

2026-04-07

Time of Issue: 08:10:00 hours IST  
(Morning)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather forecast and warnings:

##### Northwest India:

- A fresh wet spell with **fairly widespread to widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 Kmph) likely over Jammu-Kashmir, Himachal Pradesh & Uttarakhand during 07<sup>th</sup>-10<sup>th</sup> April; **Scattered to fairly widespread** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Punjab, Haryana, Chandigarh, Delhi, West Uttar Pradesh & East Rajasthan on 07<sup>th</sup> & 08<sup>th</sup>; East Uttar Pradesh during on 07<sup>th</sup> - 09<sup>th</sup> April.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Rajasthan on 07<sup>th</sup> April.
- **Isolated hailstorm activity** also likely over Jammu-Kashmir, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh, Himachal Pradesh, Uttarakhand during 07<sup>th</sup> & 08<sup>th</sup>, Rajasthan on 07<sup>th</sup>: East Uttar Pradesh on 08<sup>th</sup> April.
- **Isolated heavy rainfall** likely over Kashmir Valley on 07<sup>th</sup>, Himachal Pradesh on 8<sup>th</sup> April.

##### Northeast India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightninggusty winds** (speed reaching 30-40 kmph) likely over Northeast India during next 4 days.
- **Isolated heavy rainfall** likely over Arunachal Pradesh on 07<sup>th</sup> & 09<sup>th</sup> & 12<sup>th</sup>; Assam & Meghalaya on 08<sup>th</sup>, 12<sup>th</sup> & Nagaland, Manipur, Mizoram & Tripura on 09<sup>th</sup> April.

##### East India:

- **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmphgusting to 60 kmph) likely over East India during next 4 days.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Sub-Himalayan West Bengal & Sikkim, Bihar on 08<sup>th</sup>: Jharkhand, Odisha on 07<sup>th</sup> & 08<sup>th</sup> April.
- **Isolated Hailstorm activity** likely over Bihar & Jharkhand on 08<sup>th</sup> April.

##### Central India:

- **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Central India during next 3-4 days.

##### West India:

- **Isolated** light to moderate rainfall **with thunderstorm & lightning** likely over Gujarat State on 07<sup>th</sup> April.

##### South Peninsular India:

- **Isolated** light to moderate rainfall **with thunderstorm, lightning& gusty winds** (speed reaching 30-50 kmph) likely over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 07<sup>th</sup> – 09<sup>th</sup> and Interior Karnataka on 09<sup>th</sup> & 10<sup>th</sup>April; with **lightning** over South Interior Karnataka on 07<sup>th</sup> & 08<sup>th</sup> April: Coastal Karnataka on 09<sup>th</sup> & 10<sup>th</sup>April.

#### Forecast of maximum/day temperatures:

- Gradual fall in maximum temperatures by 3-5°C likely over Northwest India on 07<sup>th</sup> & 08<sup>th</sup> April and gradual rise by 4-6°C during 09<sup>th</sup> -12<sup>th</sup> April.

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- No significant change in maximum temperatures likely over Central India till 08<sup>th</sup> and gradual rise by 2-4°C during 09<sup>th</sup> -12<sup>th</sup> April.
- Gradual fall in maximum temperatures likely over East India by 2-3°C during 07<sup>th</sup> - 09<sup>th</sup> April and gradual rise by 3-5°C during 10<sup>th</sup> -12<sup>th</sup> April.
- No significant change in maximum temperatures likely over West India till 08<sup>th</sup> and gradual rise by 2-4°C during 09<sup>th</sup> -12<sup>th</sup> April.
- No significant change in maximum temperatures likely over rest parts of the country.

**Hot & Humid weather Warnings:**

- **Hot & humid conditions** very likely to prevail in isolated pockets over Tamil Nadu on 07<sup>th</sup> April.

### Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Nagaland, Manipur, Mizoram & Tripura**: Imphal (tulihal) AP (dist Imphal East) 1; **West Rajasthan**: Jaisalmer (dist Jaisalmer) 1; **Gangetic West Bengal**: Kolkata (dum Dum) AP (dist North 24 Parganas), Kolkata-alipur (dist Kolkata), Diamond Harbour (dist South 24 Parganas), Haldia (dist Purba Medinipur) 1 Each.

❖ **Minimum Temperature Departures (as on 06-04-2026): markedly above normal(> 5.1°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya, Bihar, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Bihar, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Lakshadweep; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, East Madhya Pradesh, Telangana and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Himachal Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Chhattisgarh, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep; at most places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Jharkhand and Gujarat Region; at few places over Arunachal Pradesh, Odisha, East Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka; at isolated places over Gangetic West Bengal and West Uttar Pradesh. **The lowest minimum temperature of 14.5 °C is observed at Hardoi and Najibabad (West Uttar Pradesh) & Karnal(Haryana) over the plains of India.**

❖ **Maximum Temperature Departures (as on 06-04-2026): appreciably above normal(3.1°C to 5.0°C)** at few places over Assam & Meghalaya; at isolated places over Chhattisgarh and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Konkan & Goa; at most places over Sub Himalayan West Bengal & Sikkim, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Rayalaseema, Coastal Karnataka and South Interior Karnataka; at few places over Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, East Rajasthan and North Interior Karnataka; at isolated places over Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch and Marathwada. **The highest maximum temperature of 40.7°C was reported at NANDYAL (ANDHRA PRADESH).**

