

2026-04-13

Time of Issue: 13:34:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Warning and Forecast:

Northeast India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning, gusty winds** (speed reaching 30-50) likely over Assam & Meghalaya during 13th-17th; Nagaland, Manipur, Mizoram & Tripura during 13th-14th April; with **lightning** over Arunachal Pradesh during 13th -17th; Nagaland, Manipur, Mizoram & Tripura on 15th & 16th April.
- **Isolated heavy rainfall** likely over Arunachal Pradesh on 14th, 18th & 19th; Assam & Meghalaya during 17th-19th April.

Northwest India:

- **Isolated to Scattered** light rainfall with **thunderstorm, lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 18th & 19th; Himachal Pradesh during 17th-19th; Uttarakhand on 17th & 18th April.

East India:

- **Isolated to Scattered** light rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-40 kmph) likely over Sub-Himalayan West Bengal & Sikkim during 13th-15th April; Gangetic West Bengal on 15th & 16th April;
- **Isolated heavy rainfall** likely over Sikkim on 14th April.

South Peninsular India:

- **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-kmph) likely over North Interior Karnatakaduring 13th-17th April; South Interior Karnatakaduring 15th-17th April; with **lightning** over Kerala & Mahe, South Interior Karnataka on 13th & 14th April, Coastal Karnataka during 13th-17th April.

No significant weather over remaining parts of the country.

Forecast of maximum/day temperatures:

- Gradual rise in maximum temperatures likely over Northwest India by 4-6 °C during 13th -19th April.
- Gradual rise in maximum temperatures likely over Madhya Pradesh by 3-5°C till 16th, over Vidarbha, Chhattisgarh by 2-4°C till 17th April and thereafter no significant change.
- Gradual rise in maximum temperatures likely over East India by 2-4°C likely till 16th April and no significant change during 17th - 19th April
- Gradual rise in maximum temperatures likely over South Peninsular India by 2-3 °C till 15th April and no significant change during 16th - 19th April.
- Gradual rise in maximum temperatures likely over Maharashtra by 2-3 °C till 17th April and no significant change on 18th & 19th April.
- No significant change in maximum temperatures likely over northeast India till 13th & gradual rise by 3-5°C during 14th -16th; No significant change during 17th - 19th April.
- No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Hot & Humid weather warning:

- **Heat wave conditions very likely** in isolated pockets of Saurashtra & Kutch on 13th & 14th; Maharashtra on 15th & 16th; Madhya Pradesh during 16th -18th; Vidarbha, Interior Odisha during 15th -18th, Chhattisgarh during 16th-19th, Madhya; Marathwada on 16th & 17th, North Interior Karnataka during 15th-17th and Jharkhand on

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17th & 18th April.

- **Hot & humid conditions** very likely to prevail in isolated pockets over Bihar, Saurashtra & Kutch during 14th-19th; Konkan & Goa during 14th-16th; Madhya Maharashtra on 17th; Marathwada on 14th & 15th; Coastal Odisha, Gujarat Region during next 7 days; Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu during 13th-17th; Kerala & Mahe during 13th-15th; Coastal Karnataka on 13th & 14th April.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Arunachal Pradesh; **at many places** over Assam & Meghalaya; **at a few places** over Sub Himalayan West Bengal & Sikkim; **at isolated places** over Nagaland, Manipur, Mizoram & Tripura, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Assam & Meghalaya**: Ratacherra 10; Silchar (dist Cachar) 5; Karimganj AWS (dist Sribhumi) 4; Lakhimpur ARG (dist Cachar) 3; Golaghat PTO (dist Golaghat), Bihubar (dist Sibsagar), Udaipur (dist Tinsukia), Sonari ARG (dist Charaideo) 2 Each; **Coastal Karnataka**: Joida (dist Uttara Kannada) 5; Karwar (dist Uttara Kannada); **Arunachal Pradesh**: Deomali AWS (dist Tirap) 2; **Sub Himalayan West Bengal & Sikkim**: Gangtok (dist Gangtok), Dentam (dist Gyalshing) 2 Each; **Nagaland, Manipur, Mizoram & Tripura**: Mangkolemba (dist Mokokchung) 2; **North Interior Karnataka**: Kundgol (dist Dharwad) 2.

❖ **Heavy Rainfall** (from 0830 hours IST of yesterday to 0830 hours IST of today): reported at isolated places over Assam & Meghalaya.

❖ **Strong Surface winds reaching 30-40 kmph (from 0830 hours IST of yesterday to 0830 hours IST of today)**: prevailed at some places over Punjab, Haryana & Uttar Pradesh.

❖ **Minimum Temperature Departures (as on 13-04-2026)**: Minimum temperatures are **appreciably above normal (3.1°C to 5.0°C)** at a few places over North Interior Karnataka; at isolated places over Bihar, Madhya Maharashtra, Rayalaseema, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at many places over South Interior Karnataka; at a few places over Andaman & Nicobar Islands, Coastal Karnataka, Gujarat Region, Kerala & Mahe, Lakshadweep, Marathwada, Nagaland, Manipur, Mizoram & Tripura, Telangana; at isolated places over Chhattisgarh, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, East Uttar Pradesh, Gangetic West Bengal, Vidarbha, West Madhya Pradesh, West Rajasthan, West Uttar Pradesh and are **markedly below normal (-5.1°C or less)** at isolated places over Haryana-Chandigarh-Delhi, Himachal Pradesh, West Madhya Pradesh, West Uttar Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over East Rajasthan; at isolated places over East Uttar Pradesh, Jammu & Kashmir, Odisha, Uttarakhand, Vidarbha; **below normal (-3.0°C to -1.6°C)** at many places over Punjab; at a few places over Assam & Meghalaya, West Rajasthan; at isolated places over Bihar, Chhattisgarh, East Madhya Pradesh, Gangetic West Bengal, Sub-Himalayan West Bengal & Sikkim, Tamil Nadu, Puducherry & Karaikal, Telangana and near normal over rest part of the country. **Today, the lowest minimum temperature of 15.2 °C is observed at Chandigarh over the plains of India.**

❖ **Maximum Temperature Departures (as on 12-04-2026)**: **appreciably above normal(3.1°C to 5.0°C)** at few places over Konkan & Goa; at isolated places over West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over North Interior Karnataka and Kerala & Mahe; at few places over Gujarat Region, Marathwada and Coastal Karnataka; at isolated places over Gangetic West Bengal, Odisha, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and South Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan and East Rajasthan; at most places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, East Uttar Pradesh and Lakshadweep; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Uttarakhand and Haryana-Chandigarh-Delhi. **The highest maximum temperature** of 43.1°C was reported at AKOLA (MAHARASHTRA).

