

2026-05-18

Time of Issue: 14:08:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Advance of Southwest Monsoon 2026:

- **Southwest monsoon** has further advanced into some more parts of southeast Arabian Sea, some parts of Comorin area, some more parts of southwest and southeast Bay of Bengal, most parts of Andaman Sea, entire Andaman & Nicobar Islands and some parts of eastcentral Bay of Bengal on today, the 18th May 2026.
- **The Northern Limit of Monsoon** now passes 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 3-4 days.
- The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of ± 4 days.

Weather warnings

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 on 18th with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** over Assam & Meghalaya on 18th with **thunderstorm, lightning** on Arunachal Pradesh on 18th, 19th and during 22nd – 24th; Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 19th- 22nd May.
- **Isolated heavy rainfall** likely over Arunachal Pradesh on 18th, 22nd, Assam & Meghalaya on 18th 21st & 22nd Nagaland, Manipur & Mizoram on 18th & 19th and during 22nd – 24th with **isolated very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 23rd & 24th, Tripura on 18th May.

South Peninsular India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 50-60 kmph)** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema during 20th – 22nd; Interior Karnataka on 18th with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Kerala & Mahe, Lakshadweep, during 18th – 22nd; Coastal Karnataka on 18th & 19th; Interior Karnataka; Coastal Andhra Pradesh & Yanam; Rayalaseema on 19th; Telangana during 18th – 20th May; with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Coastal Karnataka; North Interior Karnataka during 20th – 22nd; Coastal Andhra Pradesh & Yanam, Rayalaseema on 18th
- **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, South Interior Karnataka 18th & 19th, Kerala & Mahe on 19th, Lakshadweep on 18th, 19th, 23rd & 24th; Coastal Karnataka, North Interior Karnataka on 18th; with **isolated very heavy rainfall** over Kerala & Mahe on 18th May.
- **Hailstorm activity likely** at isolated places over Interior Karnataka, Coastal Karnataka on 18th May.

East India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 19th – 24th; Sub-Himalayan West Bengal & Sikkim on 18th and during 20th – 23rd; Gangetic West Bengal on 18th, 21st & 22nd; Bihar on 18th and during 22nd – 24th; Odisha on 18th & 19th and during 22nd – 24th; with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 19th & 24th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 18th; Gangetic West Bengal on 19th & 20th, Bihar during 19th – 21st, Jharkhand on 18th & 20th, Odisha on 20th & 21st May
- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 21st, 23rd & 24th May with **isolated very heavy rainfall** over **Sub-Himalayan West Bengal &**

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Sikkim on 22nd May.

Northwest India:

- **Scattered to Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 19th – 22nd; Uttarakhand during 20th -22nd May; with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Himachal Pradesh on 21st & 22nd May.
- Strong surface winds (**speed reaching 20-30 kmph gusting to 40 kmph**) over Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh during 18th – 24th May.

Central India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh & Vidarbha, Chhattisgarh on 18th May.

West India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Maharashtra, Konkan & Goaduring 18th – 20th; Marathawada on 18th May.

Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 2-3°C likely over many parts of Northwest India during 18nd -24th May.
- No significant change in maximum temperatures likely over Maharashtra and Gujarat State till 19th and gradual fall by 2-3°C during 20th -24th May.
- Gradual rise in maximum temperatures by 3-4°C likely over parts of Chhattisgarh till 21st May and no significant change during 21st – 24th May.
- No significant change in maximum temperatures likely over rest parts of the country till 24th May 2026.

Heat Wave, Hot & Humid weather conditions warning:

- **Heat wave conditions** in isolated pockets likely to prevail over Jammu-Kashmir-Ladakh, Madhya Maharashtra on 18th; Punjab, Haryana Chandigarh & Delhi, Madhya Pradesh during 18th -24th; Vidarbha during 18th – 23rd; Chhattisgarh; Coastal Andhra Pradesh & Yanam during 20th – 24th; Bihar on 18th & 19th; Marathawada on 18th & 19th; Telangana during 19th – 21st May.
- **Heat wave conditions** over a few pockets likely to prevail over Uttar Pradesh on 18th with **Heat wave to severe heat wave conditions** over few pockets over West Uttar Pradesh during 19th – 24th May;
- **Heat wave conditions** over a few pockets likely to prevail over East Uttar Pradesh on 18th with **Heat wave to severe heat wave conditions** over few pockets over East Uttar Pradesh during 19th & 20th over isolated pockets during 21st 24th May;
- **Warm Night conditions** in isolated pockets likely to prevail over west Uttar Pradesh on 18th & 19th May.
- **Hot and humid conditions** in isolated pockets likely to prevail over Odisha during 18th – 22nd; Gujarat Region on 18th; Coastal Andhra Pradesh & Yanam on 19th May.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim and Kerala & Mahe; **at many places** over Assam & Meghalaya, Coastal Karnataka, North Interior Karnataka and Lakshadweep; **at a few places** over Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka; **at isolated places** over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Telangana and Rayalaseema; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Sub Himalayan West Bengal & Sikkim:** Jhallong (dist Kalimpong) 20; Alipurduar PTO (dist Alipurduar), Newlands Tea Garden (dist Alipurduar) 11 Each; Diana Tea Estate (dist Jalpaiguri) 9; Buxaduar (dist Alipurduar), Majherdabri Tea Garden (dist Alipurduar), Sankos Tea Estate (dist Alipurduar) 8 Each; Barobhisha (dist Alipurduar), Dalgaon Tea Estate (dist Alipurduar), Kumargram (dist Alipurduar) 7 Each; Tadong (dist Gangtok), Mekhliganj (dist Cooch Behar), Chepan (dist Alipurduar), Ghughumari (dist Cooch Behar), Jiti T.e. (dist Jalpaiguri), Patkapara Tea Estate (dist Alipurduar), Raidak Tea Estate (dist Alipurduar) 6 Each; **Kerala & Mahe:** Kozhikode (dist Kozhikode) 10; Quilandi (dist Kozhikode), Kannur (dist Cannur), Cherthala (dist Alapuzha), Aralam AWS (dist Cannur) 9 Each; Angadipuram (dist Malappuram), Perumpavur (dist Ernakulam) 8 Each; Tellichery (dist Cannur), Alwaye PWD (dist Ernakulam) 7 Each; Kumarakam (dist Kottayam), Palakkad (dist Palakkad), Vaikom (dist Kottayam), Munakkal AWS (dist Thrissur) 6 Each; **Tamil Nadu, Puducherry & Karaikal:** Chinnakalar (dist Coimbatore) 9; Ponnaniyar Dam (dist Trichy) 6; **Nagaland, Manipur, Mizoram & Tripura:** Lembuchhera (dist West Tripura) 8; Arundhutinagar (dist West Tripura) 6; **Konkan & Goa:** Quepem (dist South Goa) 8; **North Interior Karnataka:** Gadag PBO (dist Gadag) 8; **Arunachal Pradesh:** Seppa (dist East Kameng) 7; **Assam & Meghalaya:** Resubelpara Aws (12), Badatighat (dist Lakhimpur), Khowang (dist Dibrugarh) 7 Each; Tikrikilla (dist West Garo Hills), Kokrajhar (dist Kokrajhar) 6 Each.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rain** at isolated places over Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya. **Heavy rain** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe.

❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-140 kmph** prevailed at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Odisha, Assam & Meghalaya, West Uttar Pradesh, Madhya Maharashtra, Gujarat Region and **with speed reaching 30-50 kmph** prevailed at isolated places over East Uttar Pradesh, Haryana, Punjab, Saurashtra Kutch, West Madhya Pradesh, Marathwada, Tamil Nadu, Puducherry & Karaikal, Bihar, Uttarakhand, East Madhya Pradesh, Konkan & Goa, Jammu-Kashmir-Ladakh, Chhattisgarh, Vidarbha.

❖ **Heat wave condition** realised over few pockets over Vidarbha and isolated places over West Madhya Pradesh.

❖ **Minimum Temperature Departures (as on 18-05-2026): markedly above normal(> 5.1°C)** at few places over West Madhya Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, East Rajasthan, Gujarat Region, Saurashtra & Kutch and Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at most places over Coastal Andhra Pradesh & Yanam; at few places over West Rajasthan; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at most places over Rayalaseema; at few places over Bihar and North Interior Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Punjab. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands and Lakshadweep; at most places over Chhattisgarh, South Interior Karnataka and Kerala & Mahe; at few places over Arunachal Pradesh and Coastal Karnataka. **The lowest minimum temperature** of 17.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 17-05-2026): markedly above normal(> 5.1°C)** at most places over Himachal Pradesh and West Madhya Pradesh; at few places over East Uttar Pradesh, West Uttar Pradesh and East Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Coastal Andhra Pradesh &

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Yanam. **above normal(1.6°C to 3.0°C)** at most places over West Rajasthan; at isolated places over Rayalaseema. **near normal(-1.5°C to 1.5°C)** at most places over Tamil Nadu, Puducherry & Karaikal; at few places over Kerala & Mahe. **The highest maximum temperature** of 46.4°C was reported at BANDA (UTTAR PRADESH).

Meteorological Analysis (Based on 0830 hours IST)

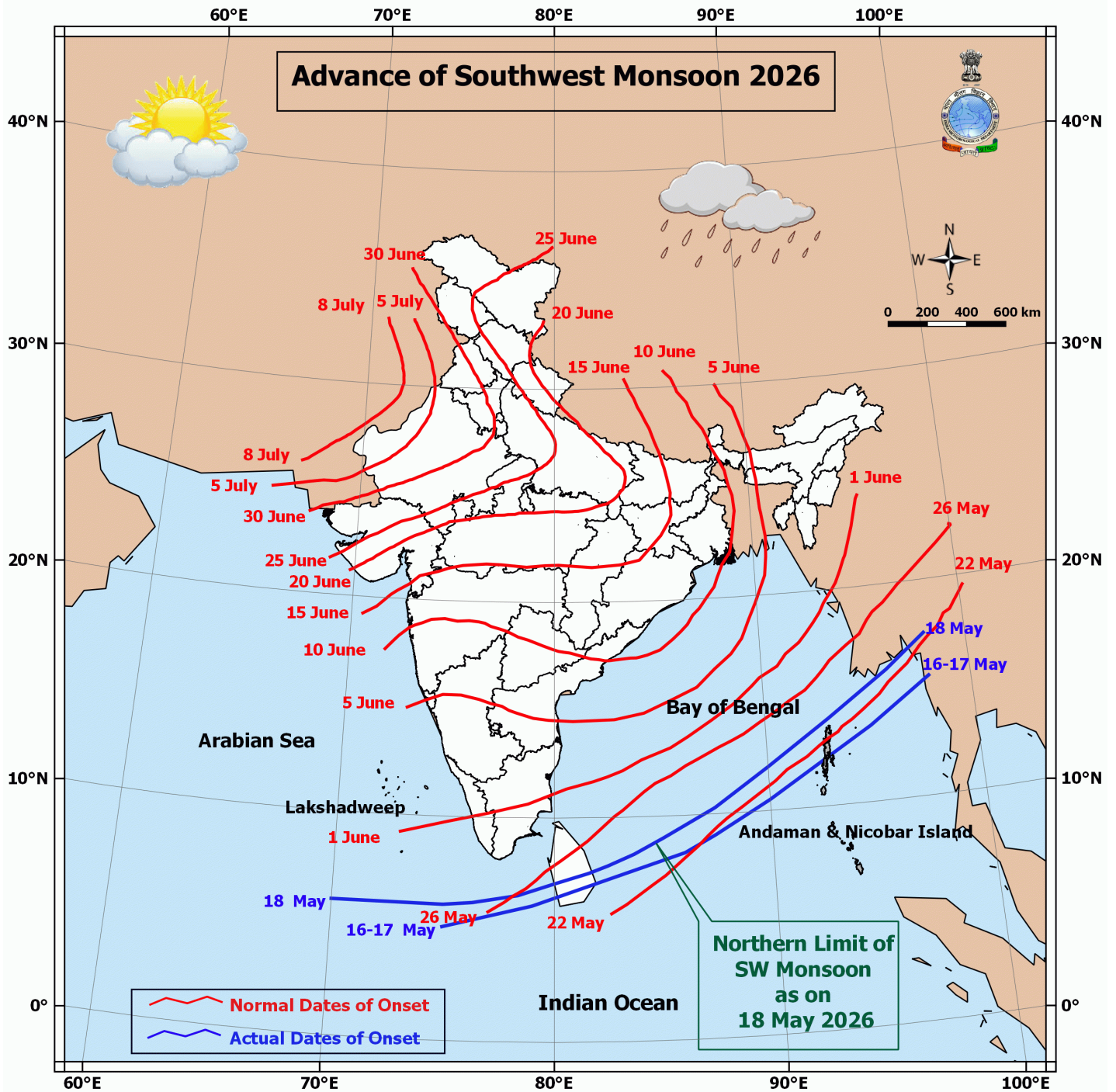
- **Southwest monsoon** has further advanced into some more parts of southeast Arabian Sea, some parts of Comorin area, some more parts of southwest and southeast Bay of Bengal, most parts of Andaman Sea, entire Andaman & Nicobar Islands and some parts of eastcentral Bay of Bengal on today, the 18th May 2026.
- **The Northern Limit of Monsoon** now passes 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 3-4 days.
- The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of ± 4 days.
- The **Western Disturbance** as a cyclonic circulation over north Iran & neighbourhood persists and now seen between 5.8 & 7.6 km above mean sea level.
- The **upper air cyclonic circulation** over East Uttar Pradesh now lies over northeast Uttar Pradesh & adjoining Bihar and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Bihar now lies over Sub-Himalayan West Bengal & neighbourhood at 0.9 km above mean sea level.
- The **trough** now runs from the West Madhya Pradesh to Lakshadweep area across Madhya Maharashtra, Marathwada, Interior Karnataka & Kerala and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over south Coastal Andhra Pradesh & neighbourhood between 3.1 & 5.8 km above mean sea level.
- A **trough** runs from southeast Arabian Sea adjoining south Lakshadweep area to the above cyclonic circulation over south Coastal Andhra Pradesh across Kerala, South Interior Karnataka and Rayalaseema between 3.1 & 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Tamil Nadu and neighbourhood at 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over West Madhya Pradesh and neighbourhood at 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over west Vidarbha & neighbourhood at 0.9 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over central Assam & neighbourhood at 0.9 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over Comorin Area & neighbourhood at 3.1 km above mean sea level has become less marked.

