

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Warning and Forecast:

Northwest India:

- **Scattered to fairly widespread** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 02nd-06th May; Himachal Pradesh during 03rd-05th and Uttarakhand during 02nd-08th May.
- **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Punjab during 03rd-06th; Haryana, Chandigarh during 02nd-06th; **isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Rajasthan during 02nd-08th; West Uttar Pradesh during 03rd-06th; East Uttar Pradesh during 04th-07th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Punjab, Haryana Chandigarh on 04th & 05th and Rajasthan on 04th May.
- **Isolated Hailstorm activity** likely over Jammu-Kashmir on 03rd; Himachal Pradesh on 04th; Uttarakhand, Punjab, Haryana, Chandigarh on 04th & 05th May.
- **Duststorm** also likely over Rajasthan on 04th May.

Northeast India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Northeast India during next 5 days.
- **Isolated heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 02nd-04th May with **isolated very heavy rainfall** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 02nd May.

East India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over West Bengal & Sikkim during next 5 days.
- **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Jharkhand, Bihar and Odisha during next 7 days.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Bengal & Sikkim, Odisha on 04th & 05th; Jharkhand on 04th; Bihar on 04th & 06th May.
- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 02nd-04th; Bihar on 04th May with **isolated very heavy falls** over Sub-Himalayan West Bengal & Sikkim on 02nd May.
- **Isolated Hailstorm activity** likely over Jharkhand and Bihar on 04th May.

Central India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh and Chhattisgarh during next 5 days; Vidarbha during 03rd-06th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Chhattisgarh on 03rd & 04th; East Madhya Pradesh & Vidarbha on 04th & 05th; West Madhya Pradesh on 05th May.

South Peninsular India:

- **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 02nd-06th; Lakshadweep & North Interior Karnataka on 02nd May; **with lightning** over Coastal Karnataka on 02nd May.

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- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam on 02nd & 03rd May.
- **Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd-08th; South Interior Karnataka during 04th-08th; Coastal Andhra Pradesh & Yanam and Telangana on 05th & 06th May.

Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 2-3°C likely over Northwest India till 02nd May; gradual fall by 2-3°C during 03rd-05th May and no significant change during 06th-08th May.
- No significant change in maximum temperatures likely over Central India till 04th May and gradual fall by 2-3°C during 05th-07th May.
- No significant change in maximum temperatures likely over Gujarat State till 02nd May; gradual fall by 2-3°C during 03rd-05th May and no significant change during 06th-08th May.
- No significant change in maximum temperatures likely over rest parts of the country till 08th May 2026.

Heat wave conditions and Hot & Humid weather conditions warning:

- **Heat wave conditions** very likely in isolated pockets of Coastal Andhra Pradesh on 02nd & 03rd May.
- **Hot & humid weather conditions** very likely to prevail in isolated pockets over Tamil Nadu, Puducherry & Karaikal during 02nd-04th; Coastal Karnataka on 02nd and Coastal Andhra Pradesh & Yanam on 04th & 05th May.

Fishermen warning:

Fishermen are advised not to venture into the following areas:

- **Bay of Bengal:** Along and off Odisha Coast and adjoining North Andhra Pradesh Coast, West Bengal Coast and adjoining Bangladesh Coast & over many parts of northwest Bay of Bengal, adjoining parts of northeast Bay of Bengal on 02nd May; along and off Odisha, West Bengal Coasts and adjoining Bangladesh Coast & over some parts of northwest Bay of Bengal, adjoining parts of northeast Bay of Bengal on 03rd and 04th May.
- **Arabian Sea:** Along and off Gujrat Coast & adjoining sea area on 02nd May.

Main Weather Observations:

