

2026-05-16

Time of Issue: 08:00:00 hours IST  
(Morning)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of  $\pm 4$  days.
- Conditions are favourable for the advance of **Southwest Monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands on today, the 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 0530 Hrs IST of today, the 16<sup>th</sup> May 2026 and the associated cyclonic circulation extends upto 5.8 km above mean sea level tilting southwestwards with height.

### Northwest India:

**Isolated** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (**speed reaching 40-50 kmph**) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand on 16<sup>th</sup> May.

**Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over East Rajasthan on 16<sup>th</sup> May.

### Northeast India:

**Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura during 16<sup>th</sup>-17<sup>th</sup> May

**Isolated heavy rainfall** likely over Arunachal Pradesh during 16<sup>th</sup>-17<sup>th</sup> and on 20<sup>th</sup> & 21<sup>st</sup>, Assam & Meghalaya during 16<sup>th</sup> - 21<sup>st</sup>; Nagaland, Manipur, Mizoram on 20<sup>th</sup> & 21<sup>st</sup> May.

### East India:

**Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty/squally winds (speed reaching 40-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 16<sup>th</sup> - 19<sup>th</sup>; Bihar, Jharkhand, Andaman & Nicobar Islands during 16<sup>th</sup> - 21<sup>st</sup>; Gangetic West Bengal on 16<sup>th</sup>; Odisha during 16<sup>th</sup> - 19<sup>th</sup> May.

**Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 16<sup>th</sup> - 18<sup>th</sup>; Bihar on 16<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup>; Jharkhand on 17<sup>th</sup> & 18<sup>th</sup> May.

**Isolated heavy rainfall** likely over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during 16<sup>th</sup> - 18<sup>th</sup> May; **with isolated very heavy rainfall over Andaman & Nicobar Islands on 16<sup>th</sup> & 17<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 17<sup>th</sup> May.**

### Central India:

**Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Chhattisgarh during 16<sup>th</sup>-17<sup>th</sup> May.

### West India:

**Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Konkan & Goa during 16<sup>th</sup> - 17<sup>th</sup>, Madhya Maharashtra, Marathwada during 16<sup>th</sup> - 18<sup>th</sup> May.

### South Peninsular India:

**Scattered to fairly widespread thunderstorms, lightning & gusty winds (40-50 kmph)** likely over Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka during 16<sup>th</sup> - 19<sup>th</sup>; Lakshadweep on 16<sup>th</sup> May.

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**Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 16<sup>th</sup> - 17<sup>th</sup>, Kerala & Mahe on 16<sup>th</sup> & 17<sup>th</sup>; South Interior Karnataka during 16<sup>th</sup> - 18<sup>th</sup> May.

**Forecast of maximum/day temperatures:**

Gradual rise in maximum temperatures by 4-6°C likely over Western Himalayan region India till 21<sup>st</sup> May.

Gradual rise in maximum temperatures by 2-4°C likely over plains of Northwest India till 18<sup>th</sup> and no significant change during 19<sup>th</sup> -21<sup>st</sup> May

No significant change in maximum temperatures likely over central India till 17<sup>th</sup>, Gradual rise by 2-3 °C on 18<sup>th</sup> & 19<sup>th</sup> and no significant change on 20<sup>th</sup> & 21<sup>st</sup> May.

Gradual rise in maximum temperatures by 2-3°C likely over East India till 17<sup>th</sup> and no significant change during 18<sup>th</sup> -21<sup>st</sup> May

gradual fall in maximum temperatures by 2-3 °C likely over Gujarat till 16<sup>th</sup> and no significant change during 17<sup>th</sup> -21<sup>st</sup> May

No significant change in maximum temperatures likely over Maharashtra till 18<sup>th</sup> and gradual fall by 2-3°C during 19<sup>th</sup> -21<sup>st</sup> May.

No significant change in maximum temperatures likely over rest parts of the country till 21<sup>st</sup> May 2026.

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

**Heat wave conditions** in isolated pockets likely to prevail over West Rajasthan during 16<sup>th</sup> -21<sup>st</sup> with **severe heat wave conditions** in isolated pockets during 18<sup>th</sup> - 21<sup>st</sup> May.

**Heat wave conditions** in isolated/ some pockets likely to prevail over Uttar Pradesh during 16<sup>th</sup> -21<sup>st</sup> with **severe heat wave conditions** in some pockets during 18<sup>th</sup> & 19<sup>th</sup> May.

**Heat wave conditions** in isolated pockets likely to prevail over Punjab, Haryana Chandigarh & Delhi during 17<sup>th</sup> – 21<sup>th</sup>; East Rajasthan during 16<sup>th</sup> – 21<sup>st</sup>; Madhya Pradesh & Vidarbha during 16<sup>th</sup> – 21<sup>st</sup>; Chhattisgarh during 18<sup>th</sup> – 21<sup>st</sup>; Jharkhand during 16<sup>th</sup> – 18<sup>th</sup>; Madhya Maharashtra, Marathawada.

**Hot and humid condition** very likely to prevail in isolated pocket over Konkan & Goa on 16<sup>th</sup> May.

**Warm night conditions** likely to prevail in isolated pockets over Madhya Pradesh and Vidarbha on 16<sup>th</sup> May.

**Main Weather Observations:**

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Assam & Meghalaya, Tamilnadu Puducherry & Karaikal, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Gangetic West Bengal, Arunachal Pradesh and Kerala & Mahe; **at many places** over East Madhya Pradesh, Bihar, Vidarbha, Chhattisgarh, Jammu & Kashmir and Ladakh and Lakshadweep ; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Tamilnadu Puducherry & Karaikal:** Pondicherry (dist Puducherry) 7, Karaikal (dist Karaikal), Cuddalore (dist Cuddalore) 2 Each, Kanyakumari (dist Kanyakumari), Nagapattinam (dist Nagapattinam), Adiramapatinam (dist Thanjavur) 1 Each; **Assam & Meghalaya:** Silchar (dist Cachar) 7, Dhubri (dist Dhubri), Cherrapunji (dist East Khasi Hills) 2 Each, Dibrugarh (dist Dibrugarh), Guwahati (dist Kamrup Metropolitan), Shillong (dist East Khasi Hills) 1 Each; **Chhattisgarh:** Raipur-lalpur (dist Raipur), Pendra Road (dist Gaurella-pendra-marwahi) 3 Each, Ambikapur (dist Surguja) 1; **Jharkhand:** Jamshedpur AP (dist East Singhbhum) 2; **Gangetic West Bengal:** Kolkata-alipur (dist Kolkata) 2, Kolkata (dum Dum) AP (dist North 24 Parganas), Haldia (dist Purba Medinipur) 1 Each; **Arunachal Pradesh:** Pasighat (dist East Siang) 1; Jammu & Kashmir And Ladakh: Pahalgam (dist Anantnag) 1; **Lakshadweep** : Minicoy (dist Lakshadweep) 1; **Nagaland, Manipur, Mizoram & Tripura:** Agartala AP (dist West Tripura), Imphal (tulihal) AP (dist Imphal East) 1 Each; **Kerala & Mahe:** Cannanore (kannur) (dist Kannur) 1.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today):**Heavy rain** at isolated places over Assam & Meghalaya and Tamilnadu Puducherry & Karaikal

❖ **Heat Wave to Severe Heat Wave conditions (from 0830 hours IST of yesterday to 0530 hours IST of today)** prevailed in a few places over Vidarbha & heat wave conditions prevailed in isolated places over West Madhya Pradesh.