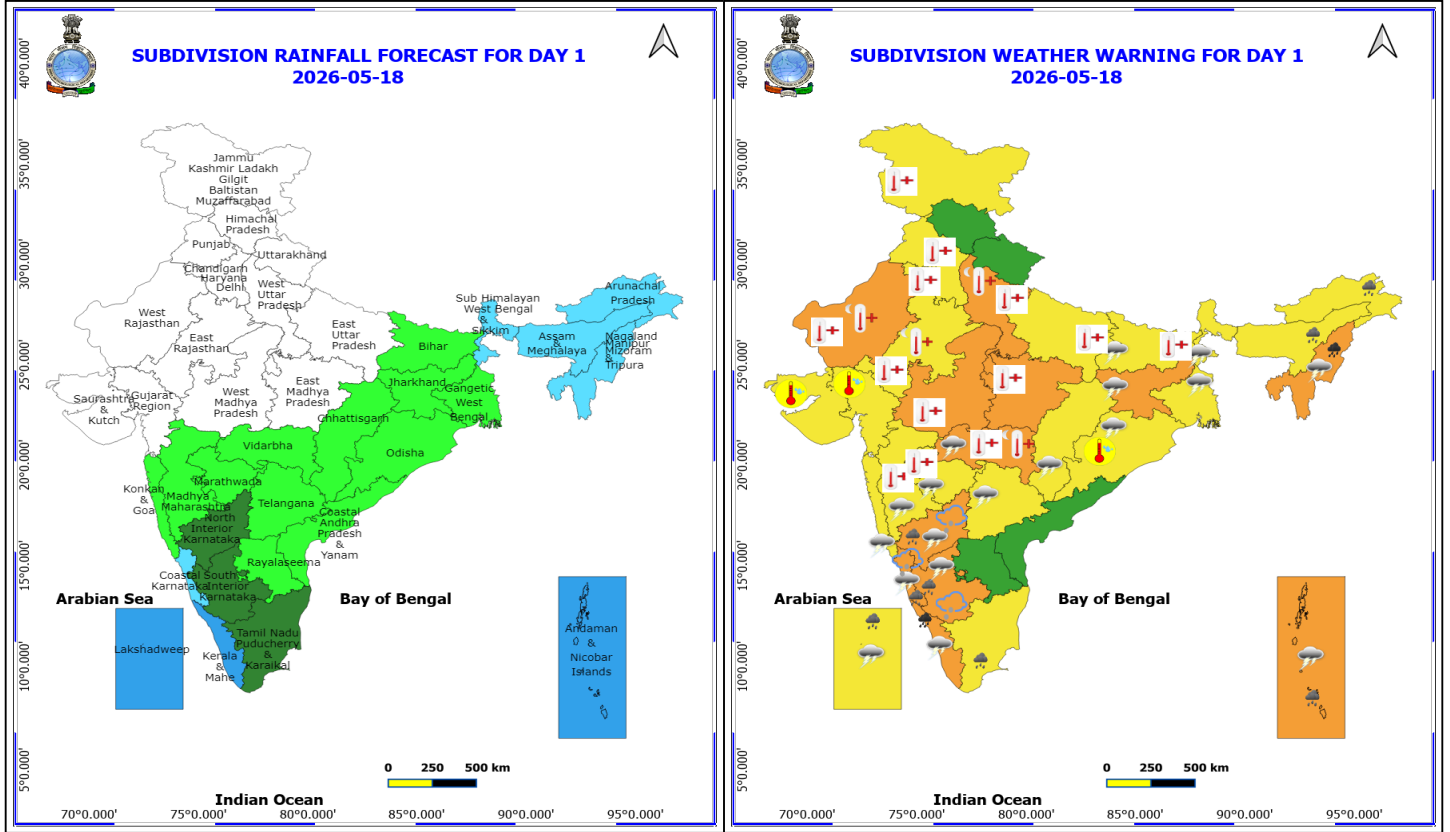
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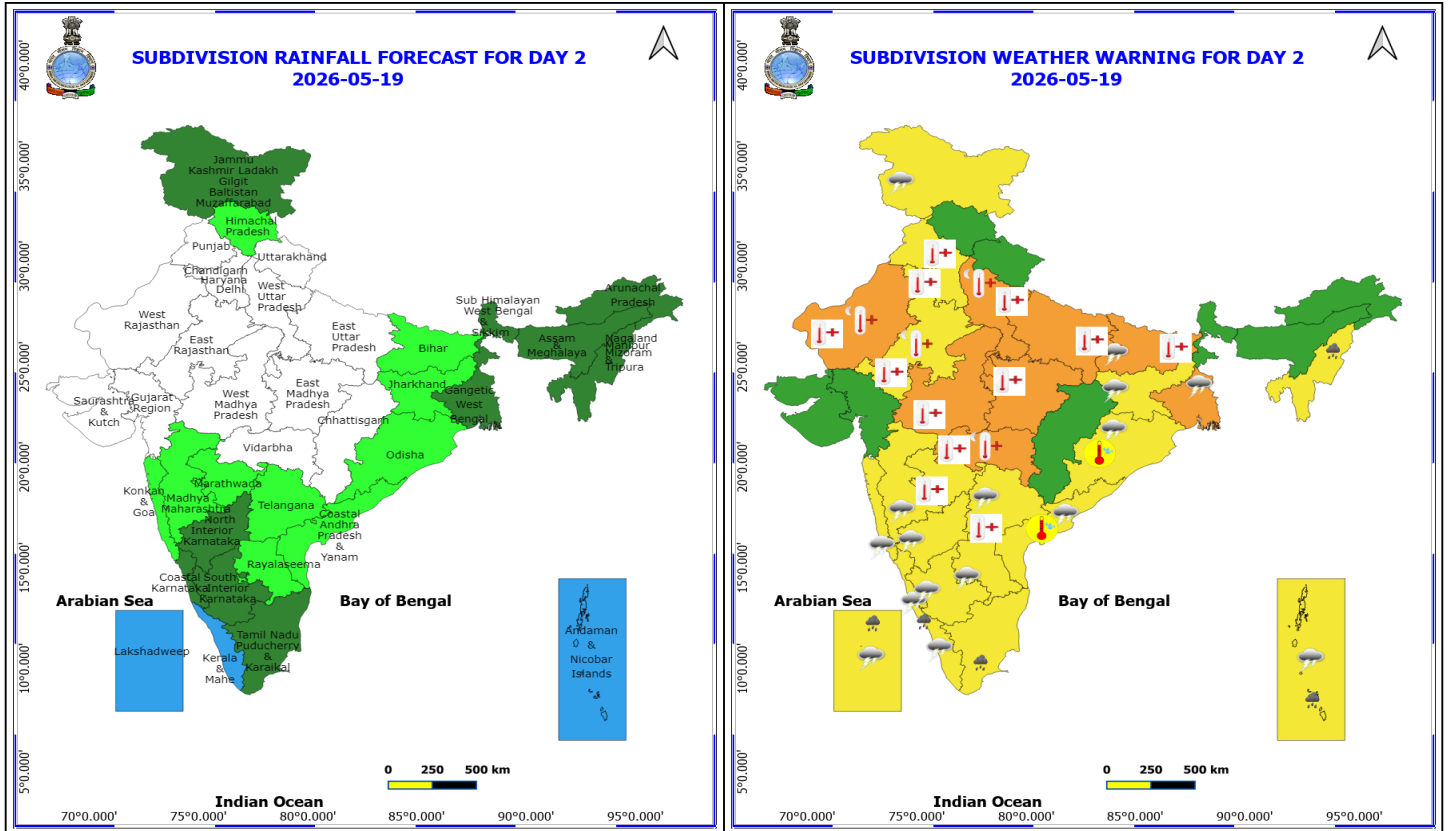
18 May (Day 1)

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

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- ❖ **Hot and Humid weather** very likely at isolated places over Gujarat State and Odisha.
 - ❖ **Warm Night conditions** very likely at isolated places over Rajasthan, Vidarbha and West Uttar Pradesh.
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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, over Lakshadweep area, adjoining Comorin area.
 - ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia coast, adjoining 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, adjoining Comorin area, along and off Sri Lanka coast, adjoining parts of southwest Bay of Bengal, most parts of southeast adjoining eastcentral Bay of Bengal, over Andaman Sea.