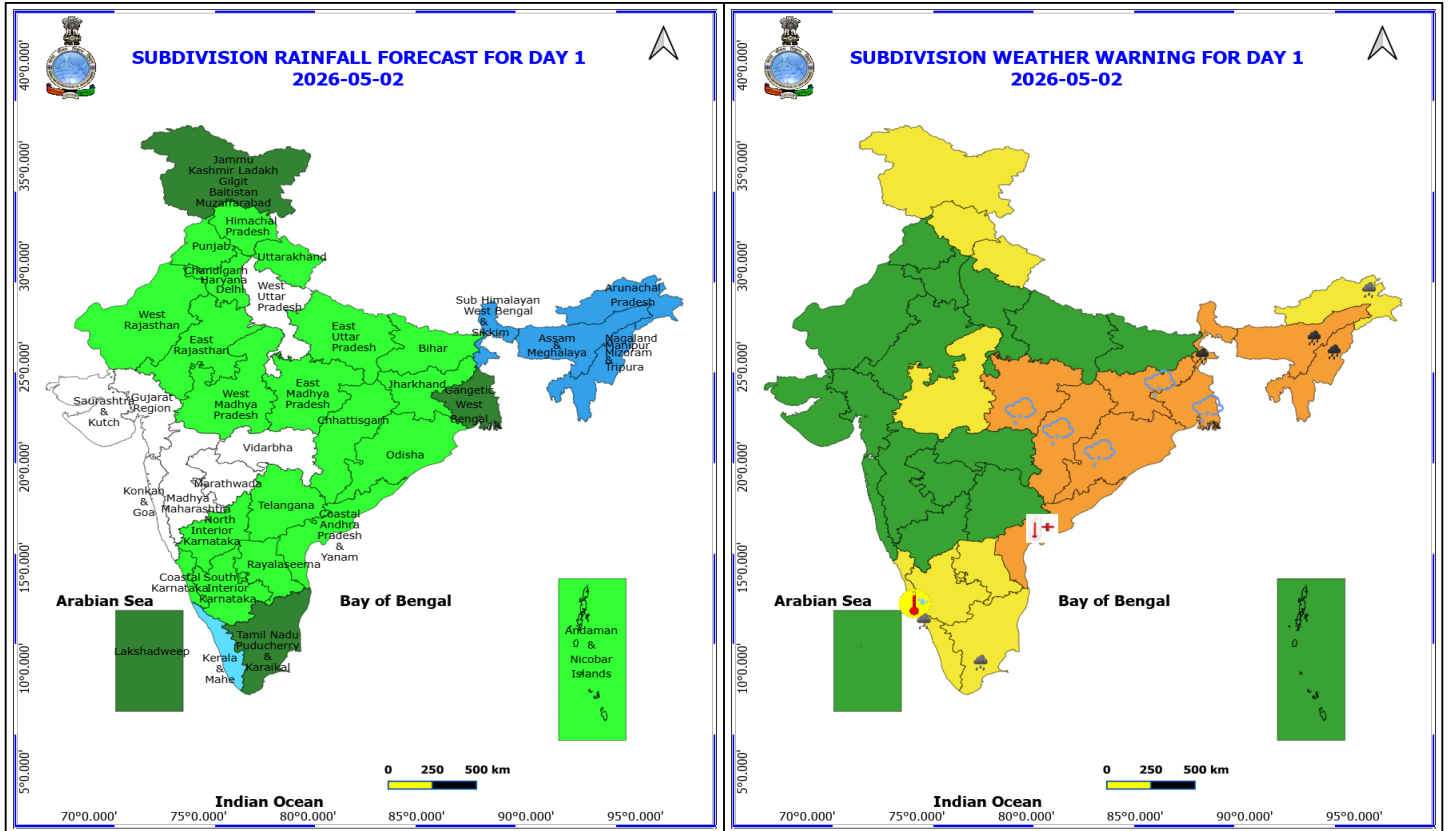
- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of today): **at most places** over Nagaland, Manipur, Mizoram & Tripura, Sub-himalayan West Bengal & Sikkim, Gangetic West Bengal, Arunachal Pradesh and Assam & Meghalaya; **at many places** over Odisha, Jharkhand, Bihar, Himachal Pradesh, Jammu & Kashmir and Ladakh, West Rajasthan, East Rajasthan, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu Puducherry & Karaikal and Kerala & Mahe; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST to 1730 hours IST of today): **Nagaland, Manipur, Mizoram & Tripura:** Kailashahar AP (dist Unakoti) 7, Agartala AP (dist West Tripura) 3; **Assam & Meghalaya:** Silchar (dist Cachar) 3, Cherrapunji (dist East Khasi Hills), Halflong (dist Dima Hasao) 2 Each.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of today):**Heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura
- ❖ **Minimum Temperature Departures (as on 02-05-2026):**were appreciably above normal (3.1°C to 5.0°C) over Saurashtra & Kutch; above normal (1.6 to 3.0°C) over Haryana, Rajasthan, West Madhya Pradesh, Gujarat Region, Vidarbha, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and below normal or near normal over rest parts of the country. **The lowest minimum temperature of 15.8°C was reported at DAMOH (MADHYA PRADESH) over the Plains of India.**
- ❖ **Maximum Temperature Departures (as on 02-05-2026):** **Above normal (2.0°C to 4.0°C)** over Jammu-Kashmir, West Rajasthan, Telangana, South Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Kerala. **Below normal (3.0°C to 6.0°C)** over Uttarakhand adjoining Himachal Pradesh and east Haryana, Northeast Rajasthan, Northwest & east Madhya Pradesh, Uttar Pradesh, Noth Chhattisgarh, east and northeast India and **near normal** over rest parts of the country. **The highest maximum temperature of 44.4°C was reported at JAISALMER (RAJASTHAN).**

Meteorological Analysis (Based on 1730 hours IST)

- The **Western Disturbance** as a **trough** in middle tropospheric westerlies now runs roughly along Long. 63°E to the north of Lat. 32°N.
- The **upper air cyclonic circulation** over west Rajasthan & neighbourhood at 0.9 km above mean sea level persists.
- The north-south **trough** from the above cyclonic circulation over west Rajasthan to Comorian area across East Rajasthan, Madhya Pradesh, Vidarbha, Telangana, Rayalaseema and interior Tamil Nadu at 0.9 km above mean sea level persists.
- The east-west **trough** from northeast Madhya Pradesh to Manipur across Chhattisgarh, Jharkhand, West Bengal, Bangladesh and south Assam at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over north Haryana & neighbourhood at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over north Bangladesh & adjoining Gangetic West Bengal between 1.5 & 3.1 km above mean sea level with a trough aloft extending from 4.5 to 9.4 km above mean sea level runs roughly along Long. 87°E to the north of Lat. 20°N persists.

Weather Outlook for subsequent 3 days

- **Widespread** rainfall activity likely over Northeast India and adjoining East India.
- Isolated to Scattered rainfall activity likely over North India and Southern parts of Peninsular India.



2 May (Day 1)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Chhattisgarh, East Madhya Pradesh, Gangetic West Bengal, Jharkhand and Odisha.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Madhya Pradesh, Gangetic West Bengal, Jharkhand and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Kerala & Mahe, Rayalaseema, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and West Madhya Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Karnataka.
- ❖ **Squally Weather with wind speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha Coast and adjoining North Andhra Pradesh Coast, West Bengal Coast and Bangladesh Coast & over many parts of

