

2026-05-05

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

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 30-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 05th & 06th; and Uttarakhand during 05th-08th May.
- **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Punjab, Haryana, Chandigarh & Delhi on 06th & 10th, West Uttar Pradesh on 05th & 06th; East Uttar Pradesh on 06th & 07th; **isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over west Rajasthan during 05th-07th and East Rajasthan during 05th -08th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh on 05th May.

Northeast India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura on 05th & 06th with lightning over Assam & Meghalaya and Arunachal Pradesh during 05th-07th and Nagaland, Manipur, Mizoram & Tripura on 07th May.
- **Isolated heavy rainfall** likely over Arunachal Pradesh on 05th May.

East India:

- **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 05th -08th; Gangetic West Bengal during 06th -08th May.
- **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning, gusty winds (speed reaching 30-50 kmph)** likely over Bihar on 05th, 07th & 08th; Jharkhand during 06th -10th and Odisha during 06th -08th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal, Jharkhand and Odisha on 05th and Bihar on 05th & 06th May.
- **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim and Bihar on 05th & 06th May.
- **Isolated Hailstorm activity** likely over Jharkhand and Odisha on 05th May.

Central India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Vidarbha during 05th-07th and Madhya Pradesh, Chhattisgarh during 06th-08th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Chhattisgarh and Madhya Pradesh on 05th May.

South Peninsular India:

- **Isolated to scattered thunderstorms, lightning & gusty winds (30-50 kmph) likely over** Kerala & Mahe, Telangana and South Interior Karnataka during 05th -08th; Coastal Andhra Pradesh & Yanam during 06th -08th May.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam on 05th May.
- **Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 4 days; Kerala & Mahe on 05th & 06th; Coastal Andhra Pradesh & Yanam on 05th; South Interior Karnataka on 06th &

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07th May.

Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures by 4-6°C likely over Northwest India during 05th -09th May.
- Gradual fall in maximum temperatures by 2-3°C likely over Central India till 06th and no significant change thereafter.
- No significant change in maximum temperatures likely over Maharashtra till 05th May; gradual rise by 2-3°C during 06th-08th May and no significant change thereafter.
- No significant change in maximum temperatures likely over rest parts of the country till 09th May 2026.

Heat wave conditions and Hot & Humid weather conditions warning:

- **Hot & humid weather conditions** very likely to prevail in isolated pockets over Coastal Andhra Pradesh & Yanam during 05th & 06th; Rayalaseema on 05th; Gujarat Region on 09th & 10th; Konkan & Goa during 06th-08th May.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Kerala & Mahe, Himachal Pradesh, West Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Rajasthan, East Uttar Pradesh, Gangetic West Bengal, Sub-himalayan West Bengal & Sikkim, Jharkhand, Jammu & Kashmir and Ladakh and East Rajasthan; **at many places** over East Madhya Pradesh, Punjab, Haryana Chandigarh & Delhi, Assam & Meghalaya, South Interior Karnataka, Tamilnadu Puducherry & Karaikal, Bihar, West Madhya Pradesh, Odisha and Chhattisgarh; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Kerala & Mahe:** Kochi (cochin) (dist Ernakulam) 28, Cannanore (kannur) (dist Kannur) 4, Kozhikode (calicut) (dist Kozhikode) 3; **Tamilnadu Puducherry & Karaikal:** Tiruchirappalli AP (dist Tiruchirappalli) 9, Pondicherry (dist Puducherry) 5, Salem (dist Salem), Coimbatore (peelamedu) AP (dist Coimbatore) 1 Each; **Bihar:** Patna-airport (dist Patna) 4, Bhagalpur (dist Bhagalpur) 3, Purnea (dist Purnia) 2; **East Uttar Pradesh:** Bahraich (dist Bahraich), Gorakhpur (dist Gorakhpur) 4 Each, Azamgarh-obs (dist Azamgarh) 3, Lucknow (amausi) AP (dist Lucknow), Sultanpur-obs2 (dist Sultanpur) 1 Each; **West Madhya Pradesh:** Guna (dist Guna) 3; **Gangetic West Bengal:** Kolkata (dum Dum) AP (dist North 24 Parganas) 3, Haldia (dist Purba Medinipur) 2; Sub-himalayan West Bengal & Sikkim: Malda (dist Malda) 2; **Jharkhand:** Ranchi AP (dist Ranchi) 2; **West Rajasthan:** Churu (dist Churu) 2, Sriganganagar (dist Sri Ganganagar) 1; Jammu & Kashmir And Ladakh: Srinagar- City (dist Srinagar), Batote (dist Doda), Pahalgam (dist Anantnag), Katra (dist Reasi) 1 Each; **Odisha:** Keonjhar (dist Kendujhar) 1; **Chhattisgarh:** Ambikapur (dist Surguja) 1; **East Rajasthan:** Kota AP (dist Kota) 1.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Extremely heavy rain** at isolated places over Kerala & Mahe **Heavy rain** at isolated places over Tamilnadu Puducherry & Karaikal

❖ **Minimum Temperature Departures (as on 04-05-2026):** **markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, West Uttar Pradesh, West Rajasthan, East Rajasthan, East Madhya Pradesh, Gujarat Region and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh; at isolated places over Bihar, East Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Gujarat Region; at few places over West Madhya Pradesh, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Bihar, East Uttar Pradesh, Punjab, Himachal Pradesh, West Rajasthan, East Rajasthan, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Telangana, Rayalaseema and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, Odisha, East Uttar Pradesh, Himachal Pradesh, West Rajasthan, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka, Kerala & Mahe and Lakshadweep; at most places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Marathwada, Vidarbha, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and North Interior Karnataka; at few places over West Madhya Pradesh, Saurashtra & Kutch and Telangana; at isolated places over West Uttar Pradesh, Uttarakhand, Punjab, East Madhya Pradesh and Gujarat Region. **The lowest minimum temperature** of 15.0°C was reported at HARDOI (UTTAR PRADESH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 04-05-2026):** They are **above normal (1.6°C to 3.0°C)** at isolated places over Konkan & Goa, Kerala & Mahe and Assam; **markedly below normal(< -5.1°C)** at many places over Haryana-Chandigarh-Delhi, **at a few places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Uttar Pradesh, **at isolated places** over Uttarakhand, Madhya Pradesh, Mizoram; **appreciably above normal(-5.0°C to -3.1°C)** at a few places over East Rajasthan; **at isolated places** Bihar, Jharkhand, Odisha, Coastal Andhra Pradesh, Nagaland, Manipur, Tripura and Andaman & Nicobar; **below normal(-3.0°C to -1.60°C)** at a few places over Gujarat state, at isolated places over Chhattisgarh, Gangetic West Bengal, Meghalaya and Tamil Nadu. **The highest maximum temperature** of 44.2°C was reported at **Brahmapuri (Vidarbha)**.