❖ **Minimum Temperature Departures (as on 15-05-2026): markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Bihar, Himachal Pradesh, Saurashtra & Kutch, Madhya Maharashtra and Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at few places over Vidarbha; at isolated places over Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Madhya Maharashtra, Chhattisgarh, Rayalaseema and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Marathwada, Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Assam & Meghalaya, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal; at most places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, West Rajasthan, Konkan & Goa, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, Marathwada, Vidarbha, Chhattisgarh, Telangana, Rayalaseema, Coastal Karnataka and Lakshadweep; at isolated places over Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh and Madhya Maharashtra. **The lowest minimum temperature** of 17.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-05-2026): markedly above normal(> 5.1°C)** at isolated places over West Madhya Pradesh and East Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Gangetic West Bengal, Bihar, Himachal Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra and Vidarbha. **above normal(1.6°C to 3.0°C)** at few places over Coastal Andhra Pradesh & Yanam; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Saurashtra & Kutch, Konkan & Goa, Marathwada and Rayalaseema. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, West Uttar Pradesh,

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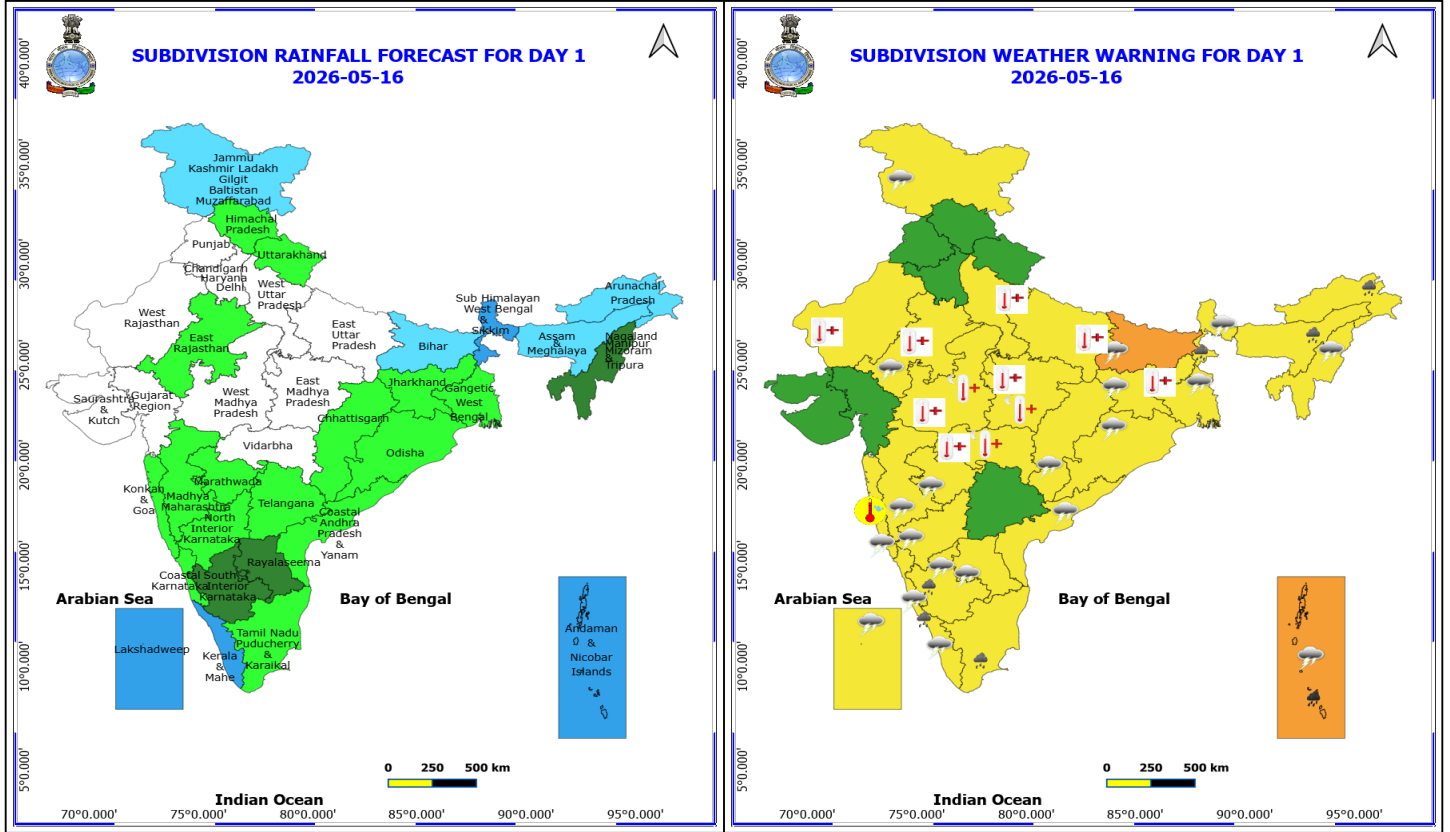
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Uttarakhand, North Interior Karnataka and Lakshadweep; at most places over Sub Himalayan West Bengal & Sikkim, Telangana and Coastal Karnataka; at few places over Andaman & Nicobar Islands, Punjab, South Interior Karnataka and Kerala & Mahe; at isolated places over Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **The highest maximum temperature** of 45.6°C was reported at AMRAOTI (MAHARASHTRA).

