

2026-05-14

Time of Issue: 14:46:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- Conditions are 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 **well-marked low-pressure area** over southwest & adjoining westcentral Bay of Bengal persists over the same region at 0830 Hrs IST of today, the 14<sup>th</sup> May 2026 and the associated cyclonic circulation extending upto 5.8 km above mean sea level.

### Northwest India:

- **Isolated** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (**speed reaching 40-50 kmph**) likely over Himachal Pradesh, Uttarakhand on 14<sup>th</sup>; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad 15<sup>th</sup> & 16<sup>th</sup> May.
- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Punjab, Haryana Chandigarh, Rajasthan on 14<sup>th</sup> & 15<sup>th</sup>; Uttar Pradesh on 14<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 14<sup>th</sup>-17<sup>th</sup> May; Assam & Meghalaya during 16<sup>th</sup> – 18<sup>th</sup> May.
- **Isolated heavy rainfall** likely over Arunachal Pradesh during 14<sup>th</sup>-16<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup> – 17<sup>th</sup> and on 19<sup>th</sup> & 20<sup>th</sup>; Nagaland, Manipur, Mizoram during 17<sup>th</sup> – 20<sup>th</sup> May with **Isolated very heavy rainfall over** Assam & Meghalaya on 14<sup>th</sup> & 18<sup>th</sup> May.

### East India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightninggusty/squally winds (speed reaching 40-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 14<sup>th</sup> – 17<sup>th</sup>; Bihar during 14<sup>th</sup> – 20<sup>th</sup>; Jharkhand during 14<sup>th</sup> – 16<sup>th</sup>; Odisha during 14<sup>th</sup> & 15<sup>th</sup> May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 14<sup>th</sup>; Bihar on 16<sup>th</sup> & 20<sup>th</sup>; Jharkhand on 17<sup>th</sup> & 18<sup>th</sup>; Odisha on 14<sup>th</sup> May.
- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands on 14<sup>th</sup>, 15<sup>th</sup> & 18<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim on 14<sup>th</sup> & 15<sup>th</sup> May; with isolated **very heavy rainfall** over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 16<sup>th</sup> & 17<sup>th</sup> May.

### Central India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightninggusty winds (speed reaching 40-50 kmph)** likely over East Madhya Pradesh on 14<sup>th</sup>; Vidarbha on 14<sup>th</sup> & 15<sup>th</sup>; Chhattisgarh during 14<sup>th</sup>-17<sup>th</sup> May.

### West India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightninggusty winds (speed reaching 40-50 kmph)** likely over Konkan & Goa on 15<sup>th</sup> & 16<sup>th</sup>, Madhya Maharashtra, Marathawada during 14<sup>th</sup> – 16<sup>th</sup> May.

### South Peninsular India:

- **Scattered to fairly widespread thunderstorms, lightning & gusty winds (40-50 kmph)** likely over Kerala & Mahe, Interior Karnataka; Rayalaseema during 14<sup>th</sup> – 18<sup>th</sup>; Lakshadweep on 14<sup>th</sup> & 15<sup>th</sup>; Coastal Andhra Pradesh & Yanam during 14<sup>th</sup> – 17<sup>th</sup> May.
- **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup> - 19<sup>th</sup>, Kerala & Mahe during 14<sup>th</sup> – 17<sup>th</sup>; South Interior Karnataka during 15<sup>th</sup> - 17<sup>th</sup> May.

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- Isolated **Hailstorm activity** likely over North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup>; South Interior Karnataka on 14<sup>th</sup> May.

#### Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 3-5°C likely over Northwest India till 17<sup>th</sup> and no significant change during 18<sup>th</sup> -20<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-3°C likely over central India till 16<sup>th</sup> and no significant change on during 17 -20<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-4°C likely over East India till 16<sup>th</sup> and no significant change on during 17<sup>th</sup> -20<sup>th</sup> May
- No significant change in maximum temperatures likely over Gujarat till 14<sup>th</sup> gradual fall by 2-4°C during 15<sup>th</sup> -17<sup>th</sup> and no significant change during 18<sup>th</sup> - 20<sup>th</sup> May.
- Gradual rise in maximum temperatures by 2-3°C likely over Maharashtra till 16<sup>th</sup> and gradual fall by 2-3°C during 17<sup>th</sup> -20<sup>th</sup> May.
- No significant change in maximum temperatures likely over rest parts of the country till 20<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 17<sup>th</sup> – 19<sup>th</sup> May.
- **Heat wave conditions** in isolated pockets likely to prevail over Punjab, Haryana Chandigarh & Delhi during 16<sup>th</sup> – 20<sup>th</sup>; West Uttar Pradesh during 15<sup>th</sup> – 17<sup>th</sup>; East Uttar Pradesh during 14<sup>th</sup> – 17<sup>th</sup> and on 20<sup>th</sup>; West Rajasthan during 14<sup>th</sup> – 16<sup>th</sup> and on 20<sup>th</sup> East Rajasthan during 17<sup>th</sup> – 20<sup>th</sup>; West Madhya Pradesh, Vidarbha during 14<sup>th</sup> – 20<sup>th</sup>; East Madhya Pradesh during 15<sup>th</sup> – 20<sup>th</sup>; Chhattisgarh during 17<sup>th</sup> – 20<sup>th</sup>; Telangana during 15<sup>th</sup> -18<sup>th</sup>, Konkan & Goa on 15<sup>th</sup> & 16<sup>th</sup>, **Madhya Maharashtra, Gujarat Region** on 14<sup>th</sup>, Marathwada, Saurashtra & Kutch on 14<sup>th</sup> & 15<sup>th</sup>; **with scattered Heat wave conditions over** West Uttar Pradesh during 18<sup>th</sup> – 20<sup>th</sup>; East Uttar Pradesh on 18<sup>th</sup> & 19<sup>th</sup>; West Rajasthan during 17<sup>th</sup> -19<sup>th</sup> May.
- **Warm night conditions** likely to prevail in isolated pockets over West Madhya Pradesh on 14<sup>th</sup> & 15<sup>th</sup>, Vidarbha on 14<sup>th</sup> May; **with scattered Warm night conditions** over West Rajasthan during 17<sup>th</sup> – 19<sup>th</sup> May.

#### Fisherman Warning:

Fishermen are advised not to venture into the following areas during 14<sup>th</sup> May to 19<sup>th</sup> May, 2026:

- **Bay of Bengal:** over Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal, adjoining parts of central Bay of Bengal, over Andaman Sea on 14<sup>th</sup> May; over Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining westcentral Bay of Bengal, over Andaman Sea on 15<sup>th</sup> May; over Gulf of Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea on 16<sup>th</sup> May; over Gulf of Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea on 17<sup>th</sup> May; over many parts of southeast & adjoining parts of southwest Bay of Bengal, some parts of eastcentral Bay of Bengal, over Andaman Sea on 18<sup>th</sup> May.
- **Arabian Sea:** Along and off Keralam coast, over Lakshadweep area on 14<sup>th</sup> & 15<sup>th</sup> May; along and off south Somalia coast from 14<sup>th</sup> -17<sup>th</sup> May.