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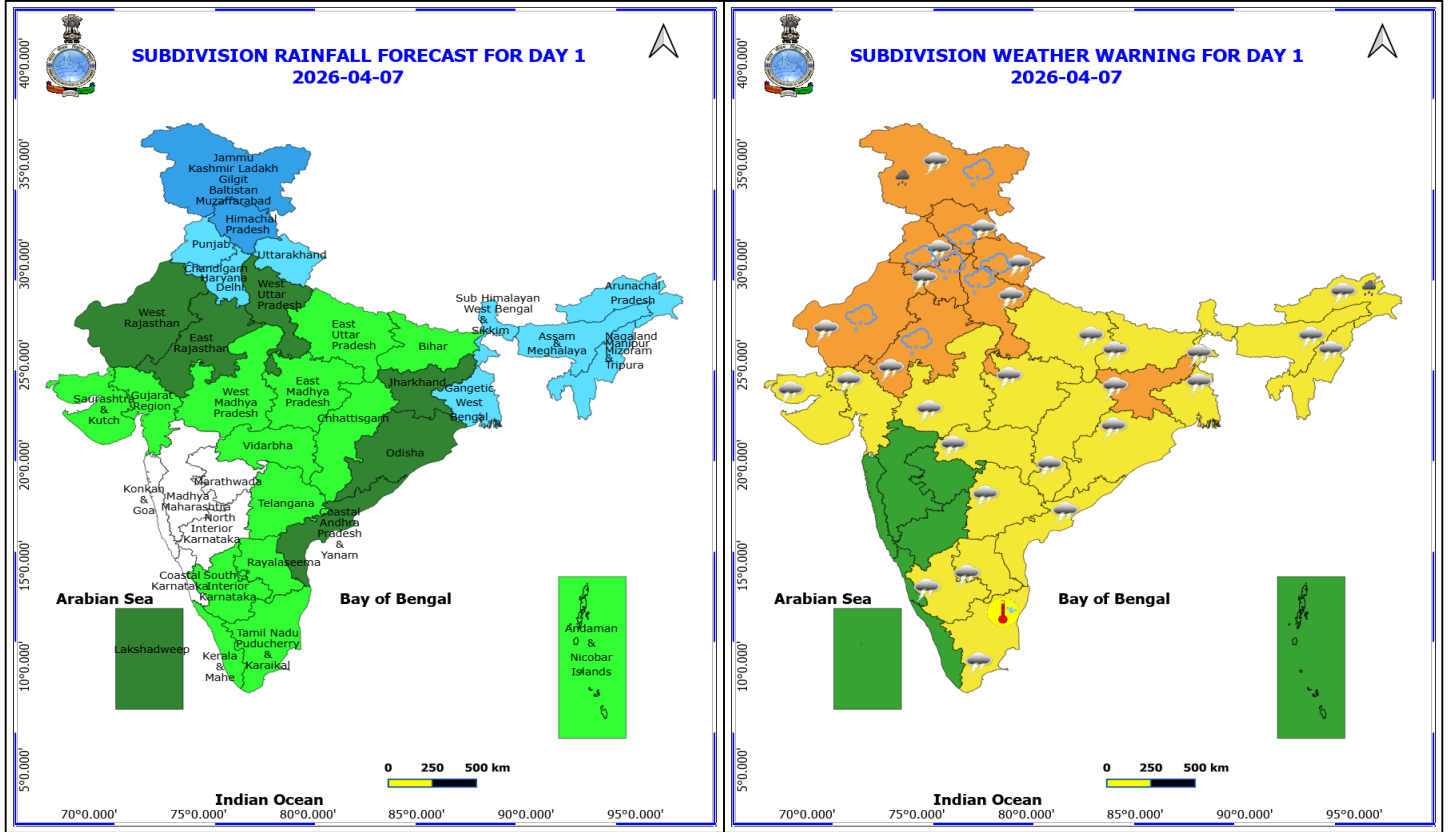
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### Meteorological Analysis (Based on 0530 hours IST)

- The **Western Disturbance** as a cyclonic circulation over Jammu-Kashmir and neighbourhood between 3.1 & 5.8 km above mean sea level persists.
- The fresh **Western Disturbance** over south Caspian sea & neighbourhood between 5.8 & 9.4 km above mean sea level persists.
- The **trough** in westerlies at 3.1 km above mean sea level now runs roughly along Long. 93°E to the north of Lat. 26°N.
- The **upper-air cyclonic circulation** over westcentral Bay of Bengal off south coastal Andhra Pradesh at 1.5 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over northeast Rajasthan & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & neighbourhood at 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over central parts of East Uttar Pradesh and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over central Assam & neighbourhood and extends upto 1.5 km above mean sea level.
- The **upper-air cyclonic circulation** over Telangana & neighbourhood now lies over south Telangana & neighbourhood at 0.9 km above mean sea level.
- The **trough now runs** from the **upper-air cyclonic circulation** over Odisha & neighbourhood to Gulf of Mannar across the **upper-air cyclonic circulation** over south Telangana, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over Odisha & neighbourhood at 0.9 km above mean sea level persists.
- **Subtropical westerly Jet Stream** with core winds of the order of 110 knots at 12.6 km above mean sea level prevails over East & Northeast India.
- A fresh **Western Disturbance** is likely to affect Northwest India from 11<sup>th</sup> April, 2026.
- The **upper air cyclonic circulation** over Northeast Vidarbha & neighbourhood at 0.9 km above mean sea level has become less marked.
- The **trough** from northeast Uttar Pradesh to east Vidarbha across East Madhya Pradesh at 1.5 km above mean sea level has become less marked.