**Meteorological Analysis (Based on 0530 hours IST)**

- The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of  $\pm 4$  days.
- Conditions are favourable for the advance of **Southwest Monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands on today, the 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 0530 Hrs IST of today, the 16<sup>th</sup> May 2026 and the associated cyclonic circulation extends upto 5.8 km above mean sea level tilting southwestwards with height.
- The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 65°E to the north of Lat. 28°N.
- Another **Western Disturbance** as a cyclonic circulation over Jammu adjoining north Pakistan at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over East Madhya Pradesh & neighbourhood now lies over northeast Vidarbha & neighbourhood at 0.9 km above mean sea level.
- The **trough** now runs from the above **upper air cyclonic circulation** over northeast Vidarbha & neighbourhood to Coastal Karnataka across Telangana and Interior Karnataka at 0.9 km above mean sea level.
- The **east-west trough** from West Madhya Pradesh to North Bangladesh across East Madhya Pradesh, Southeast Uttar Pradesh, Bihar and North Gangetic West Bengal at 0.9 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over north coastal Tamilnadu & neighbourhood at 0.9 km above mean sea level.



**16 May (Day 1)**

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

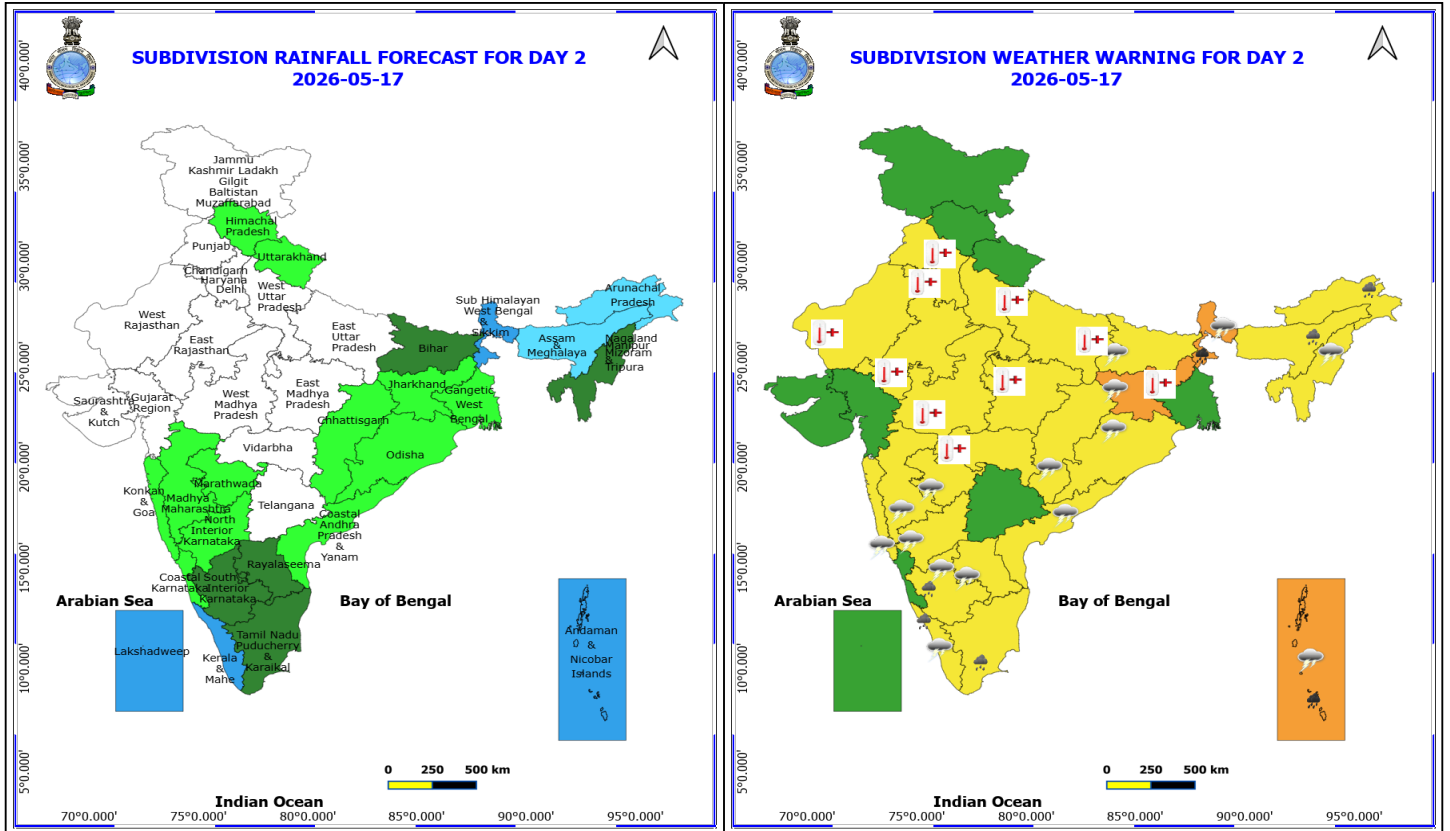
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Keralam coast, over Lakshadweep area. Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south Somalia coast.

❖ **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.