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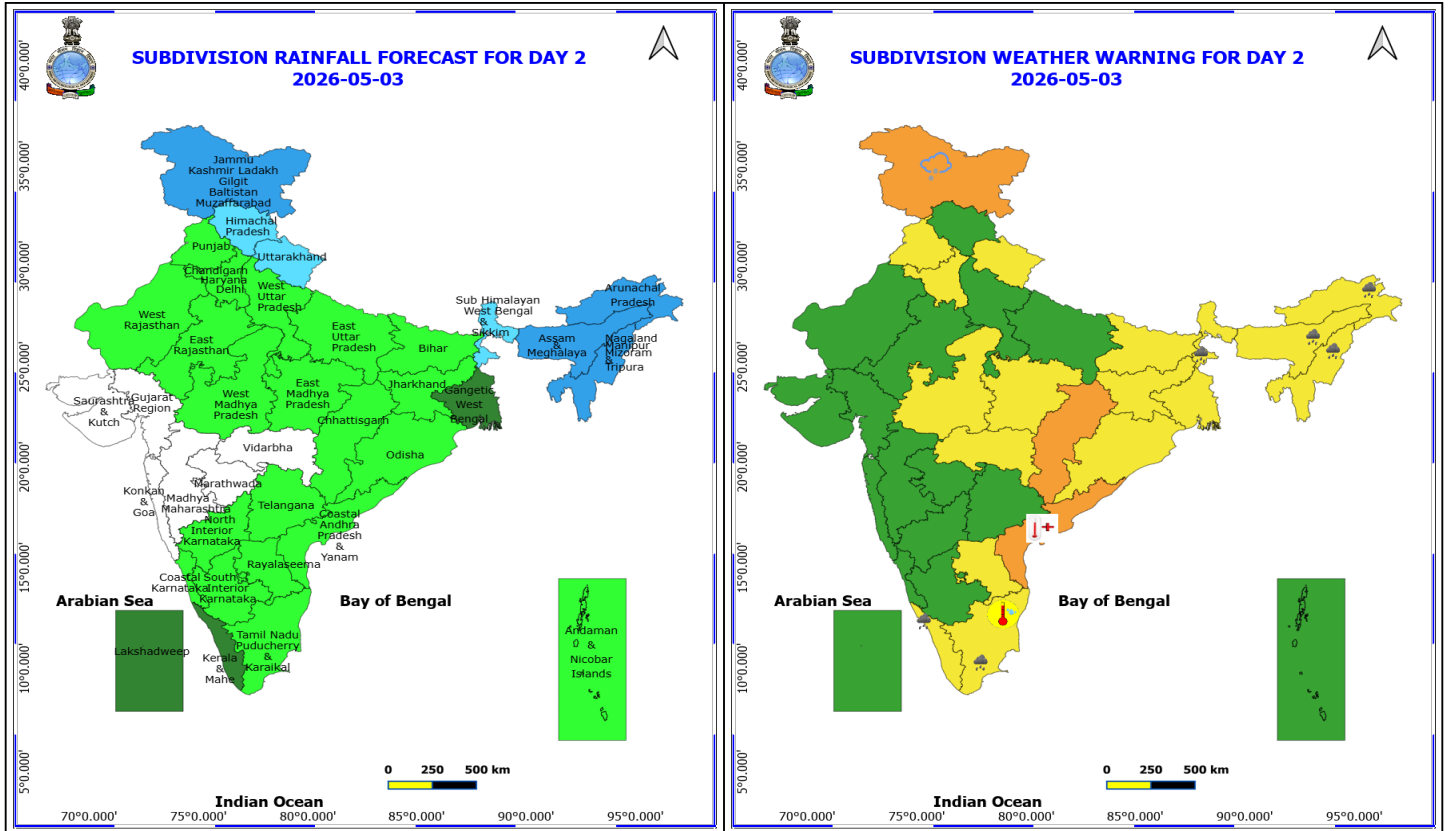
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northwest Bay of Bengal, adjoining parts of northeast Bay of Bengal and westcentral Bay of Bengal.



3 May (Day 2)

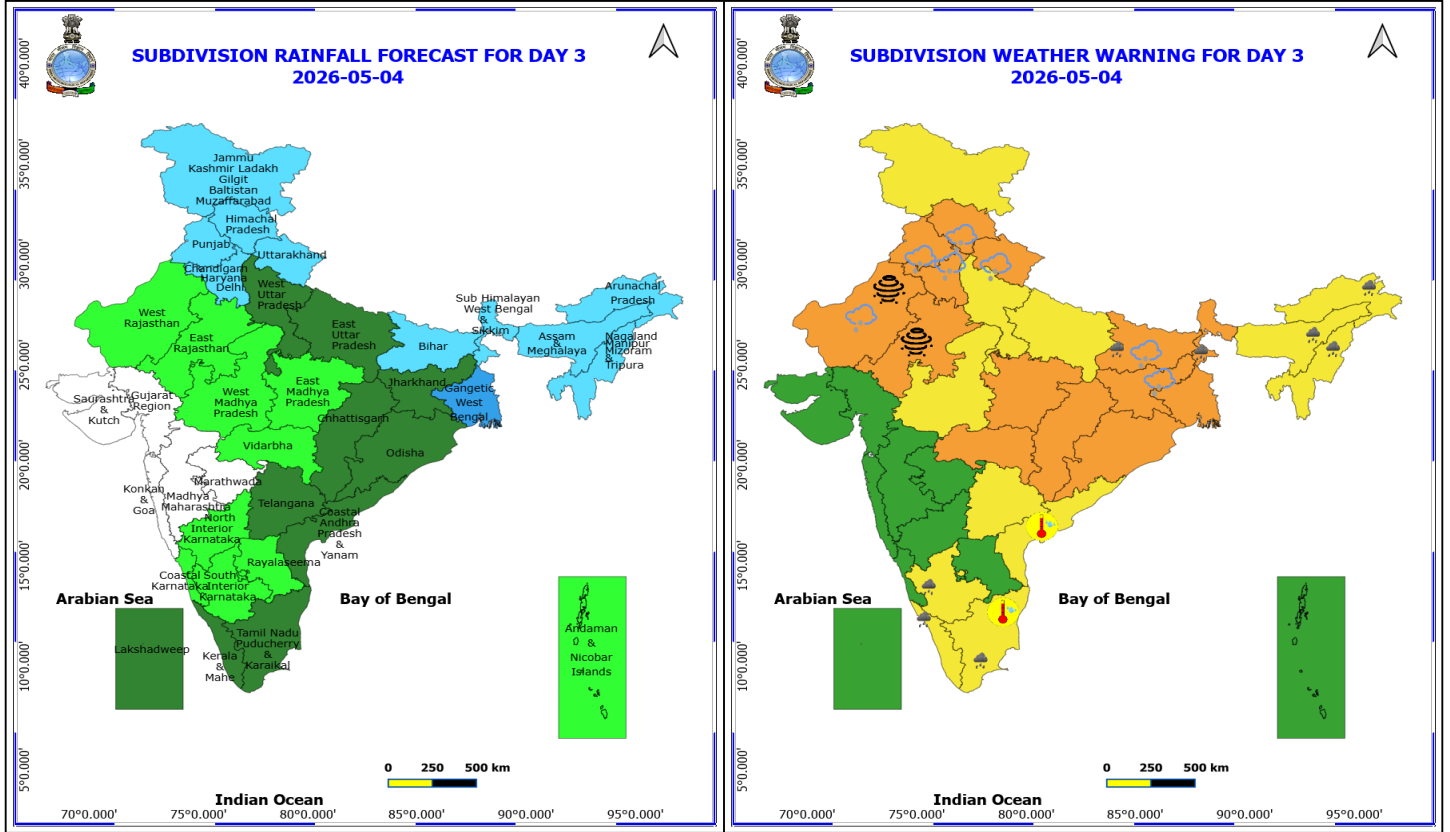
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh and Coastal Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Madhya Pradesh, Odisha, Punjab, Rayalaseema, Uttarakhand, Vidarbha and West Bengal & Sikkim.
- ❖ **Heat Wave conditions** very likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Hot and Humid weather** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha Coast and adjoining North Andhra Pradesh Coast, West Bengal Coast and Bangladesh Coast & over many parts of northwest Bay of Bengal, adjoining parts of northeast Bay of Bengal and westcentral Bay of Bengal.

