

2026-05-22

Time of Issue: 16:18:00 hours IST
(Evening)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Advance of Southwest Monsoon 2026:

- **The Northern Limit of Monsoon** continues to pass through 6°N/70°E, 6°N/75°E, 7°N/80°E, 9°N/85°E, 12°N/90°E, 14°N/93°E, 16°N/96°E and 17.5°N/98°E.
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, Comorin Area, southwest and southeast Bay of Bengal, remaining parts of Andaman Sea, and some more parts of eastcentral Bay of Bengal during next 2-3 days.

Weather Forecast & warnings

Northeast India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Assam & Meghalaya on 22nd & 23rd and Nagaland, Manipur and Mizoram on 22nd May.
- **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd-27th; Assam & Meghalaya during 22nd-28th and Nagaland, Manipur, Mizoram & Tripura during 22nd-24th May with **isolated very heavy rainfall** also likely over Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th May.

South Peninsular India:

- **Widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Kerala & Mahe and Lakshadweep during 22nd-26th May.
- **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during 22nd-26th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd & 23rd May.
- **Isolated Heavy rainfall** also likely over Tamil Nadu & Lakshadweep during 22nd-26th; Kerala & Mahe during 22nd-28th; North Interior Karnataka & Rayalaseema on 22nd & 23rd; South Interior Karnataka during 22nd-24th May.
- **Isolated Hailstorm activity** likely over North Interior Karnataka on 22nd May.

East India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 22nd-28th; Sub-Himalayan West Bengal & Sikkim during 22nd -24th May.
- **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Gangetic West Bengal, Bihar & Jharkhand during 22nd-28th; Odisha during 22nd-26th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal & Odisha on 22nd; Jharkhand on 24th & 25th; Bihar on 25th May.
- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 22nd-26th; Bihar on 25th May; **with isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 22nd & 23rd May.
- **Isolated Hailstorm activity** likely over Odisha on 22nd May.

Northwest India:

- **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 22nd-25th; Himachal Pradesh and Uttarakhand on

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22nd & 23rd May.

- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Punjab on 22nd & 23rd; Haryana & Chandigarh and West Rajasthan on 22nd May.
- **Isolated Hailstorm activity** likely over Uttarakhand on 22nd, Himachal Pradesh on 22nd & 23rd May.
- **Dust storm activity likely** at isolated places over West Rajasthan on 22nd May.

West India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Konkan & Goa, Madhya Maharashtra and Marathawada on 22nd & 23rd May.

Forecast of maximum/day temperatures:

- No significant change in maximum temperatures likely over East India till 26th May and gradual fall by 2-3°C on 27th & 28th May.
- No significant change in maximum temperatures likely over the rest parts of country till 28th May 2026.

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

- **Heat wave conditions** very likely in isolated/some pockets over Uttar Pradesh and Madhya Pradesh during 22nd-28th May with **severe heat wave conditions** over East Uttar Pradesh and East Madhya Pradesh during same period.
- **Heat wave conditions** very likely in isolated/some pockets over Punjab and Haryana, Chandigarh & Delhi during 22nd-28th May with **severe heat wave conditions** likely in some/many pockets during 24th-27th May.
- **Heat wave conditions** very likely in isolated/some pockets over Rajasthan during 22nd-28th May with **severe heat wave conditions** likely in isolated/some pockets over West Rajasthan during 24th-28th May.
- **Heat wave conditions** very likely in isolated pockets over Vidarbha during 22nd-28th May with **severe heat wave conditions** likely in isolated pockets during 22nd-26th May.
- **Heat wave conditions** very likely in isolated pockets over Coastal Andhra Pradesh & Yanam during 22nd-26th May with **severe heat wave conditions** likely in isolated pockets during 22nd-24th May.
- **Heat wave conditions** very likely in isolated pockets over Bihar during 22nd-24th; Tamil Nadu on 22nd; Chhattisgarh, Jharkhand, Odisha & Telangana during 22nd-26th; Jammu-Kashmir, Himachal Pradesh & Uttarakhand during 26th-28th May.
- **Hot and humid weather conditions** likely to prevail over Gangetic West Bengal during 22nd-26th; Tamil Nadu on 23rd May.
- **Warm Night conditions** very likely to prevail in isolated pockets over Uttar Pradesh, Vidarbha during 22nd-24th; Odisha during 22nd-26th and Telangana on 22nd & 23rd 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 Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Rayalaseema; **at many places** over Andaman & Nicobar Islands, South Interior Karnataka and Kerala & Mahe; **at a few places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Himachal Pradesh, Coastal Karnataka, North Interior Karnataka and Lakshadweep; **at isolated places** over Arunachal Pradesh, Gangetic West Bengal, Odisha, Jharkhand, Bihar, Uttarakhand, Punjab, Konkan & Goa, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Kerala & Mahe**: Mavelikara (dist Alapuzha) 23; Kayamkulam ARG (dist Alapuzha) 21; Kayamkulam (dist Alapuzha) 13; Mancompu (dist Alapuzha), Nooranad AWS (dist Alapuzha) 12 Each; Haripad (dist Alapuzha), Karumadi AWS (dist Alapuzha) 10 Each; Tellichery (dist Cannur), Cherthala (dist Alapuzha), Paripalli AWS (dist Kollam) 9 Each; Vaikkom AWS (dist Kottayam) 8; Kozhikode (dist Kozhikode) 7; Kollam Rly (dist Kollam) 6; **South Interior Karnataka**: Y N Hoskote (dist Tumakuru) 9; Bengaluru City (dist Bengaluru Urban) 6; **Bihar**: Jhanjharpur (dist Madhubani) 9; Lakhnour (dist Madhubani) 7; **Assam & Meghalaya**: SCS College of agriculture (dist Dhubri) 15, Bahalpur (dist Dhubri) 8; **Tamil Nadu**: Hosur AWS (Krishnagiri) 7; **Rayalaseema**: Anantpur (dist Anantapuramu) 7; **Sub Himalayan West Bengal & Sikkim**: Sankos Tea Estate (dist Alipurduar) 7; **Nagaland, Manipur, Mizoram & Tripura**: Khumluwang ARG (dist West Tripura) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Kerala & Mahe. **Heavy to very heavy rain** at isolated places over Assam. **Heavy rain** at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, Rayalaseema, Tamilnadu and South Interior Karnataka.

❖ **Hailstorm** occurred at isolated places over South Interior Karnataka.

❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 80-120 kmph** prevailed at isolated places over Assam & Meghalaya & South Interior Karnataka; **with speed reaching 50-80 kmph** prevailed at isolated places over Marathawada, Bihar, Odisha, Tamil Nadu and **with speed reaching 40-50 kmph** prevailed at isolated places over Madhya Maharashtra, Coastal Andhra Pradesh, Kutch, Madhya Pradesh, Uttar Pradesh, Jammu-Kashmir, Punjab and Haryana.

❖ **Heat wave to severe heat wave conditions** prevailed in few pockets over East Uttar Pradesh & Vidarbha; **heat wave conditions** in many pockets of Haryana Chandigarh & Delhi and Himachal Pradesh; some pockets of East Madhya Pradesh; in isolated pockets of Uttarakhand, Punjab, West Uttar Pradesh, Chhattisgarh & Coastal Andhra Pradesh.

❖ **Warn night conditions** prevailed in isolated pockets over Punjab, Uttar Pradesh, East Madhya Pradesh, Vidarbha.