### Weather Outlook for subsequent 3 days

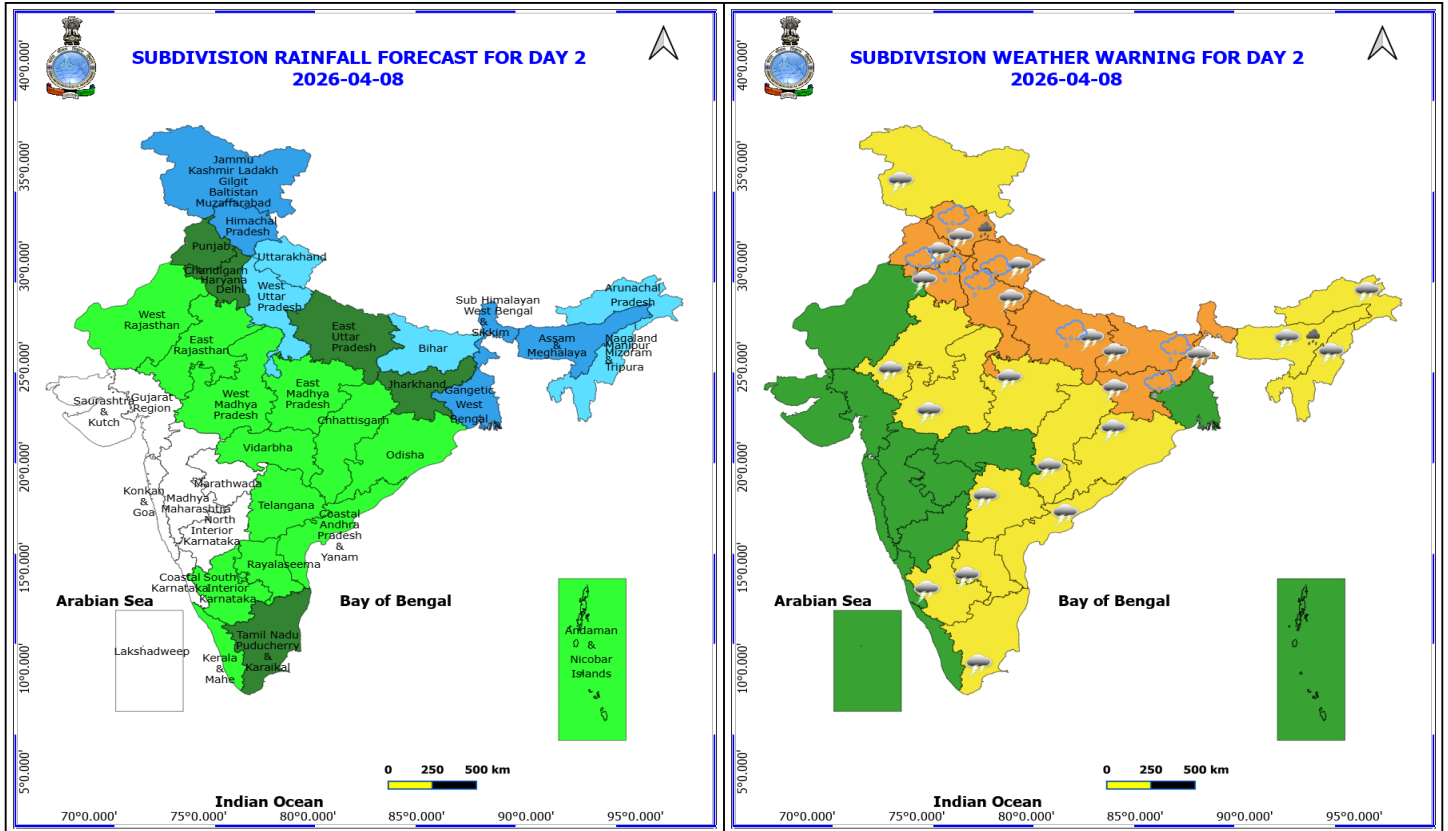
- Widespread rainfall activity likely over Northeast India, Jammu & Kashmir adjoining Punjab, Himachal Pradesh, Tamil Nadu and Isolated rainfall activity over Uttarakhand & adjoining plains of western himalayan region, Central India, Odisha & adjoining Coastal Andhra Pradesh.



**7 April (Day 1)**

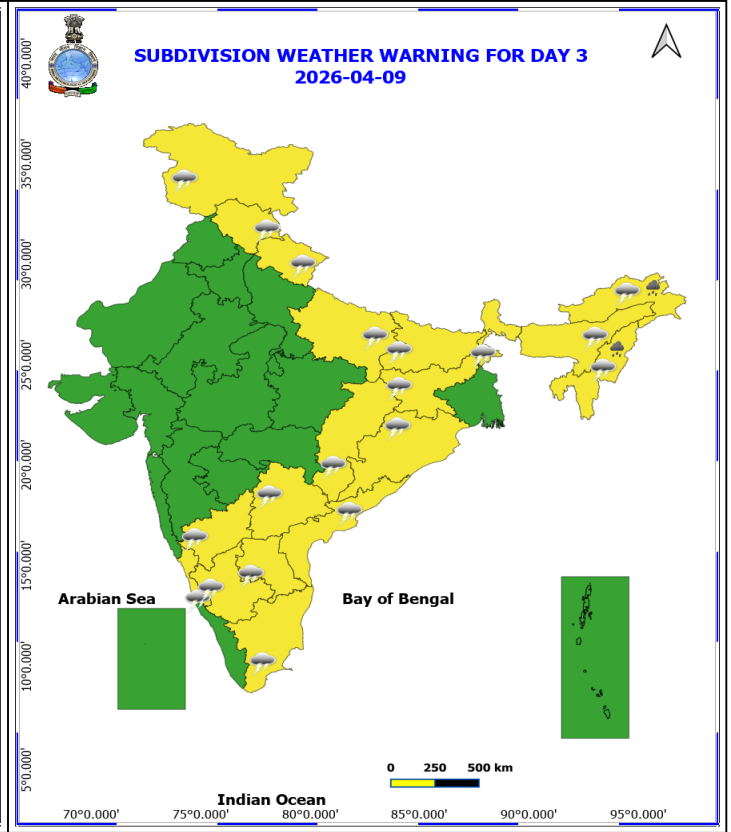
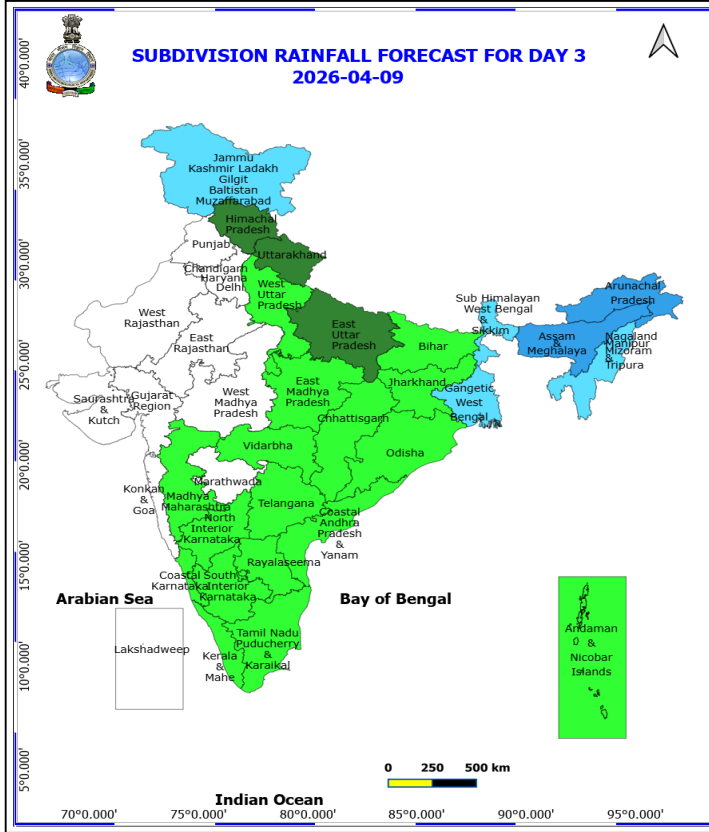
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Rajasthan, Uttarakhand and West Uttar Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Jharkhand, Odisha and Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Uttar Pradesh, Tamil Nadu Puducherry & Karaikal, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Gangetic West Bengal, Gujarat State and South Interior Karnataka.
- ❖ **Hot and Humid weather** very likely at isolated places over Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally weather with wind speed 40 – 50 kmph gusting to 60 kmph** likely to prevail over along and off Gangetic west Bengal adjoining north Odisha coasts.