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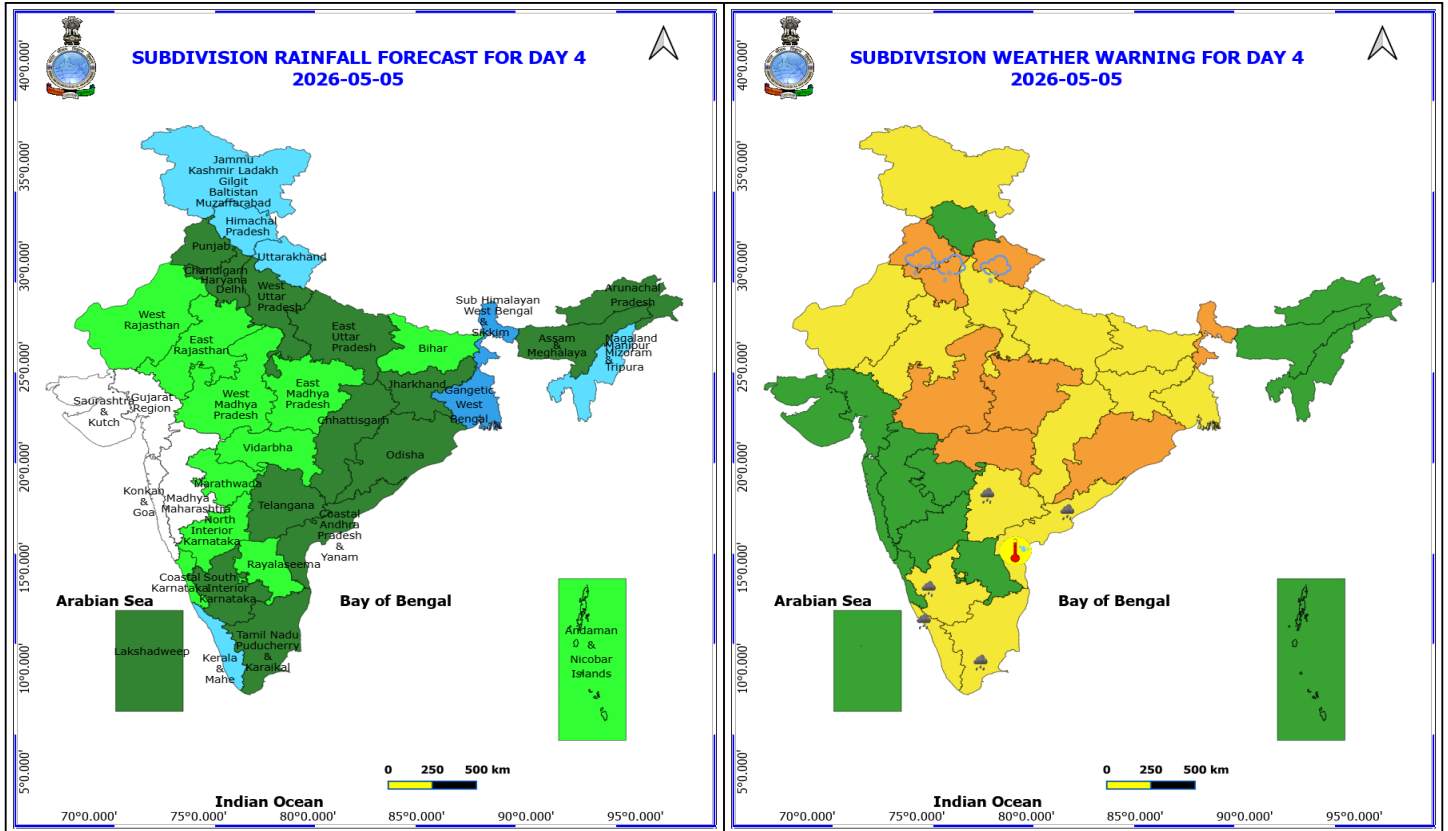


4 May (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Punjab, Uttarakhand and West Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Chhattisgarh, East Madhya Pradesh, Haryana, Chandigarh & Delhi, Jharkhand, Odisha, Punjab, Rajasthan, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Telangana, Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- ❖ **Dust Storm** very likely at isolated places over Rajasthan.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha Coast and adjoining North Andhra Pradesh Coast, West Bengal Coast and adjoining Bangladesh Coast & over some parts of northwest Bay of Bengal.

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5 May (Day 4)