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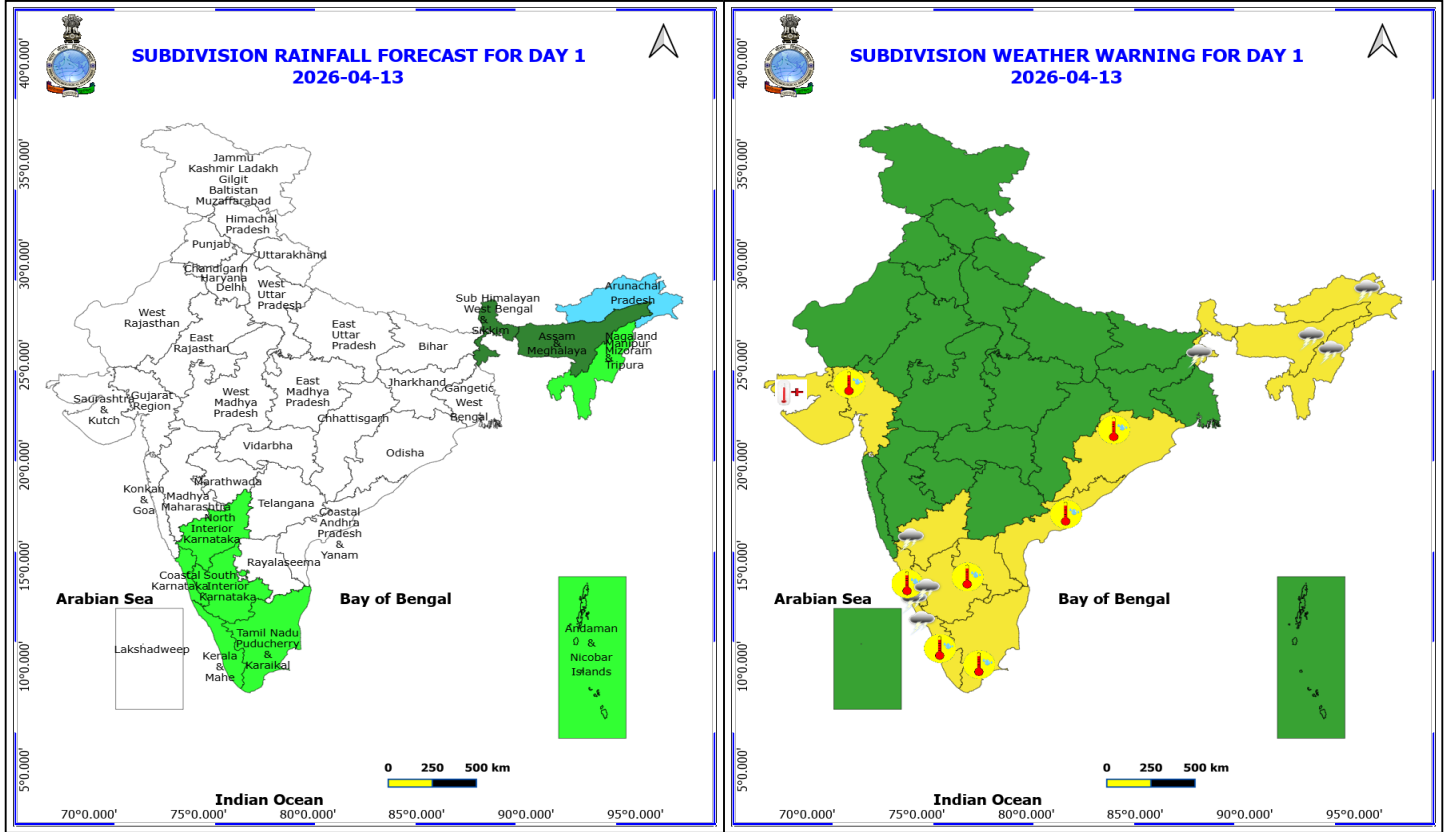
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Meteorological Analysis (Based on 0830 hours IST)

- An **upper air cyclonic circulation** lies over southeast Pakistan adjoining Rajasthan and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over northeast Bihar & neighbourhood and extends upto 1.5 km above mean sea level.
- The **East-West trough** now runs from northeast Uttar Pradesh to Manipur across the cyclonic circulation over northeast Bihar, northern parts of Gangetic West Bengal, Bangladesh at 0.9 km above mean sea level.
- The **north-south trough** now runs from the cyclonic circulation over northeast Bihar to south Tamil Nadu across Jharkhand, north Chhattisgarh, Madhya Pradesh, Vidarbha, Marathwada, Interior Karnataka at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over central Assam at 1.5 km above mean sea level.
- **Subtropical westerly Jet Stream** with core winds of the order of 120 knots at 13.5 km above mean sea level prevails over northwest India.
- An **Anti-cyclonic circulation** lies over Karnataka & adjoining Maharashtra between 3.1 & 5.8 km above mean sea level.
- A fresh feeble **Western Disturbance** is likely to affect Western Himalayan Region from the night of 15th April, 2026.