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**Main Weather Observations:**

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands and Sub Himalayan West Bengal & Sikkim; **at many places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal and Odisha; **at a few places** over Arunachal Pradesh, Jharkhand, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, North Interior Karnataka, Kerala & Mahe and Lakshadweep; **at isolated places** over East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, West Rajasthan, East Rajasthan, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Telangana, Tamil Nadu, Puducherry & Karaikal, Coastal 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): **Sub Himalayan West Bengal & Sikkim:** Amfu Majhian (dist South Dinajpur) 12; Mangan (dist Mangan) 8; Balurghat (dist South Dinajpur) 7; Singhik (dist Mangan) 6; Oodlabari Tea Estate (dist Jalpaiguri) 5; **Odisha:** Banki (dist Cuttack) 10; Kolabira (dist Jharsuguda), Tigiria (dist Cuttack), Banspal (dist Keonjhar) 5 Each; **Assam & Meghalaya:** Williamnagar (dist East Garo Hills) 7; Bhaghmara (dist South Garo Hills) 5; **North Interior Karnataka:** Annigere Ars (dist Dharwad) 6; Gokak (dist Belagavi) 5; **Gangetic West Bengal:** Amtala (dist Murshidabad) 6; Gheropara (dist Birbhum) 5; **Madhya Maharashtra:** Khutbav Daund AWS (dist Pune) 5.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy to very heavy rain** at isolated places over Sub Himalayan West Bengal & Sikkim. **Heavy rain** at isolated places over Assam & Meghalaya and Odisha.

❖ **Minimum Temperature Departures (as on 14-05-2026):** **markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Bihar, West Uttar Pradesh, West Rajasthan, East Rajasthan, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at few places over Madhya Maharashtra and Vidarbha; at isolated places over Gujarat Region, Marathwada, Coastal Andhra Pradesh & Yanam and Rayalaseema. **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Konkan & Goa, South Interior Karnataka and Kerala & Mahe; at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, East Uttar Pradesh, Himachal Pradesh, Telangana and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand and Uttarakhand; at most places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim and Coastal Karnataka; at few places over Odisha, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Chhattisgarh. **The lowest minimum temperature** of 19.2°C was reported at RANCHI (JHARKHAND) over the Plains of India.

❖ **Maximum Temperature Departures (as on 13-05-2026):** **markedly above normal(> 5.1°C)** at most places over West Madhya Pradesh; at few places over East Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at most places over Himachal Pradesh and West Rajasthan; at few places over West Uttar Pradesh. **above normal(1.6°C to 3.0°C)** at most places over Konkan & Goa; at few places over East Uttar Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Kerala & Mahe; at most places over Rayalaseema, North Interior Karnataka and South Interior Karnataka. **The highest maximum temperature** of 46.1°C was reported at Jaisalmer (RAJASTHAN).

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

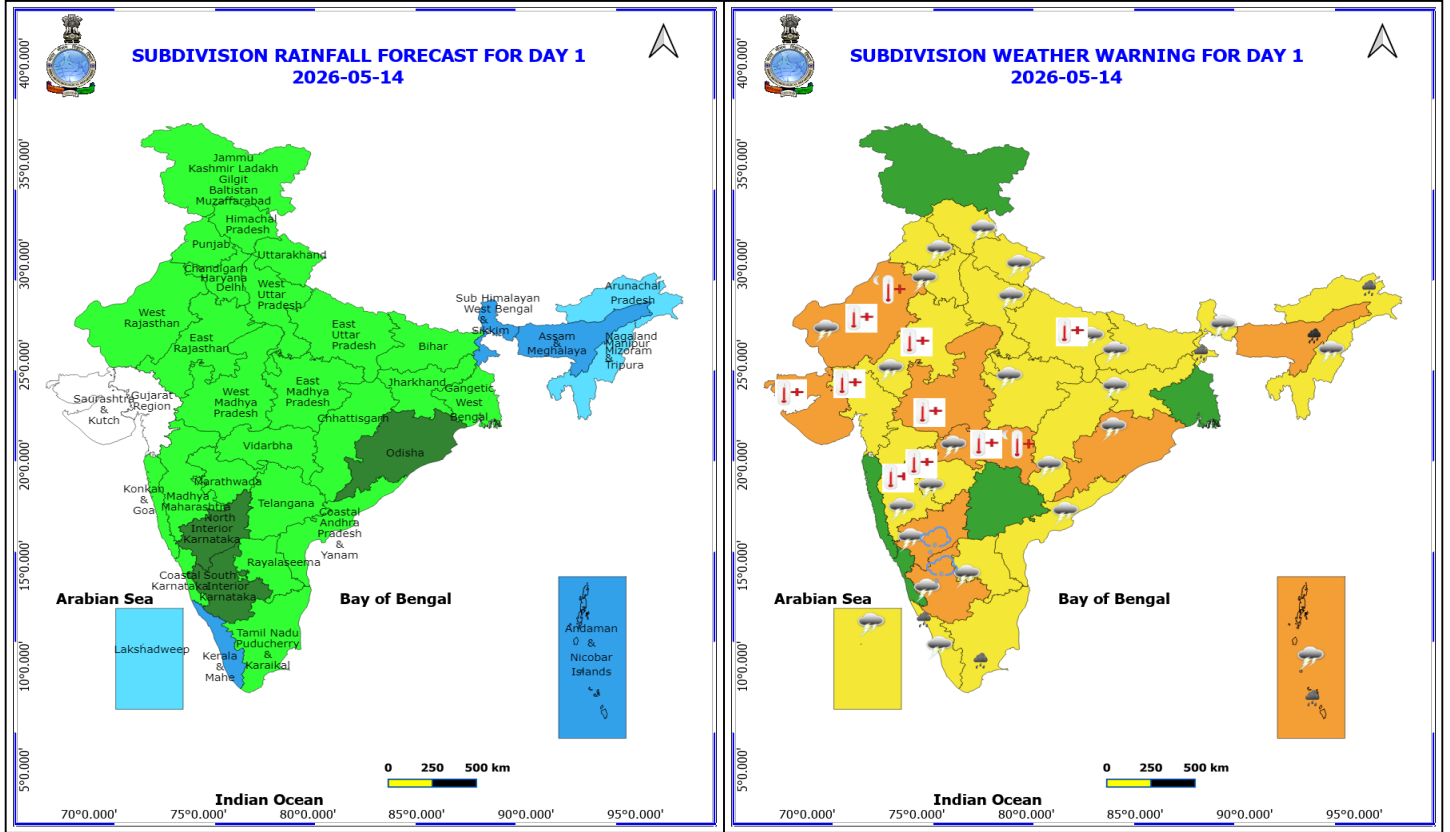
- Conditions are favourable for the advance of **southwest monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands around 16<sup>th</sup> May, 2026.
- The **well-marked low-pressure area** over southwest & adjoining westcentral Bay of Bengal persists over the same region at 0830 Hrs IST of today, the 14<sup>th</sup> May 2026 and the associated cyclonic circulation extending upto 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over northwest Uttar Pradesh & adjoining Uttarakhand now lies over west Uttar Pradesh & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over east Uttar Pradesh & neighbourhood at 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over southwest Rajasthan & adjoining Pakistan at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Southwest Madhya Pradesh & neighbourhood now lies over southeast Madhya Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- The east-west **trough** now runs from the upper air cyclonic circulation over southeast Madhya Pradesh to Sub-Himalayan West Bengal & Sikkim across southeast Uttar Pradesh and Bihar at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over east Bangladesh & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over North Interior Karnataka & neighbourhood at 0.9 km above mean sea level.
- A fresh feeble **Western Disturbance** is likely to affect Northwest India from 15<sup>th</sup> May 2026.
- The **Western Disturbance** as an **upper air cyclonic circulation** over Ladakh & neighbourhood at 3.1 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over south Haryana & neighbourhood at 0.9 km above mean sea level has become less marked.
- The **trough** in westerly roughly along Long. 92°E to the north of Lat. 21°N at 3.1 km above mean sea level has become less marked.
- The north-south **trough** from Southwest Madhya Pradesh to South Interior Karnataka across Madhya Maharashtra, North Interior Karnataka upto 1.5 km above mean sea level has become less marked.