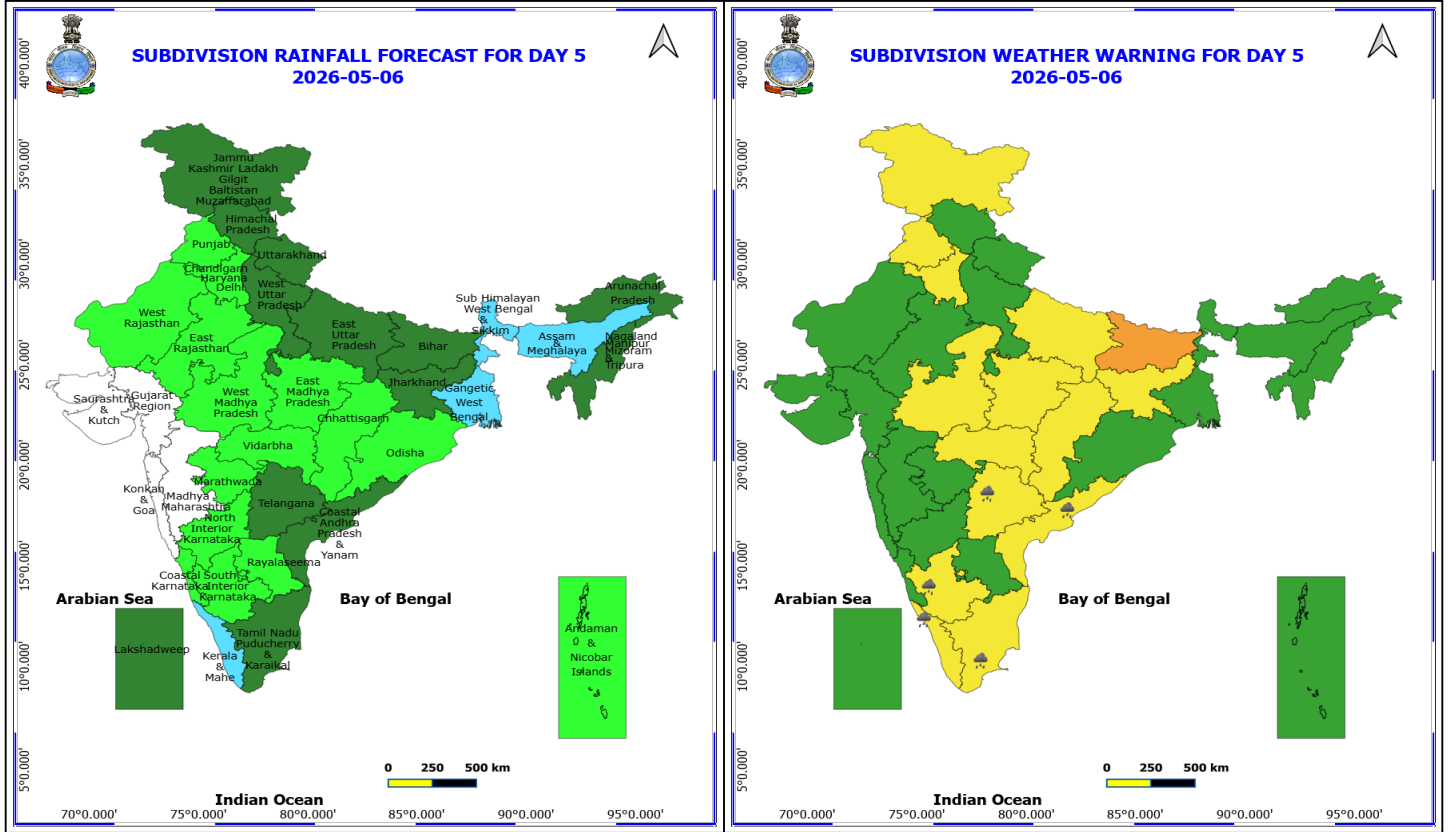
- ❖ **Heavy Rainfall** likely at isolated places over Coastal Andhra Pradesh, Kerala & Mahe, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and Uttarakhand.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Odisha, Punjab, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Rajasthan, Telangana, Uttar Pradesh and Uttarakhand.
- ❖ **Hot and Humid weather** likely at isolated places over Coastal Andhra Pradesh.
- ❖ **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Odisha, West Bengal Coasts and adjoining Bangladesh Coast & over some parts of northwest Bay of Bengal.

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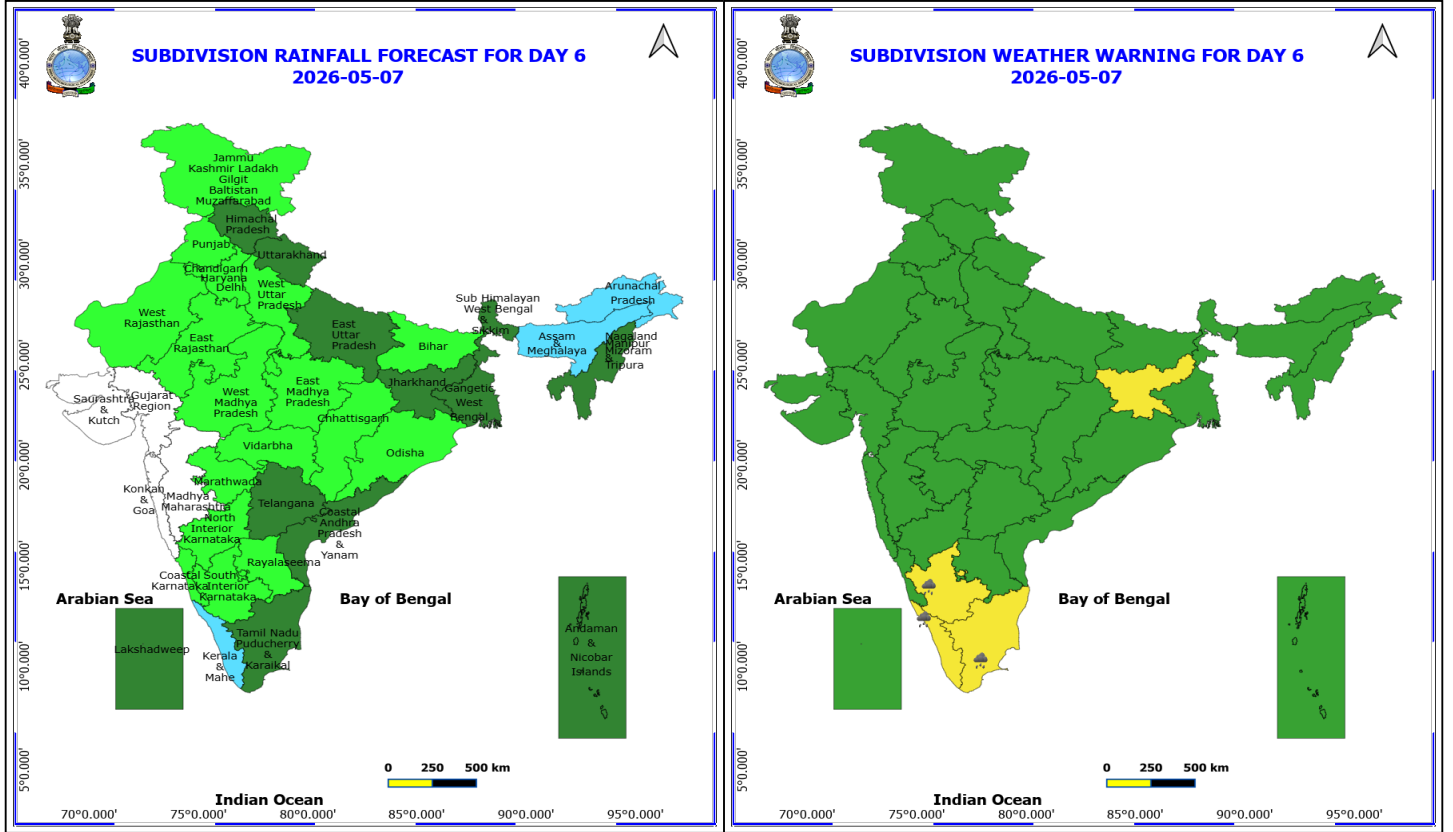
6 May (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Coastal Andhra Pradesh, Kerala & Mahe, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Madhya Pradesh, Punjab, Telangana and Vidarbha.