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## 8 April (Day 2)

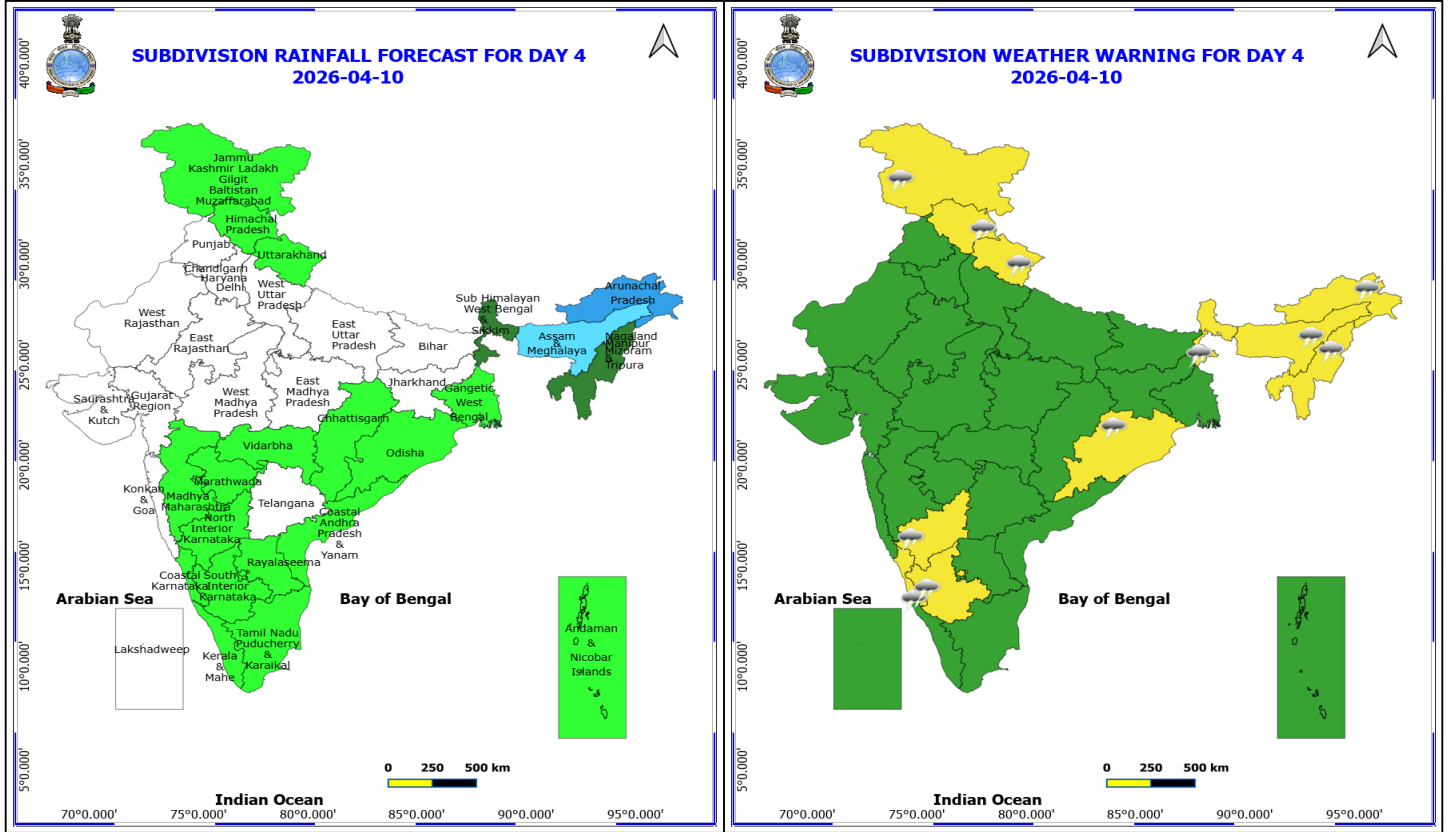
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Himachal Pradesh.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Jharkhand, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, East Rajasthan, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over South Interior Karnataka.
- ❖ **Squally weather with wind speed 40 – 50 kmph gusting to 60 kmph** likely to prevail over along and off Gangetic west Bengal adjoining north Odisha coasts. Squally wind with speed 45 – 55 kmph gusting to 65 kmph likely to prevail over Gulf of Khambhat.



### 9 April (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jharkhand and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffargarh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Karnataka.