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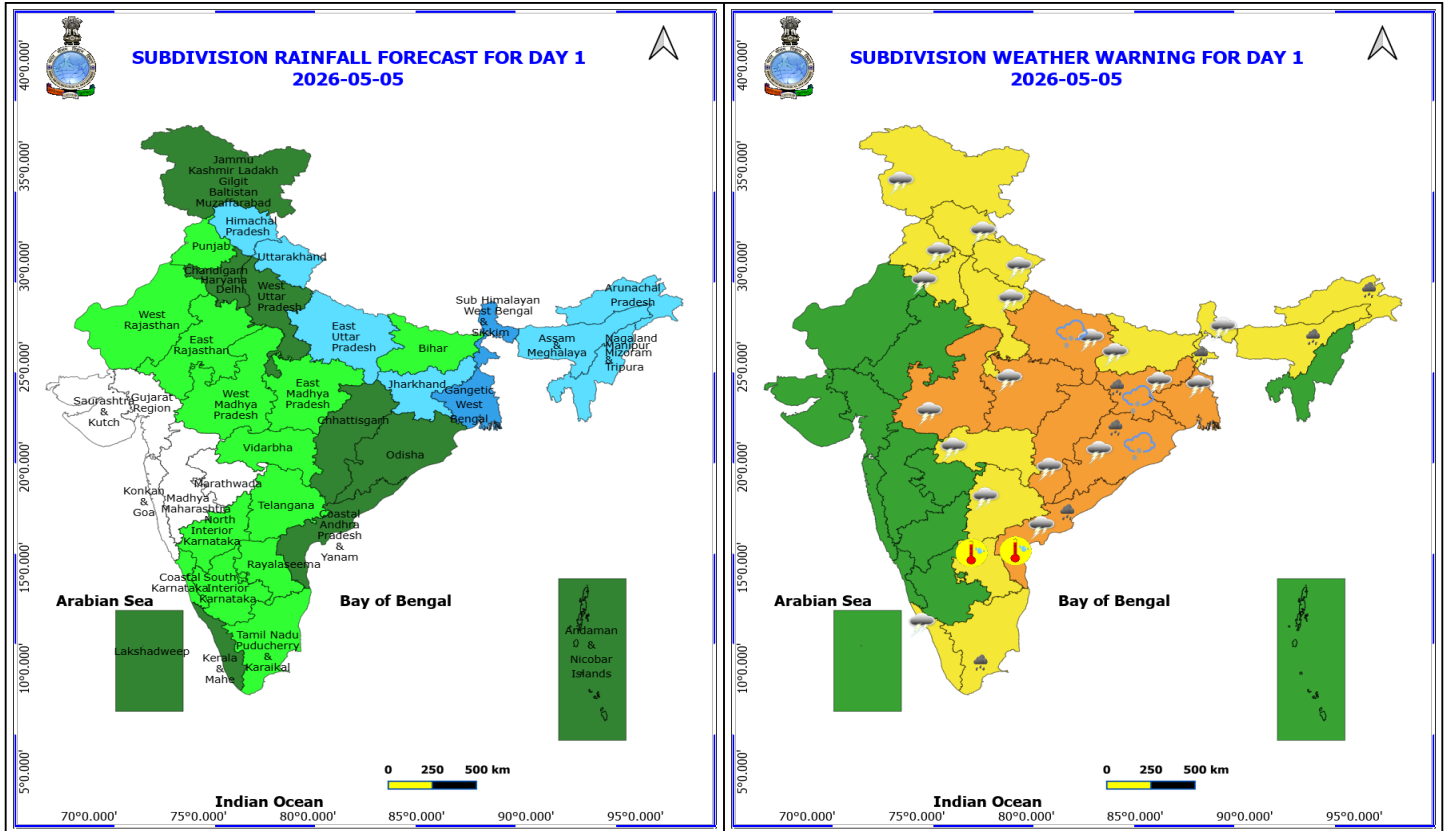
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Meteorological Analysis (Based on 0530 hours IST)

- The **Western Disturbance** as a cyclonic circulation over Kashmir & neighbourhood at 3.1 km above mean sea level. However, the trough aloft in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 28°N persists.
- The **upper air cyclonic circulation** over Haryana & neighbourhood persists and now seen at 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over southeast Rajasthan & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over central parts of East Uttar Pradesh at 0.9 km above mean sea level.
- The **trough** from above **upper air cyclonic circulation** over Haryana to northeast Arabian sea now runs from Haryana to southwest Rajasthan at 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over East Madhya Pradesh & neighbourhood now lies over central parts of Madhya Pradesh and extends upto 1.5 km above mean sea level.
- The **trough** from south Chhattisgarh to Manipur now runs from the cyclonic circulation over central parts of Madhya Pradesh to Bihar across north Chhattisgarh, southeast Uttar Pradesh and Jharkhand at 0.9 km above mean sea level.
- The north-south **trough** runs from Vidarbha to Comorin Area now runs from central parts of Madhya Pradesh to Comorin area across Vidarbha, Marathwada, Interior Karnataka and interior Tamil Nadu and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Bangladesh persists and now seen at 0.9 km above mean sea level.
- A fresh Western Disturbance is likely to affect Western Himalayan Region from 10th May, 2026.
- The **upper air cyclonic circulation** over interior Odisha & neighbourhood at 0.9 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