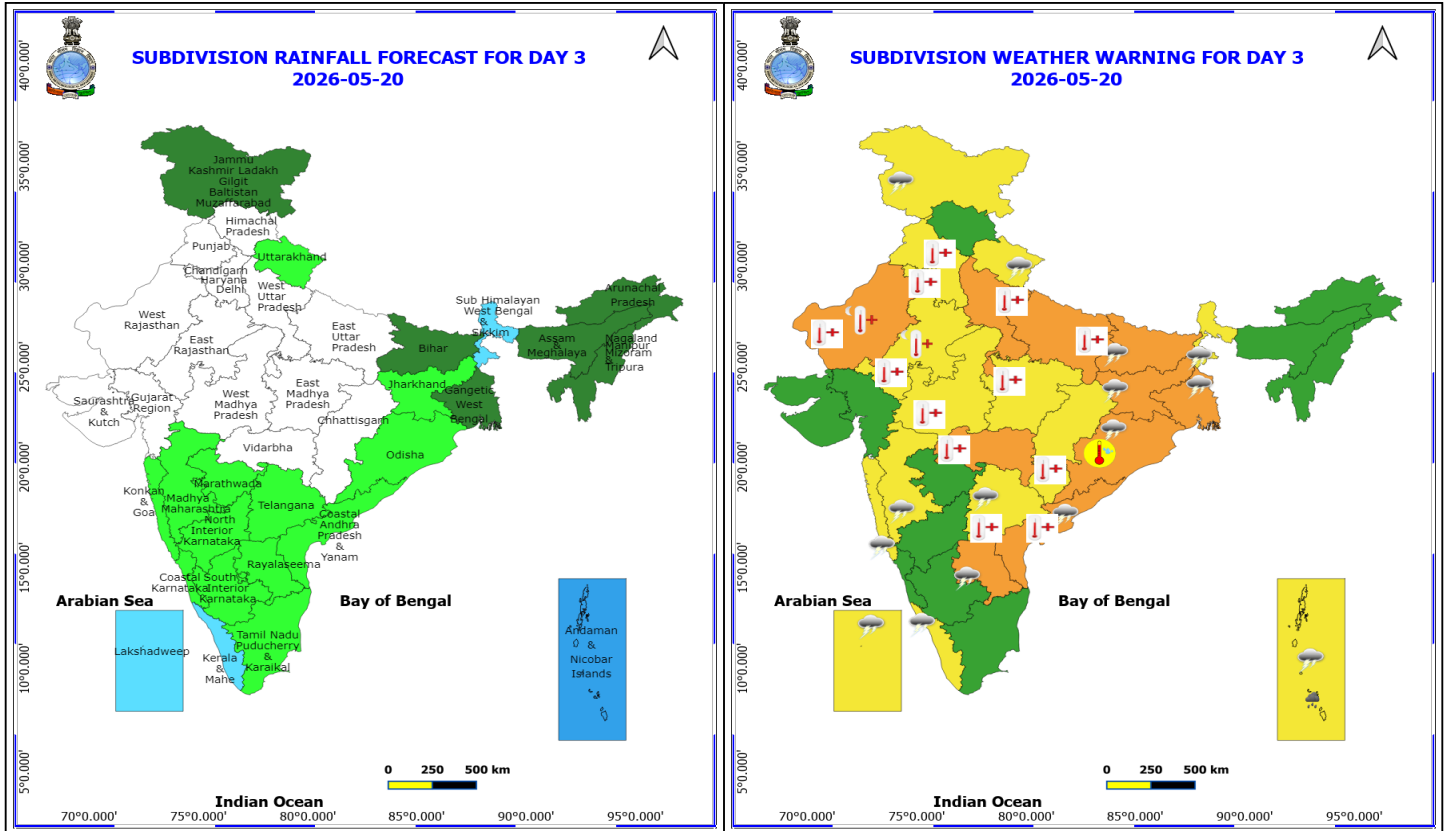
19 May (Day 2)

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

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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, over Lakshadweep area, adjoining Comorin area.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off south Somalia coast, adjoining southwest Arabian Sea, few parts of southwest Bay of Bengal.
- ❖ **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 southwest and most parts of southeast Bay of Bengal, over Andaman Sea.



20 May (Day 3)

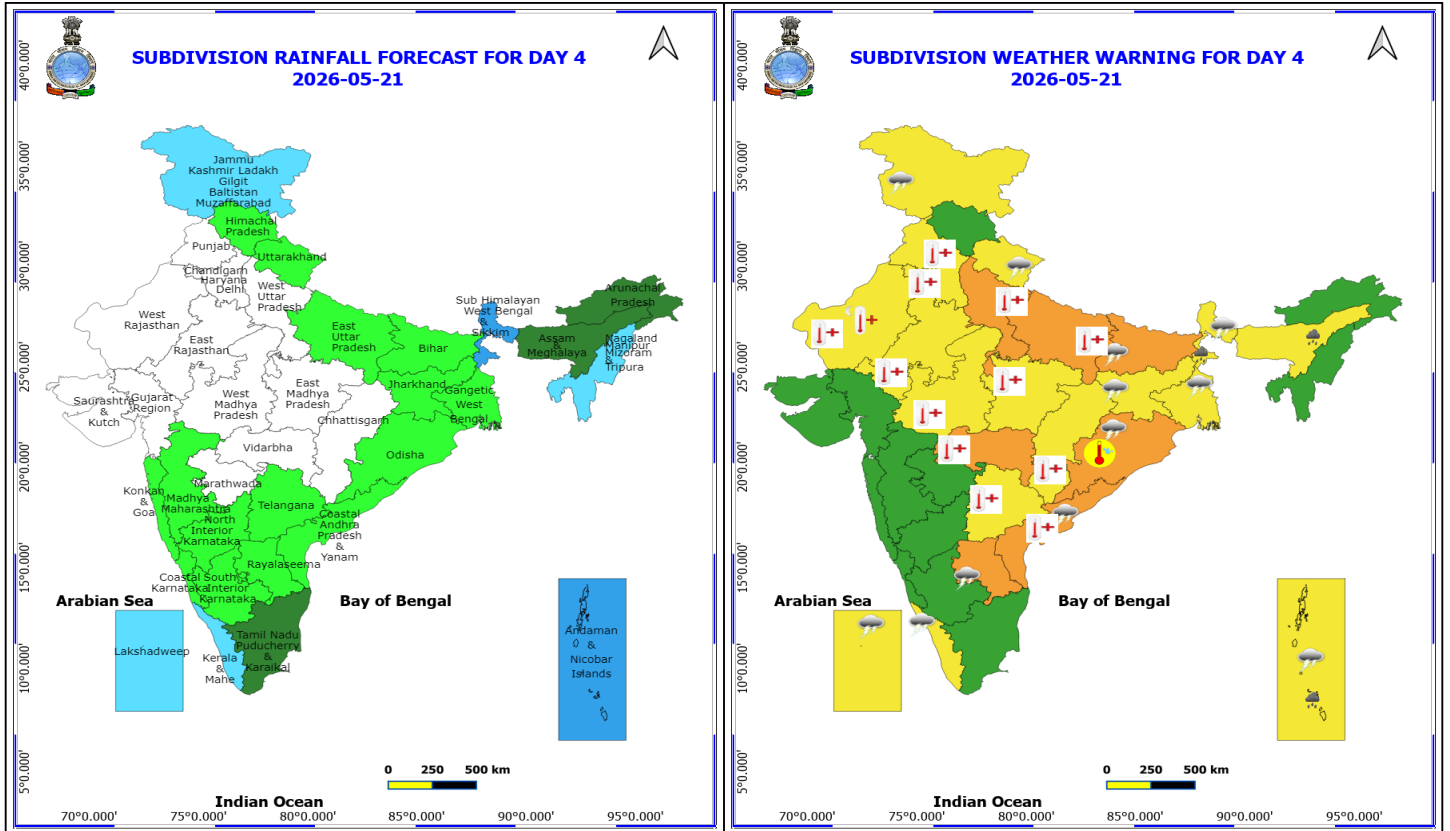
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands.
 - ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Gangetic West Bengal, Jharkhand and Odisha.
 - ❖ **Thunderstorm accompanied with lightning & gusty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