**17 May (Day 2)**

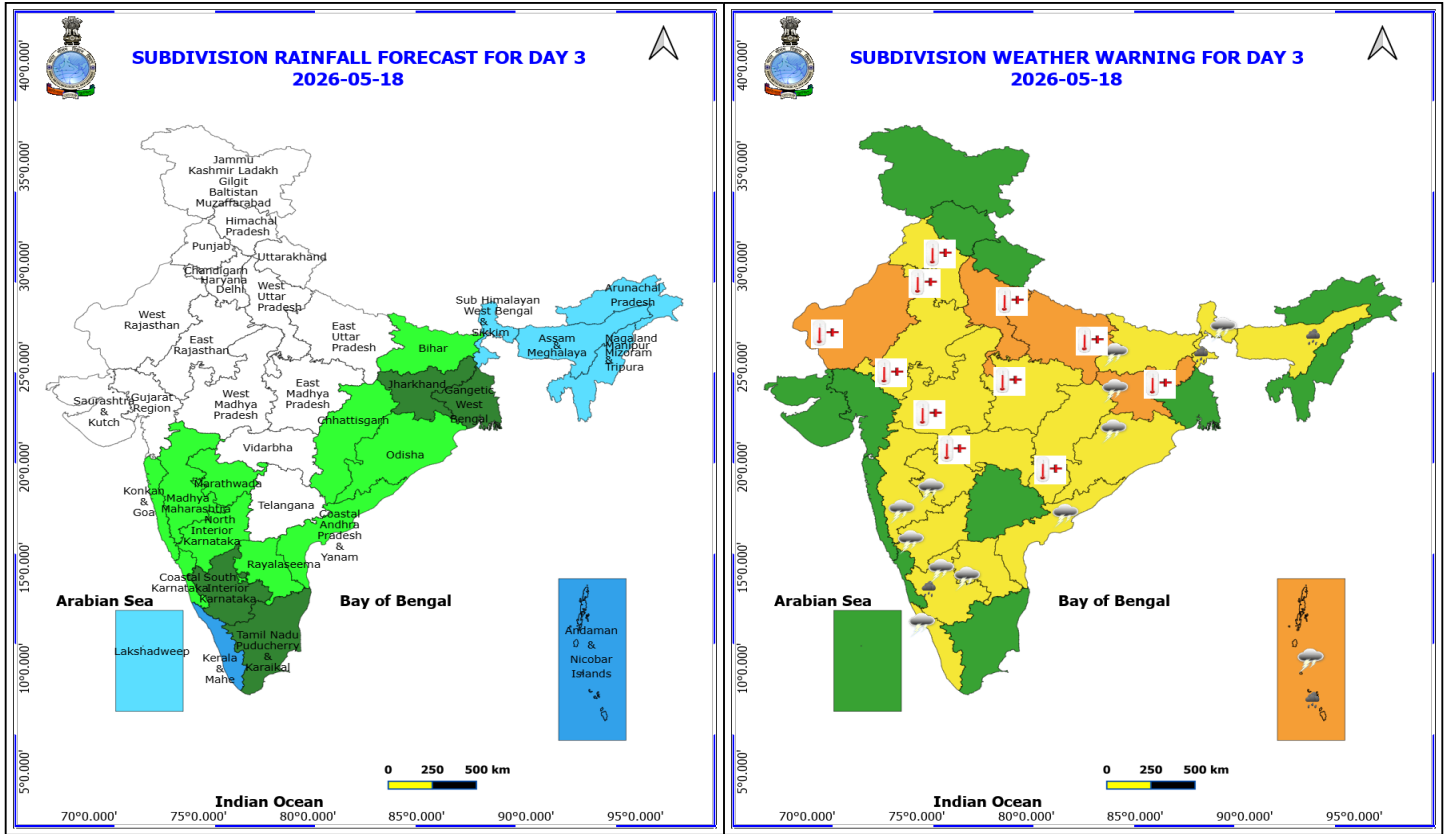
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands and Sub Himalayan West Bengal & Sikkim.
  - ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
  - ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands and Jharkhand.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Chhattisgarh, Interior Karnataka, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Odisha and Sub Himalayan West Bengal & Sikkim.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
  - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
  - ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Jharkhand, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh and Vidarbha.
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- ❖ **Arabian Sea:** 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, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal,

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adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea.

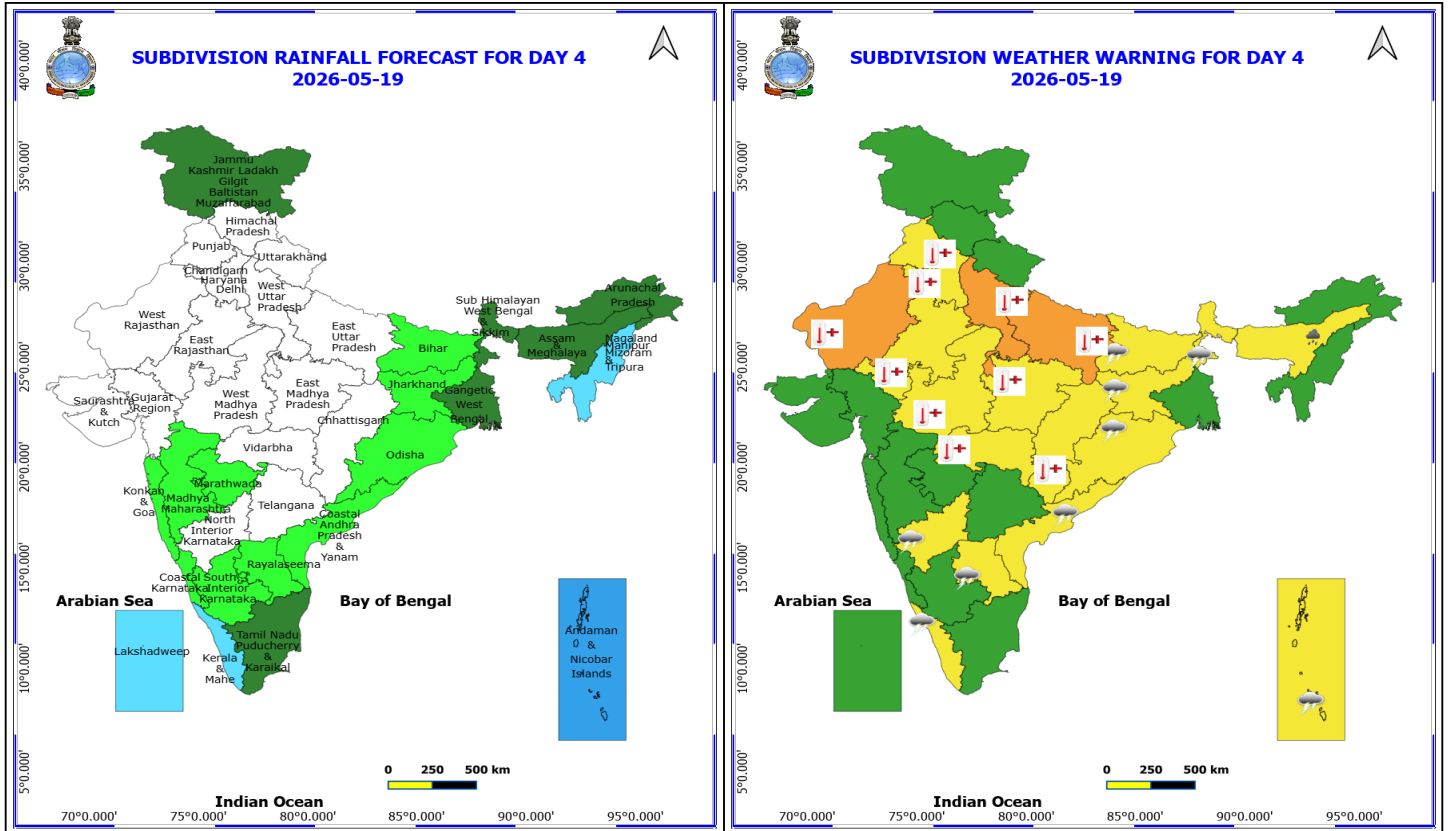


### 18 May (Day 3)

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

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### 19 May (Day 4)