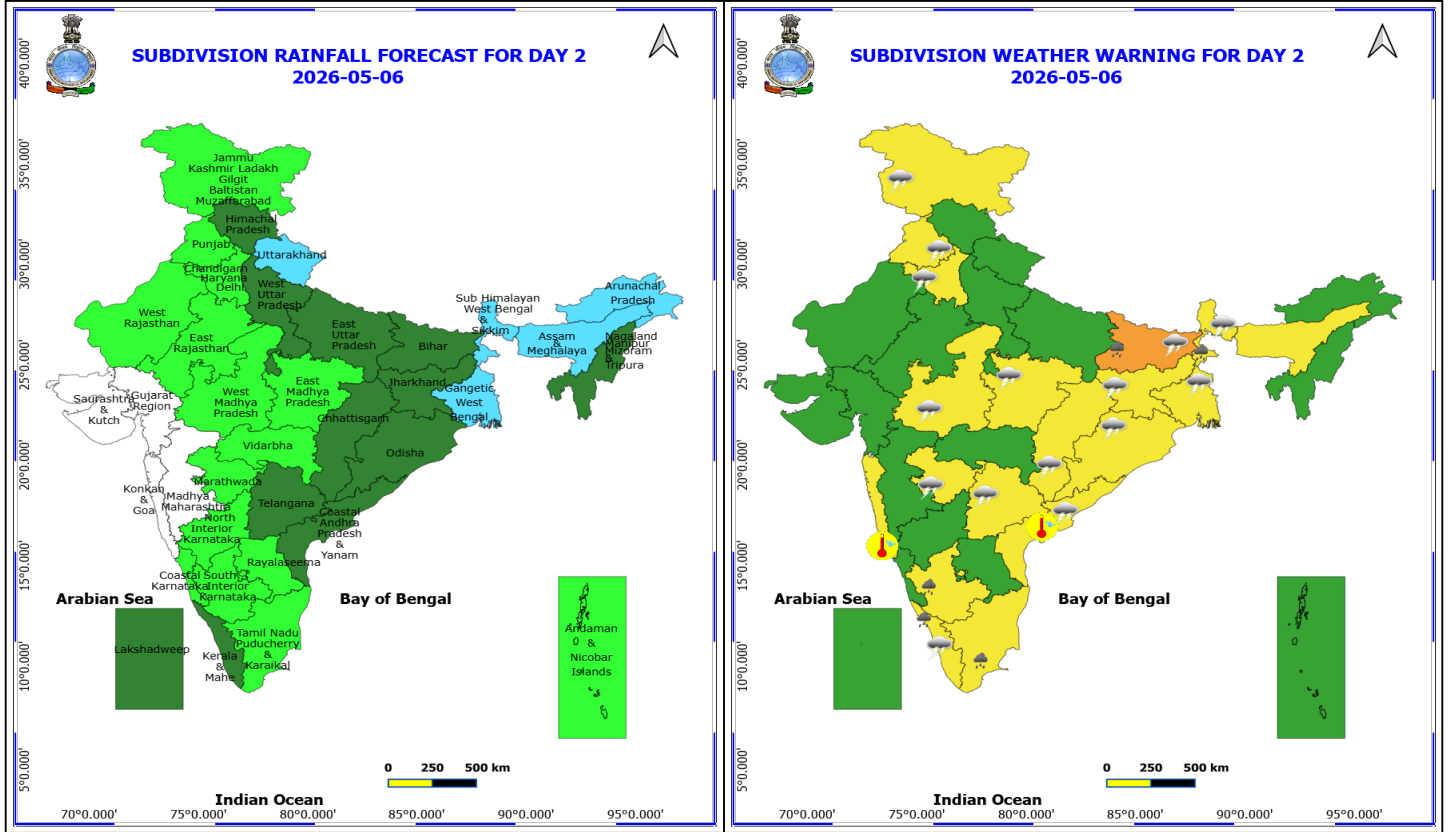
- **Widespread** rainfall activity likely over Northeast India and adjoining East India.
- Isolated to Scattered rainfall activity likely over North India and Southern parts of Peninsular India.



5 May (Day 1)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over East Uttar Pradesh, Jharkhand and Odisha.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, East Uttar Pradesh, Gangetic West Bengal, Jharkhand, Madhya Pradesh and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Punjab, Sub Himalayan West Bengal & Sikkim, Telangana, Uttarakhand, Vidarbha and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Nagaland, Manipur, Mizoram and Tripura, Rajasthan and Rayalaseema.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over 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, adjoining parts of northeast Bay of Bengal.

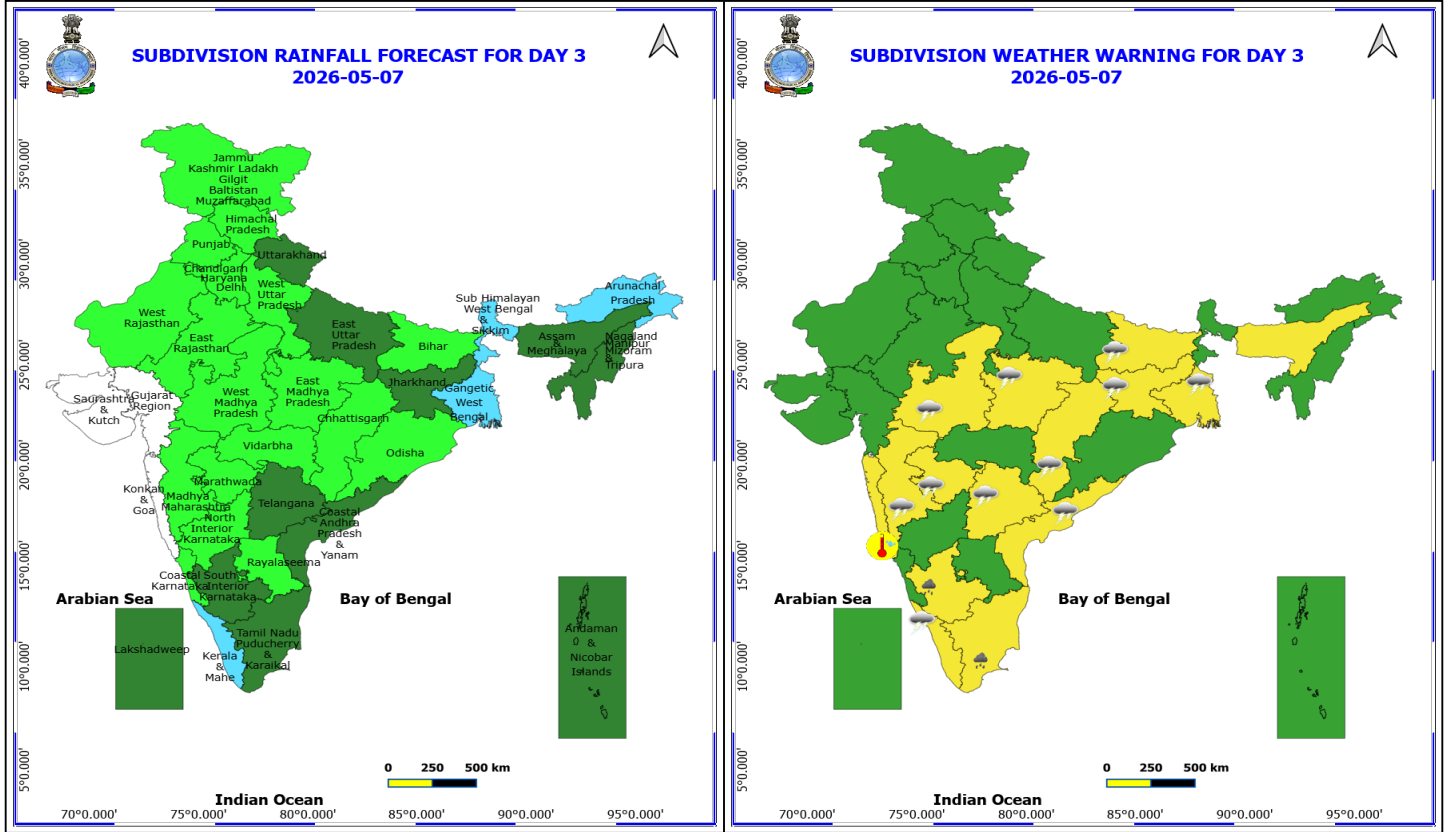
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6 May (Day 2)