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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 southwest and most parts of southeast Bay of Bengal, over Andaman Sea.



21 May (Day 4)

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

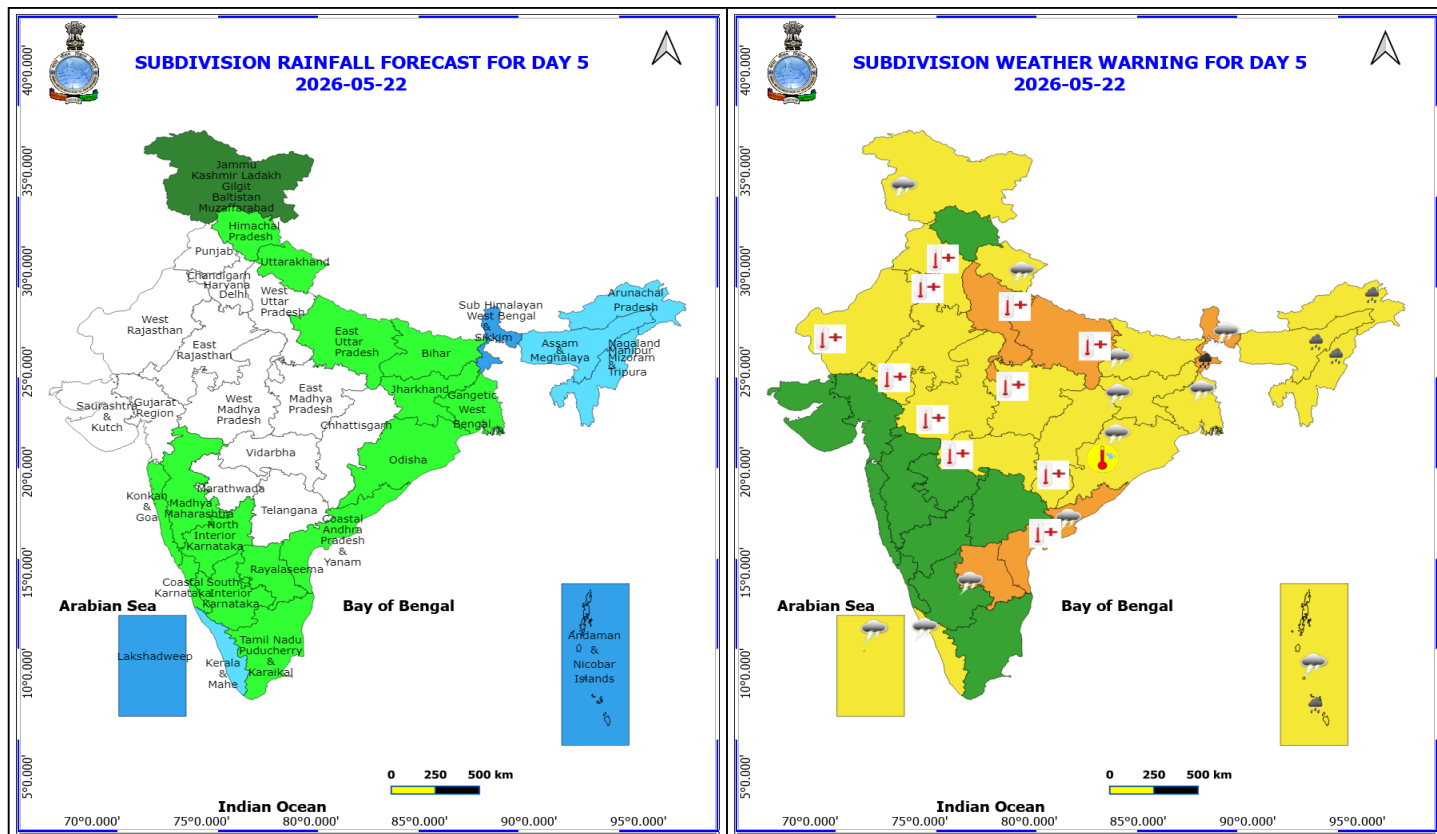
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south Somalia coast, adjoining & some parts of southwest Arabian Sea.