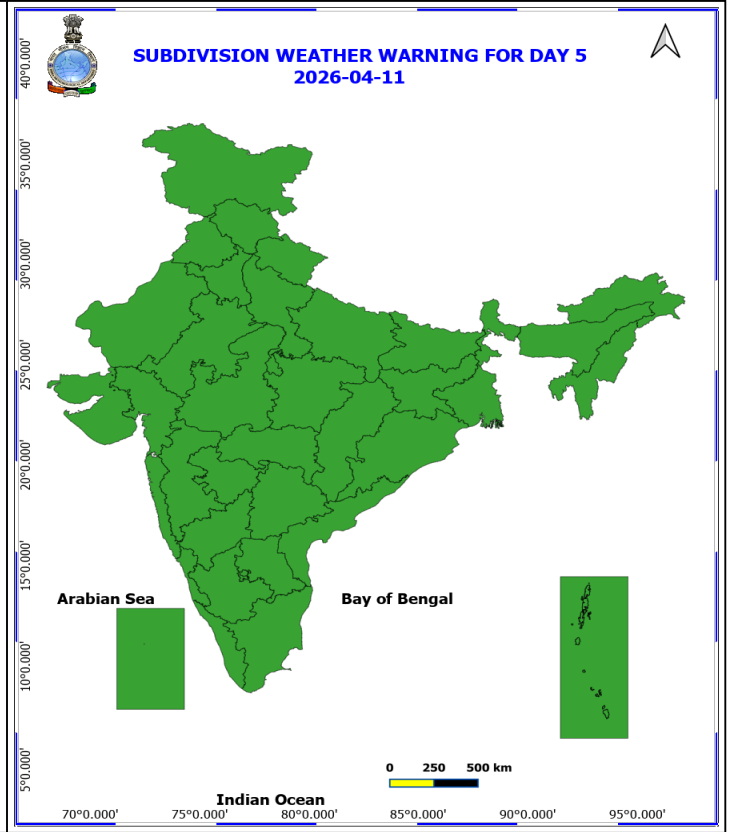
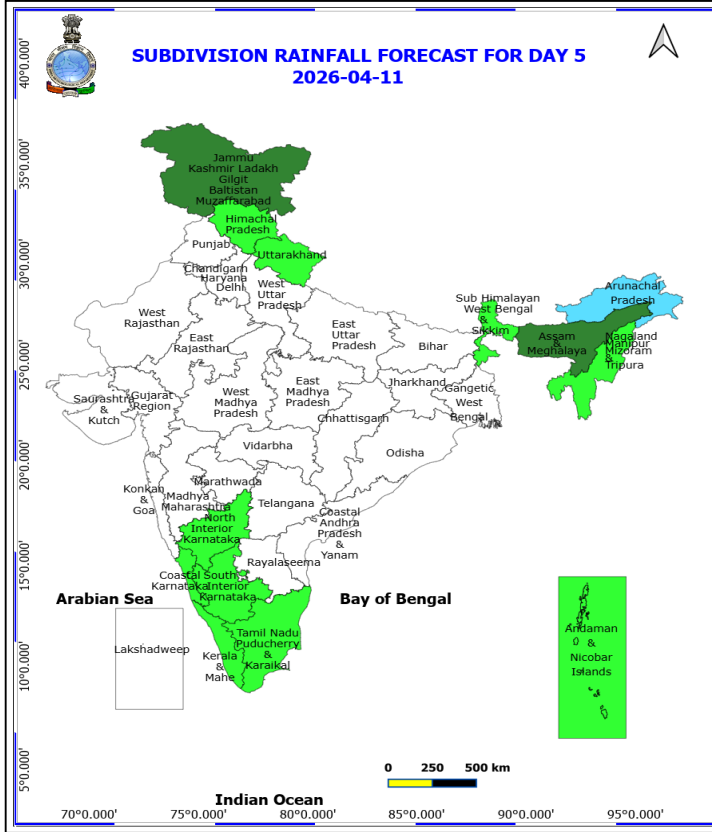
**No Fishermen Warning**



**10 April (Day 4)**

- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Himachal Pradesh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka and Nagaland, Manipur, Mizoram and Tripura.

**No Fishermen Warning**

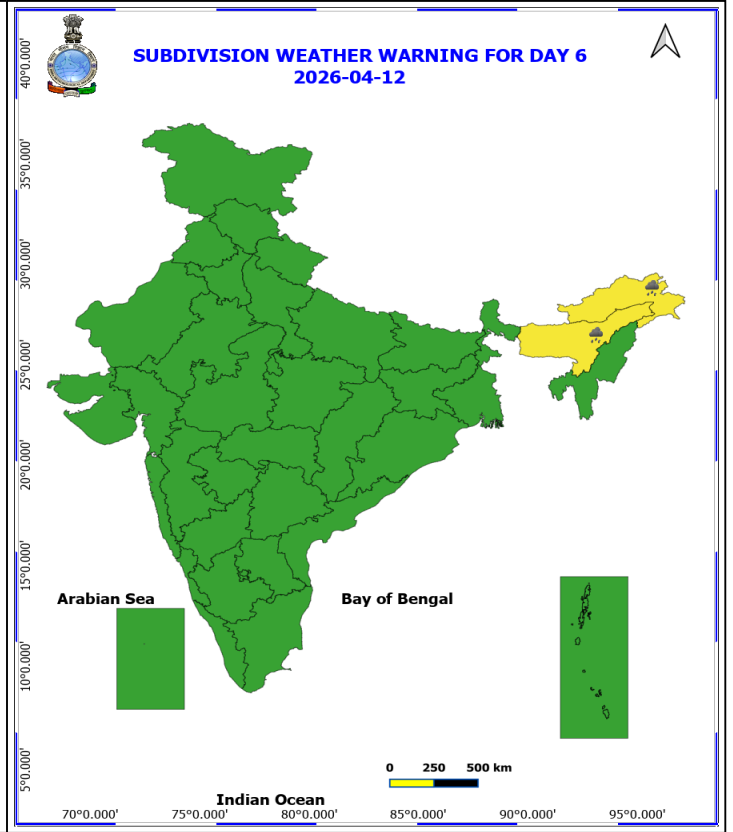
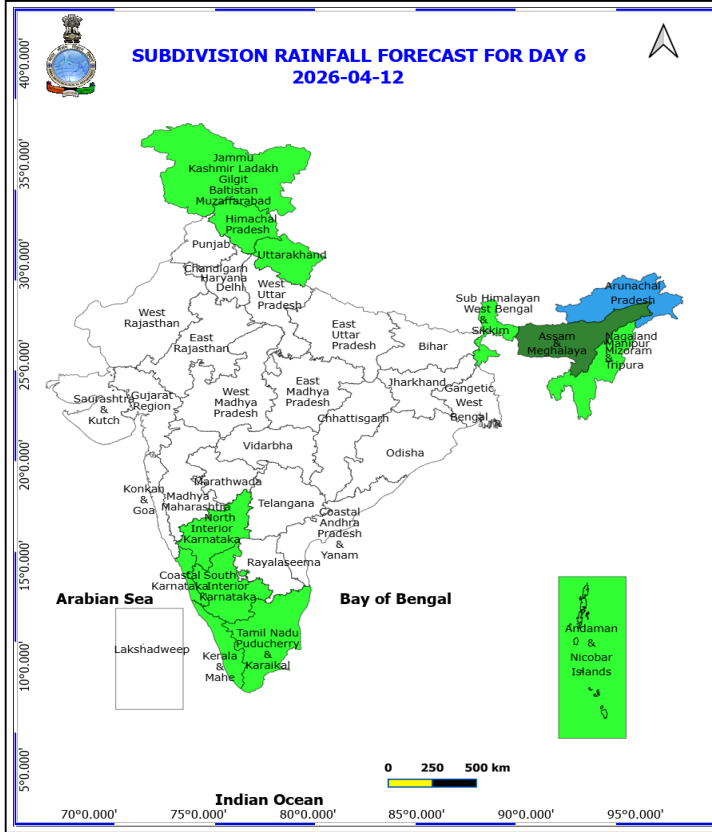