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

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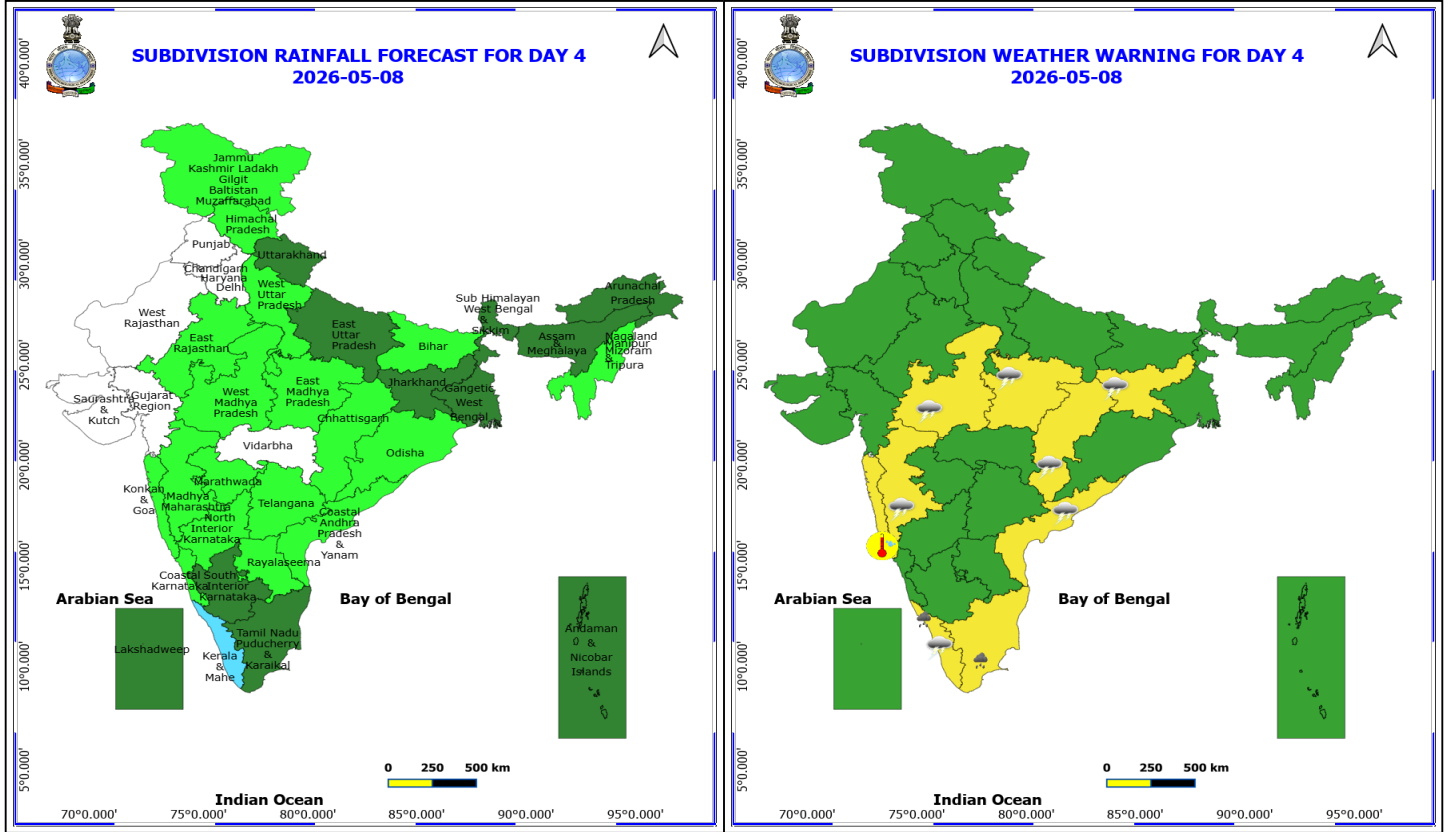
7 May (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Jharkhand, Kerala & Mahe, Madhya Maharashtra, Madhya Pradesh, Marathwada and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Uttar Pradesh, Odisha, Rajasthan, Rayalaseema, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa.