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



22 May (Day 5)

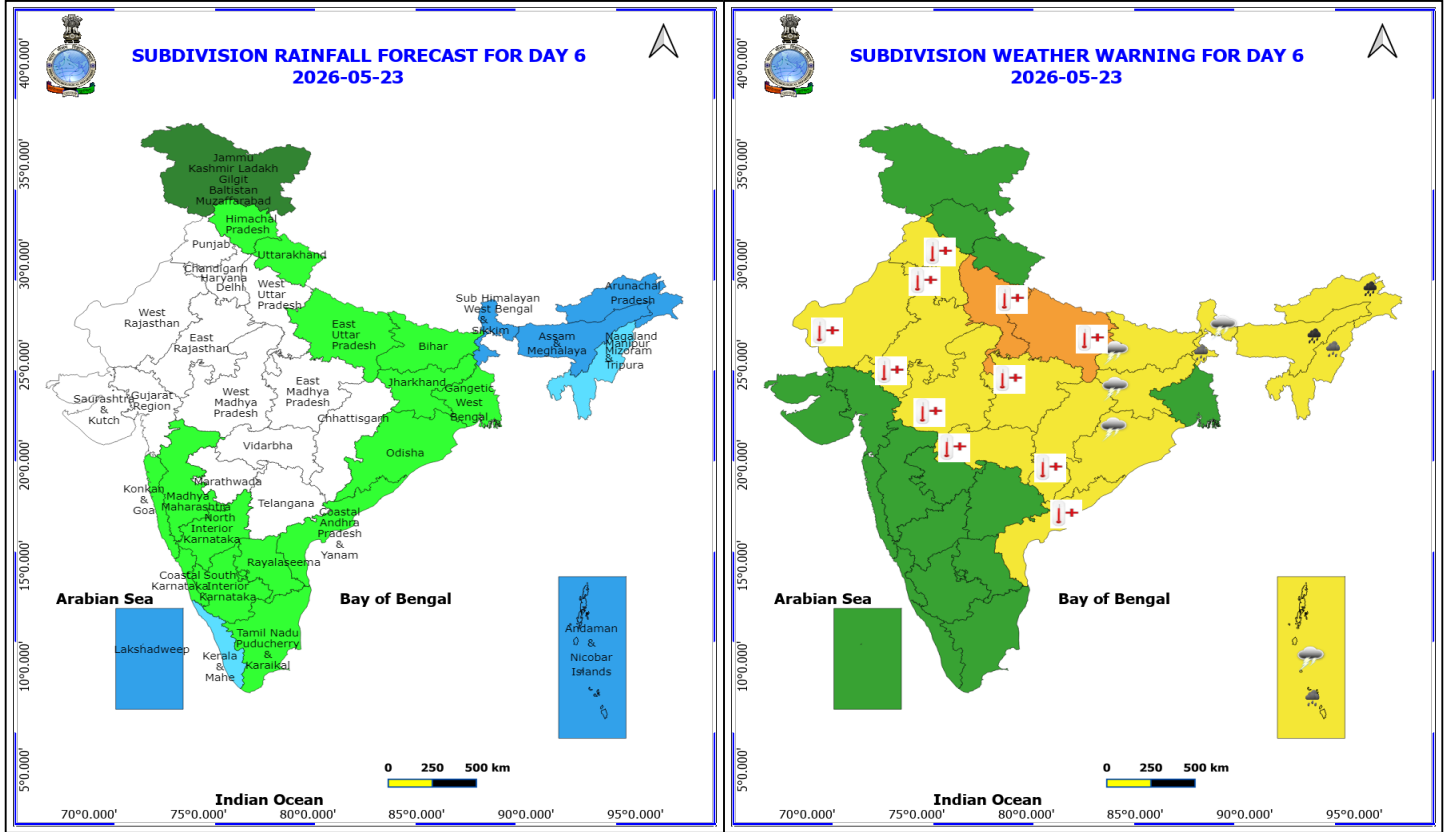
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Lakshadweep, Odisha, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh and Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.
- ❖ **Hot and Humid weather** likely at isolated places over Odisha.
- ❖ **Arabian Sea: Squally weather with wind speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off south Somalia coast, adjoining & some parts of southwest Arabian Sea.

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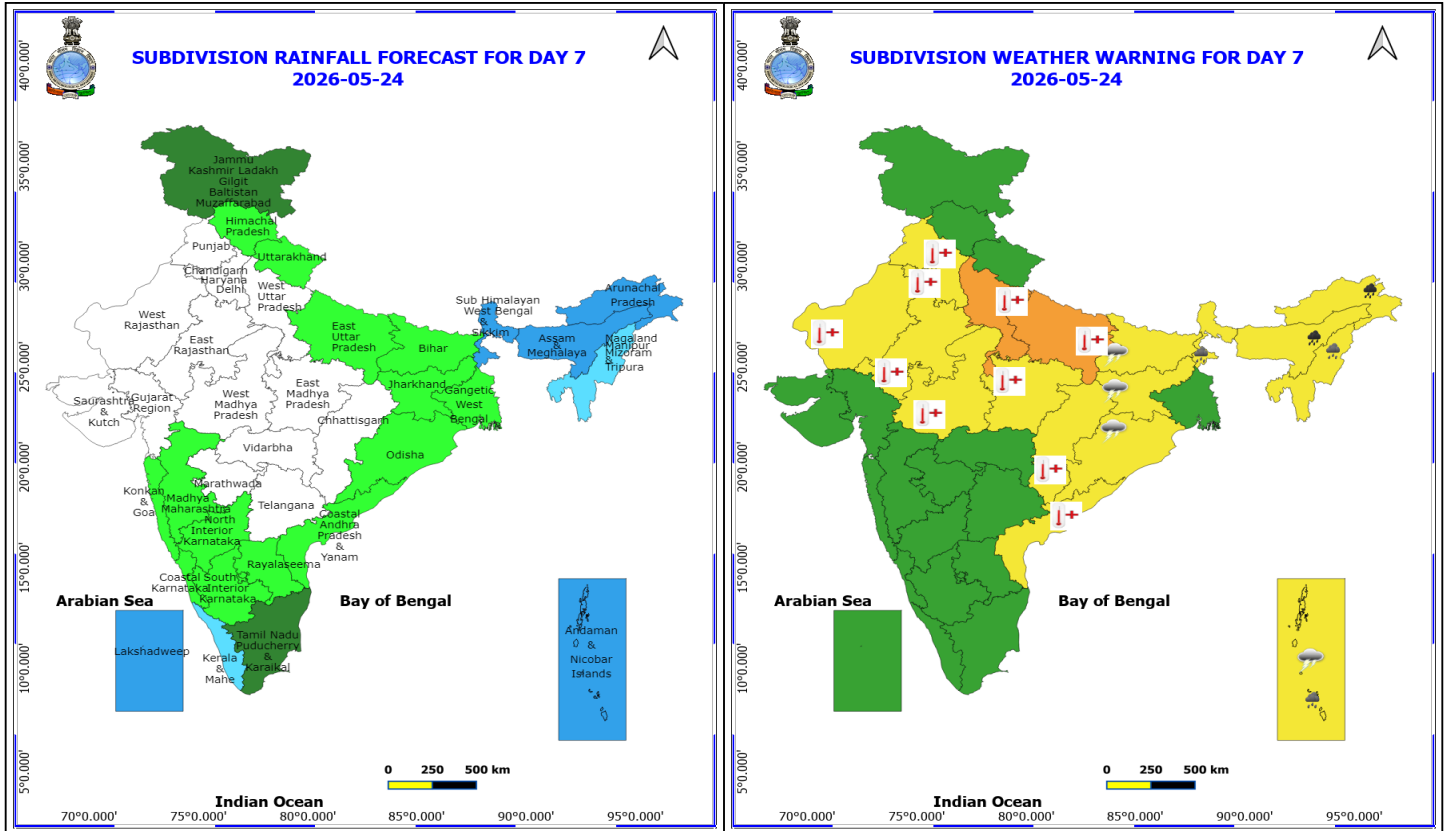
❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Comorin area, adjoining Maldives area, adjoining Gulf of Mannar, some parts of southwest and most parts of southeast Bay of Bengal, adjoining parts of eastcentral Bay of Bengal, over Andaman Sea.



23 May (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jharkhand, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.