11 April (Day 5)

No Warning

No Fishermen Warning

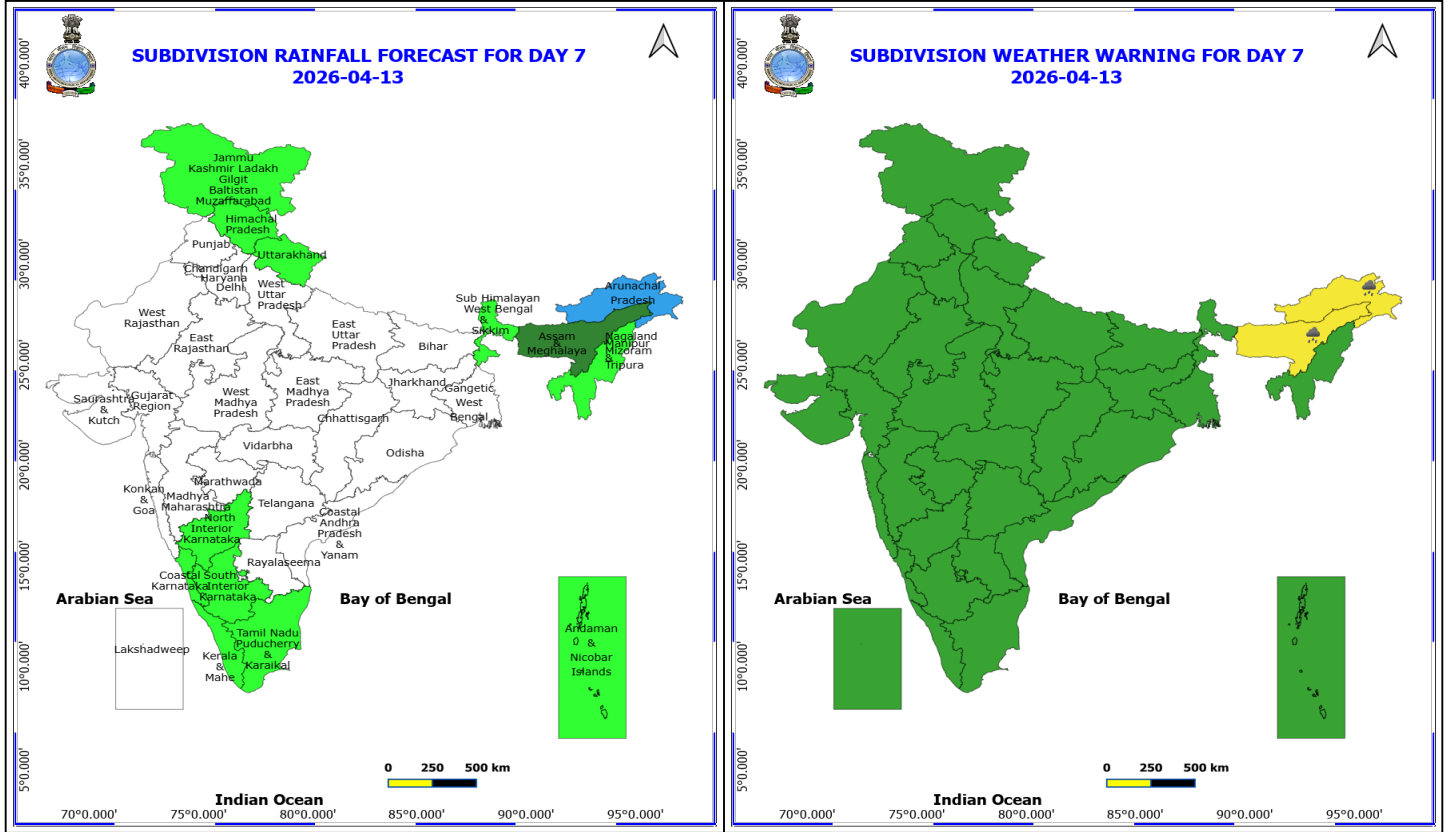
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**12 April (Day 6)**

❖ Heavy Rainfall likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.

**No Fishermen Warning**



**13 April (Day 7)**

❖ Heavy Rainfall likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

S.No.	Subdivision	7- Apr	8- Apr	9- Apr	10- Apr	11- Apr	12- Apr	13- Apr
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	FWS	FWS	WS	WS	FWS	WS	WS
3	ASSAM & MEHGHALAYA	FWS	WS	WS	FWS	SCT	SCT	SCT
4	N. M. M. & T.	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
5	S.H. WEST BENGAL & SIKKIM	FWS	WS	FWS	SCT	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	FWS	WS	FWS	ISOL	DRY	DRY	DRY
7	ODISHA	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
8	JHARKHAND	SCT	SCT	ISOL	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	FWS	ISOL	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	SCT	SCT	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	SCT	FWS	ISOL	DRY	DRY	DRY	DRY
12	UTTARAKHAND	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHD & DELHI	FWS	SCT	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	FWS	SCT	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	WS	WS	SCT	ISOL	ISOL	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	FWS	ISOL	SCT	ISOL	ISOL
17	WEST RAJASTHAN	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
21	GUJRAT REGION	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
27	CHATTISGARH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
29	TELANGANA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	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	SCT	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 2026-04-06