Weather Outlook for subsequent 3 days

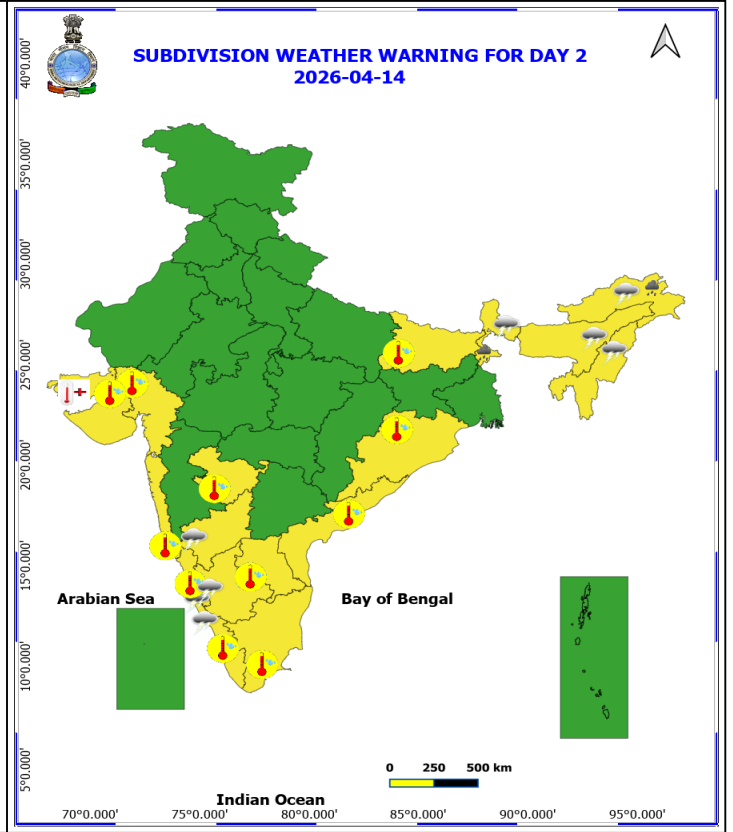
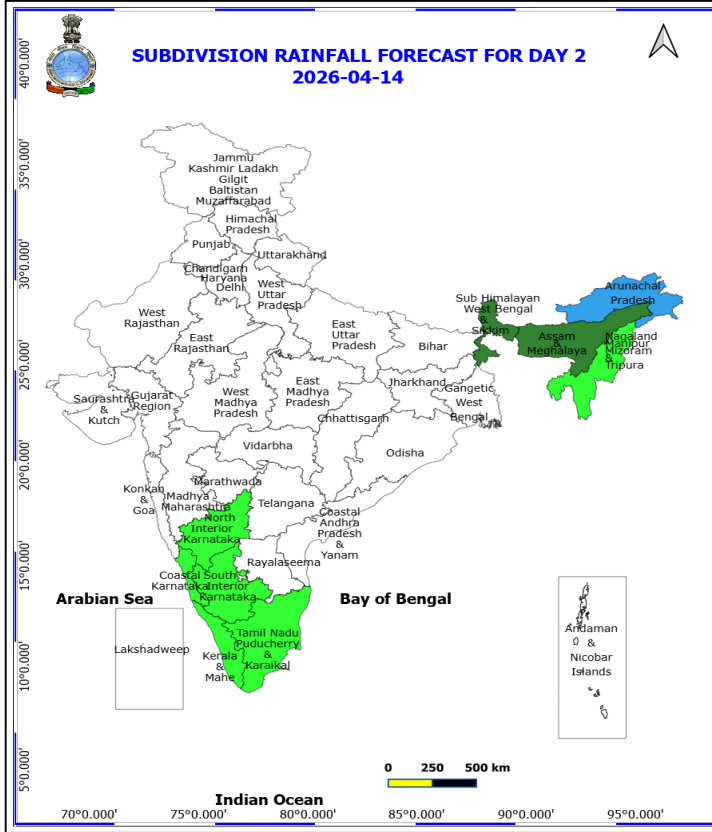
- **Widespread** rainfall activity likely over Northeast India, Western Himalayan Region and Isolated rainfall activity over Gujarat and Western parts of Peninsular India.



13 April (Day 1)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
 - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka, Kerala & Mahe and South Interior Karnataka.
 - ❖ **Heat Wave conditions** very likely at isolated places over Saurashtra & Kutch.
 - ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Coastal Karnataka, Gujarat Region, Kerala & Mahe, Odisha and Tamil Nadu Puducherry & Karaikal.
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- ❖ Squally wind with speed 45 – 55 kmph gusting to 65 kmph likely to prevail along & off Iran and Pakistan coasts adjoining North Arabian Sea.

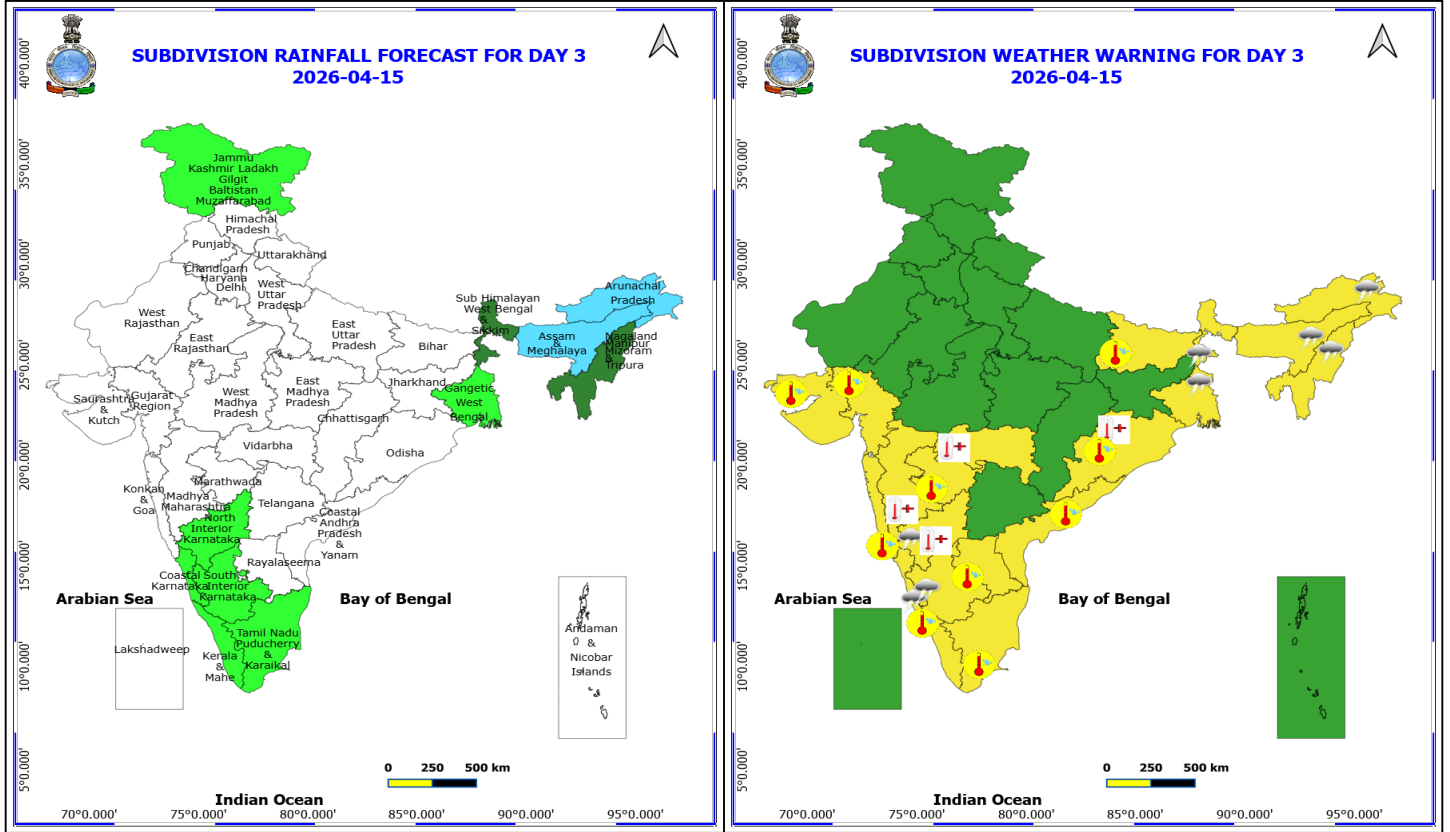
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14 April (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka, Kerala & Mahe and South Interior Karnataka.
- ❖ **Heat Wave conditions** very likely at isolated places over Saurashtra & Kutch.
- ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Bihar, Coastal Karnataka, Gujarat State, Kerala & Mahe, Konkan & Goa, Marathwada, Odisha and Tamil Nadu Puducherry & Karaikal.