No Fishermen Warning



24 May (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and Rajasthan.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	18-May	19-May	20-May	21-May	22-May	23-May	24-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	SCT	SCT	SCT	FWS	WS	WS
3	ASSAM & MEHGHALAYA	FWS	SCT	SCT	SCT	FWS	WS	WS
4	N. M. M. & T.	FWS	SCT	SCT	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	FWS	SCT	FWS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
9	BIHAR	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	ISOL	ISOL	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	DRY	ISOL	DRY	ISOL	ISOL	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	DRY	SCT	SCT	FWS	SCT	SCT	SCT
17	WEST RAJASTHAN	DRY	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	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	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
27	CHATTISGARH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	SCT	ISOL	ISOL	SCT
32	COSTAL KARNATAKA	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA	WS	WS	FWS	FWS	FWS	FWS	FWS
36	LAKSHDWEEP	WS	WS	FWS	FWS	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 2026-05-17

Fig. 2: Departure of Maximum Temp. Dated 2026-05-17

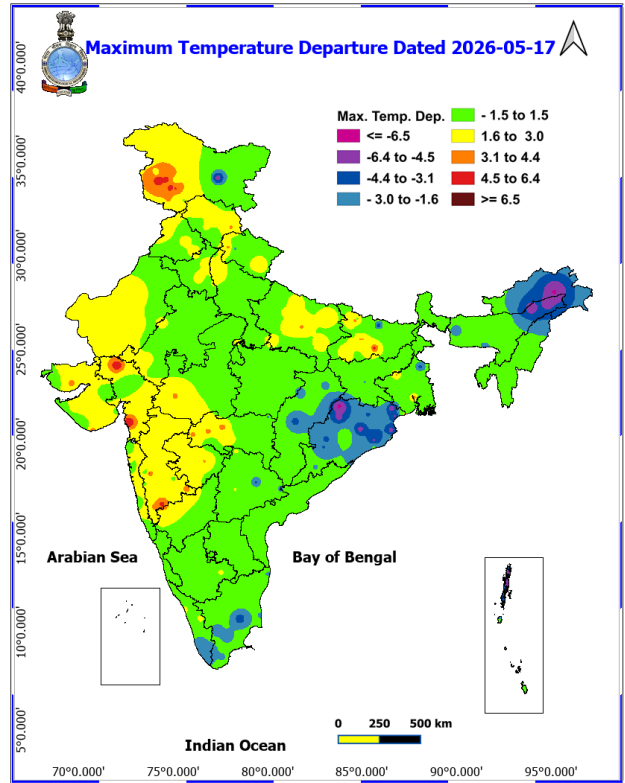
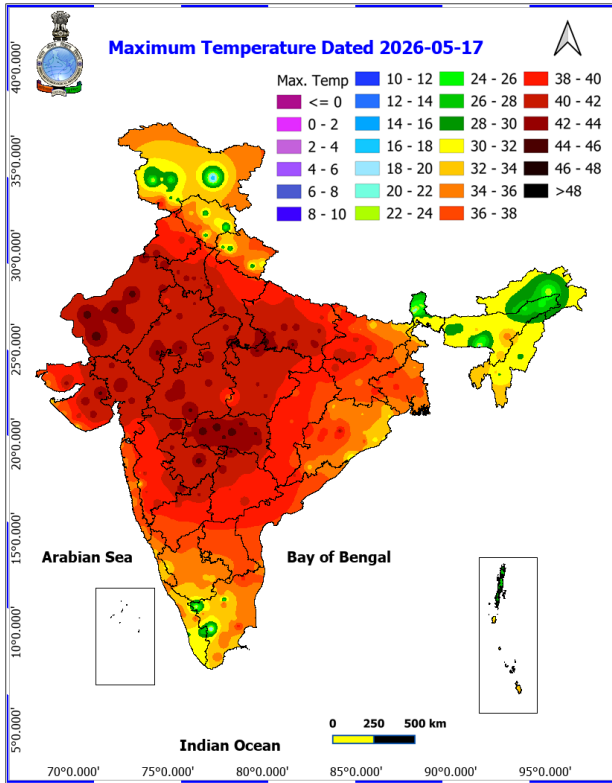
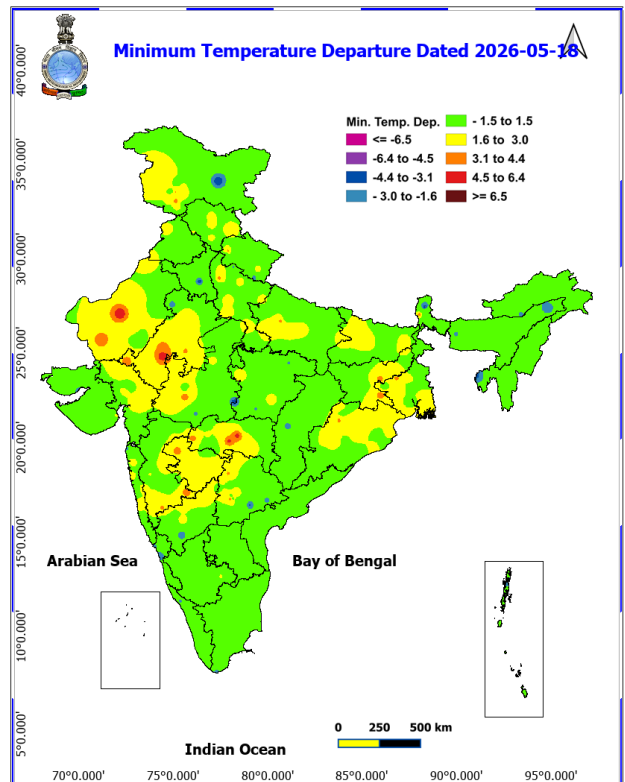
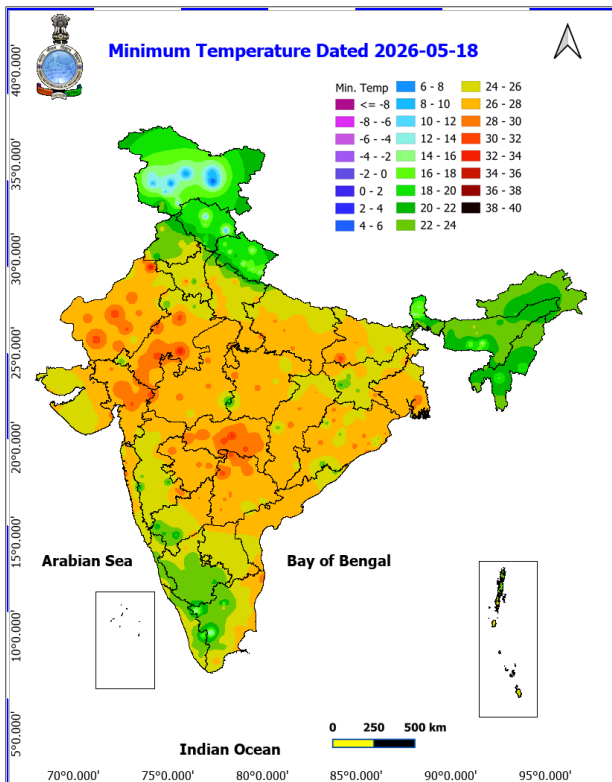
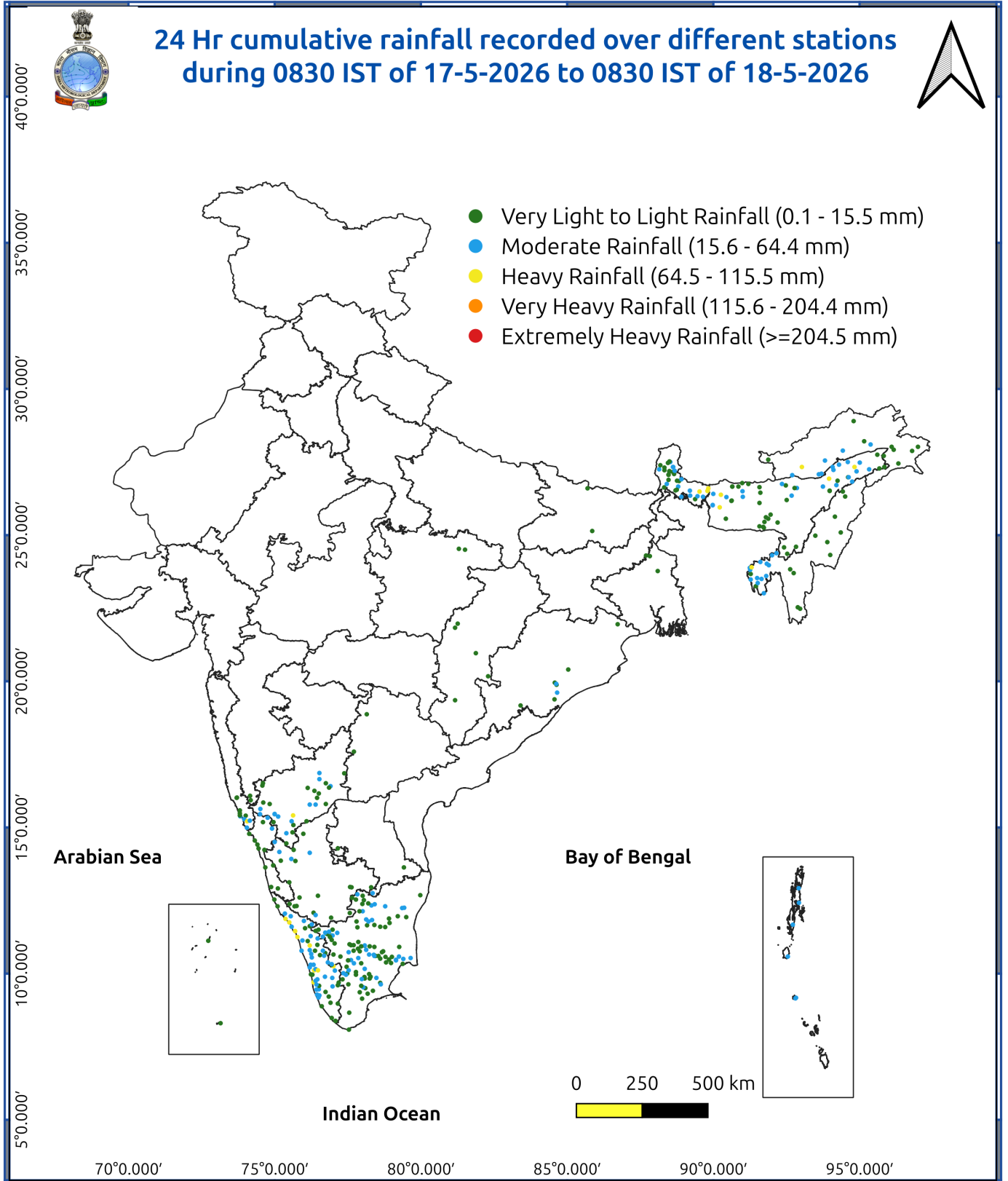