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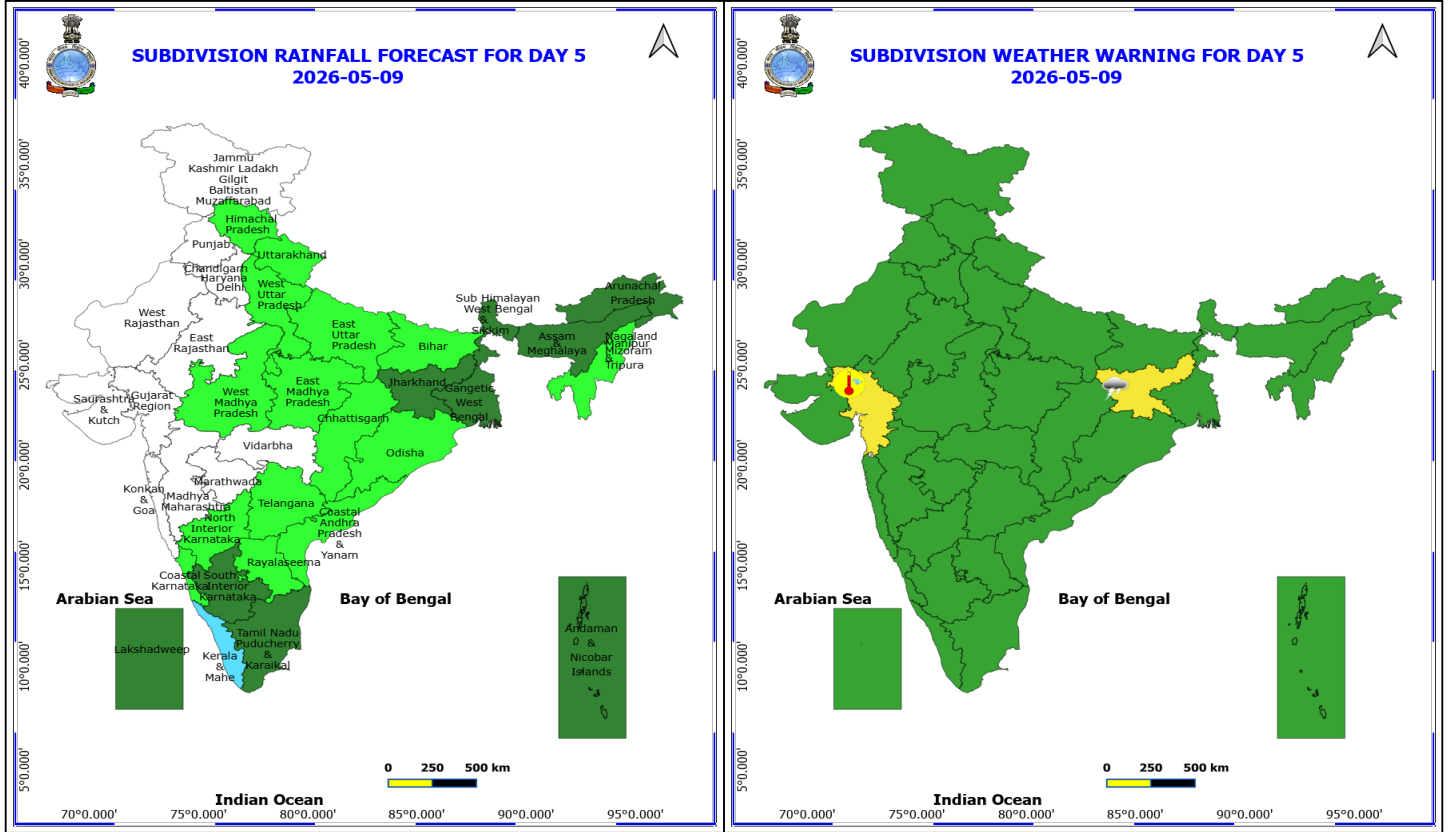


8 May (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Jharkhand, Kerala & Mahe, Madhya Maharashtra and Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, East Rajasthan, Odisha, Rayalaseema, Telangana, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** likely at isolated places over Konkan & Goa.

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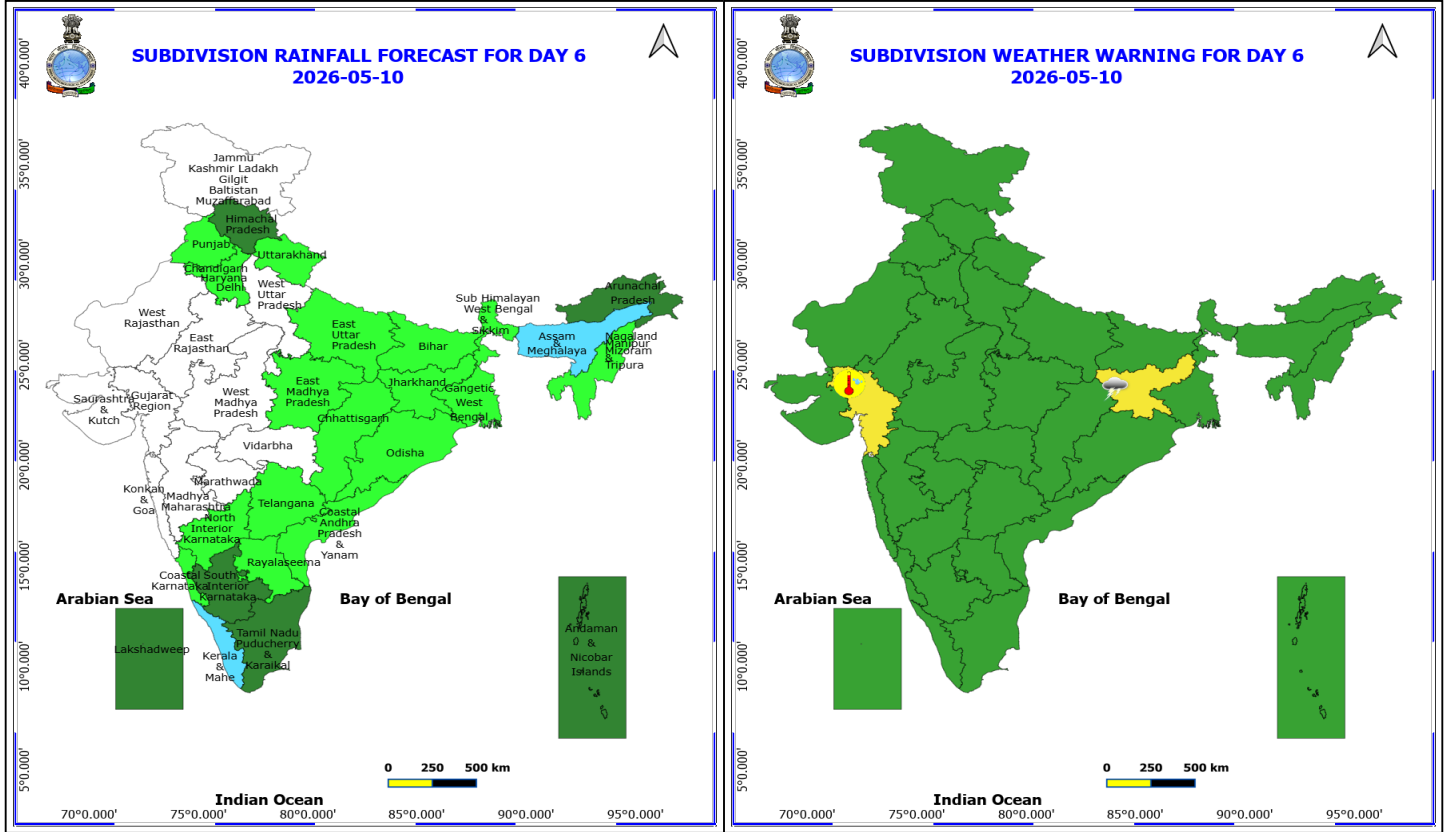