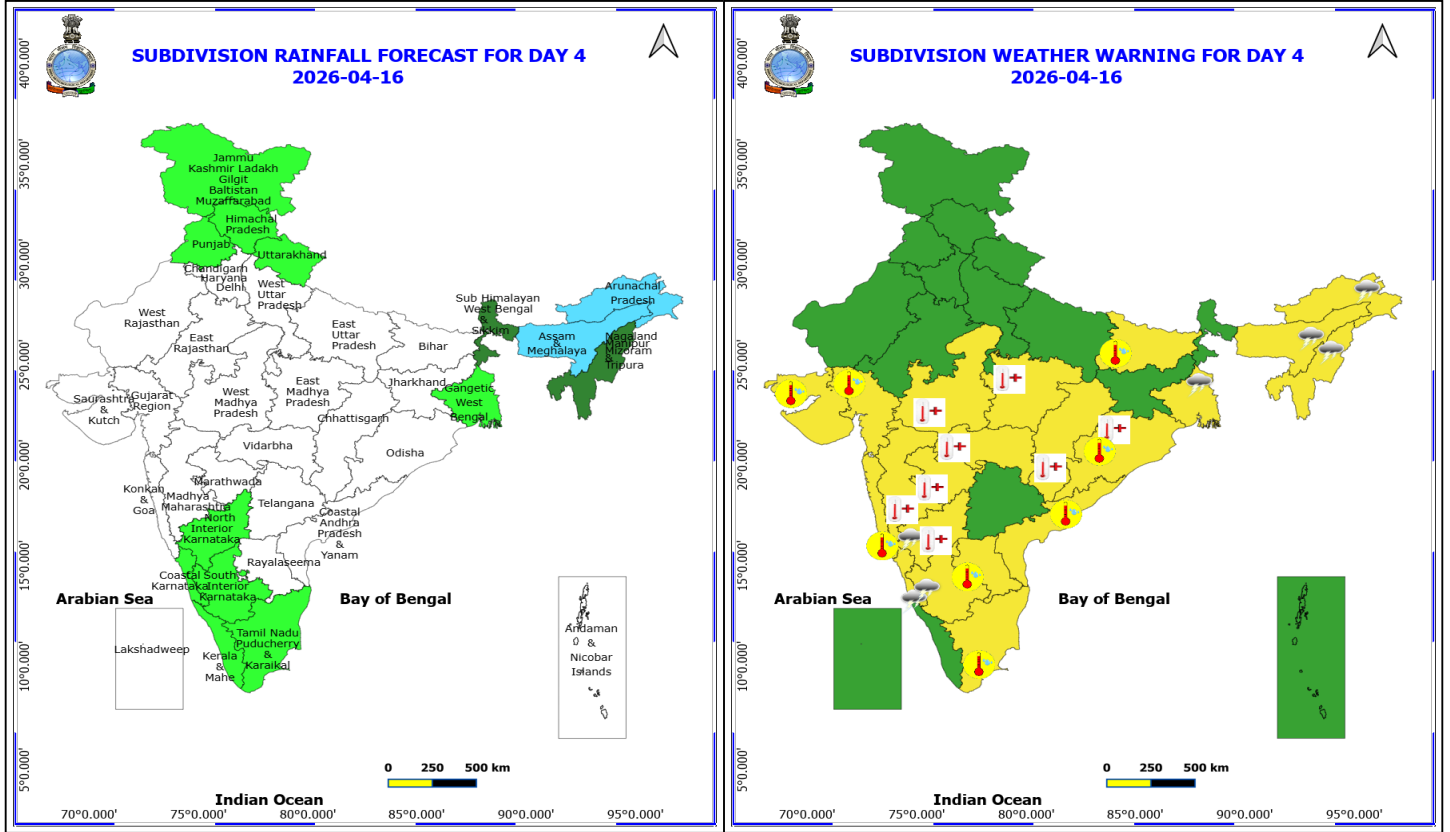
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15 April (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya and Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** very likely at isolated places over Madhya Maharashtra, North Interior Karnataka, Odisha and Vidarbha.
- ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Bihar, Gujarat State, Kerala & Mahe, Konkan & Goa, Marathwada, Odisha and Tamil Nadu Puducherry & Karaikal.