Fig. 3: Minimum Temperatures Dated 2026-05-18

Fig. 4: Departure of Minimum Temp. Dated 2026-05-18





Impact and Actions

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

- **Isolated heavy rainfall** likely over Arunachal Pradesh on 18th & 22nd, Assam & Meghalaya on 18th, 21st & 22nd May; Nagaland, Manipur & Mizoram on 18th & 19th and during 22nd – 24th May ; Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, South Interior Karnataka 18th & 19th May, Kerala & Mahe on 19th, Lakshadweep on 18th, 19th, 23rd & 24th; Coastal Karnataka, North Interior Karnataka on 18th; Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 21st, 23rd & 24th May with **isolated very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 23rd & 24th, Tripura on 18th, Kerala & Mahe on 18th, Sub-Himalayan West Bengal & Sikkim on 22nd 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

- Hailstorm activity likely at isolated places over Karnataka on 18th May.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.

- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Impact expected and action suggested due to Heat wave conditions:

- **Heat wave conditions** in isolated pockets likely to prevail over Jammu-Kashmir-Ladakh, Madhya Maharashtra on 18th; Punjab, Haryana Chandigarh & Delhi, Madhya Pradesh during 18th -24th; Vidarbha during 18th – 23rd; Chhattisgarh; Coastal Andhra Pradesh & Yanam during 20th – 24th; Bihar on 18th & 19th; Marathwada on 18th & 19th; Telangana during 19th – 21st May.
- **Heat wave conditions** over a few pockets likely to prevail over Uttar Pradesh on 18th with **Heat wave to severe heat wave conditions** over few pockets over West Uttar Pradesh during 19th – 24th May;
- **Heat wave conditions** over a few pockets likely to prevail over East Uttar Pradesh on 18th with **Heat wave to severe heat wave conditions** over few pockets over East Uttar Pradesh during 19th & 20th over isolated pockets during 21st 24th May;
- **Warm Night** conditions in isolated pockets likely to prevail over west Uttar Pradesh on 18th & 19th 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 **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 **Tripura**, postpone the harvesting of mature *boro* rice and shift the already harvested produce to a safe and dry place for storage.
- In **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana

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plants.

- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.
- In **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.

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 **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter melon, 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 **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Madhya Maharashtra, Marathwada and 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 **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.
- **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.
- **Jammu & Kashmir** - apply light and frequent irrigation to the standing crops, use temporary shade nets to protect the fruit plants from high temperatures.
- 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.

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.
- Coastal states (especially Tamil Nadu, Kerala and Lakshadweep), fishermen are advised not to venture into sea.

Legends & abbreviations:

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:**

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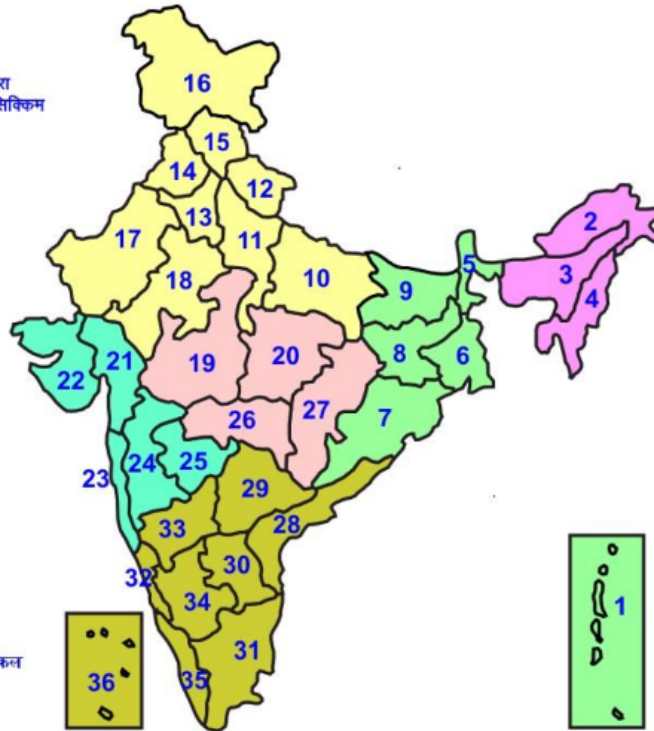


West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.

- **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 | 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°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)

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

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

For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

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