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**14 May (Day 1)**

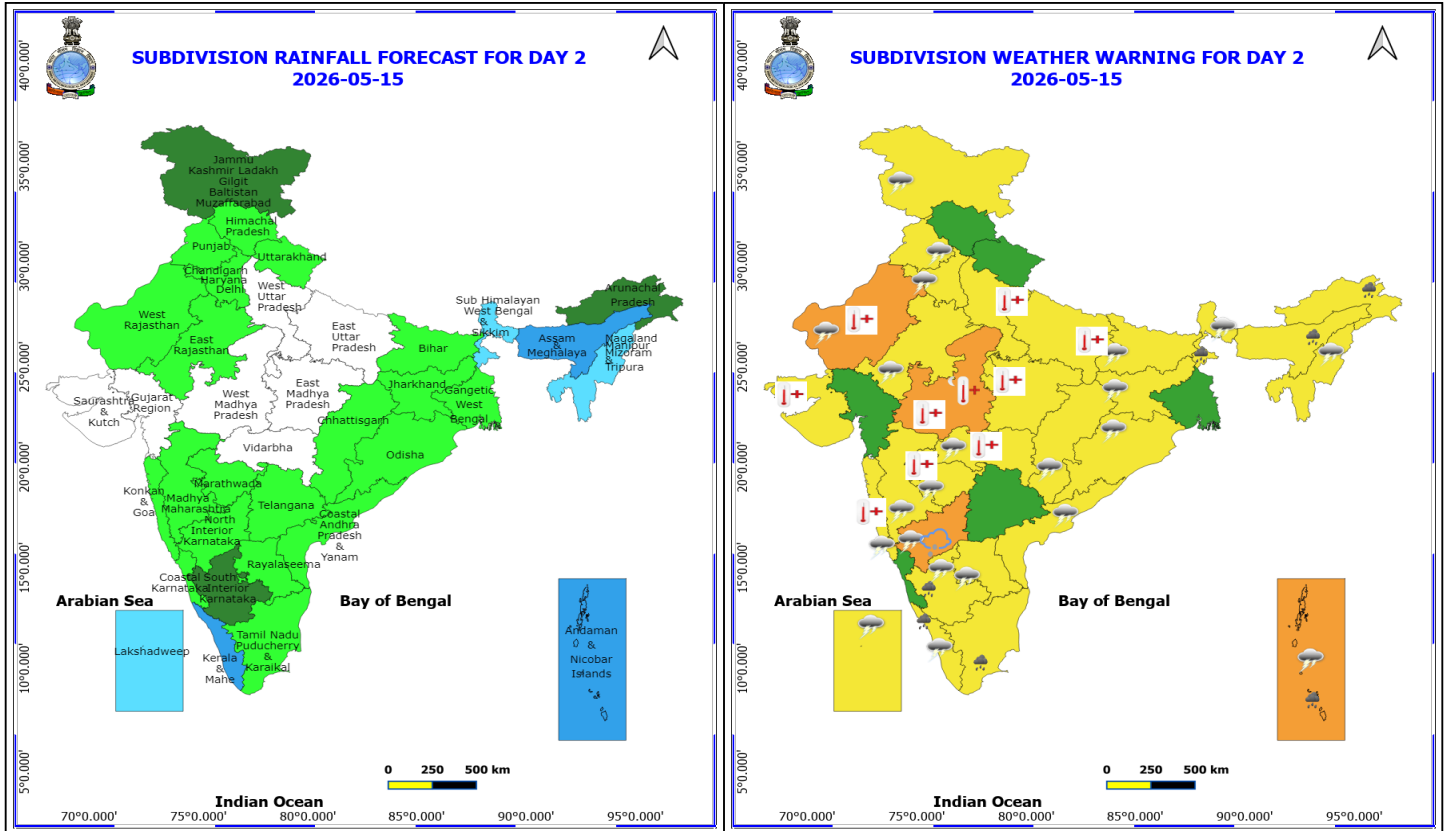
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Kerala & Mahe, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm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

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❖ **Arabian Sea:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Keralam coast, over Lakshadweep area. Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south Somalia coast.

❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal, adjoining parts of central Bay of Bengal, over Andaman Sea.