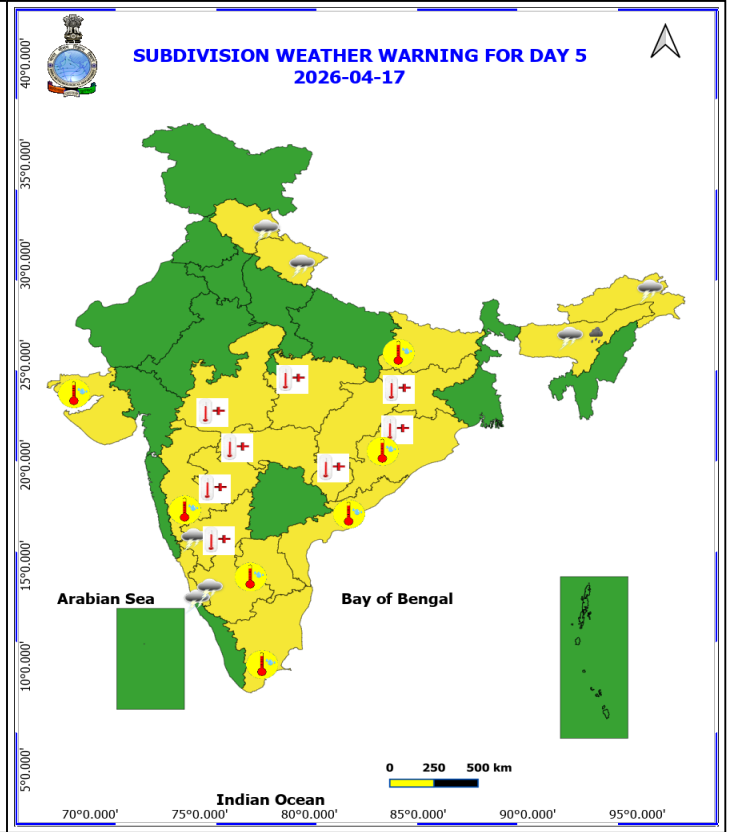
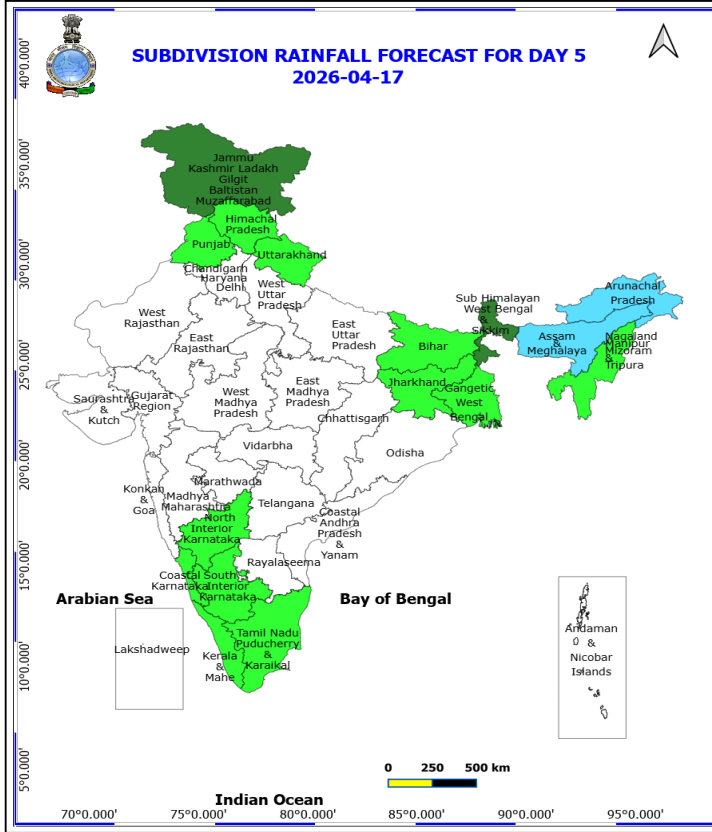
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16 April (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Assam & Meghalaya and Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Coastal Karnataka and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Madhya Pradesh, Maharashtra, North Interior Karnataka and Odisha.
- ❖ **Hot and Humid weather** likely at isolated places over Andhra Pradesh, Bihar, Gujarat State, Konkan & Goa, Odisha and Tamil Nadu Puducherry & Karaikal.

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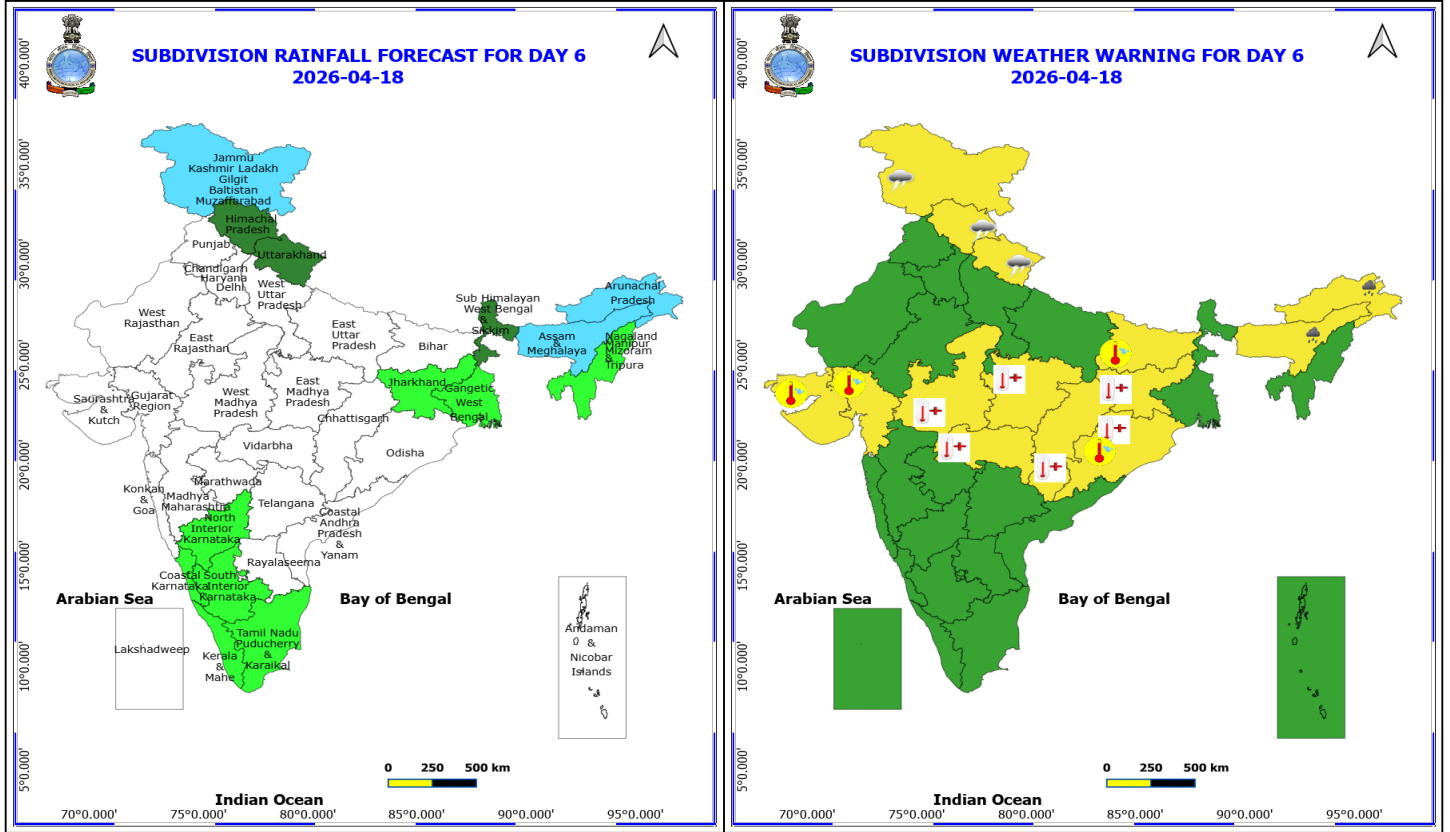
17 April (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh, Interior Karnataka and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Coastal Karnataka.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Jharkhand, Madhya Pradesh, Marathwada, North Interior Karnataka, Odisha and Vidarbha.
- ❖ **Hot and Humid weather** likely at isolated places over Andhra Pradesh, Bihar, Madhya Maharashtra, Odisha, Saurashtra & Kutch and Tamil Nadu Puducherry & Karaikal.