❖ **Minimum Temperature Departures (as on 22-05-2026): markedly above normal(> 5.1°C)** at many places over Vidarbha; at most places over Himachal Pradesh; at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region, Saurashtra & Kutch and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at few places over Jharkhand, Uttarakhand, Punjab, Vidarbha and Coastal Andhra Pradesh & Yanam; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at most places over Arunachal Pradesh and Marathwada; at few places over Andaman & Nicobar Islands, West Rajasthan, East Rajasthan, Gujarat Region, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal; at isolated places over West Madhya Pradesh, Chhattisgarh, Rayalaseema, North Interior Karnataka and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Chhattisgarh and North Interior Karnataka; at most places over Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Lakshadweep; at few places over West Madhya Pradesh, Madhya Maharashtra, Telangana, Tamil Nadu, Puducherry & Karaikal and South

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Interior Karnataka; at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema. **The lowest minimum temperature** of 19.0°C was reported at HALFLONG (ASSAM), and DAVANAGERE (KARNATAKA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 21-05-2026): markedly above normal(> 5.1°C)** at many places over East Uttar Pradesh, Himachal Pradesh, Coastal Andhra Pradesh & Yanam and Telangana; at most places over West Uttar Pradesh, East Madhya Pradesh and Chhattisgarh; at few places over West Madhya Pradesh; at isolated places over East Rajasthan, Vidarbha and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at many places over Marathwada; at few places over Rayalaseema; at isolated places over Gujarat Region, Saurashtra & Kutch, Konkan & Goa and North Interior Karnataka. **above normal(1.6°C to 3.0°C)** at isolated places over Madhya Maharashtra. **near normal(-1.5°C to 1.5°C)** at most places over Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep. **The highest maximum temperature of 47.6°C was reported at BANDA (UTTAR PRADESH).**

Meteorological Analysis (Based on 1430 hours IST)

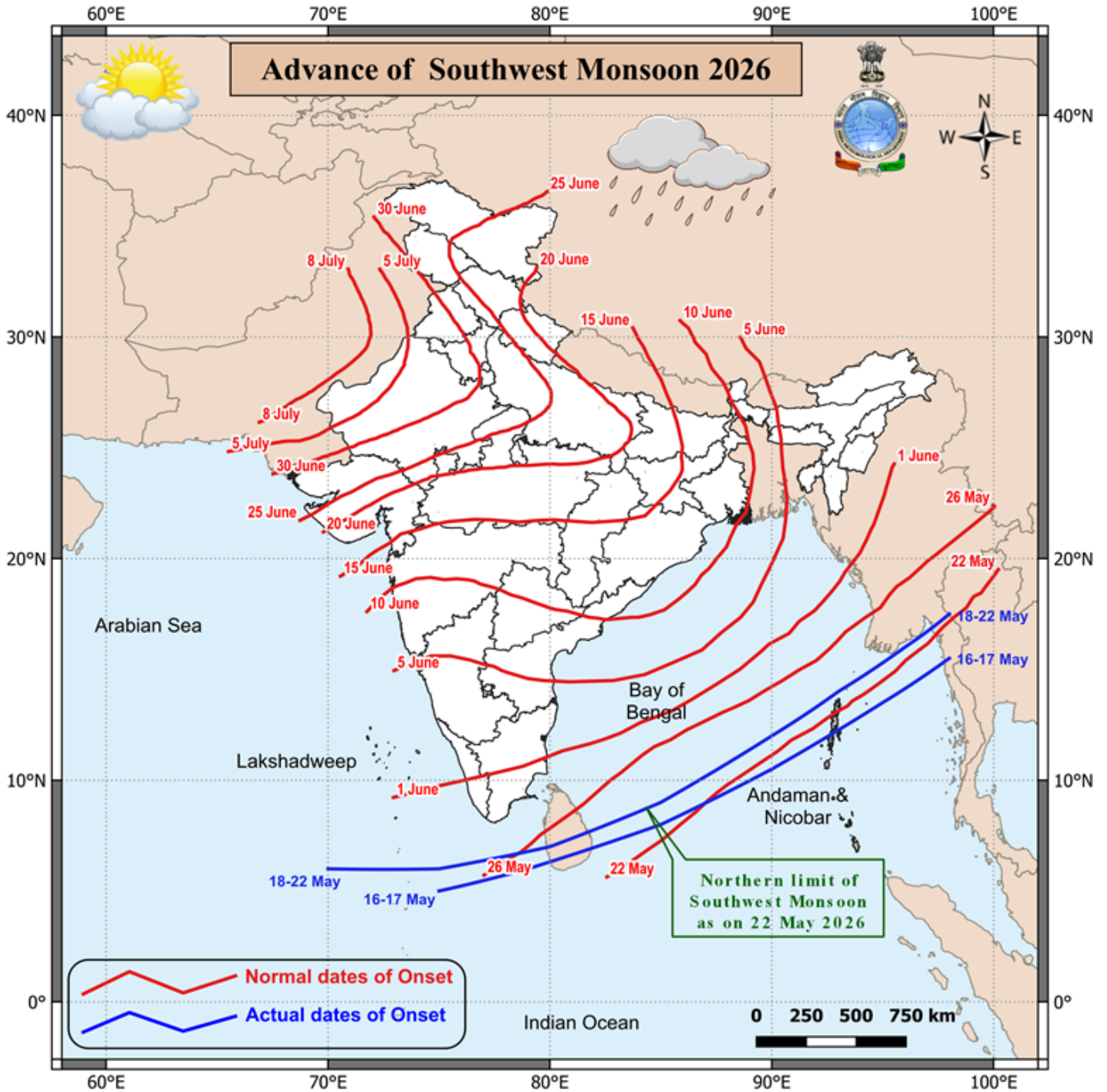
- **The Northern Limit of Monsoon** continues to pass through 6°N/70°E, 6°N/75°E, 7°N/80°E , 9°N/85°E, 12°N/90°E , 14°N/93°E , 16°N/96°E and 17.5°N/98°E .
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, Comorin Area, southwest and southeast Bay of Bengal, remaining parts of Andaman Sea, and some more parts of eastcentral Bay of Bengal during next 2-3 days.
- The **Western Disturbance** as a cyclonic circulation over north Pakistan & neighbourhood at 3.1 km above mean sea level with a trough aloft in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 71°E to the north of Lat. 28°N persists.
- The **upper air cyclonic circulation** over northwest Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over interior Odisha & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **trough from the upper air cyclonic circulation** over northwest Uttar Pradesh to the **upper air cyclonic circulation** over interior Odisha across East Uttar Pradesh and Chhattisgarh extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over central Assam & neighbourhood at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over Southeast Bay of Bengal & neighbourhood at 3.1 km above mean sea level persists.
- The **trough from the upper air cyclonic circulation** over Southeast Bay of Bengal to north Kerala across Southwest Bay of Bengal and Tamilnadu at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over eastcentral Arabian Sea & neighbourhood extending upto 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over southeast Arabian Sea & neighbourhood at 3.1 km above mean sea level persists.
- The **trough from the upper air cyclonic circulation** over Southeast Arabian Sea to Comorin area across Kerala and south Tamil Nadu at 3.1 km above mean sea level persists.