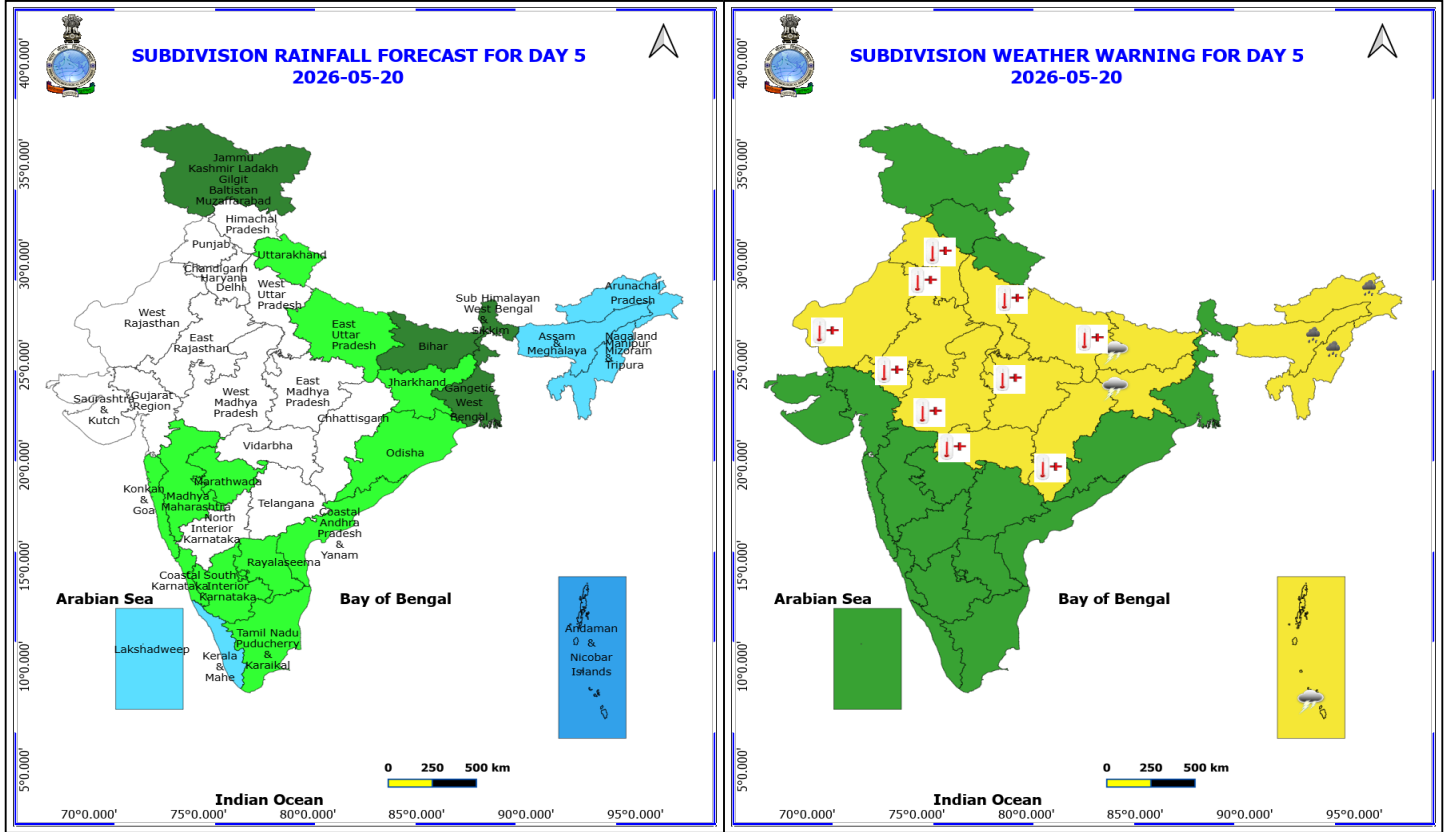
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Jharkhand, Kerala & Mahe, North Interior Karnataka, Odisha and Sub Himalayan West Bengal & Sikkim.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
  - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya.
  - ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and Vidarbha.
  - ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh and West Rajasthan.
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- ❖ **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 Andaman Sea.

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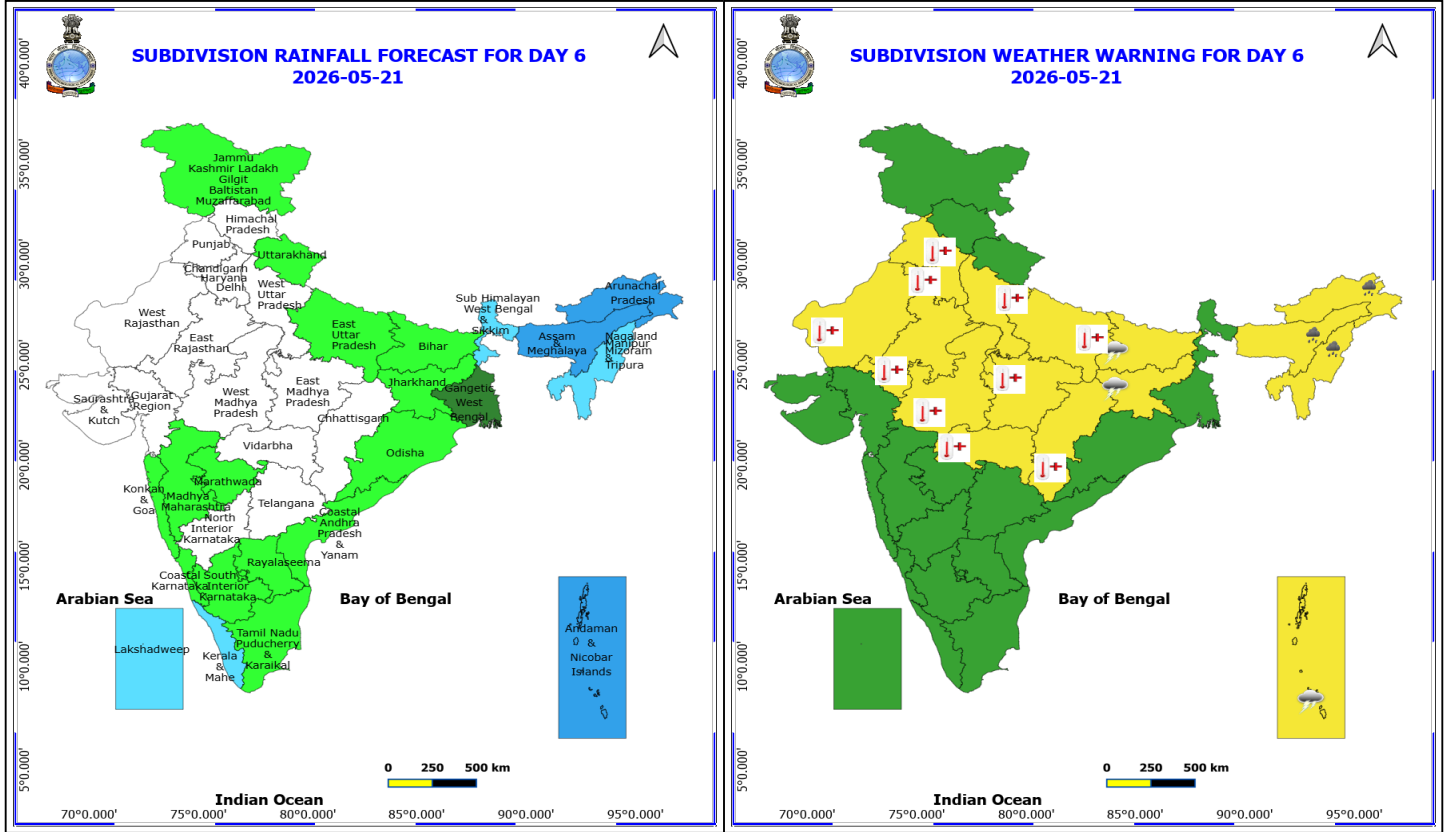
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**20 May (Day 5)**