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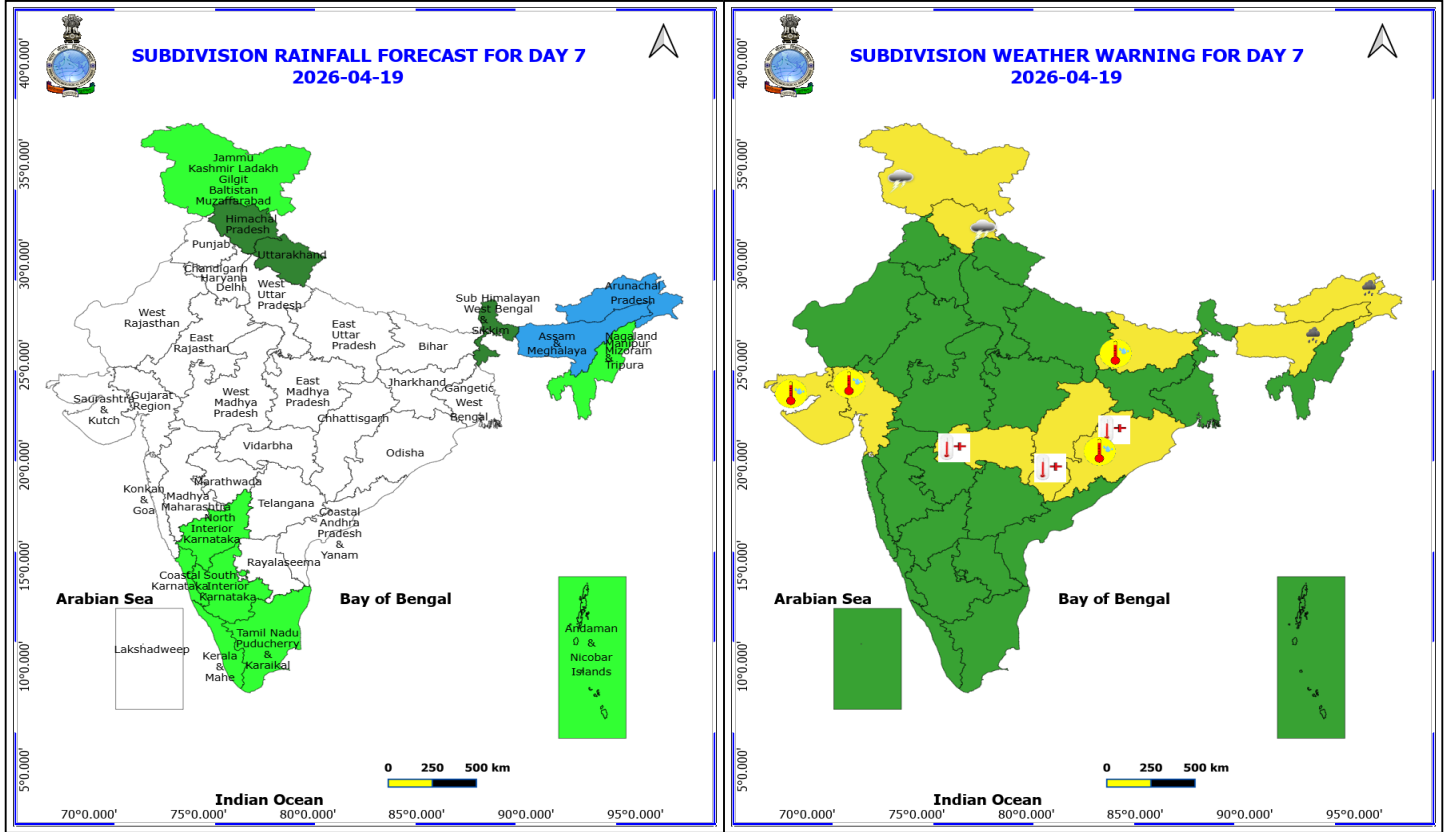
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18 April (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh and Uttarakhand.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha and Vidarbha.
- ❖ **Hot and Humid weather** likely at isolated places over Bihar, Gujarat State and Odisha.

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19 April (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Himachal Pradesh.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Odisha and Vidarbha.
- ❖ **Hot and Humid weather** likely at isolated places over Bihar, Gujarat State and Odisha.