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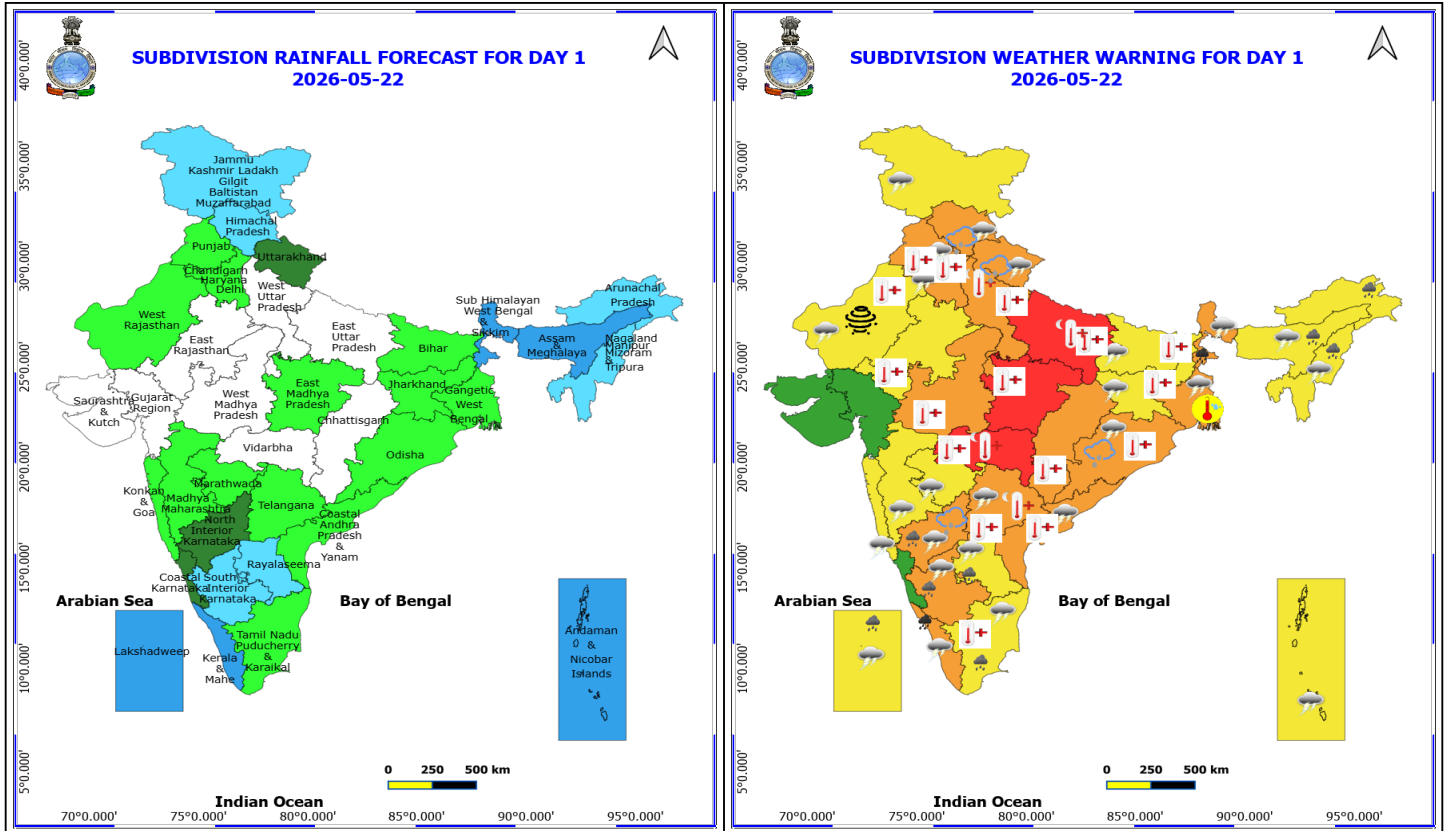
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22 May (Day 1)

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

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Chandigarh & Delhi, Jharkhand, Odisha, Punjab, Rajasthan, Tamil Nadu Puducherry & Karaikal, Telangana, West Madhya Pradesh and West Uttar Pradesh.

❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over East Madhya Pradesh, East Uttar Pradesh and Vidarbha.

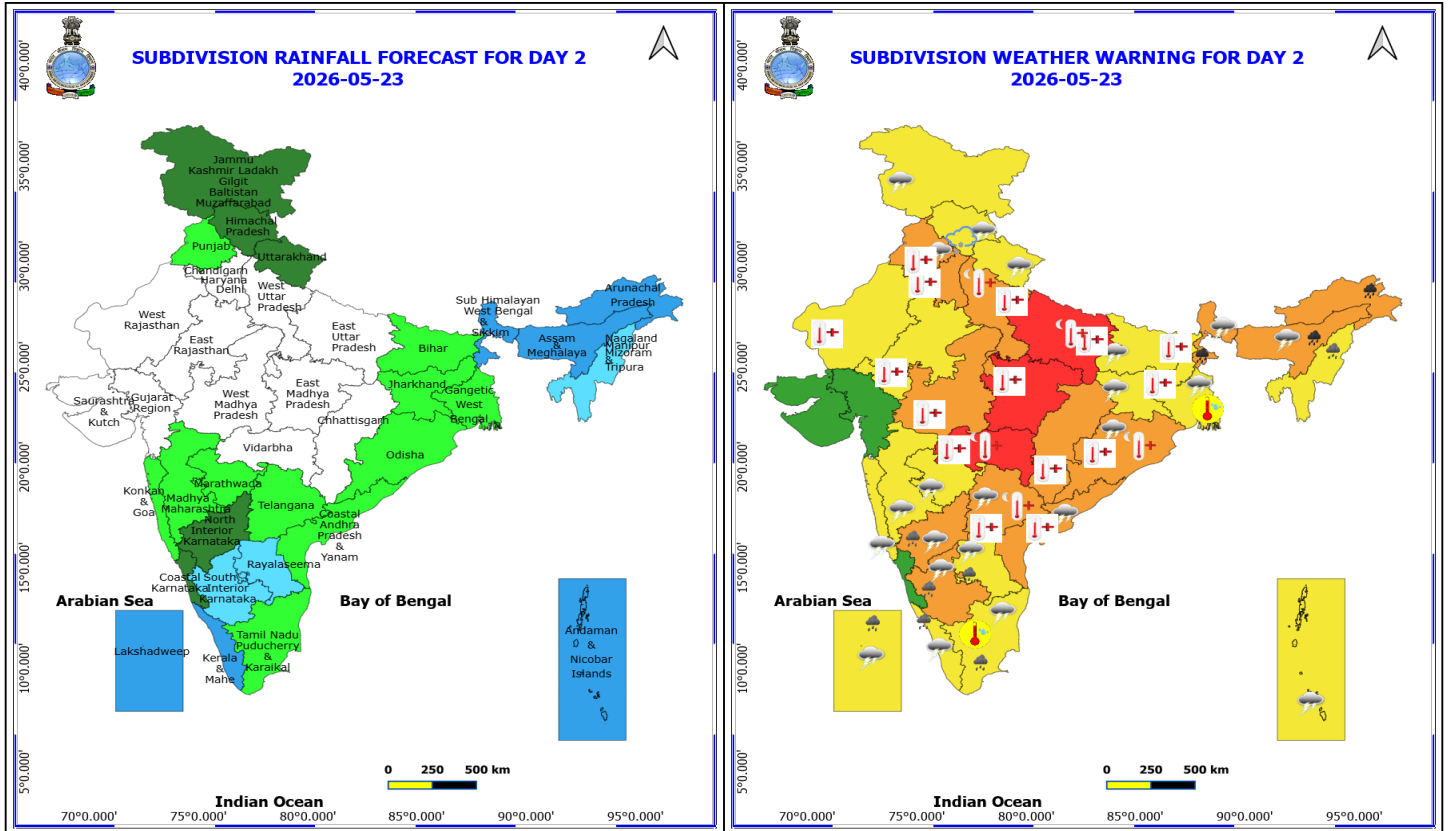
❖ **Hot and Humid weather** very likely at isolated places over Gangetic West Bengal.

❖ **Warm Night conditions** very likely at isolated places over Telangana, Uttar Pradesh and Vidarbha.

❖ **Arabian Sea: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Keralam, Karnataka coasts, Lakshadweep, Maldives, Comorin areas, over most parts of southeast Arabian Sea, adjoining parts of southwest & westcentral Arabian Sea.

❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia coast, adjoining some parts of southwest Arabian Sea.

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



23 May (Day 2)

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

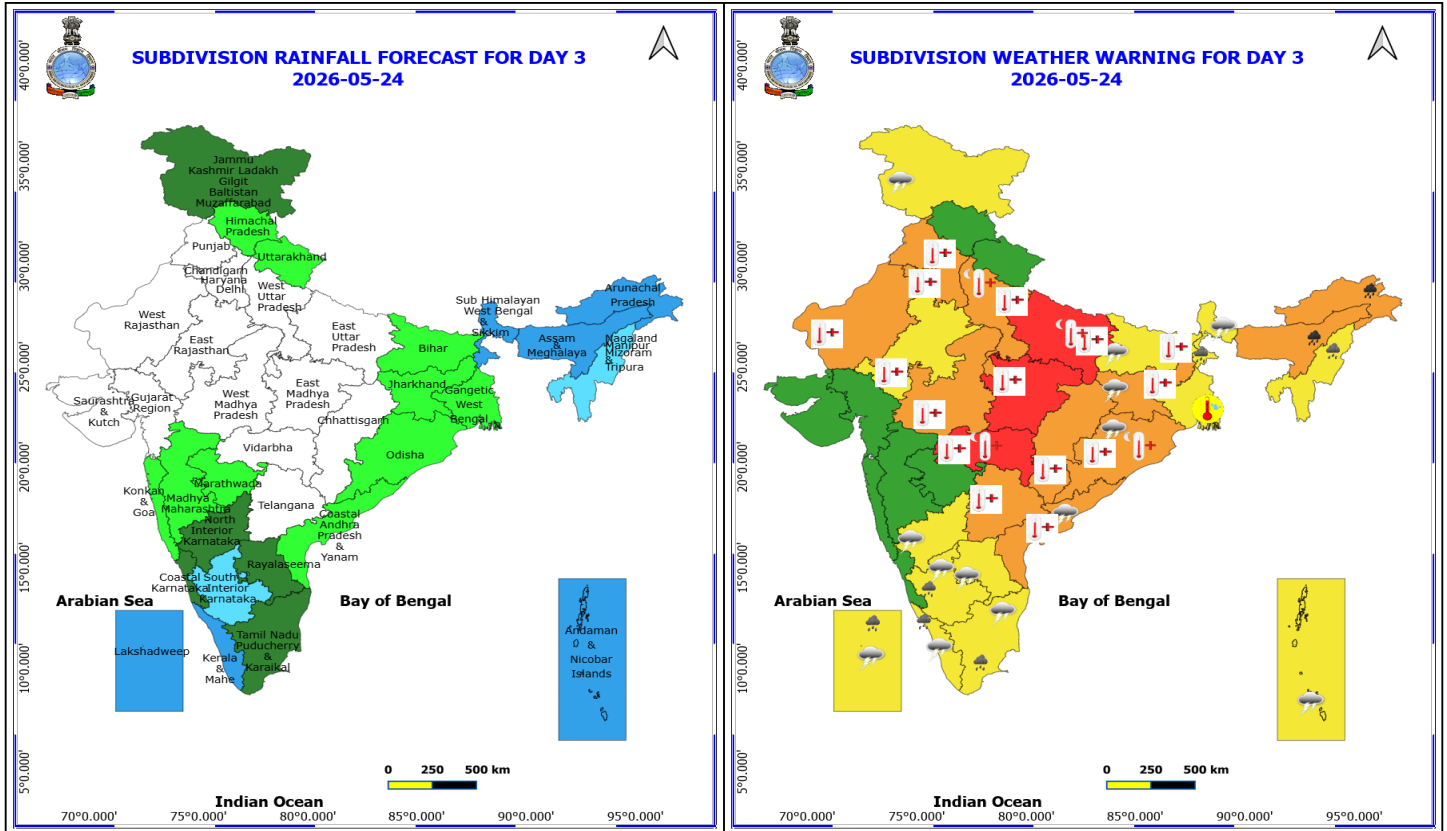
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- ❖ **Heat Wave to Severe Heat Wave conditions** very likely at isolated places over East Madhya Pradesh, East Uttar Pradesh and Vidarbha.
 - ❖ **Hot and Humid weather** very likely at isolated places over Gangetic West Bengal and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Warm Night conditions** very likely at isolated places over Odisha, Telangana, Uttar Pradesh and Vidarbha.
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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, Karnataka coasts, Lakshadweep, Maldives, Comorin areas, over most parts of southeast Arabian Sea.
 - ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over along and off Somalia coast, adjoining some parts of southwest Arabian Sea.
 - ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, most parts of south Bay of Bengal.



24 May (Day 3)

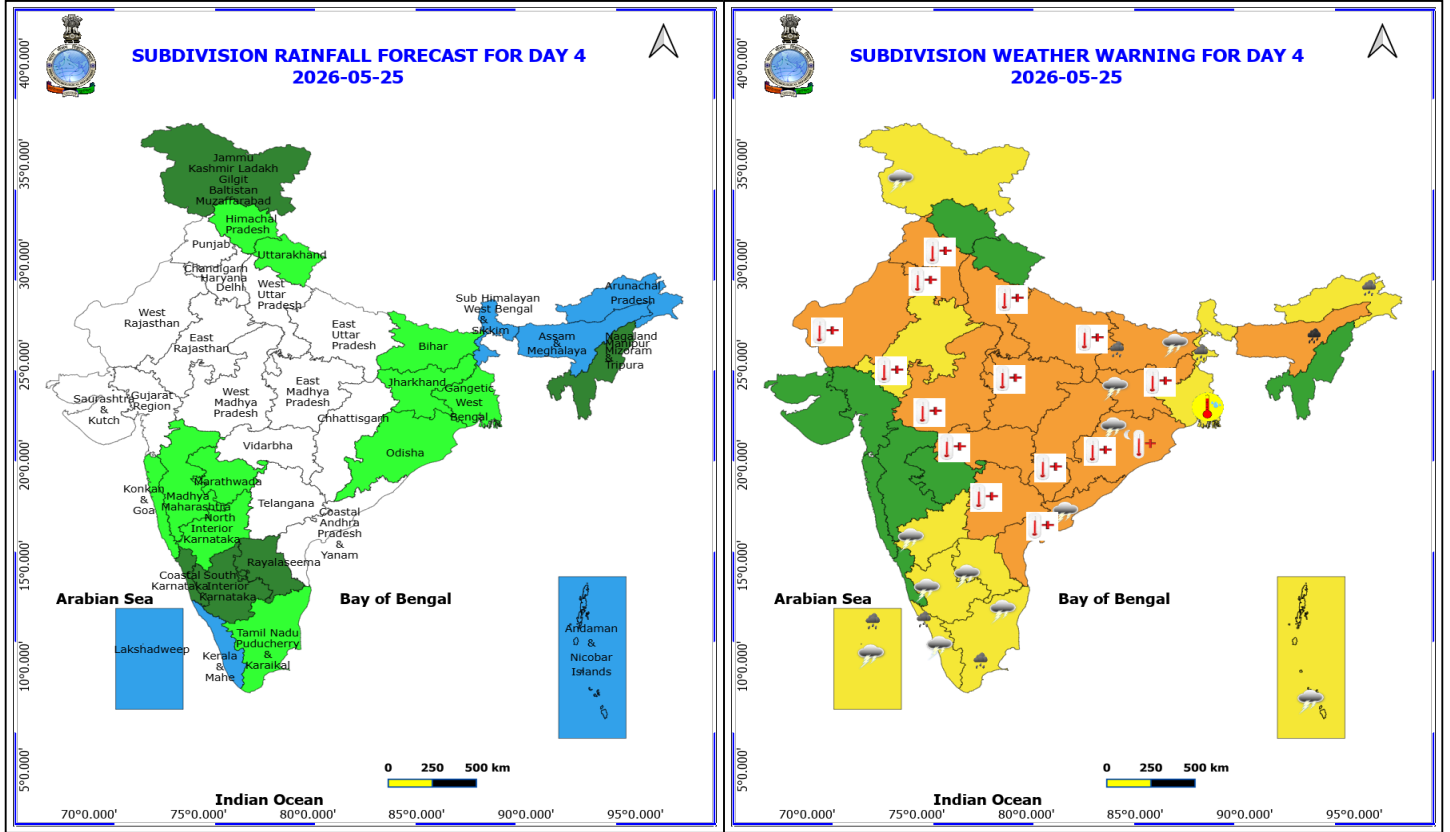
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Kerala & Mahe, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim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

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- ❖ **Warm Night conditions** very likely at isolated places over Odisha, Uttar Pradesh and Vidarbha.