**15 May (Day 2)**

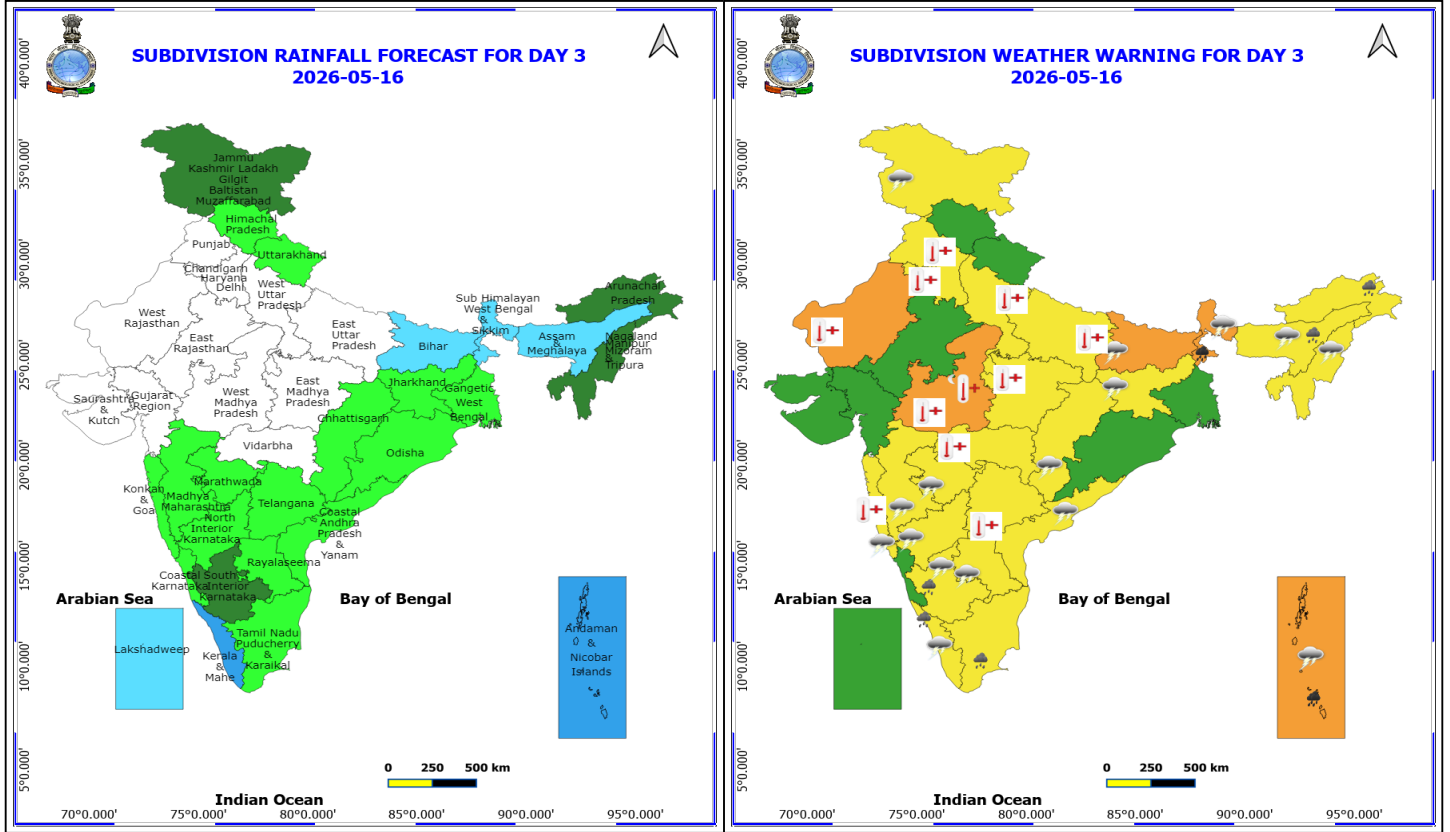
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over North Interior Karnataka.
- ❖ **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 Andhra Pradesh, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Lakshadweep, Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Coastal Karnataka, Gangetic West Bengal, Himachal Pradesh, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** very likely at isolated places over Konkan & Goa, Madhya Pradesh, Marathwada, Saurashtra & Kutch, Uttar Pradesh, Vidarbha and West Rajasthan.
- ❖ **Warm Night conditions** very likely at isolated places over West Madhya Pradesh.
- ❖ **Arabian Sea:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off

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Keralam coast, over Lakshadweep area. Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south Somalia coast.

❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining westcentral Bay of Bengal, over Andaman Sea.



**16 May (Day 3)**

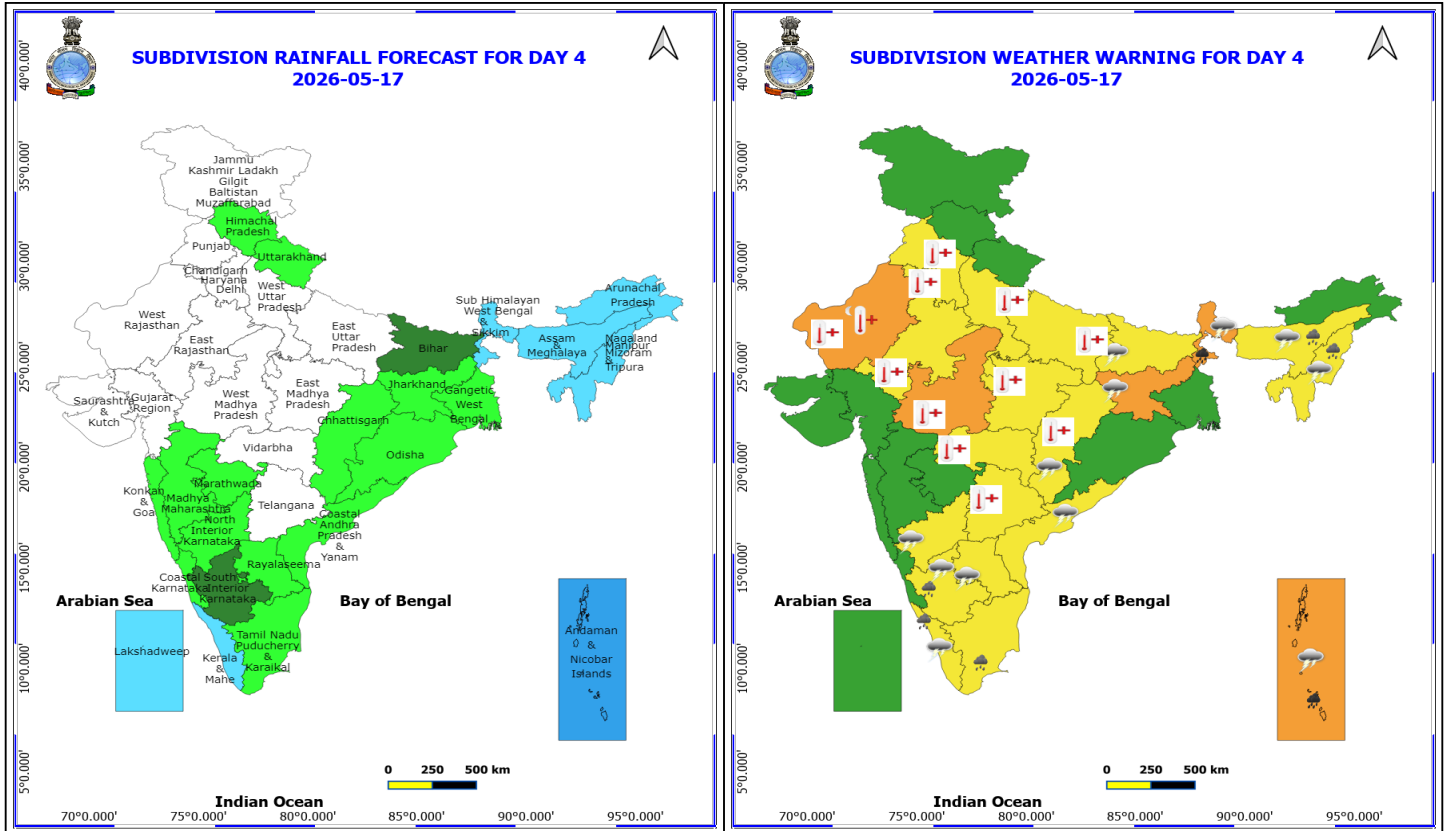
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands and Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Gangetic West Bengal, Himachal Pradesh, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Konkan & Goa, Madhya Pradesh, Punjab, Telangana, Uttar Pradesh, Vidarbha and West Rajasthan.
- ❖ **Warm Night conditions** very likely at isolated places over West Madhya Pradesh.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south

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Somalia coast.

❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea.



**17 May (Day 4)**

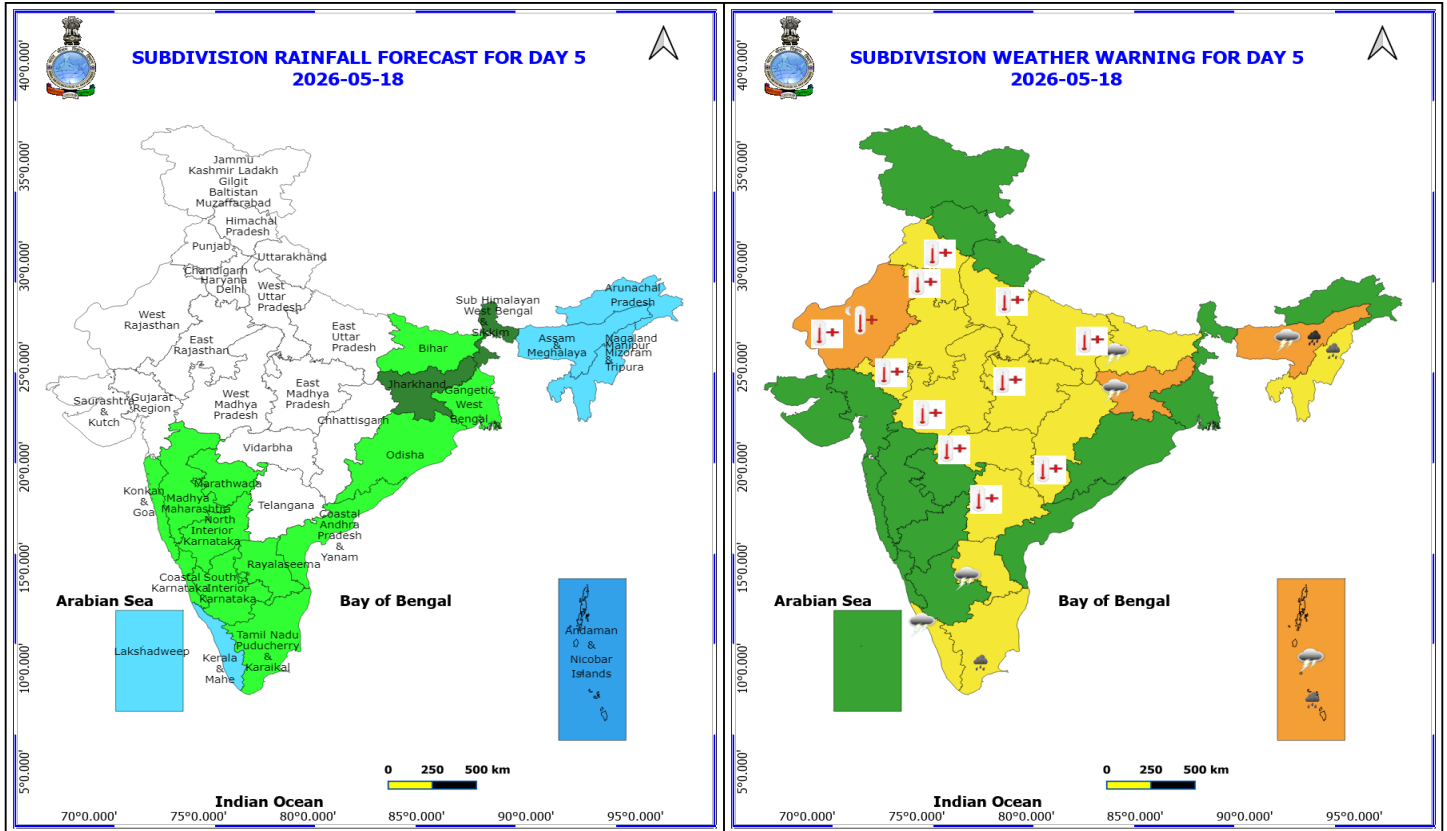
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu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

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Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea.



**18 May (Day 5)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Andaman & Nicobar Islands and Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Bihar, Kerala & Mahe and Rayalaseema.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Arunachal Pradesh, Interior Karnataka, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over West Rajasthan.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over many parts of southeast & adjoining parts of southwest Bay of Bengal, some parts of eastcentral Bay of Bengal, over