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Table-1

7 Days Rainfall Forecast

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

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 2026-04-12

Fig. 2: Departure of Maximum Temp. Dated 2026-04-12

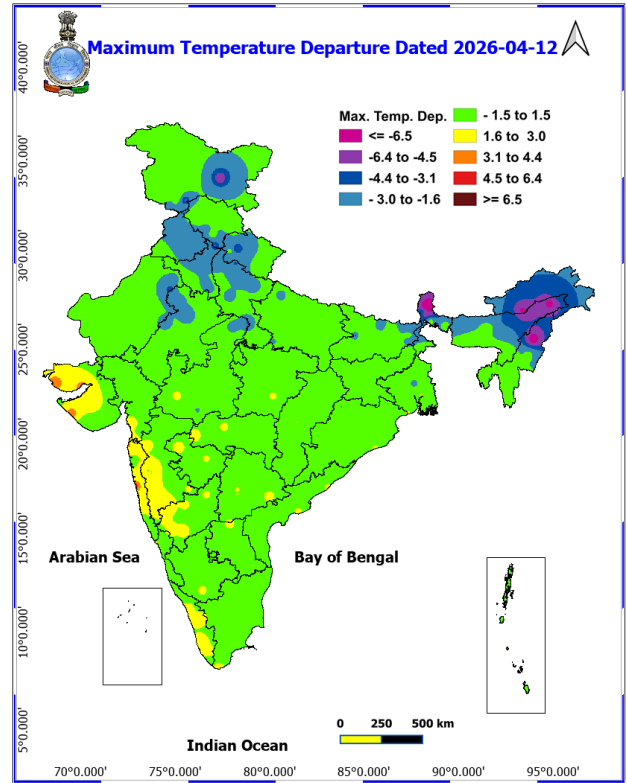
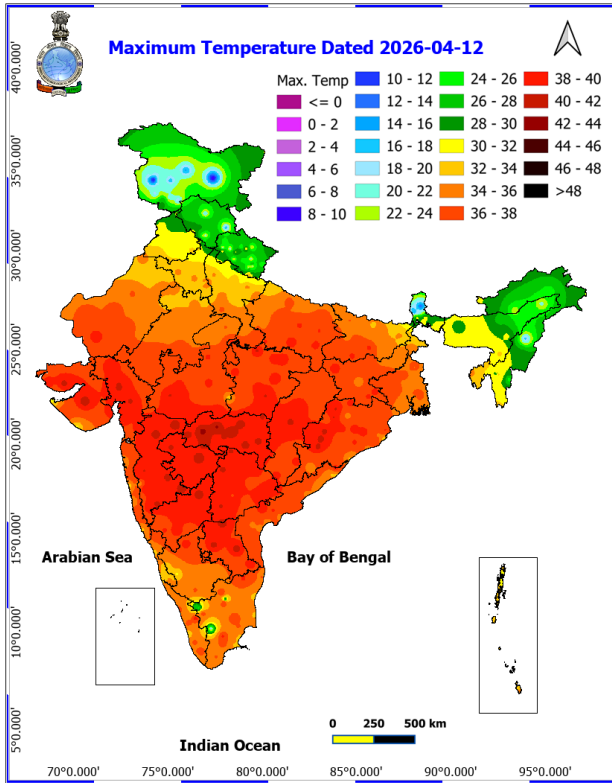
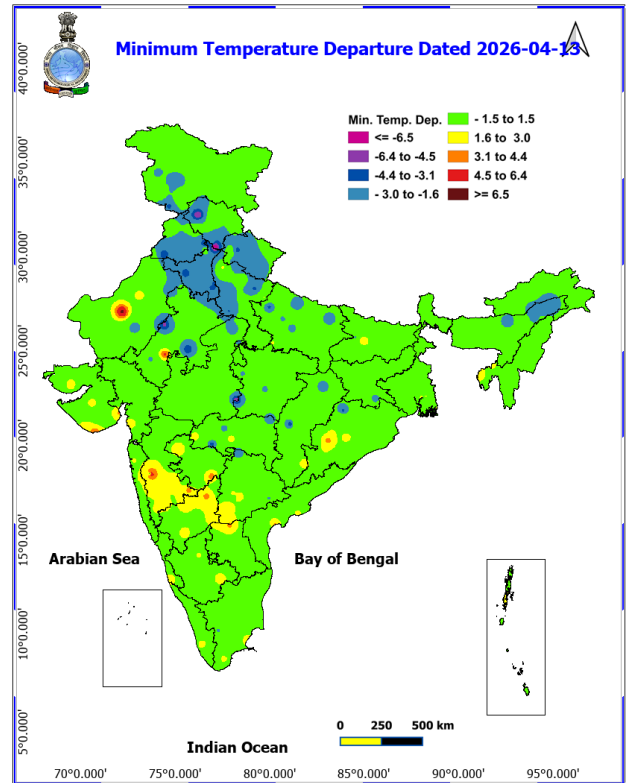
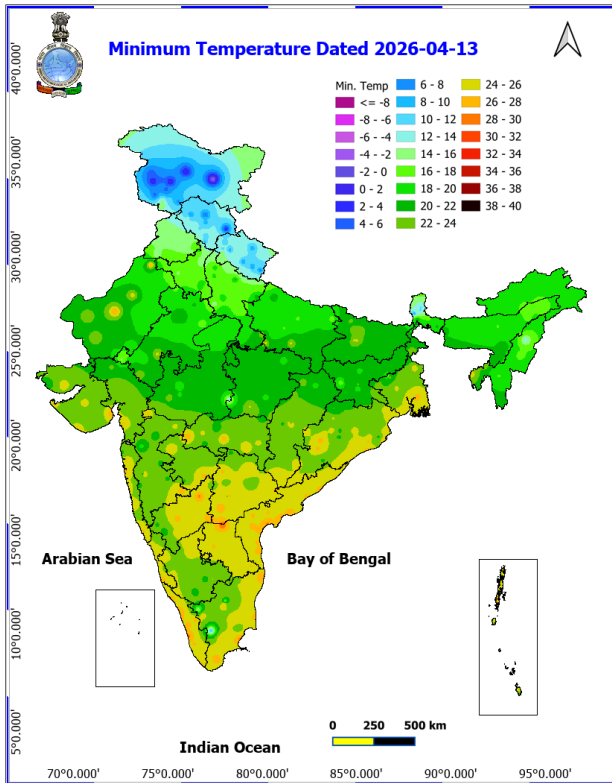