- ❖ **Arabian Sea: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Keralam, Karnataka coasts, Lakshadweep, Comorin areas, adjoining Maldives area.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over along and off Somalia coast, adjoining some parts of southwest Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, many parts of south Bay of Bengal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over few parts of southwest Bay of Bengal.



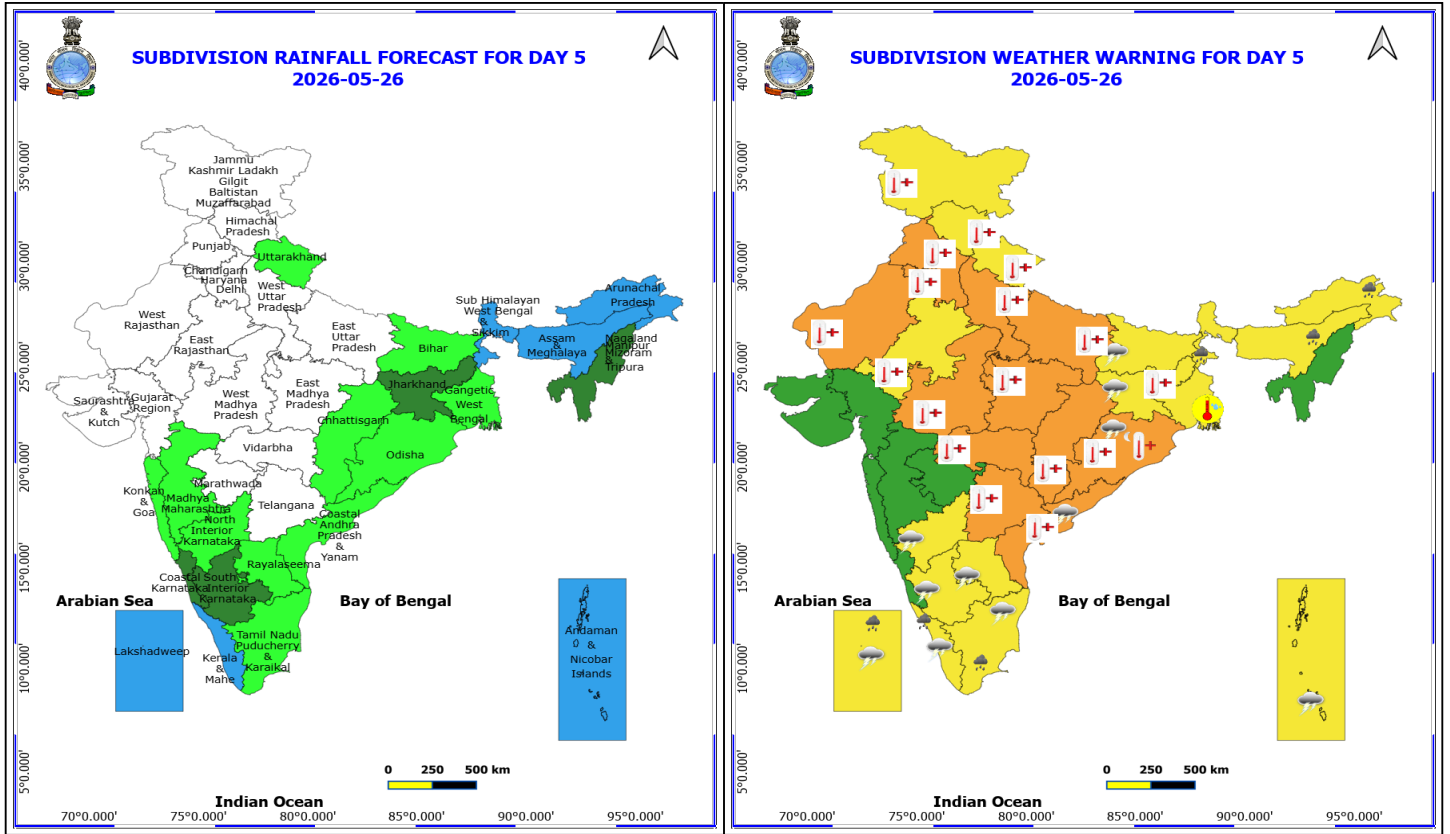
25 May (Day 4)

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

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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, Karnataka coasts, Lakshadweep, Comorin areas, adjoining Maldives area.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia coast, adjoining some parts of southwest Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over many parts of south Bay of Bengal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over some parts of southwest Bay of Bengal.



26 May (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Lakshadweep, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Interior Karnataka, Jharkhand, Kerala & Mahe, Lakshadweep, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha, Telangana, Uttarakhand, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over East Madhya Pradesh, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Vidarbha and West Rajasthan.
- ❖ **Hot and Humid weather** likely at isolated places over Gangetic West Bengal.
- ❖ **Warm Night conditions** likely at isolated places over Odisha.
- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Keralam, Karnataka coasts, Lakshadweep, Comorin areas, adjoining Maldives area.