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **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 and Jharkhand.
- ❖ **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.

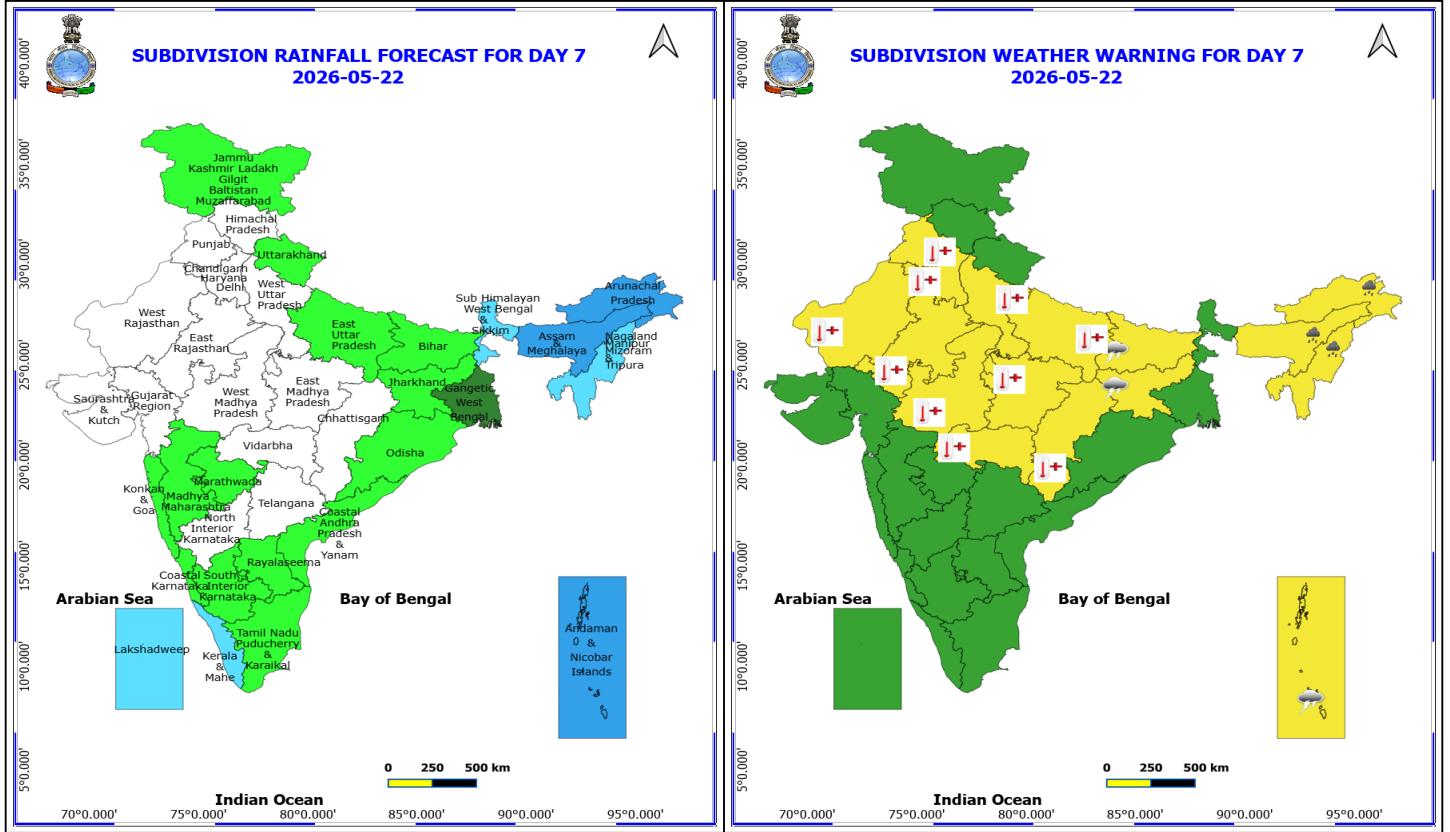
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**21 May (Day 6)**

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **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 and Jharkhand.
- ❖ **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.

**No Fishermen Warning**



**22 May (Day 7)**

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **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 and Jharkhand.
- ❖ **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.

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## Table-1

### 7 Days Rainfall Forecast

S.No.	Subdivision	16- May	17- May	18- May	19- May	20- May	21- May	22- 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	FWS	FWS	SCT	FWS	WS	WS
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	SCT	FWS	WS	WS
4	N. M. M. & T.	SCT	SCT	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	FWS	SCT	SCT	FWS	FWS
6	GANGETIC WEST BENGAL	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
9	BIHAR	FWS	SCT	ISOL	ISOL	SCT	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	FWS	DRY	DRY	SCT	SCT	ISOL	ISOL
17	WEST RAJASTHAN	DRY	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	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
35	KERALA	WS	WS	WS	FWS	FWS	FWS	FWS
36	LAKSHDWEEP	WS	WS	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 2026-05-15