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

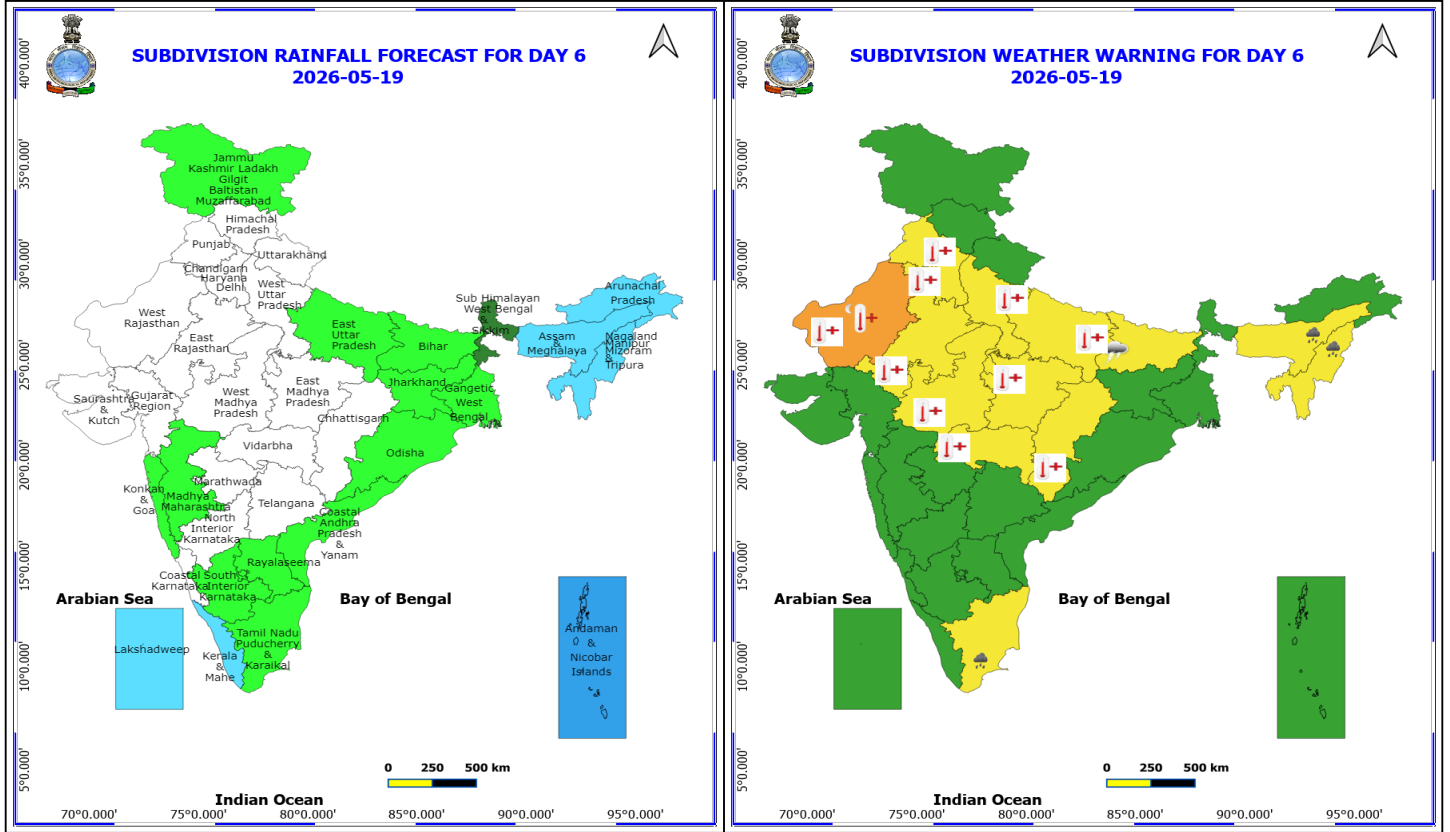
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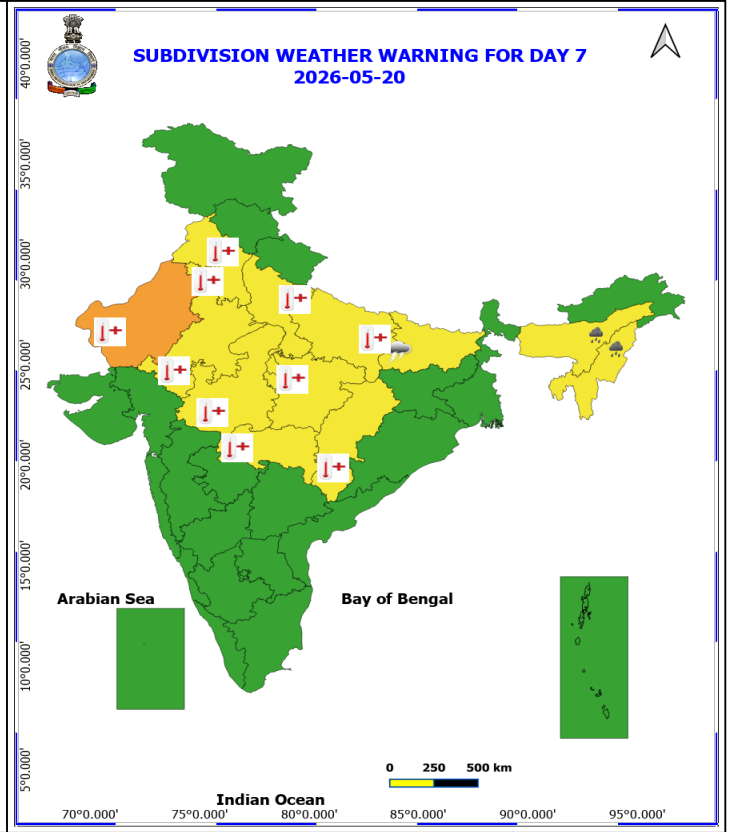
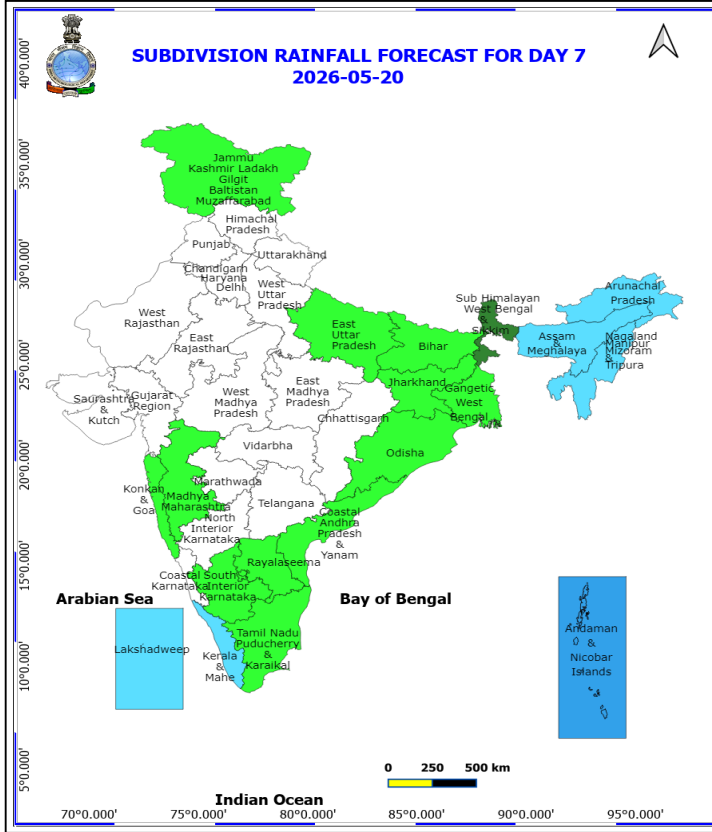
Andaman Sea.



**19 May (Day 6)**

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Uttar Pradesh and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over West Rajasthan.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.

**No Fishermen Warning**



**20 May (Day 7)**

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh and Vidarbha.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

S.No.	Subdivision	14- May	15- May	16- May	17- May	18- May	19- May	20- 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	FWS	SCT	SCT	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	WS	WS	FWS	FWS	FWS	FWS	FWS
4	N. M. M. & T.	FWS	FWS	SCT	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	WS	FWS	FWS	FWS	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
9	BIHAR	ISOL	ISOL	FWS	SCT	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	ISOL	DRY	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	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	ISOL	SCT	SCT	DRY	DRY	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
26	VIDARBHA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
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	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
35	KERALA	WS	WS	WS	FWS	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 2026-05-13