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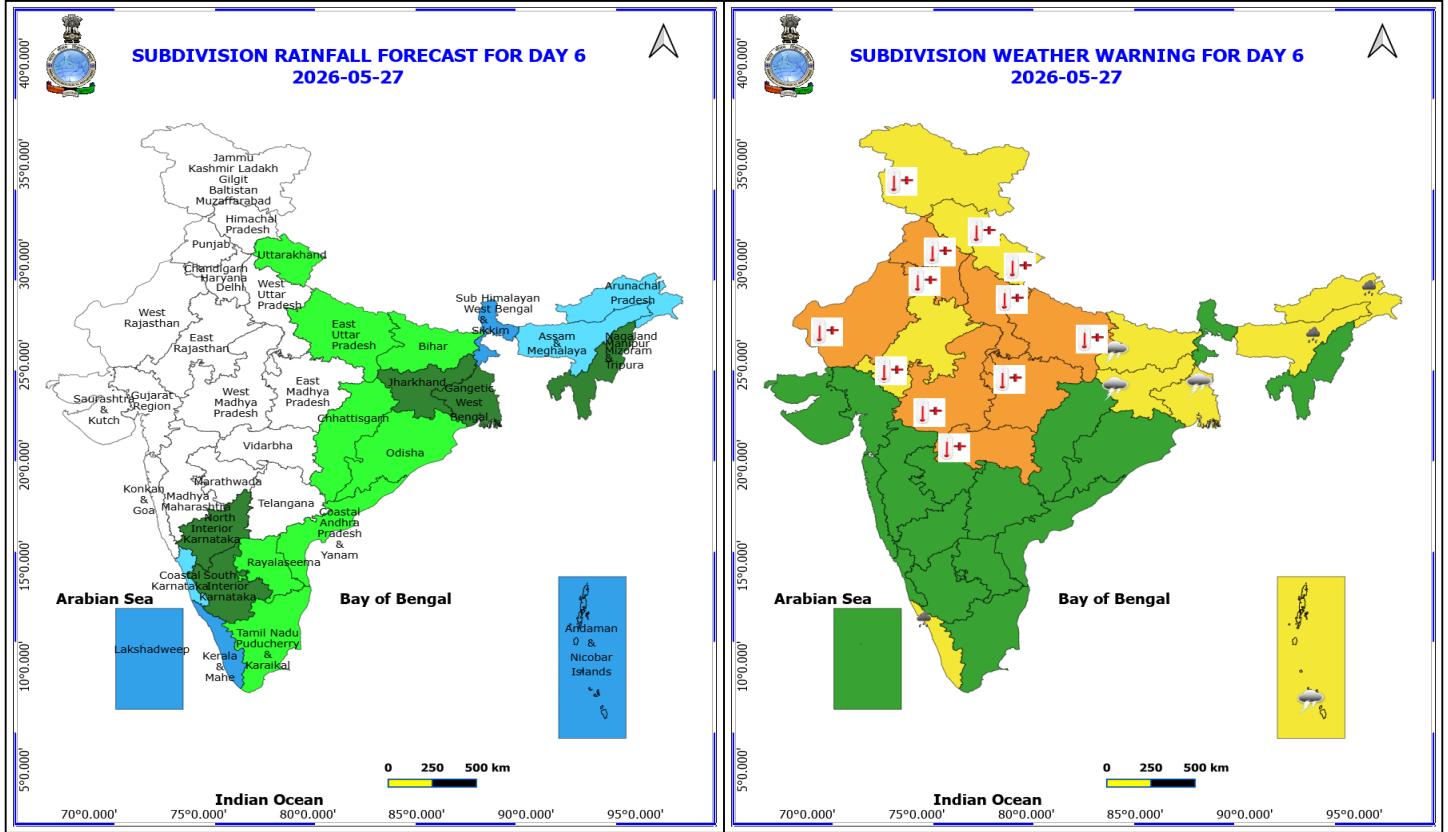
Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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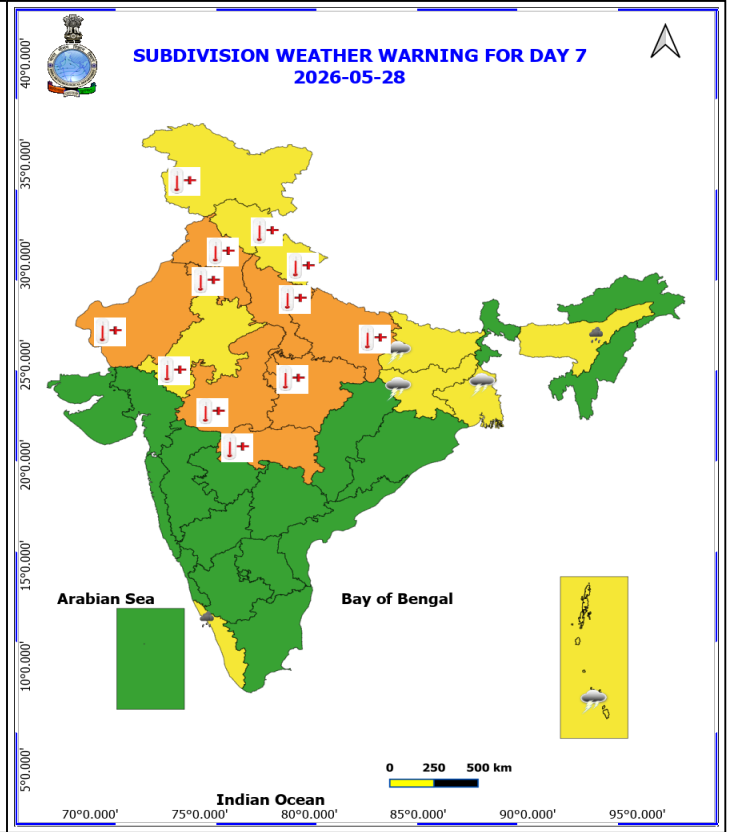
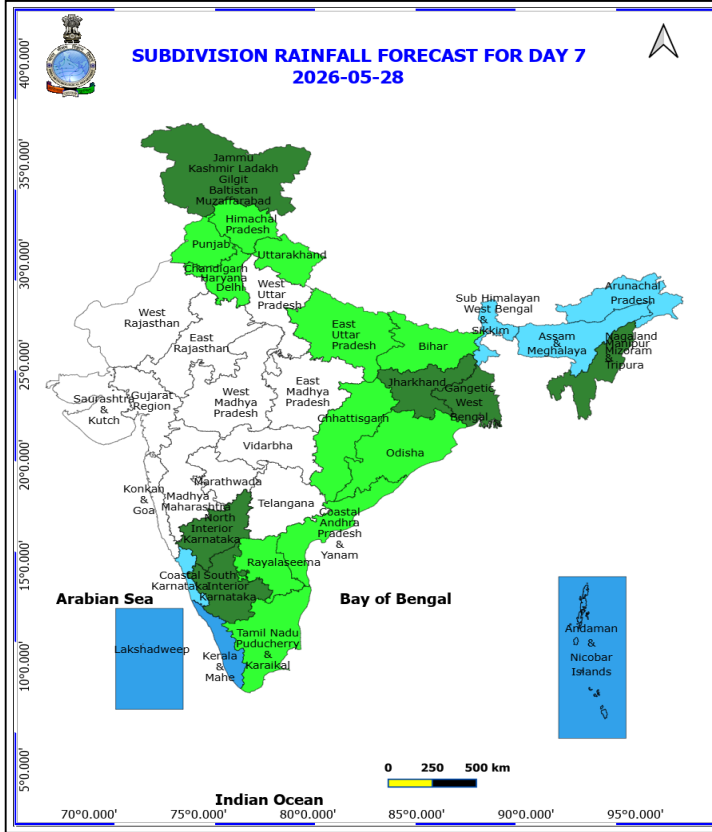
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia coast, adjoining some parts of southwest Arabian Sea.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over many parts of south Bay of Bengal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over some parts of southwest Bay of Bengal.



27 May (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal and Jharkhand.
- ❖ **Heat Wave conditions** likely at isolated places over East Rajasthan, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Vidarbha, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over East Madhya Pradesh, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab and West Rajasthan.

No Fishermen Warning



28 May (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal and Jharkhand.
- ❖ **Heat Wave conditions** likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Uttarakhand, Vidarbha, West Madhya Pradesh and West Uttar Pradesh.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over East Madhya Pradesh, East Uttar Pradesh and West Rajasthan.