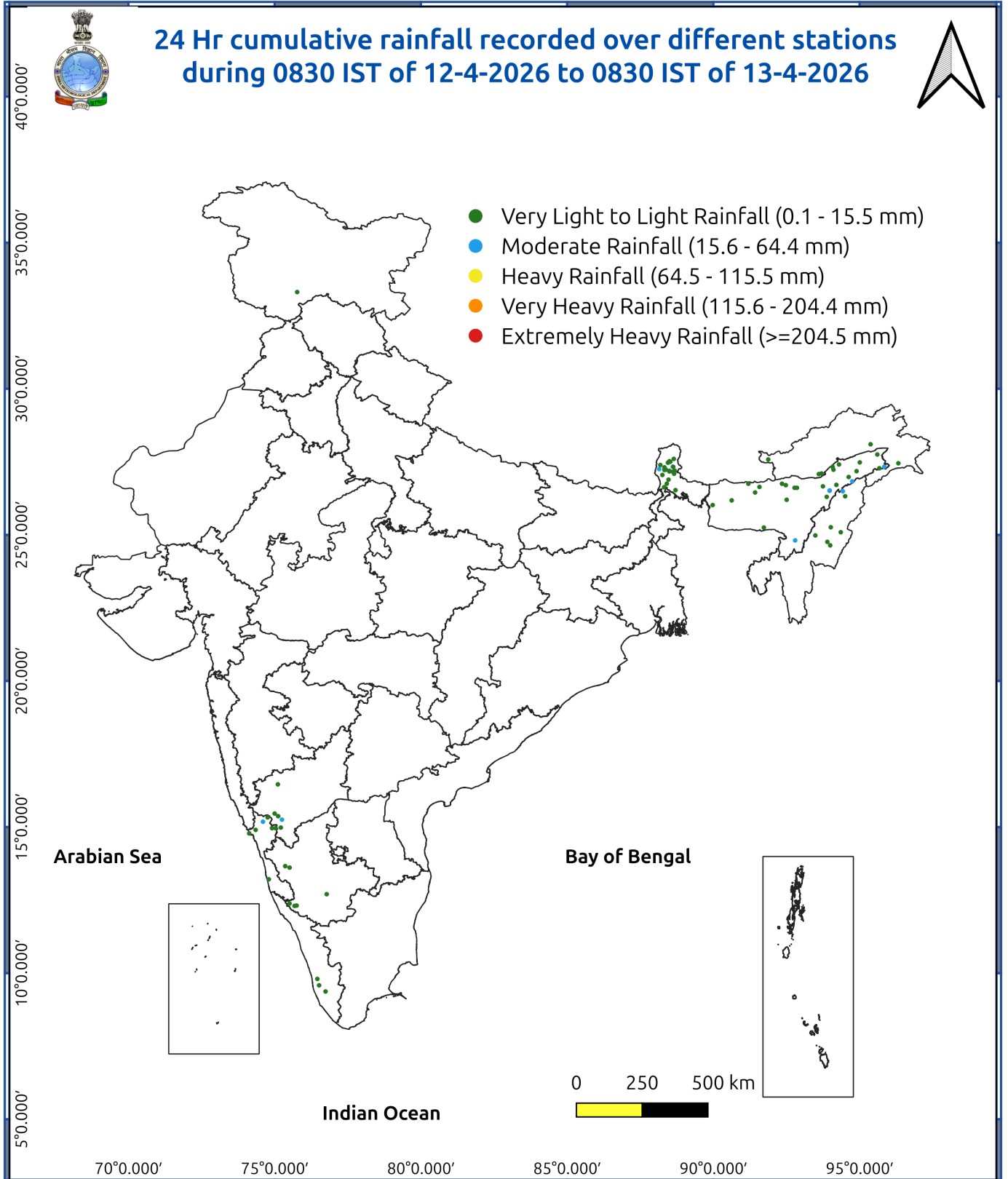
Fig. 3: Minimum Temperatures Dated 2026-04-13

Fig. 4: Departure of Minimum Temp. Dated 2026-04-13



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Impact and Actions

Impact & suggested due to heavy rainfall

Isolated heavy rainfall likely over Sikkim on 14th; over Arunachal Pradesh on 14th, 18th & 19th and over Assam & Meghalaya during 17th - 19th April.

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.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Sikkim**, ensure effective field drainage to prevent waterlogging.
- In **Arunachal Pradesh**, harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places. Ensure proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Odisha**, provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Maintain appropriate soil moisture in mango and cashew.
- In **Chhattisgarh**, complete harvesting of wheat and chickpea, and ensure safe storage. Irrigate summer maize, green gram and vegetables. Maintain soil moisture in mango and litchi.
- In view of hot and humid weather in **Tamil Nadu, Kerala, Andhra Pradesh, Coastal Karnataka, Madhya Maharashtra** and **Gujarat** State, apply light irrigation to summer crops and vegetables.

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

- 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.

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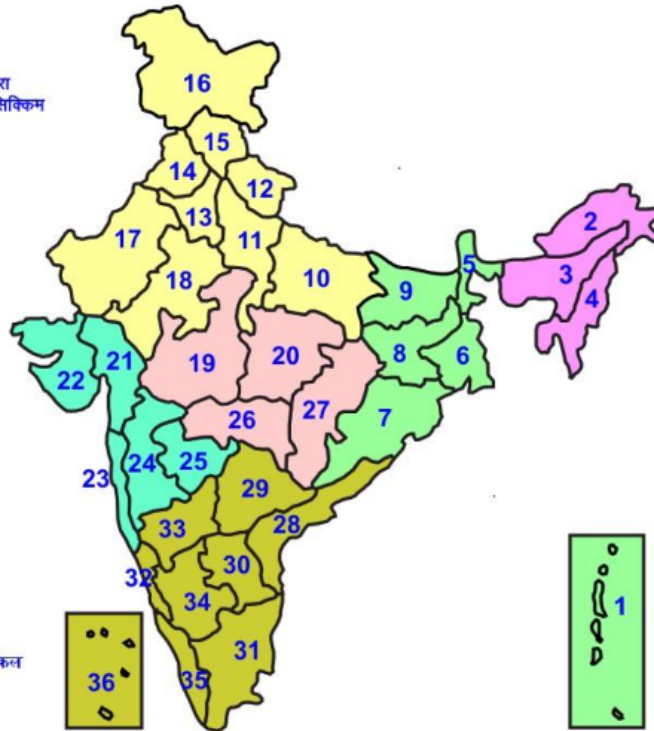
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LEGENDS

- 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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