No Fishermen Warning

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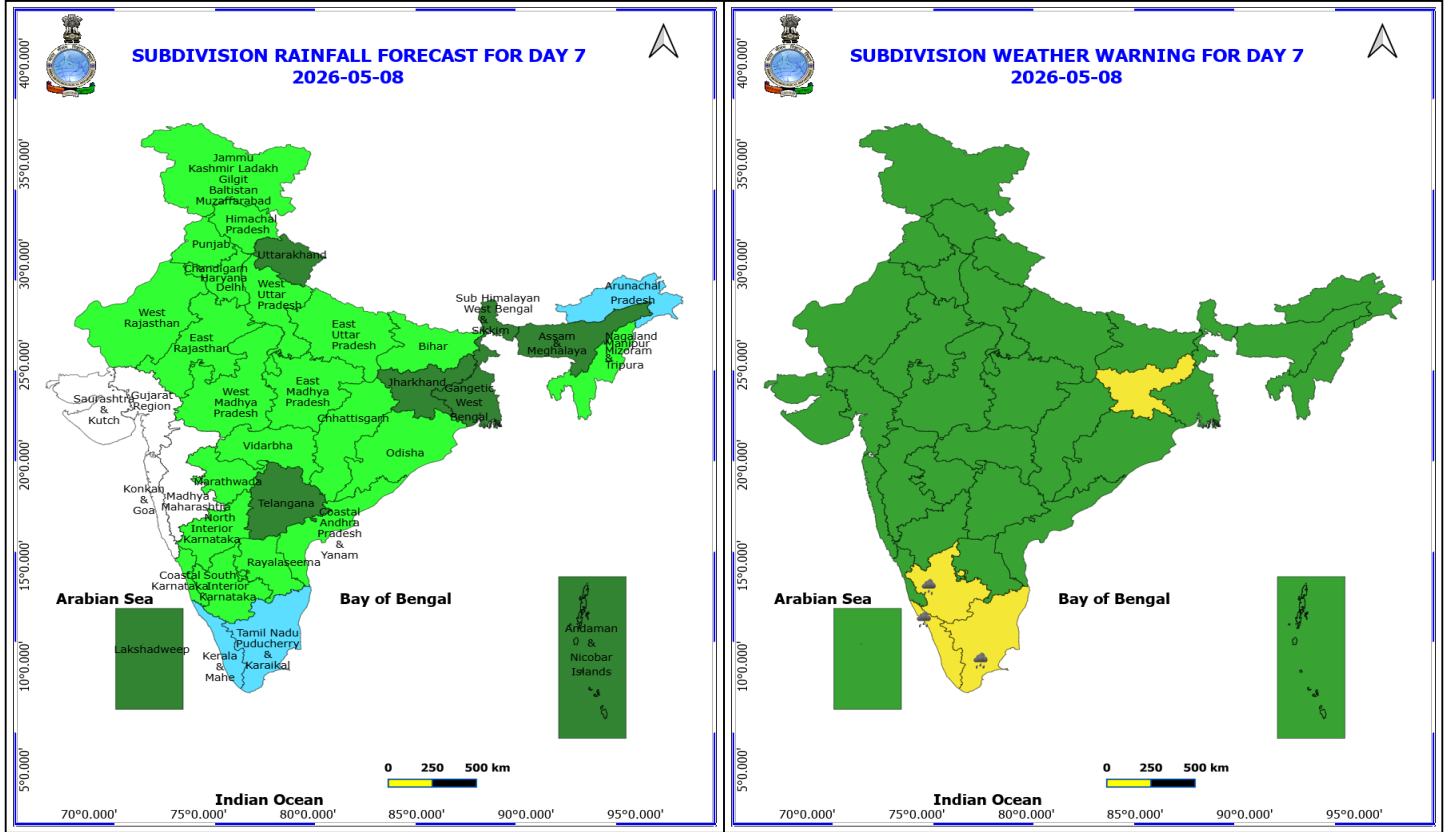


7 May (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jharkhand.

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8 May (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jharkhand.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