No Fishermen Warning

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Table-1

7 Days Rainfall Forecast

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

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 2026-05-21

Fig. 2: Departure of Maximum Temp. Dated 2026-05-21

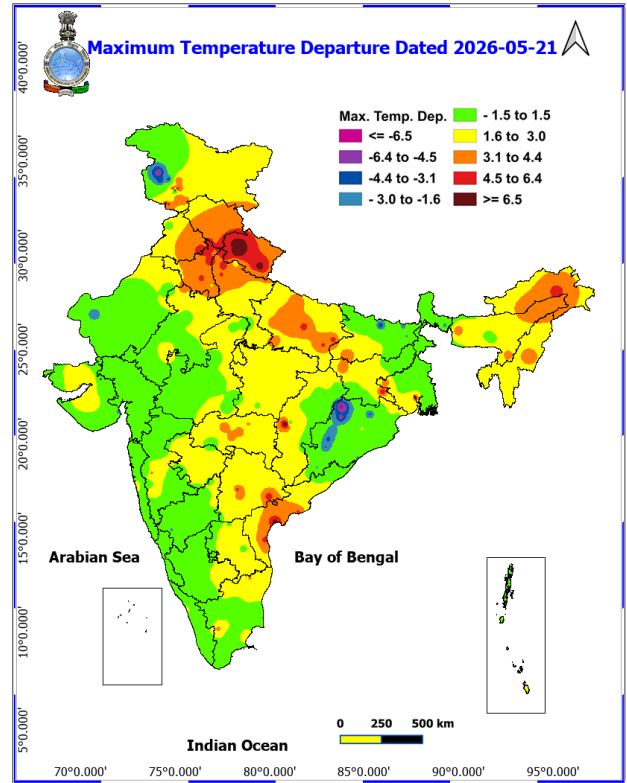
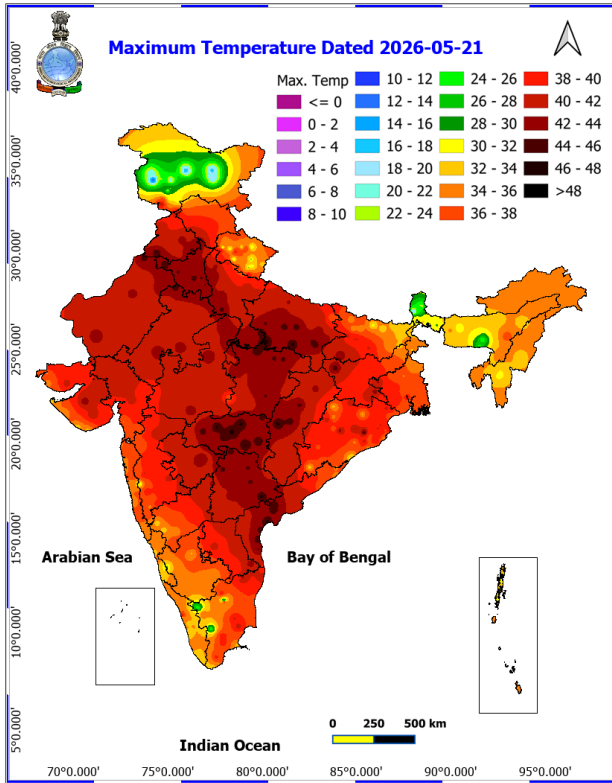
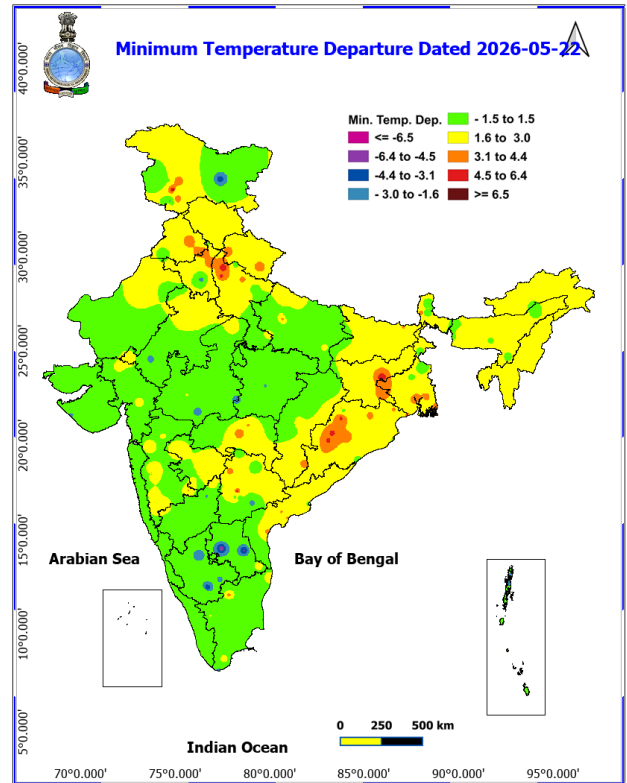
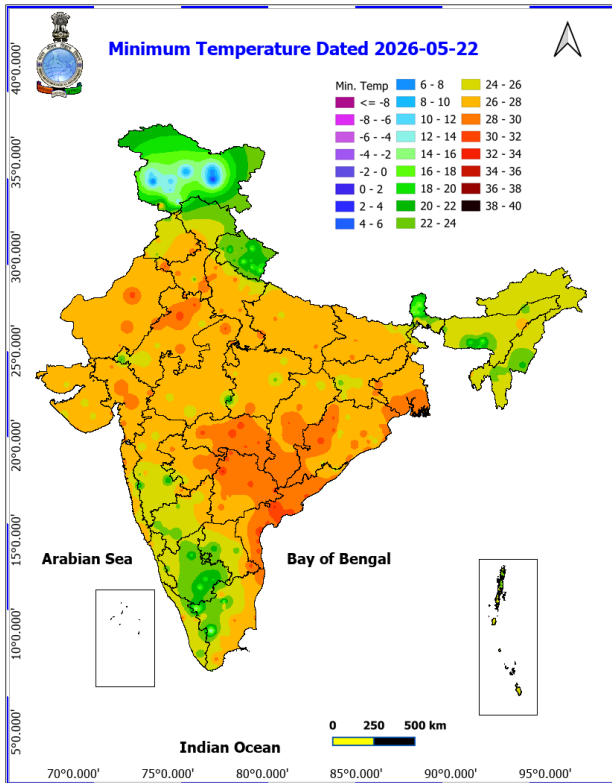
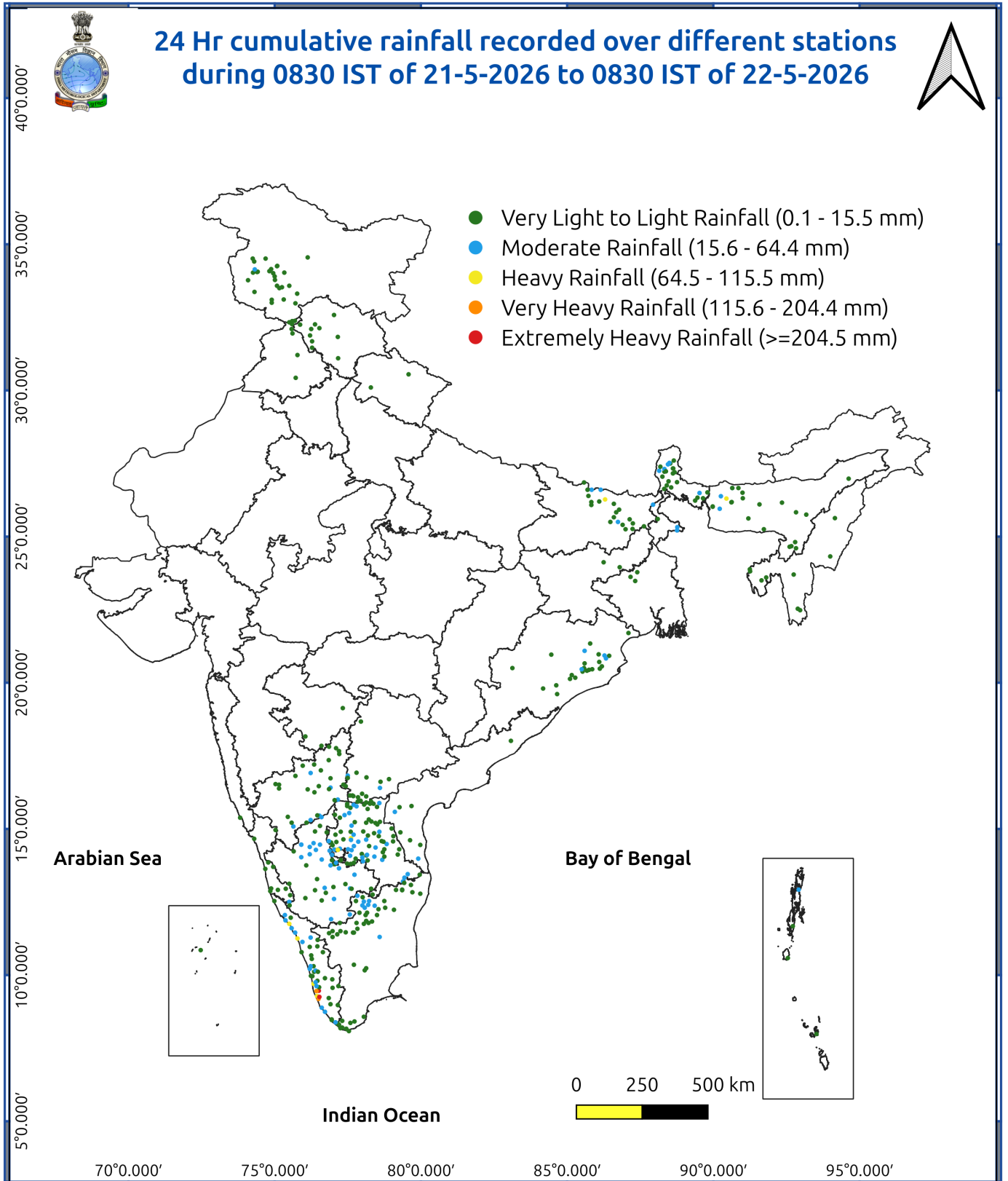