9 May (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jharkhand.
- ❖ **Hot and Humid weather** likely at isolated places over Gujarat Region.

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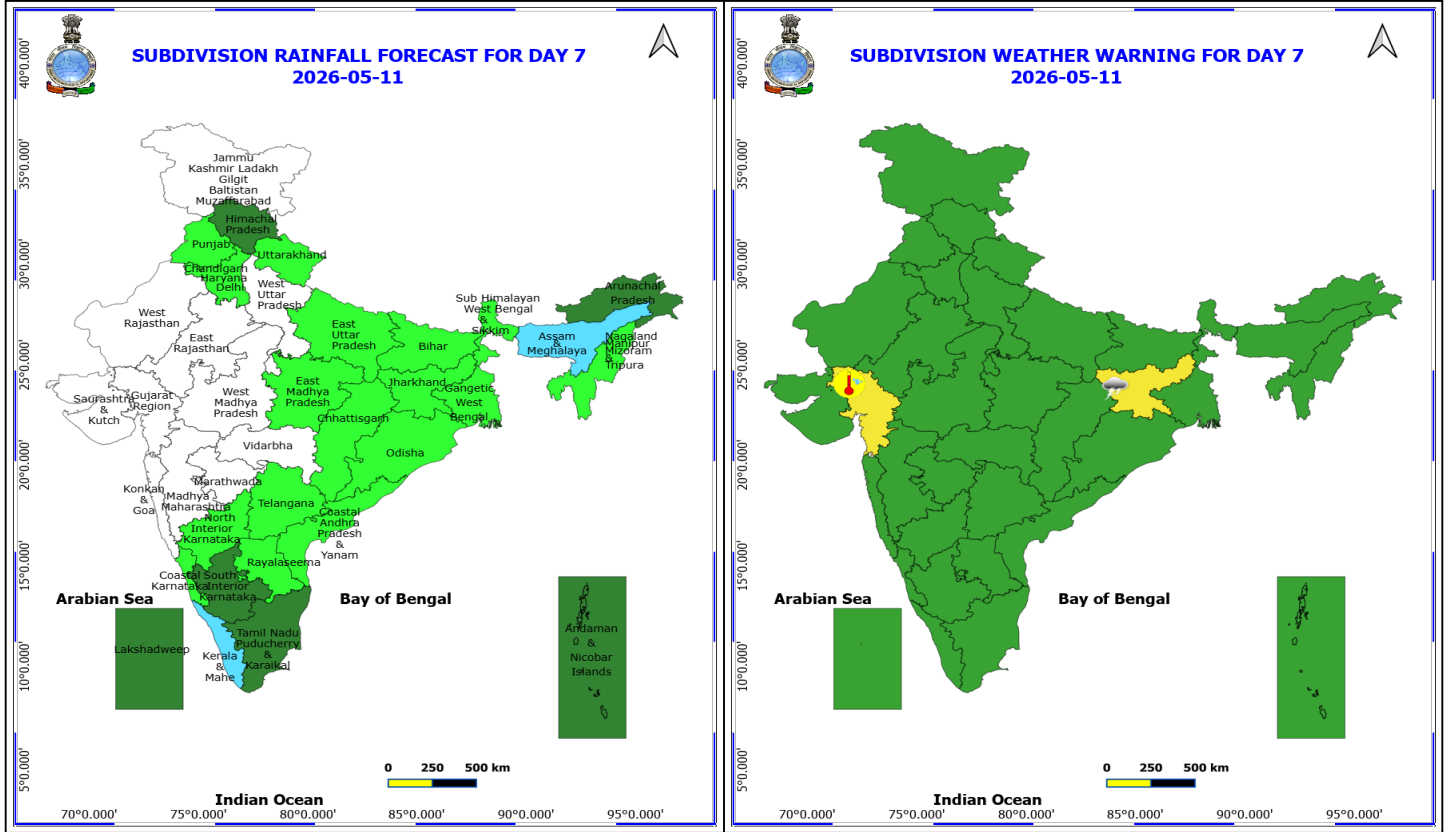
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10 May (Day 6)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jharkhand.
- ❖ **Hot and Humid weather** likely at isolated places over Gujarat Region.

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11 May (Day 7)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jharkhand.
- ❖ **Hot and Humid weather** likely at isolated places over Gujarat Region.