Fig. 2: Departure of Maximum Temp. Dated 2026-05-13

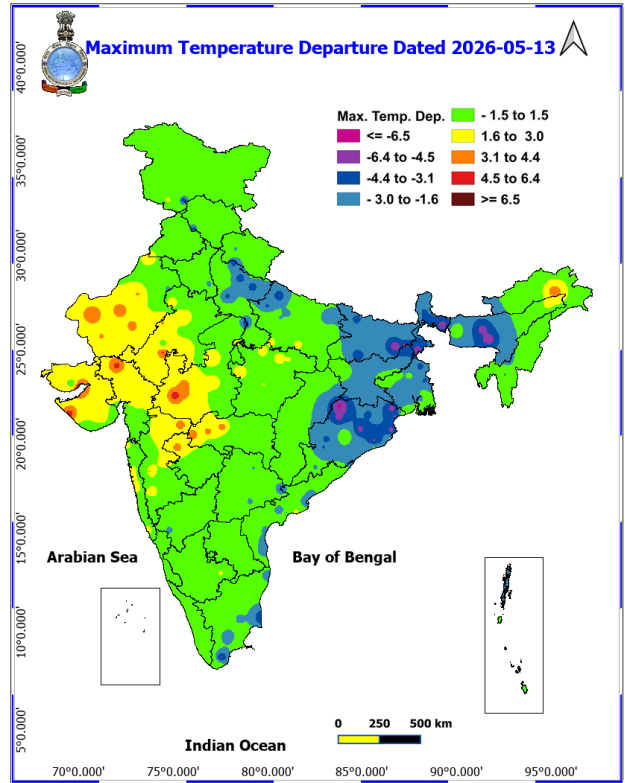
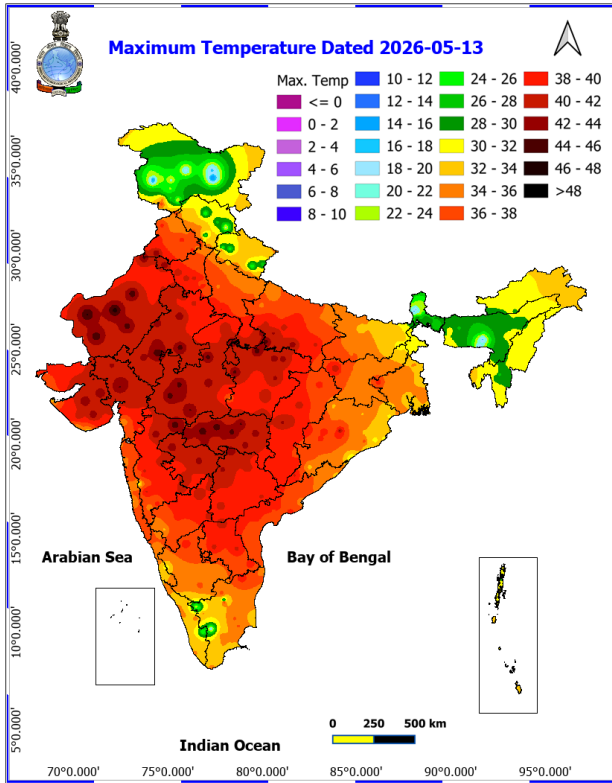
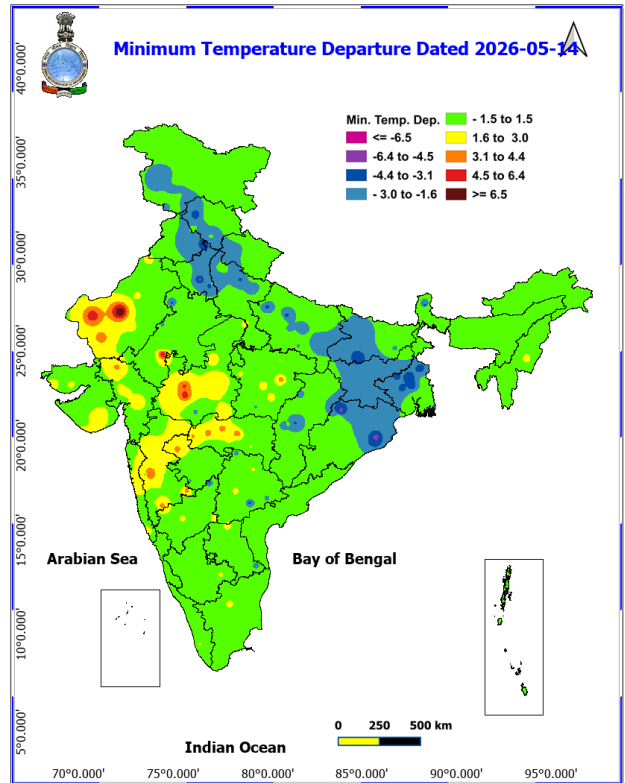
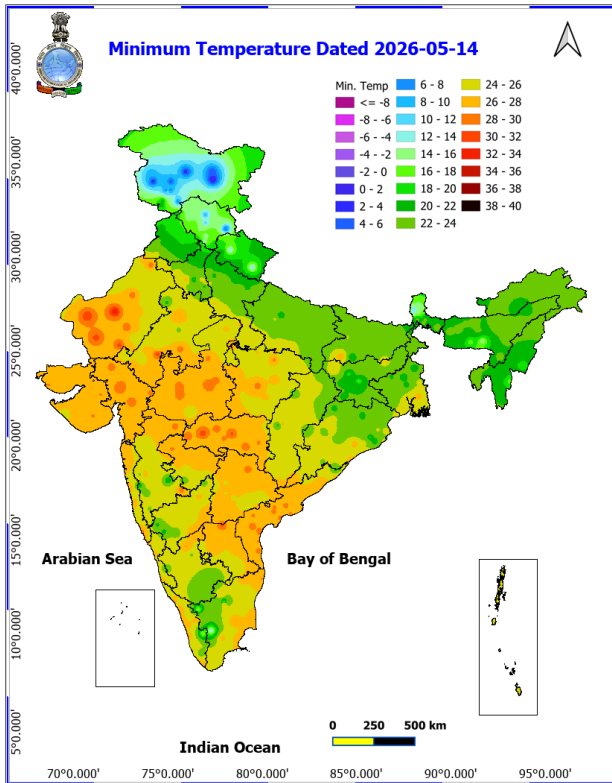