Fig. 2: Departure of Maximum Temp. Dated 2026-05-15

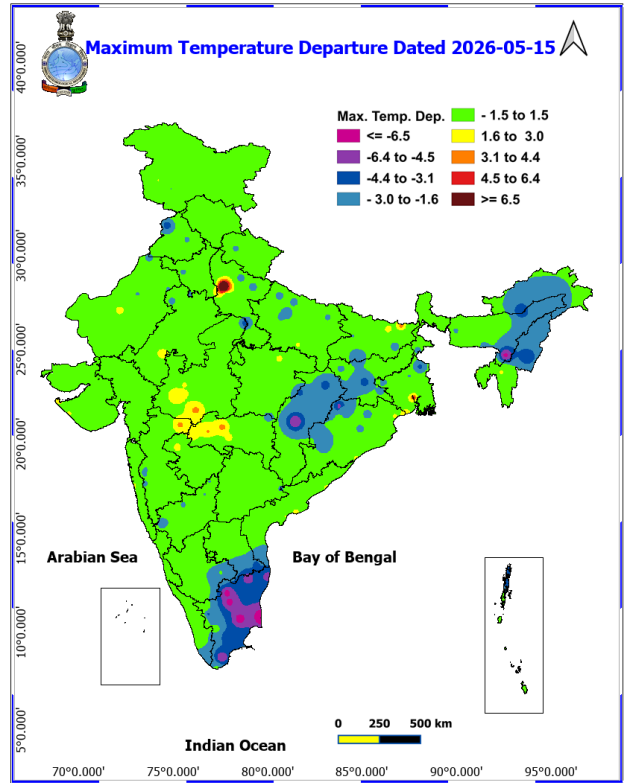
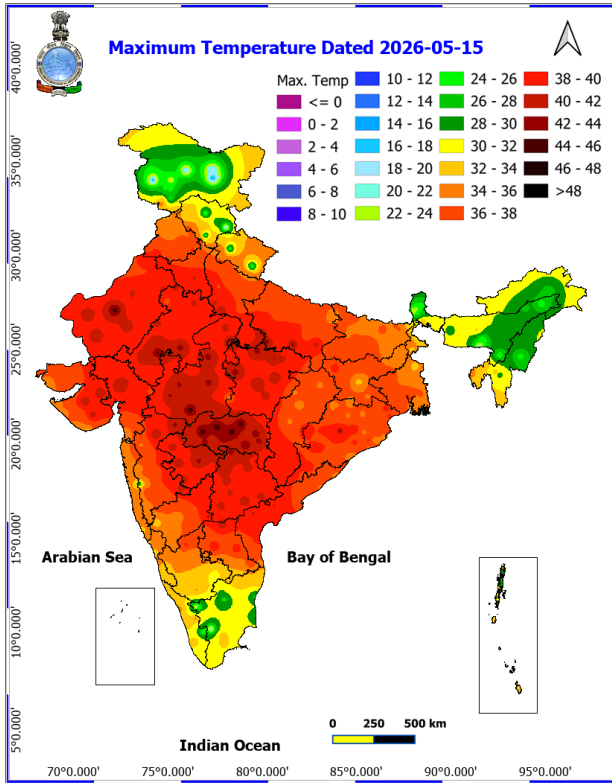
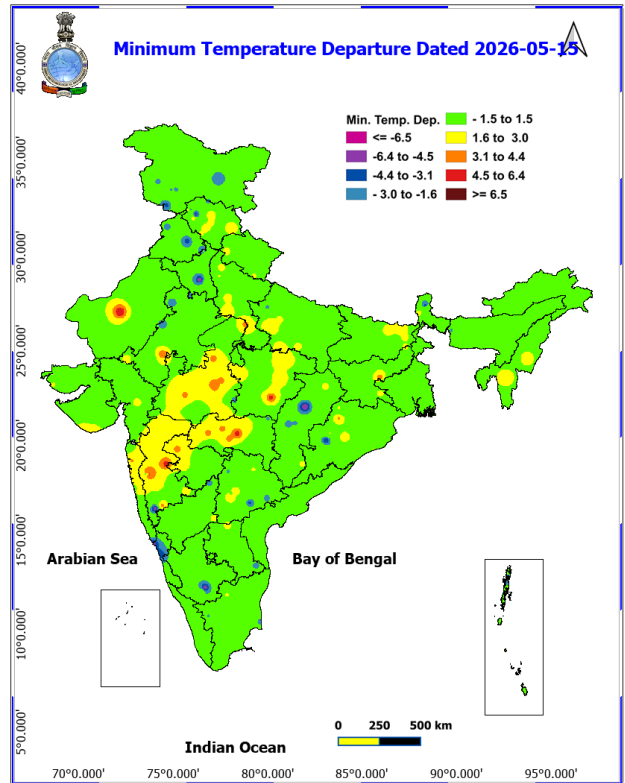
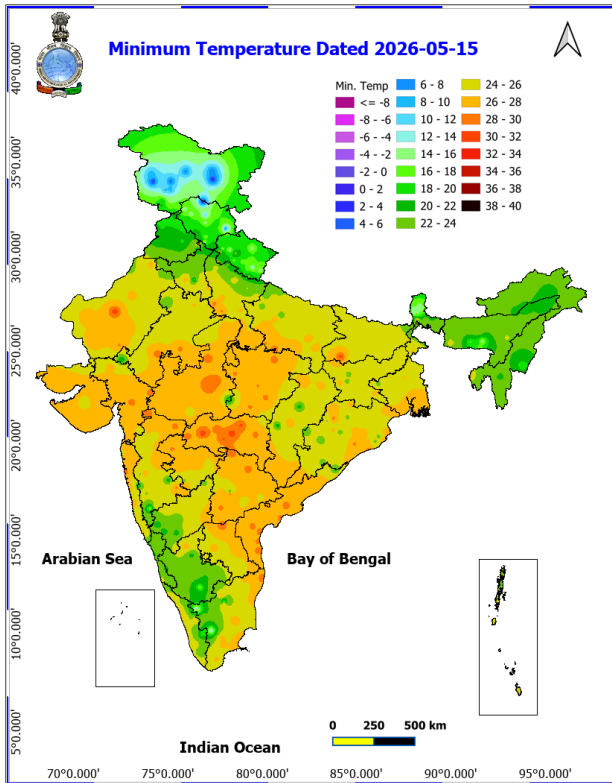
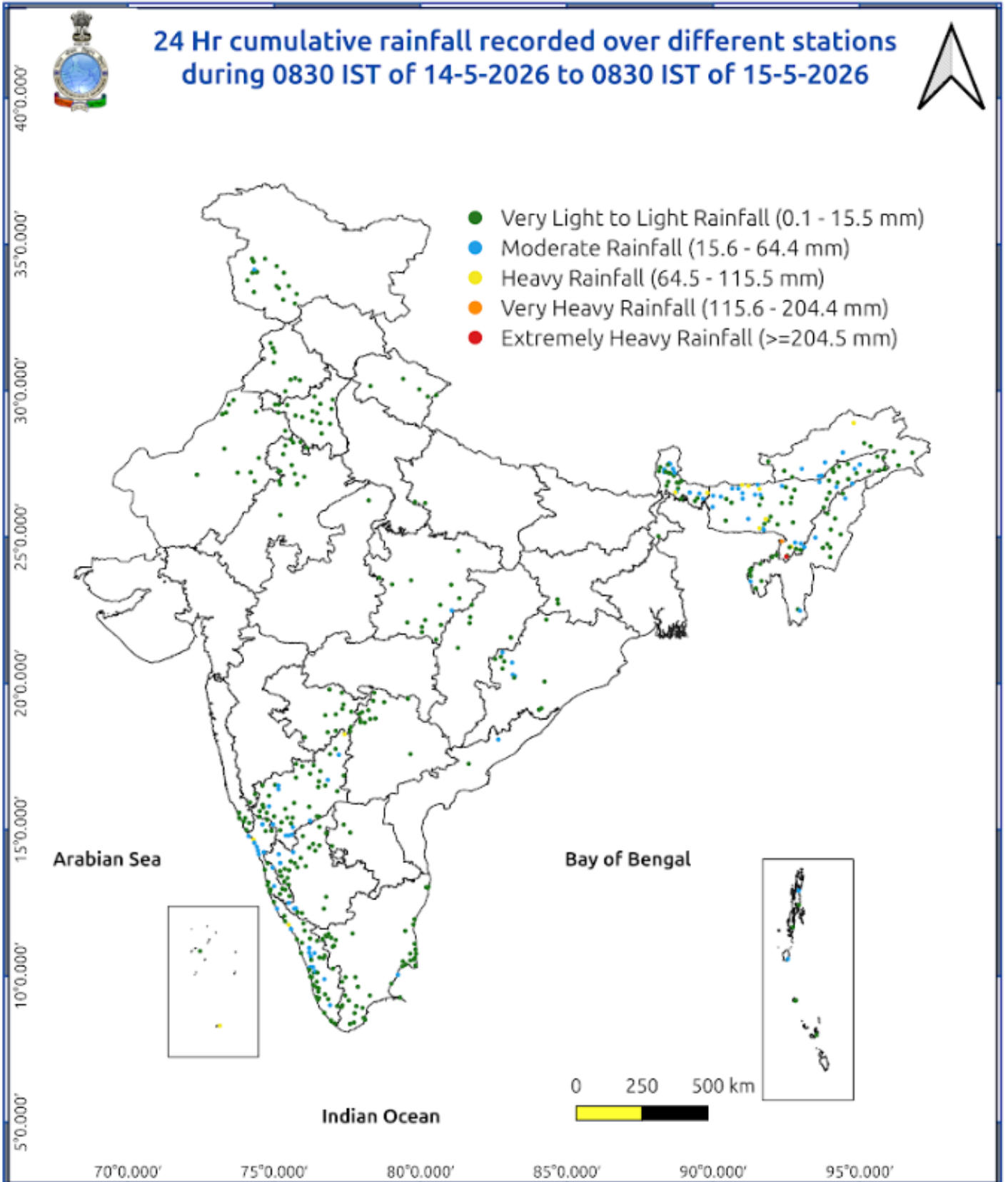