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

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 2026-05-02

Fig. 2: Departure of Maximum Temp. Dated 2026-05-02

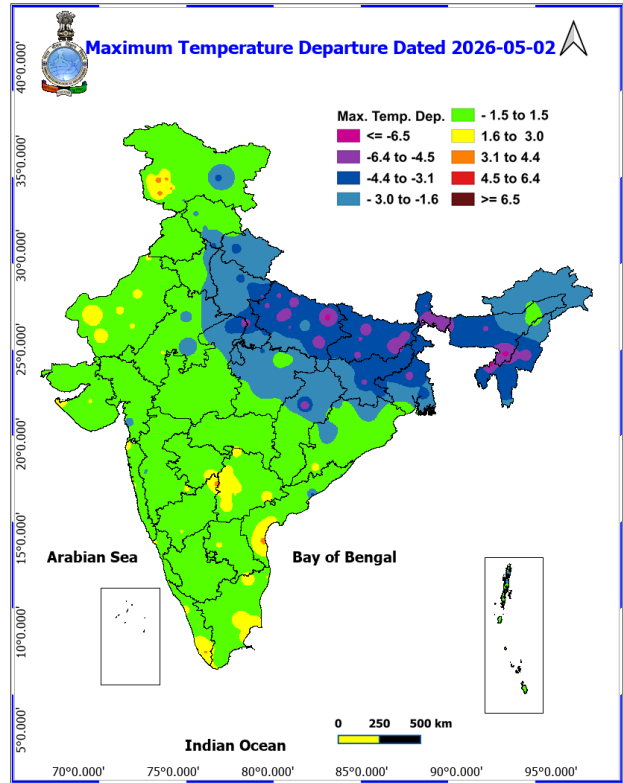
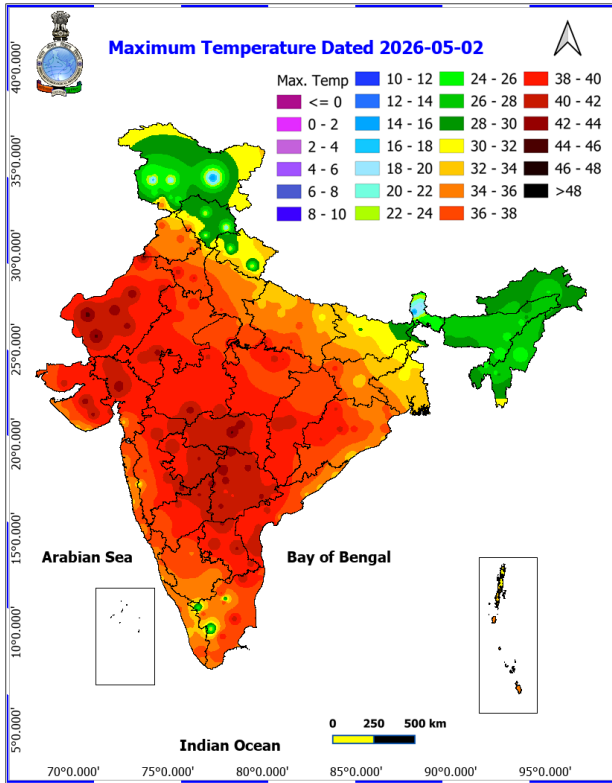
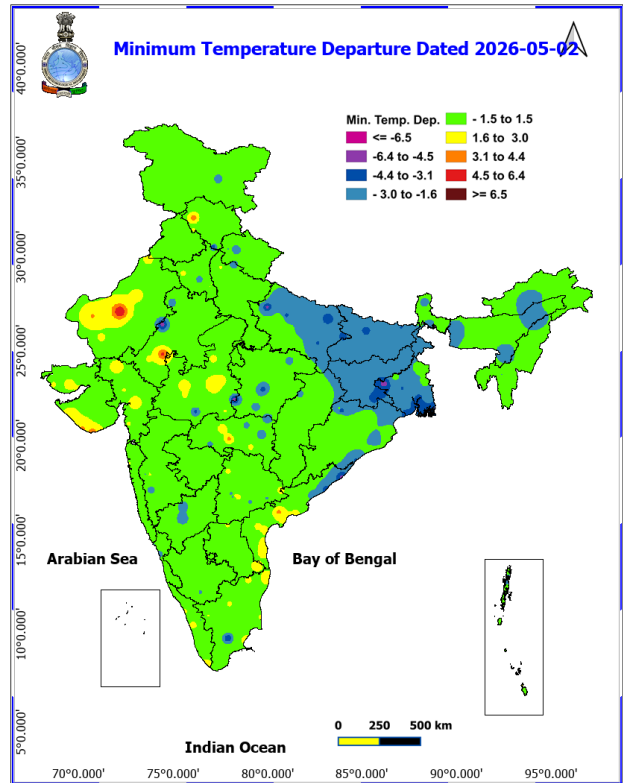
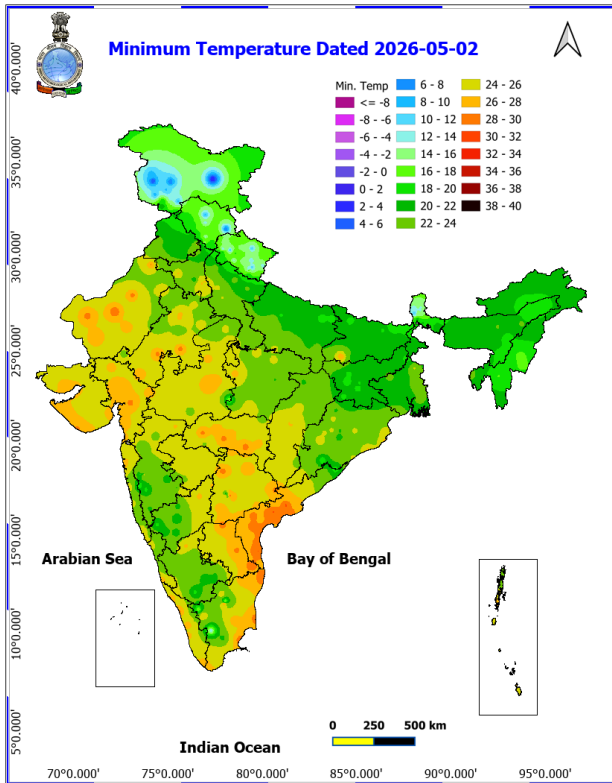
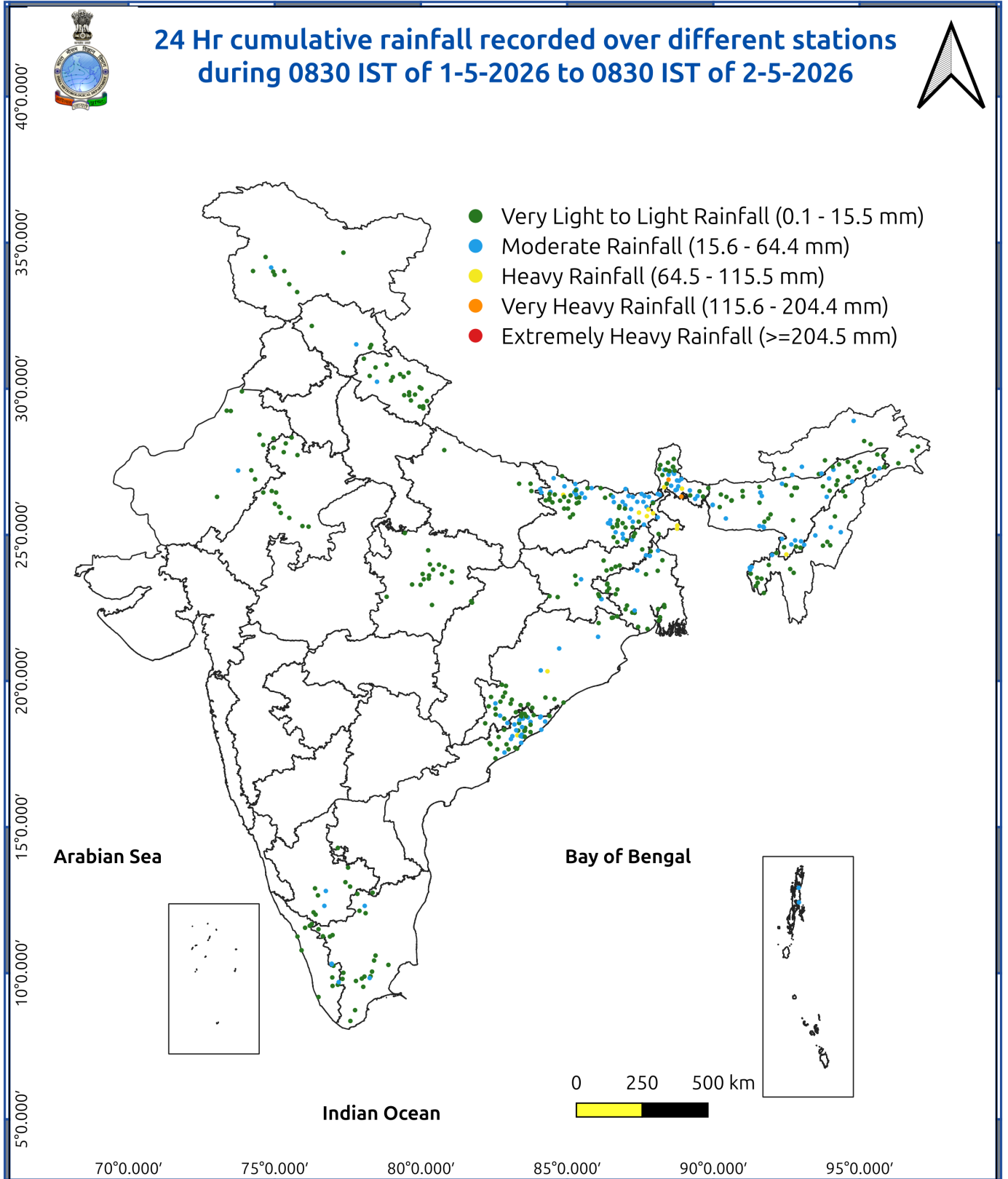