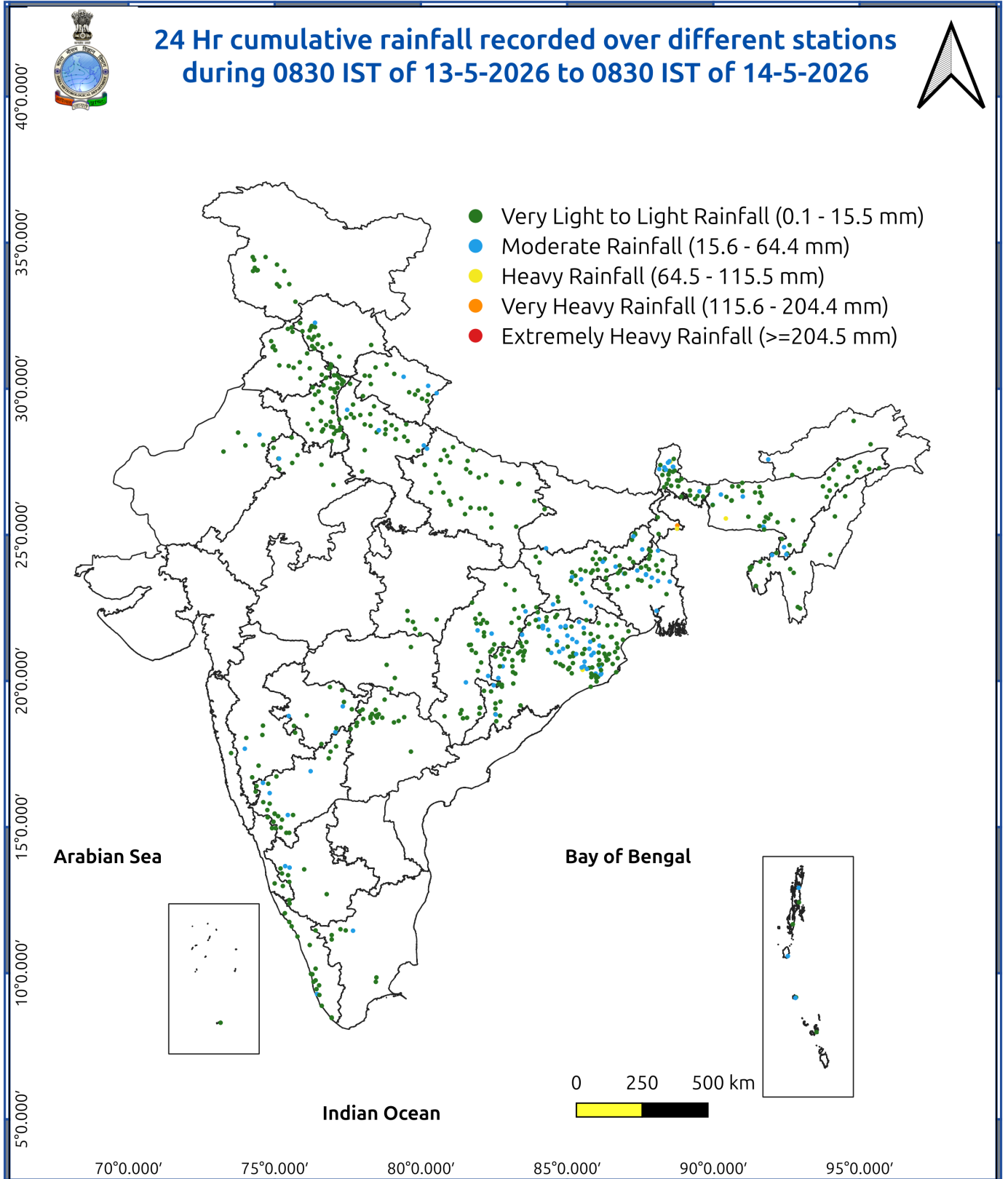
Fig. 3: Minimum Temperatures Dated 2026-05-14

Fig. 4: Departure of Minimum Temp. Dated 2026-05-14



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## Impact and Actions

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

- **Isolated heavy rainfall** likely over Arunachal Pradesh during 14<sup>th</sup>-16<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup> – 17<sup>th</sup> and on 19<sup>th</sup> & 20<sup>th</sup>; Nagaland, Manipur, Mizoram during 17<sup>th</sup> –20<sup>th</sup>, Andaman & Nicobar Islands on 14<sup>th</sup> , 15<sup>th</sup> & 18<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim on 14<sup>th</sup> & 15<sup>th</sup>. Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup> - 19<sup>th</sup>, Kerala & Mahe during 14<sup>th</sup> – 17<sup>th</sup>; South Interior Karnataka during 15<sup>th</sup> - 17<sup>th</sup> May with Isolated very heavy rainfall over Assam & Meghalaya on 14<sup>th</sup> & 18<sup>th</sup> , Andaman & Nicobar Islands ,Sub-Himalayan West Bengal & Sikkim on 16<sup>th</sup> & 17<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

- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 14<sup>th</sup>; Bihar on 16<sup>th</sup> & 20<sup>th</sup> ; Jharkhand on 17<sup>th</sup> & 18<sup>th</sup>, Odisha on 14<sup>th</sup> May.
- Isolated **Hailstorm activity** likely over North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup>; South Interior Karnataka on 14<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.

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- 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 many places with severe heat wave conditions in isolated pockets likely to prevail over West Rajasthan during 17<sup>th</sup> – 19<sup>th</sup> May.
- **Heat wave conditions** in isolated pockets likely to prevail over Punjab, Haryana Chandigarh & Delhi during 16<sup>th</sup> – 20<sup>th</sup>; West Uttar Pradesh during 15<sup>th</sup> – 17<sup>th</sup>; East Uttar Pradesh during 14<sup>th</sup> – 17<sup>th</sup> and on 20<sup>th</sup>; West Rajasthan during 14<sup>th</sup> – 16<sup>th</sup> and on 20<sup>th</sup> East Rajasthan during 17<sup>th</sup> – 20<sup>th</sup>; West Madhya Pradesh, Vidarbha during 14<sup>th</sup> – 20<sup>th</sup>; East Madhya Pradesh during 15<sup>th</sup> – 20<sup>th</sup>; Chhattisgarh during 17<sup>th</sup> – 20<sup>th</sup>; Telangana during 15<sup>th</sup> -18<sup>th</sup>, Konkan & Goa on 15<sup>th</sup> & 16<sup>th</sup>, Madhya Maharashtra, Gujarat Region on 14<sup>th</sup>, Marathawada, Saurashtra & Kutch on 14<sup>th</sup> & 15<sup>th</sup>; with scattered Heat wave conditions over West Uttar Pradesh during 18<sup>th</sup> – 20<sup>th</sup>; East Uttar Pradesh on 18<sup>th</sup> & 19<sup>th</sup>; West Rajasthan during 17<sup>th</sup> -19<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 **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 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.

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- 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 **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

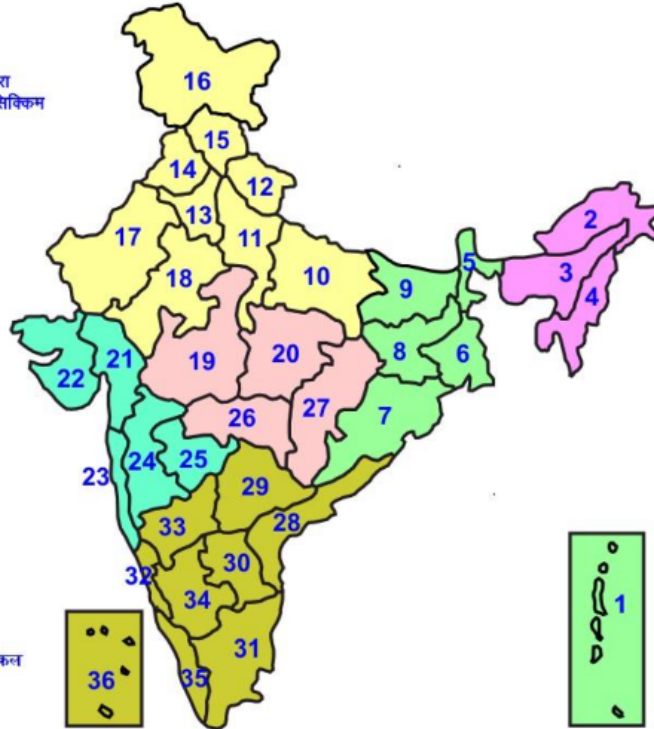
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

## 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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