Fig. 3: Minimum Temperatures Dated 2026-05-22

Fig. 4: Departure of Minimum Temp. Dated 2026-05-22





Impact and Actions

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

- **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd-27th; Assam & Meghalaya, Kerala & Mahe during 22nd-28th; Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka during 22nd-24th; Sub-Himalayan West Bengal & Sikkim, Tamil Nadu & Lakshadweep during 22nd-26th; North Interior Karnataka & Rayalaseema on 22nd & 23rd; Bihar on 25th May; with isolated very heavy rainfall over Sub-Himalayan West Bengal & Sikkim on 22nd & 23rd; Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th 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 over

- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd & 23rd May; Gangetic West Bengal & Odisha on 22nd; Jharkhand on 24th & 25th and Bihar on 25th May.
- **Isolated Hailstorm activity** likely at isolated places over Uttarakhand, Odisha & North Interior Karnataka on 22nd May; Himachal Pradesh on 22nd & 23rd 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.

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- 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 to severe heat wave conditions** likely to continue to prevail over plains of northwest India, central & East India, parts of Peninsular during next 6-7 days.

Red alert Areas (Uttar Pradesh)

- Very high likelihood of developing heat illness and heat stroke in all ages.
- Extreme care needed for vulnerable people.

Orange alert Areas (many parts of Northwest & Central India)

- 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.

Yellow alert Areas (some parts of north Peninsular India)

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Hailstorms

- In **Himachal Pradesh and 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 and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Nagaland**, Maintain drainage in low-lying areas and in crop fields (potato, foxtail millet. Keep the maize field covered with locally available mulch, such as farm residue or paddy straw. Provide propping to the banana plant to prevent lodging.
- In **Manipur**, postpone sowing of soybean and groundnut. Drain out excess rainwater and top-dress the crop

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after the current rain spells. Avoid rainwater stagnation for long periods in crop fields (chilli, ginger, turmeric, banana, etc.).

- In **Mizoram**, create drainage channels surrounding the rice fields and utilize grass mulch to cover the seeds. Provide support to fruit-bearing or partially lodge plants/trees. Propping should be done to prevent maize plants from lodging.
- **Tripura** - Ensure proper drainage to prevent standing water in vegetable, watermelon, and orchard fields
- In **Sub-Himalayan West Bengal and Sikkim**, 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 **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants?
- **Lakshadweep**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing-crop fields to prevent waterlogging.
- In **South Interior Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.
- In **Andhra Pradesh - Rayalaseema** - Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Punjab**, apply light and frequent irrigation to vegetable, moong fruit plants orchards and onion nurseries.
- In **Haryana**, maintain adequate irrigation in standing sugarcane, cotton and summer fodder crops. Complete paddy nursery preparation with assured irrigation facilities and adopt mulching/moisture conservation practices to reduce water stress in newly sown crops
- In **Uttar Pradesh**, provide frequent irrigation and mulching for standing crops such as maize, green gram, black gram, sugarcane, sunflower, vegetables, and fruit plants such as mango, banana, and papaya.
- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter gourd, and summer ladyfinger, as well as to young fruit plants such as mango, amla, pomegranate, wood apple, and plum. Undertake soil mulching/mulching with straw/polythene to reduce water loss by evaporation.
- In **Bihar**- Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- In **Jharkhand**, provide light at frequent intervals for pulses and vegetables.
- In **Odisha** - Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- In **Vidarbha**, provide light and frequent irrigation to vegetables and orchards during morning or evening hours, with increased frequency during critical growth stages. 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.
- In **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.
- In **Coastal Andhra Pradesh** regions experiencing hot and humid conditions, apply light irrigation to summer crops and vegetables to maintain soil moisture.
- Apply mulching to conserve soil moisture in the standing crops.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

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

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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 & abbreviations:

Heavy Rain:64.5115.5mm, Very Heavy Rain:115.6204.4mm, Extremely Heavy Rain: >204.4mm.

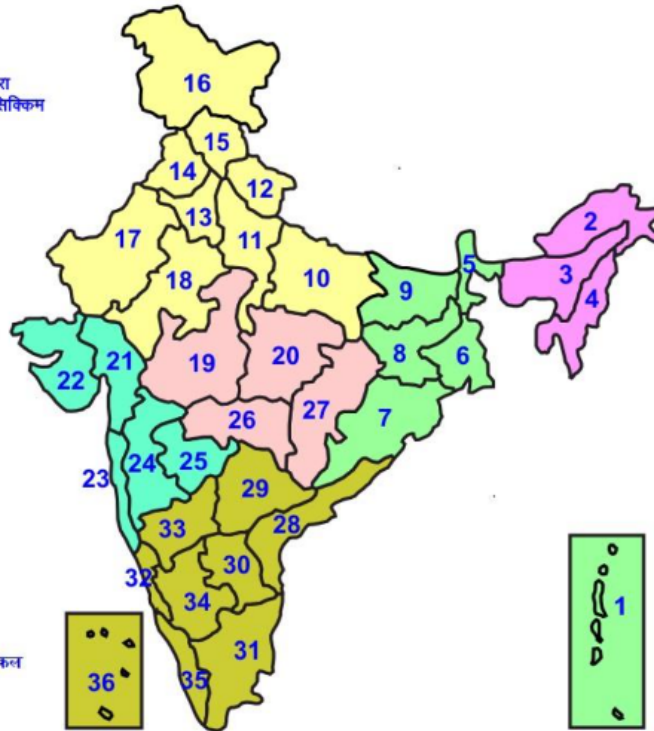
Obsy: Observatory, Automatic Weather Station, ARG: Automatic Rain Gauge, dist: District: NH: National Highway, KVK: Krishi Vigyan Kendra, DVC: Damodar Valley Corporation, PTO: Part Time Office, Aero: Aerodrome, IAF: Indian Air Force.

Region wise classification of meteorological Sub-Divisions:

- Northwest India: Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand), Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- Central India: West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- East India: Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- West India: Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
- South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा 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 | Hailstrom | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

*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

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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°C to 6.4°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°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°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°C to -6.4°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°C to -6.4°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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