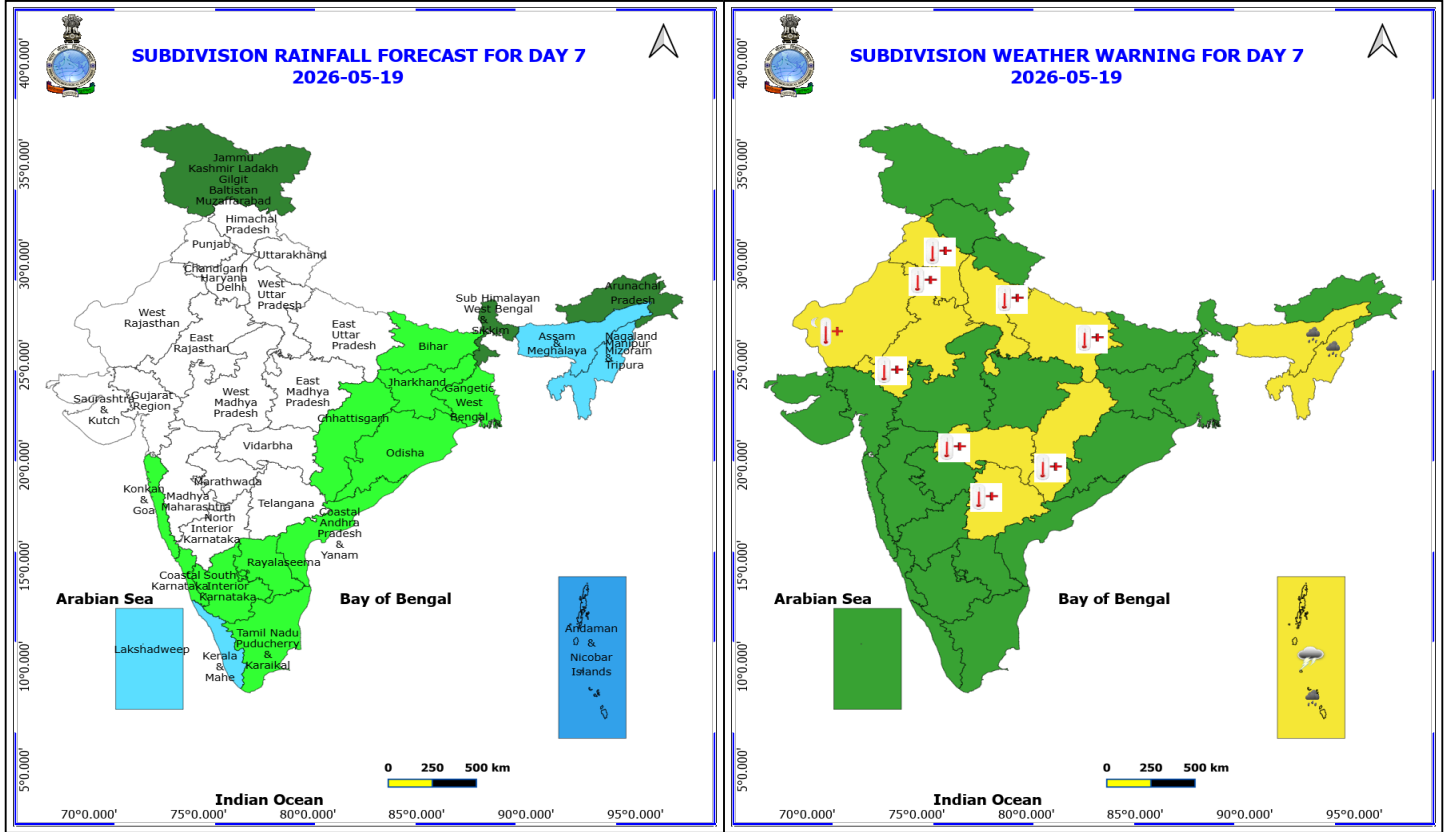
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**18 May (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Jharkhand.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Punjab, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.

**No Fishermen Warning**



**19 May (Day 7)**

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Punjab, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.