Fig. 3: Minimum Temperatures Dated 2026-05-02

Fig. 4: Departure of Minimum Temp. Dated 2026-05-02





Impact and Actions

Impact & suggested due to heavy rainfall

- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 02nd-04th; Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd-08th; Bihar on 04th; South Interior Karnataka during 04th-08th; Coastal Andhra Pradesh & Yanam and Telangana on 05th & 06th with isolated very heavy rainfall likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim on 02nd 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

- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam on 02nd & 03rd; Chhattisgarh on 03rd & 04th; Punjab, Haryana, Chandigarh, West Bengal & Sikkim, Odisha, East Madhya Pradesh & Vidarbha on 04th & 05th; Rajasthan & Jharkhand on 04th; Bihar on 04th & 06th; West Madhya Pradesh on 05th May.
- **Isolated Hailstorm activity** likely over Jammu-Kashmir on 03rd; Himachal Pradesh, Jharkhand & Bihar on 04th; Uttarakhand, Punjab, Haryana, Chandigarh on 04th & 05th May.

Impact expected:

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

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.

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- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Hailstorms

- In **Bihar, Jharkhand, Jammu & Kashmir, Himachal Pradesh, Haryana, Uttarakhand and West Rajasthan** 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**, postpone the sowing of WRC paddy nurseries. 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**, maintain proper drainage 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.
- **Meghalaya**- Provide proper drainage in maize, ginger, vegetables and orchards. Provide staking/bamboo support to prevent lodging.
- In **Manipur**, postpone sowing of soybean and groundnut. Drain out excess rainwater and top-dress the crop 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.
- 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.
- **Tripura** - Ensure proper drainage to prevent standing water in vegetable, watermelon, and orchard fields.
- In **West Bengal and Sikkim**, ensure proper field drainage to prevent waterlogging, particularly in ginger, tomato, and *Dalle Khorsani* fields. Protect the nurseries of cucurbits and *Dalle Khorsani* by covering them with polyethene sheets or agro-net to safeguard young seedlings. Additionally, apply locally available mulching materials in ginger fields to minimize the direct impact of rainfall.
- In **Bihar**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Kerala**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants.
- In **Tamilnadu**, maintain proper drainage to avoid water stagnation in blackgram, green gram, sugarcane, plantations and vegetables.

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Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Andhra Pradesh** -Provide light irrigation to maintain adequate moisture in standing crops, vegetables, and fruit orchards.
- Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture in the standing crops.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

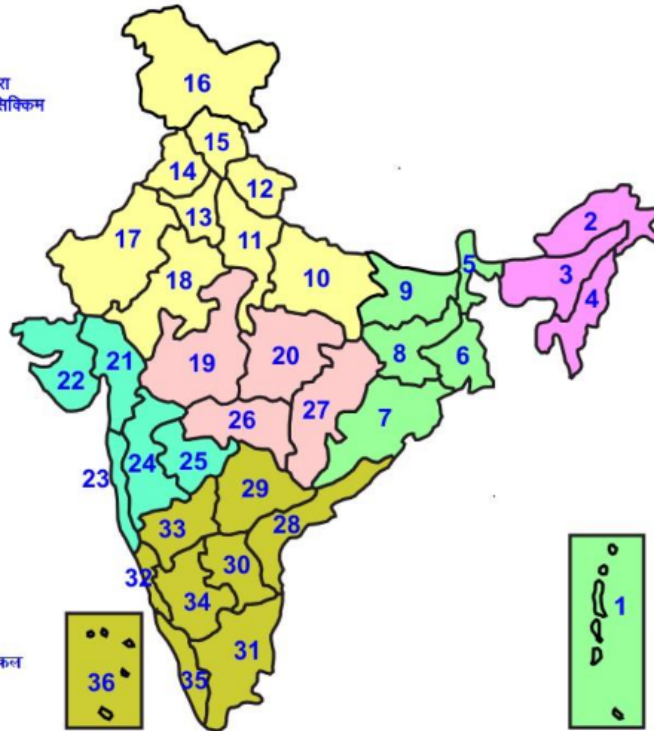
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

Livestock / Poultry / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Colour

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

Probabilistic Forecast

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

- | | | | |
|--------------------------|-----------------|----------------------|--------------------|
| Heavy Rain | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow |
| Thunderstorm & Lightning | Hailstorm | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

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LEGENDS

WARNING

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

Probabilistic Forecast

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



Rain/ Snow *

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



Heat Wave

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 $\geq 37^{\circ}\text{C}$



Warm Night

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 $> 6.4^{\circ}\text{C}$.



Cold Wave

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 $\leq 15^{\circ}\text{C}$



Cold Day

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 $\leq -6.5^{\circ}\text{C}$



Fog

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



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



Squall

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



Sea State

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



Cyclone

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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