Fig. 3: Minimum Temperatures Dated 2026-05-15

Fig. 4: Departure of Minimum Temp. Dated 2026-05-15



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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 16<sup>th</sup>-17<sup>th</sup> and on 20<sup>th</sup> & 21<sup>st</sup>, Assam & Meghalaya during 16<sup>th</sup> – 21<sup>st</sup>; Nagaland, Manipur, Mizoram on 20<sup>th</sup> & 21<sup>st</sup>; Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during 16<sup>th</sup> - 18<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal during 16<sup>th</sup> - 17<sup>th</sup>, Kerala & Mahe on 16<sup>th</sup> & 17<sup>th</sup>; South Interior Karnataka during 16<sup>th</sup> - 18<sup>th</sup> May with **Isolated very heavy rainfall over** Andaman & Nicobar Islands on 16<sup>th</sup> & 17<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 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 during 16<sup>th</sup> – 18<sup>th</sup>; Bihar on 16<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup>; Jharkhand on 17<sup>th</sup> & 18<sup>th</sup>.

### 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.

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- 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 16<sup>th</sup> – 17<sup>th</sup>; East Uttar Pradesh during 16<sup>th</sup> – 17<sup>th</sup> and on 20<sup>th</sup>; West Rajasthan during 16<sup>th</sup> and on 20<sup>th</sup> May, East Rajasthan during 17<sup>th</sup> – 20<sup>th</sup>; West Madhya Pradesh, Vidarbha during 16<sup>th</sup> – 20<sup>th</sup>; East Madhya Pradesh during 16<sup>th</sup> – 20<sup>th</sup>; Chhattisgarh during 17<sup>th</sup> – 20<sup>th</sup>; Telangana during 16<sup>th</sup> -18<sup>th</sup>, Konkan & Goa on 16<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 **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 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?

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- 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

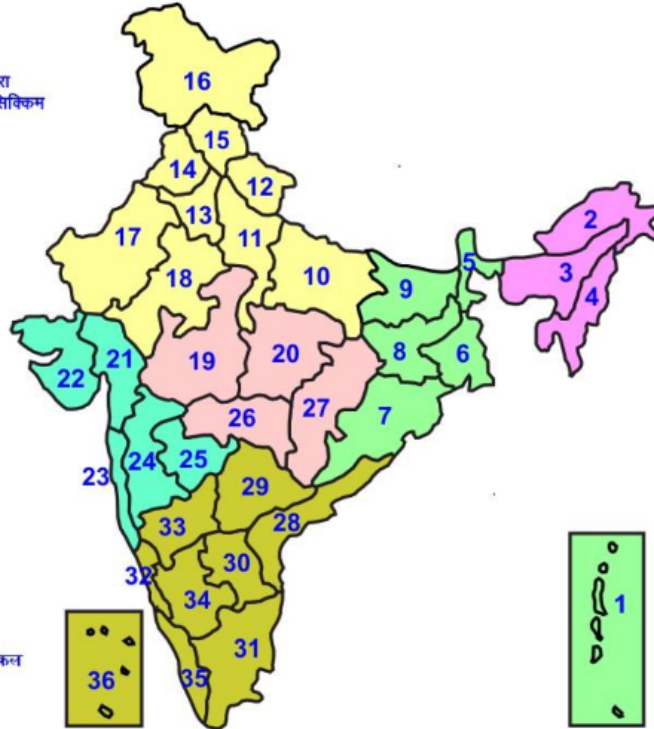
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

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