**No Fishermen Warning**

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**Table-1**

**7 Days Rainfall Forecast**

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

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Fig. 1: Maximum Temperatures Dated 2026-05-12

Fig. 2: Departure of Maximum Temp. Dated 2026-05-12

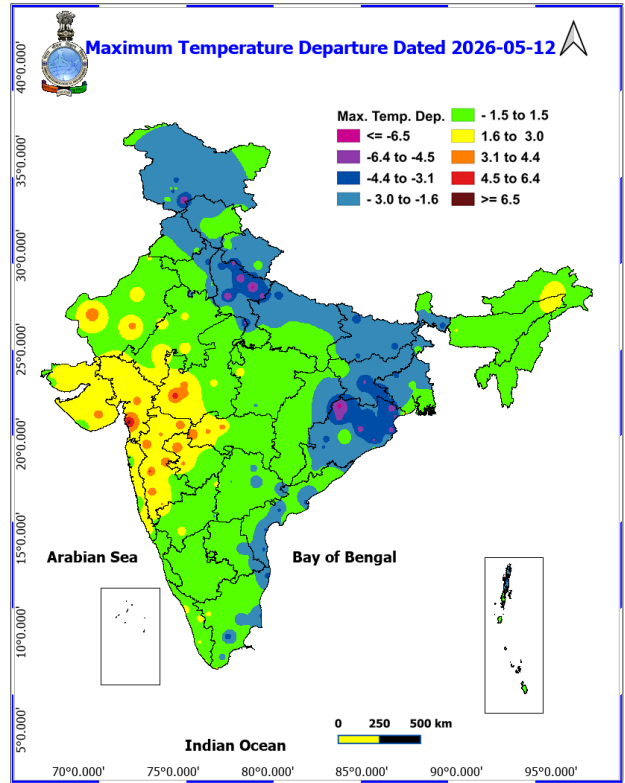
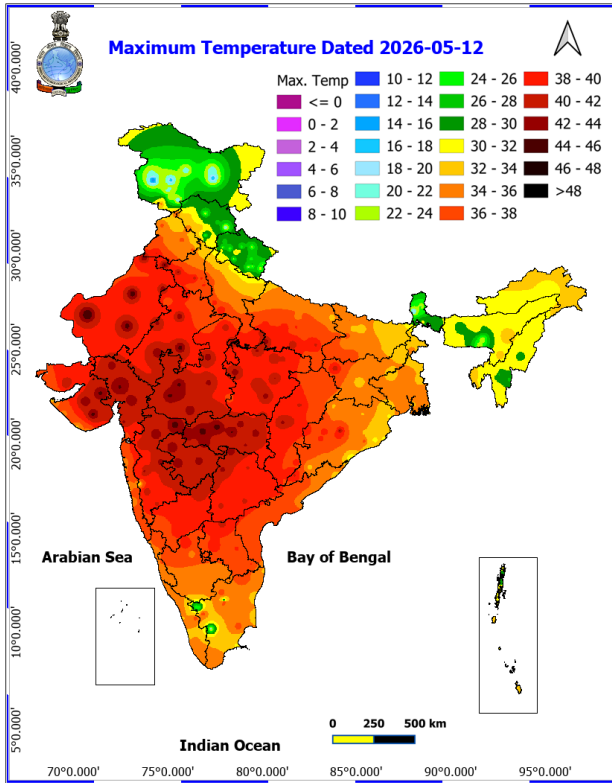
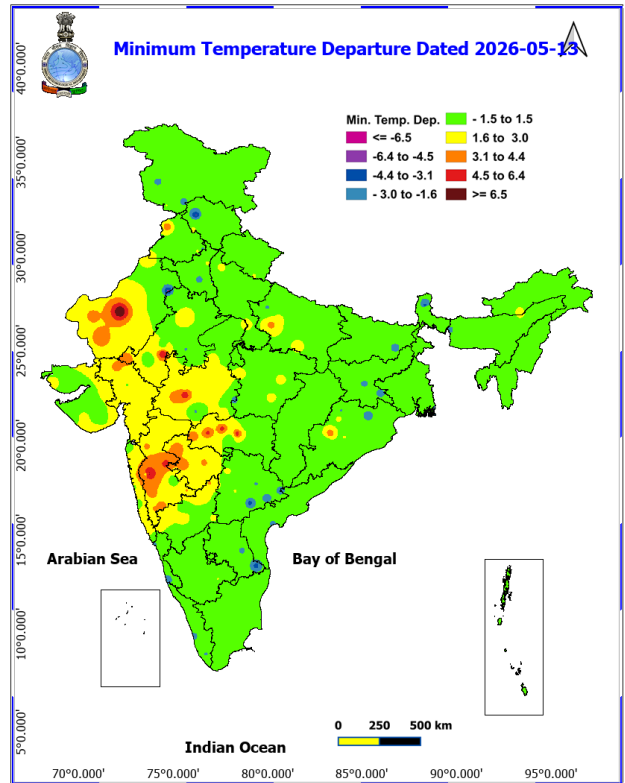
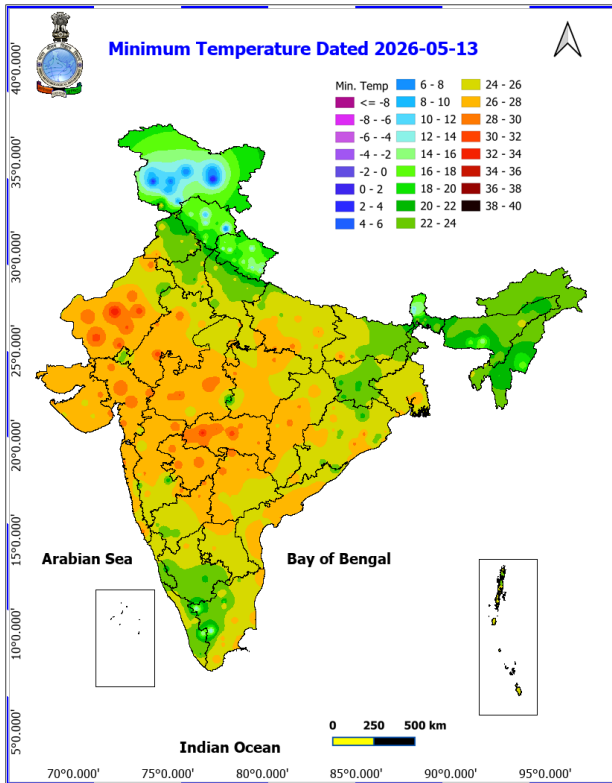
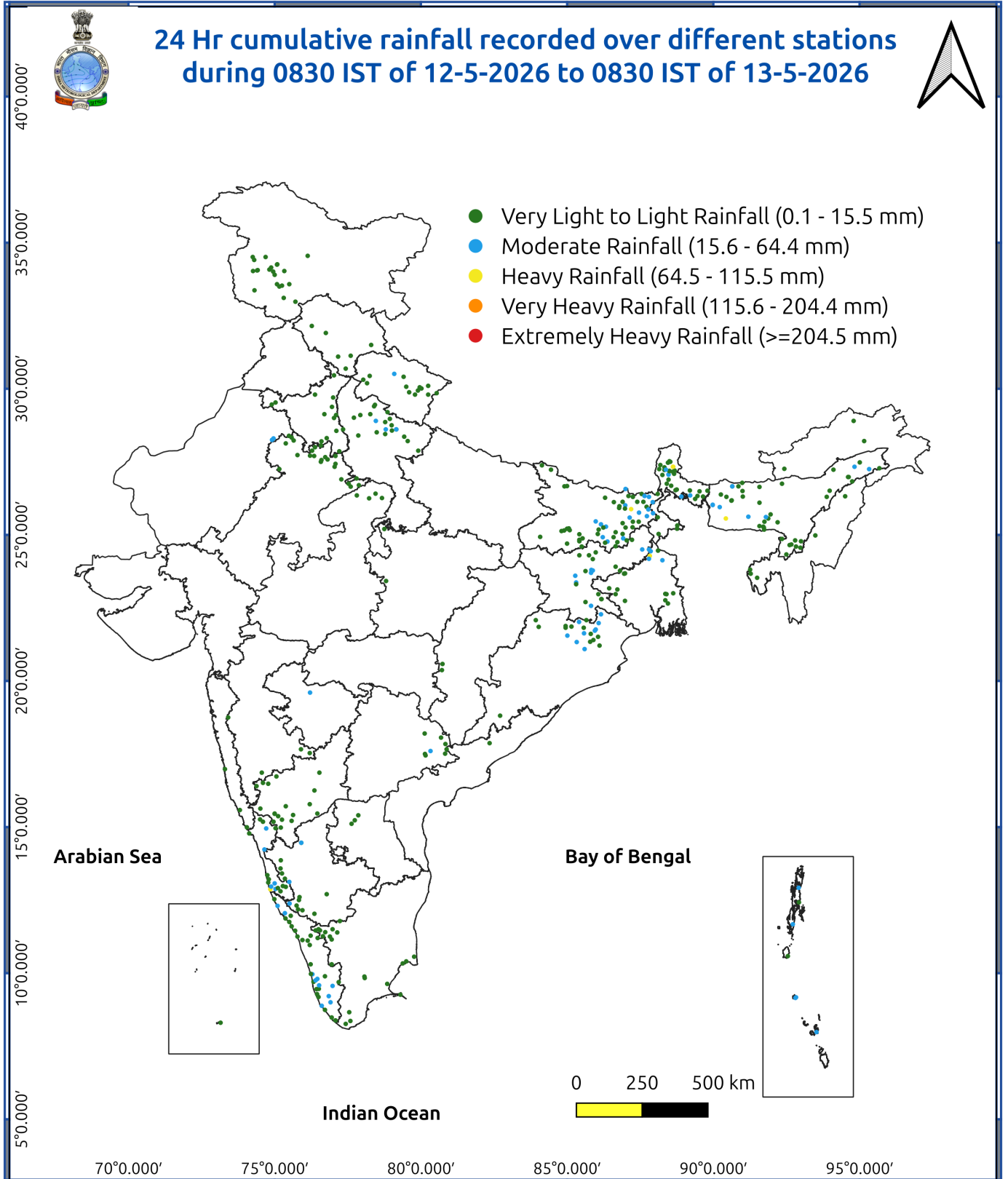