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	5- May	6- May	7- May	8- May	9- May	10- May	11- May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	ISOL	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	FWS	SCT	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	FWS	FWS	SCT	SCT	SCT	FWS	FWS
4	N. M. M. & T.	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	WS	FWS	FWS	SCT	SCT	ISOL	ISOL
6	GANGETIC WEST BENGAL	WS	FWS	FWS	SCT	SCT	ISOL	ISOL
7	ODISHA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	FWS	SCT	SCT	SCT	SCT	ISOL	ISOL
9	BIHAR	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	FWS	SCT	SCT	SCT	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	SCT	ISOL	ISOL	ISOL	DRY	DRY
12	UTTARAKHAND	FWS	FWS	SCT	SCT	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	SCT	ISOL	ISOL	DRY	DRY	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
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	ISOL	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
25	MARATHWADA	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
27	CHATTISGARH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
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	SCT	SCT	SCT	SCT	SCT
35	KERALA	SCT	SCT	FWS	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 2026-05-04

Fig. 2: Departure of Maximum Temp. Dated 2026-05-04

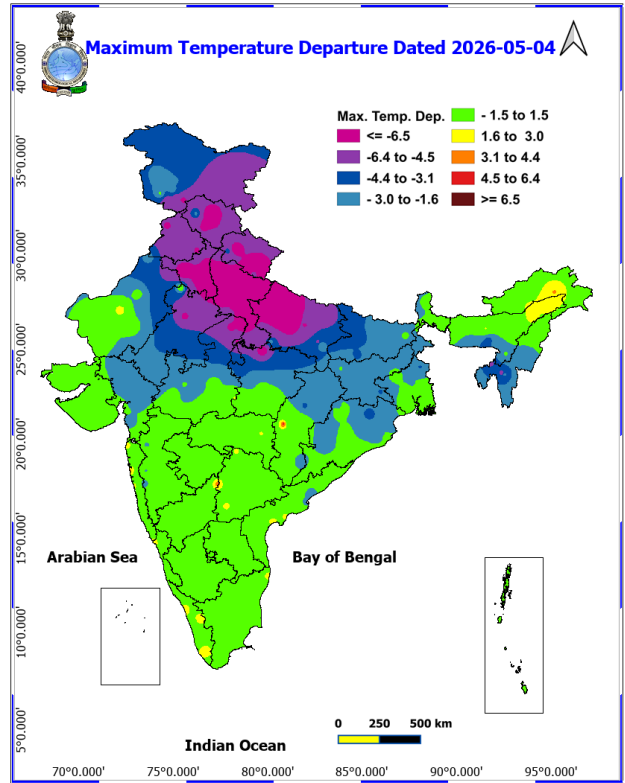
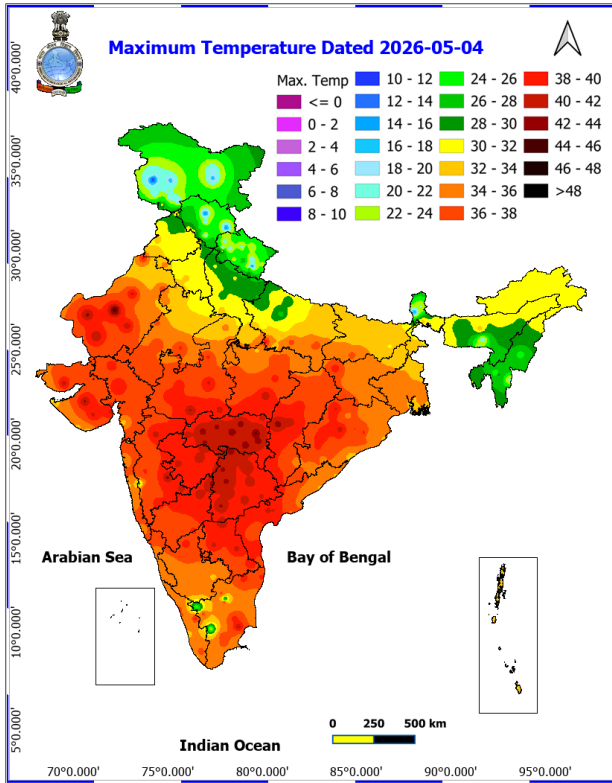
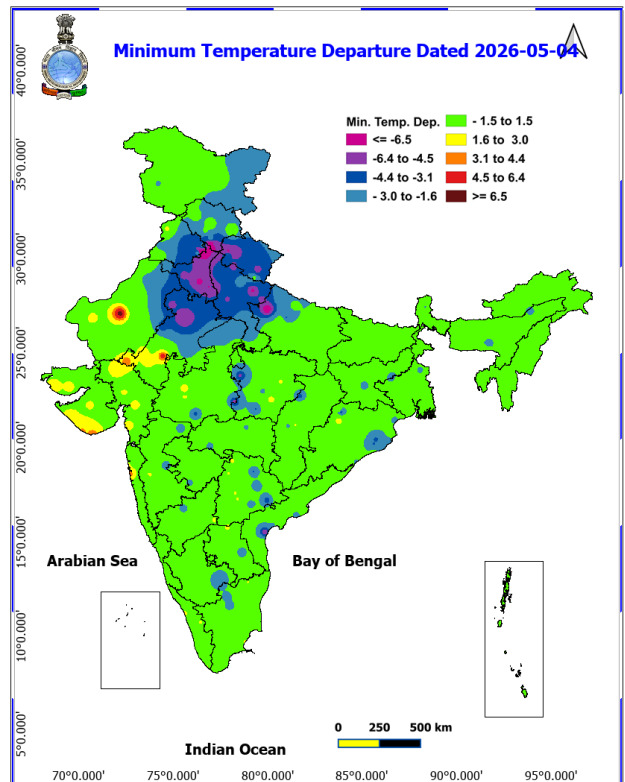
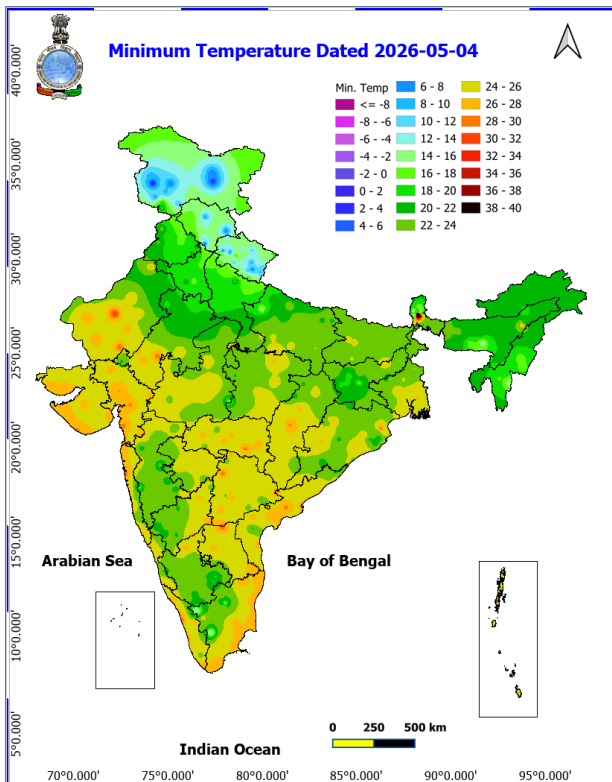
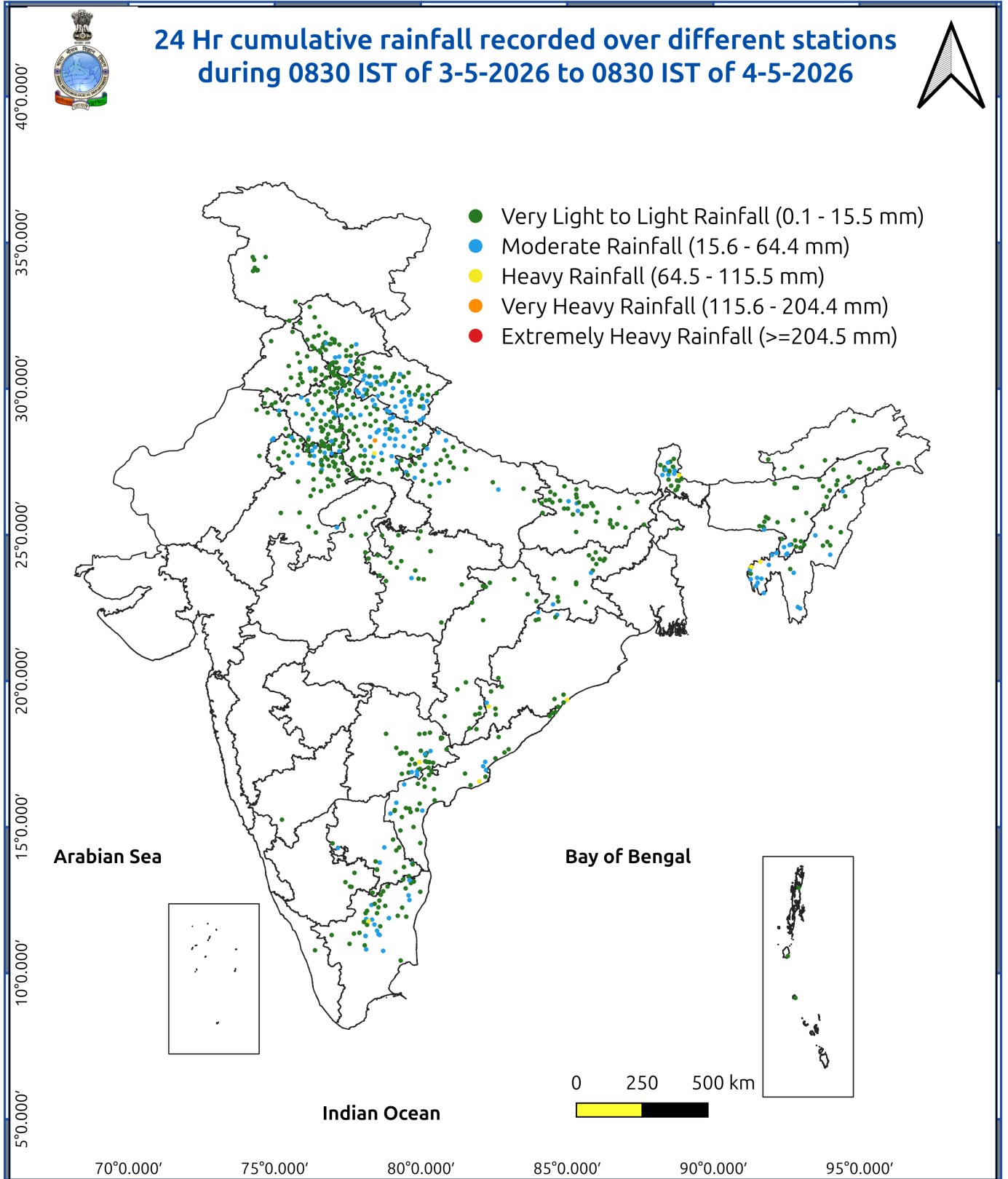