Fig. 2: Departure of Maximum Temp. Dated 2026-04-06

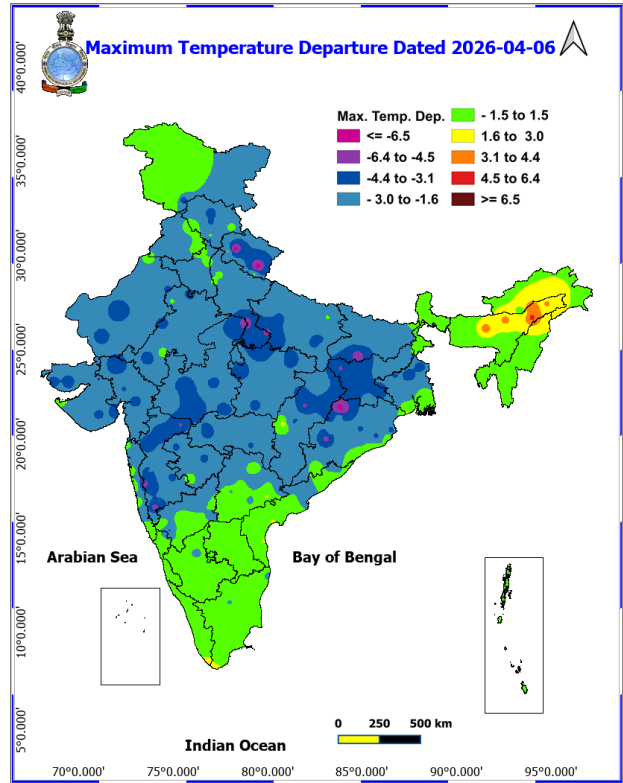
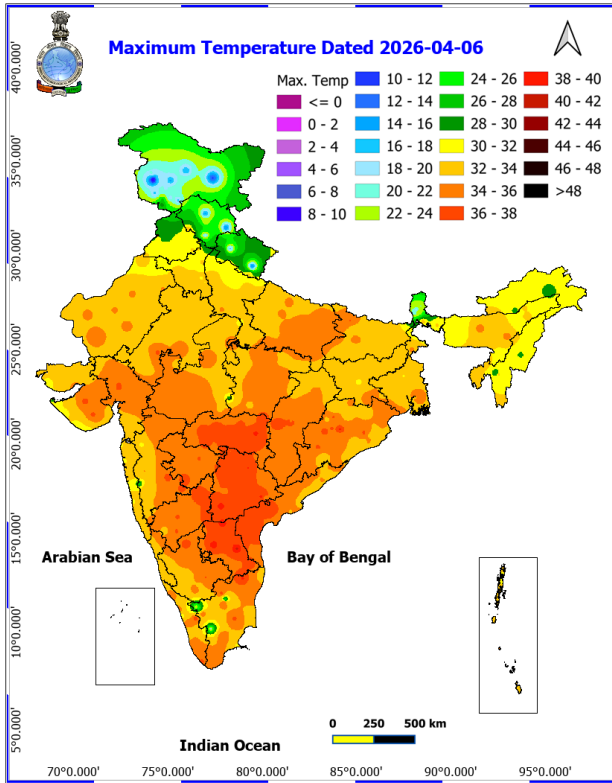
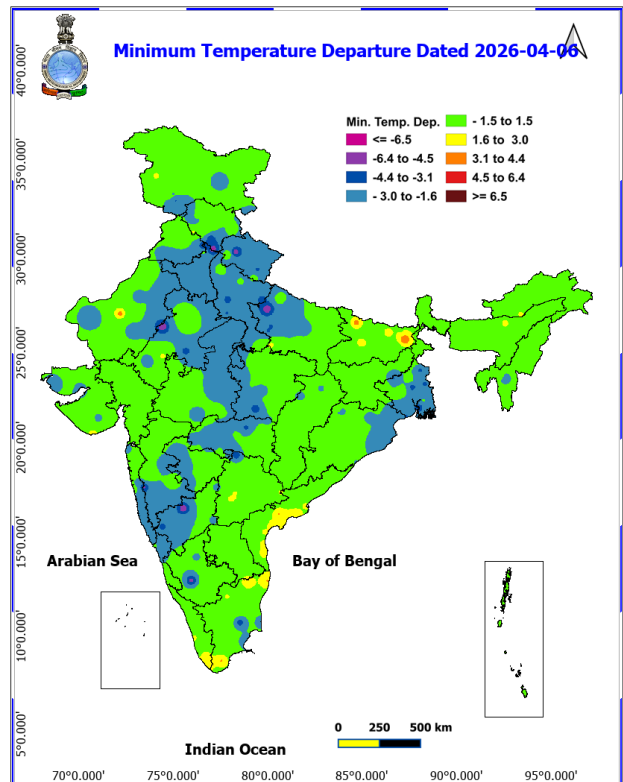
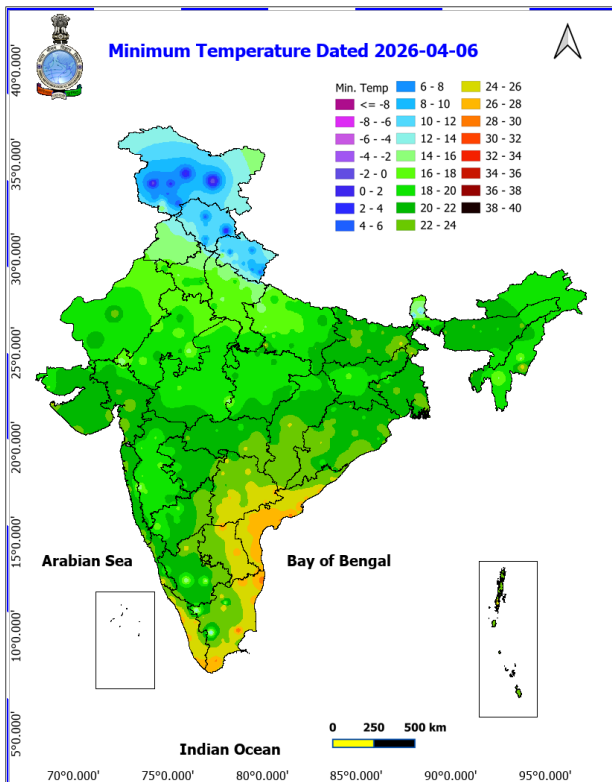