Fig. 3: Minimum Temperatures Dated 2026-05-13

Fig. 4: Departure of Minimum Temp. Dated 2026-05-13





## Impact and Actions

### Impact Expected & Action Suggested due to heavy/very heavy rainfall over

- **Isolated heavy rainfall** likely over Arunachal Pradesh on 13<sup>th</sup> & during 15<sup>th</sup>-18<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup>-19<sup>th</sup>, Nagaland, Manipur, Mizoram during 13<sup>th</sup>-15<sup>th</sup>; Tripura during 13<sup>th</sup>-15<sup>th</sup> & on 18<sup>th</sup> & 19<sup>th</sup>; Andaman & Nicobar Islands during 13<sup>th</sup>-19<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim during 14<sup>th</sup>-16<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup>-17<sup>th</sup>, Kerala & Mahe during 13<sup>th</sup>-16<sup>th</sup>; South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> May with **Isolated very heavy rainfall over** Arunachal Pradesh on 14<sup>th</sup> & 18<sup>th</sup>, Assam & Meghalaya on 13<sup>th</sup> & 14<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 13<sup>th</sup> May.

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

### Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over

- Isolated **Hailstorm activity** likely over South Interior Karnataka on 15<sup>th</sup> May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand on 14<sup>th</sup>; Bihar on 16<sup>th</sup>; North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup> May.

### 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:

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.

#### Impact expected and action suggested due to Heat wave conditions:

- **Heat wave conditions at a few places with severe heat wave conditions in isolated pockets** likely to prevail over West Rajasthan during 12<sup>th</sup> -16<sup>th</sup>; East Rajasthan, West Madhya Pradesh during 12<sup>th</sup> – 18<sup>th</sup>; Vidarbha during 12<sup>th</sup> – 16<sup>th</sup>; Konkan & Goa on 12<sup>th</sup>; Madhya Maharashtra, Gujarat State during 12<sup>th</sup> – 14<sup>th</sup>; Marathwada during 12<sup>th</sup> – 15<sup>th</sup> May with **severe heat wave conditions** in isolated pockets over West Rajasthan on 17<sup>th</sup> & 18<sup>th</sup> May.

#### Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

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

##### Agromet advisories for likely impact of Hailstorms

- In **North Interior Karnataka**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- **Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.**

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

- In **Arunachal Pradesh**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.
- In **Assam**, drain out excess rainwater to avoid water stagnation in the crop fields. Prioritise immediate

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harvesting of the mature crops and move the produce to a dry, covered warehouse during clear weather conditions. Provide mechanical support for tall crops (like banana or sugarcane) and young saplings by using bamboo sticks or poles.

- In **Meghalaya**, drain out excess rainwater from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.
- In **Sub-Himalayan West Bengal**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.
- In **Andaman & Nicobar**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Kerala**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants?
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- **Agromet advisories for likely impact of High temperatures/ Heat Waves**
- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops like bottle gourd, pumpkin, smooth gourd, ridge gourd, cucumber, bitter gourd, kachra, cucumber, and summer ladyfinger, spinach, and young fruit plants like mango, amla, pomegranate, wood apple, and plum.
- In **West Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Gujarat**, apply light and frequent irrigation to cluster bean, groundnut, green gram, black gram, and vegetables such as cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at flowering and pegging stages. In **Saurashtra and Kutch**, lightly irrigate mango orchards at suitable intervals during dry weather. Due to high temperatures, irrigate vegetable crops frequently, install 50%–75% green shade nets to protect nurseries and young plants from intense sunlight, and harvest vegetables during morning or evening hours.
- In **Maharashtra**, provide light and frequent irrigation to vegetables and orchards during morning or evening hours, with increased frequency during critical growth stages. In **Konkan**, irrigate sapota orchards every 4–5 days. Protect newly planted orchards with shade nets or palm fronds to reduce heat stress. Harvest mangoes early in the morning or late in the afternoon to avoid spongy tissue formation. In **Madhya Maharashtra, Vidarbha, and Marathwada**, irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.

#### Agromet advisories for likely impact of Thunderstorm / Gusty Winds

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

#### Livestock / Poultry / Fisheries

Keep the animals inside the shed during hailstorms/ heavy rainfall and provide them with balanced feed.

Store 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.

In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

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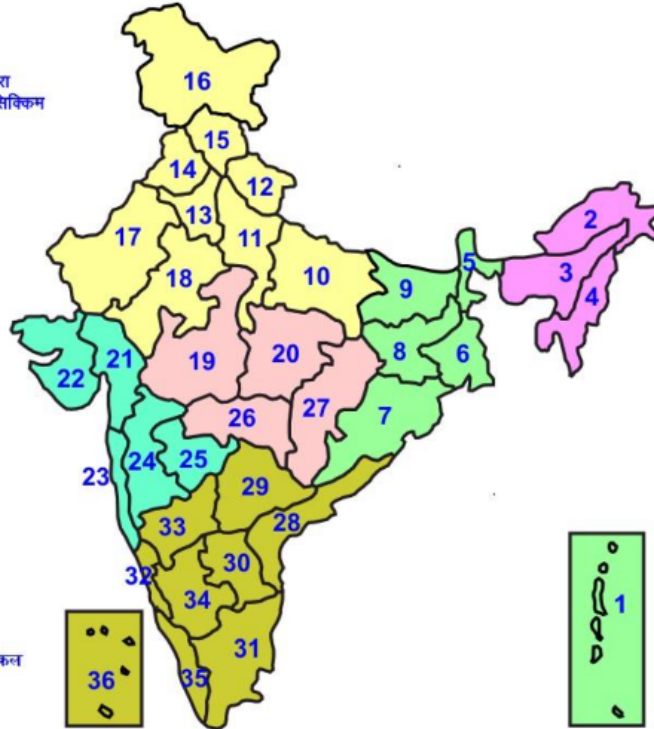
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## LEGENDS

- 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 चंडिगढ़ 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 मराठावाडा
- 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

WARNING (TAKE ACTION)
ALERT ( BE PREPARED)
WATCH (BE UPDATED)
NO WARNING ( NO ACTION)

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy: 64.5 to 115.5 mm/cm \*  
Very Heavy: 115.6 to 204.4 mm/cm\*  
Extremely Heavy: > 204.4 mm/cm \*



When maximum temperature of a station reaches  $\geq 40^{\circ}\text{C}$  for plains and  $\geq 30^{\circ}\text{C}$  for hilly regions  
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal  $4.5^{\circ}\text{C}$  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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