Fig. 3: Minimum Temperatures Dated 2026-05-04

Fig. 4: Departure of Minimum Temp. Dated 2026-05-04





Impact and Actions

Impact & suggested due to heavy rainfall

- **Isolated heavy rainfall** likely over Arunachal Pradesh, Coastal Andhra Pradesh & Yanam on 05th; over Sub-Himalayan West Bengal & Sikkim on 05th & 06th; over Bihar, Kerala & Mahe on 06th; over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 4 days; South Interior Karnataka on 06th & 07th 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 Chhattisgarh, Madhya Pradesh, East Uttar Pradesh, Gangetic West Bengal, Jharkhand, Odisha and Coastal Andhra Pradesh & Yanam on 05th May; Bihar on 06th May.
- **Isolated Hailstorm activity** likely over Jharkhand and Odisha on 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.
- 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.

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- 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 **Jharkhand, Odisha, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh and Telangana**, 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 prolonged rainwater stagnation 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.
- In **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 prevent waterlogging.
- In **Odisha**, ensure proper drainage in paddy nurseries, pulses, and vegetable fields, and safeguard harvested produce from waterlogging damage.
- In **Kerala**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants.
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in blackgram, green gram, sugarcane plantations, and vegetables.
- In **Coastal Andhra Pradesh**, maintain drainage in paddy, maize, and horticultural crops (mango, banana) and avoid water stagnation in fields.
- In **South Interior Karnataka**, provide adequate drainage in ragi, maize, pulses, and vegetable crops to prevent waterlogging.

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.

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- 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.

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)

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