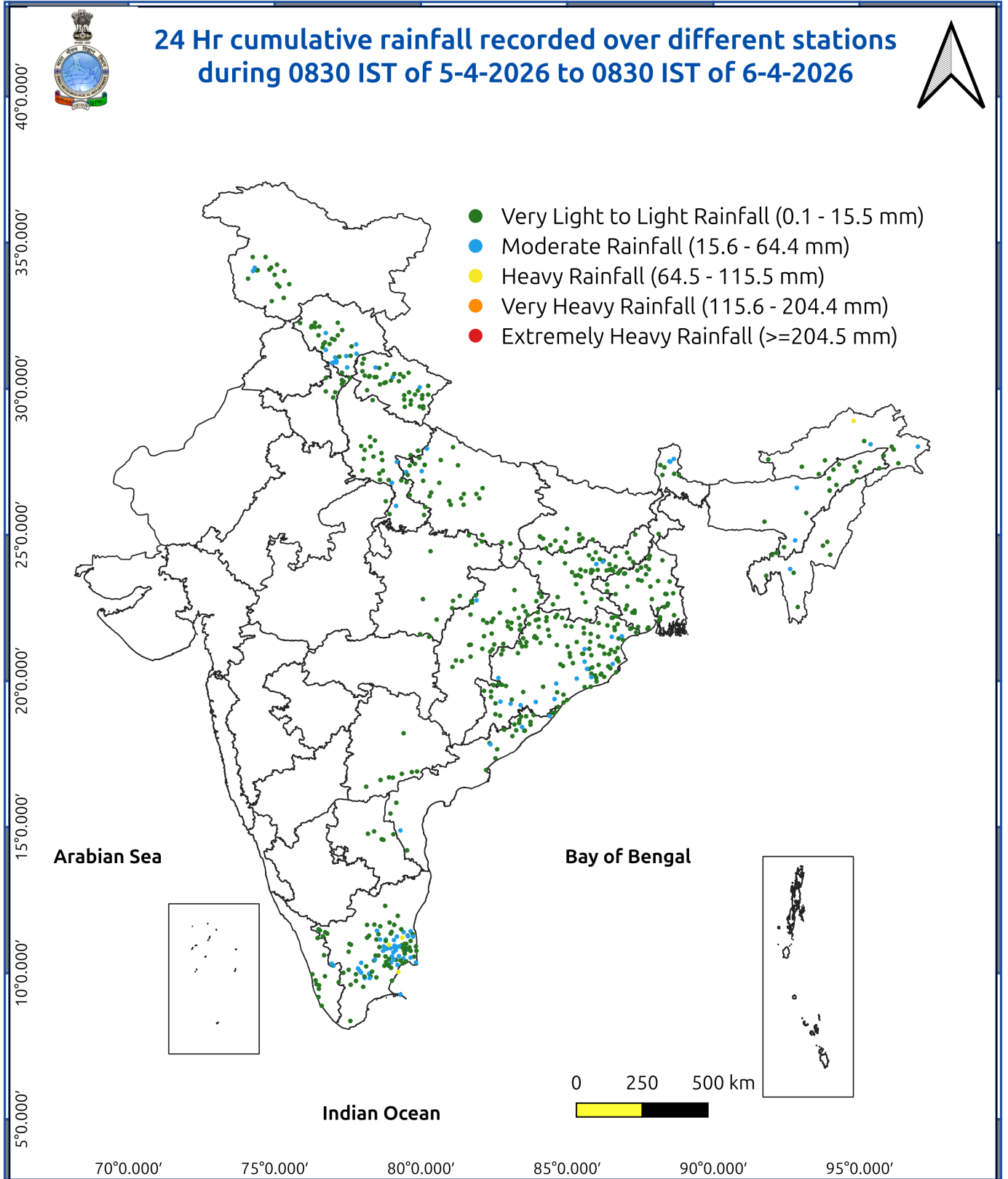
Fig. 3: Minimum Temperatures Dated 2026-04-06

Fig. 4: Departure of Minimum Temp. Dated 2026-04-06



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## Impact and Actions

### Impact & Action Suggested due to heavy/very heavy rainfall:

- **Isolated heavy rainfall** likely over Kashmir Valley on 07<sup>th</sup>, Himachal Pradesh on 08<sup>th</sup>; Arunachal Pradesh on 07<sup>th</sup> & 09<sup>th</sup> & 12<sup>th</sup>; Assam & Meghalaya on 08<sup>th</sup>, 12<sup>th</sup> & Nagaland, Manipur, Mizoram & Tripura on 09<sup>th</sup> April.

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- 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 kutchha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides.
- 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 Rajasthan on 07<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim, Bihar on 08<sup>th</sup>; Jharkhand, Odisha on 07<sup>th</sup> & 08<sup>th</sup> April.
- **Isolated hailstorm activity** also likely over Jammu-Kashmir, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh, Himachal Pradesh, Uttarakhand on 07<sup>th</sup> & 08<sup>th</sup>, Rajasthan on 07<sup>th</sup>; East Uttar Pradesh, Bihar & Jharkhand on 08<sup>th</sup> April.

### 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 kutchha 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.

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- 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

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Gangetic West Bengal, Odisha, Jharkhand, Bihar, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, East Madhya Pradesh and Chhattisgarh.**
- Undertake harvesting of matured crops, fruits and vegetables immediately and shift them to safer places.

#### Agromet advisories for likely impact of Heavy Rainfall

- In **Jammu & Kashmir**, keep the harvested mustard, lentil and gram in safe places. Drain out excess rainwater from the standing crops. Provide staking to the pea vines for better crop stand against strong winds.
- In **Himachal Pradesh**, make necessary arrangements to drain excess rainwater from the fields of wheat, mustard, garlic, fruit orchards and vegetables. Keep the harvested produce to safe places and provide staking/support to plants.
- In **Arunachal Pradesh**, postpone fresh sowing of summer Jhum rice, maize and vegetables. Harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places. Maintain proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.
- In **Assam**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Meghalaya**, ensure proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and cover the young vegetable seedlings.
- In **Tamil Nadu**, provide mechanical support for banana crops to prevent lodging. Undertake basin preparation for pepper, clove, nutmeg and cinnamon for better rain water harvest. Avoid pesticide and insecticide application during the period of moderate / heavy rainfall.
- In **Kerala**, provide mechanical support to banana plants and staking to vegetables. Drain out excess rainwater from the standing crops.
- In Coastal **Andhra Pradesh**, ensure proper drainage to drain out excess rain water from rice, maize, groundnut, other standing crops, vegetables and orchards. Shift the already harvested produce in safer places or cover the produce with tarpaulin sheets in the fields.

#### 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 properly and cover them to minimise the risk of displacement due to 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 / hailstorm 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 out excess water, thereby preventing fish from escaping in case 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .  
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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