

Friday, April 25, 2025
Time of Issue: 2030 hours IST
(NIGHT)

All India Impact Based Weather Warning Bulletin

Weather Warnings for next 7 days is given below:

(Graphics for warnings & rainfall distribution (Table 1) are given below the text:

25th April (Day 1)

- ❖ **Heavy to very Heavy Rainfall** at isolated places likely over Arunachal Pradesh and Assam & Meghalaya.
 - ❖ **Heavy Rainfall** at isolated places likely over Kerala.
 - ❖ **Thunderstorms accompanied with gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Arunachal Pradesh, Assam and Nagaland, Manipur, Meghalaya & Tripura; **with gusty winds (speed reaching 40-50 kmph)** at isolated places over Madhya Maharashtra, North Interior Karnataka and Kerala; **with gusty winds (speed reaching 30-40kmph)** at isolated places over Himachal Pradesh and Coastal Andhra Pradesh and very likely at isolated places over Jammu and Kashmir and Ladakh, Marathwada, Chhattisgarh, Telangana and South Interior Karnataka; light to moderate thunderstorm with lightning over south Vidarbha and Odisha; **with lightning** at isolated places over South Himalayan West Bengal & Sikkim, Tamilnadu & Puducherry, Konkan & Goa, Coastal Karnataka and Lakshadweep.
 - ❖ **Hailstorm** very likely at isolated places over North Interior Karnataka and Telangana.
 - ❖ **Hot and Humid conditions** very likely at isolated places over Jharkhand, Bihar, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu & Puducherry, Coastal Karnataka and Kerala.
 - ❖ **Warm Night conditions** very likely at isolated places over Odisha.
 - ❖ **Heat Wave conditions** very likely at isolated places over Southern Sub-Himalayan West Bengal, Gangetic West Bengal, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Madhya Maharashtra and Vidarbha and very likely at isolated places over Odisha, Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab and West Rajasthan.
- Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over Lakshadweep area, adjoining Maldives area, off south Kerala coast. Fishermen are advised not to venture into these areas.

26th April (Day 2)

- ❖ **Heavy to very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh and very likely at isolated places over South Himalayan West Bengal & Sikkim.
- ❖ **Hailstorm** very likely at isolated places over Bihar, Chhattisgarh and North Interior Karnataka
- ❖ **Thunderstorms accompanied with gusty winds(50-60kmph)** very likely at isolated places over Arunachal Pradesh, Assam, Bihar and Chhattisgarh; **with gusty winds(40-50kmph)** at isolated places over Nagaland, Manipur, Meghalaya & Tripura, Gangetic West Bengal, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha and North Interior Karnataka and very likely at isolated places over South Interior Karnataka; **with gusty winds(30-40kmph)** at isolated places over Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, Coastal Andhra Pradesh and Rayalaseema and very likely at isolated places over Jammu and Kashmir and Ladakh, Telangana and Kerala; **with lightning** at isolated places over South Himalayan West Bengal & Sikkim, Jharkhand, Uttarakhand, Konkan & Goa, Coastal Karnataka, Lakshadweep, Odisha and Tamilnadu & Puducherry
- ❖ **Hot and Humid conditions** very likely at isolated places over Jharkhand, Bihar, Coastal Andhra Pradesh, Rayalaseema, Tamilnadu & Puducherry, Coastal Karnataka and Kerala.
- ❖ **Warm Night conditions** very likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** very likely at isolated places over South Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Haryana, Chandigarh & Delhi, Punjab, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh and Vidarbha and very likely at isolated places over East Uttar Pradesh, West Uttar Pradesh and West Rajasthan.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over Lakshadweep area, adjoining Maldives area, off south Kerala coast. Fishermen are advised not to venture into these areas.

27th April (Day 3)

- ❖ **Heavy to very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya; **Heavy Rainfall** at isolated places over Arunachal Pradesh and South Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorms accompanied with gusty winds(50-60kmph)** very likely at isolated places over Gangetic West Bengal, Bihar, Vidarbha and Chhattisgarh and very likely at isolated places over Odisha, North Interior Karnataka and South Interior Karnataka; **with gusty winds(40-50kmph)** at isolated places over Arunachal Pradesh, Assam, Nagaland, Manipur, Meghalaya & Tripura, Jharkhand, West Madhya Pradesh and East Madhya Pradesh; **with gusty winds(30-40kmph)** at isolated places over East Uttar Pradesh, Coastal Andhra Pradesh and Rayalaseema and very likely at isolated places over Telangana; **with lightning** at isolated places over South Himalayan West Bengal & Sikkim, Uttarakhand, Madhya Maharashtra, Marathwada, Coastal Karnataka and Kerala.
- ❖ **Hailstorm** very likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Bihar, Vidarbha and Chhattisgarh.
- ❖ **Warm Night conditions** very likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi and very likely at isolated places over Punjab, West Rajasthan, East Rajasthan and West Madhya Pradesh.
- ❖ **Hot and Humid conditions** very likely at isolated places over Gujarat Region, Saurashtra & Kutch, Coastal Andhra Pradesh and Rayalaseema.

28th April (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura and likely at isolated places over Kerala.
- ❖ **Thunderstorms accompanied with gusty winds(50-60kmph)** likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Madhya Pradesh, Vidarbha and Chhattisgarh; **with gusty winds(40-50kmph)** at isolated places over Arunachal Pradesh, Assam and Nagaland, Manipur, Meghalaya & Tripura and likely at isolated places over North Interior Karnataka and South Interior Karnataka; **with gusty winds(30-40kmph)** at isolated places over East Uttar Pradesh, Coastal Andhra Pradesh and Rayalaseema and likely at isolated places over Telangana; **with lightning** at isolated places over South Himalayan West Bengal & Sikkim, Coastal Karnataka and Kerala.
- ❖ **Hailstorm** likely at isolated places over Gangetic West Bengal, Odisha and Chhattisgarh
- ❖ **Hot and Humid conditions** likely at isolated places over Gujarat Region and Saurashtra & Kutch.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi and likely at isolated places over Punjab, West Rajasthan, East Rajasthan and West Madhya Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over Gangetic West Bengal.

29th April (Day 5)

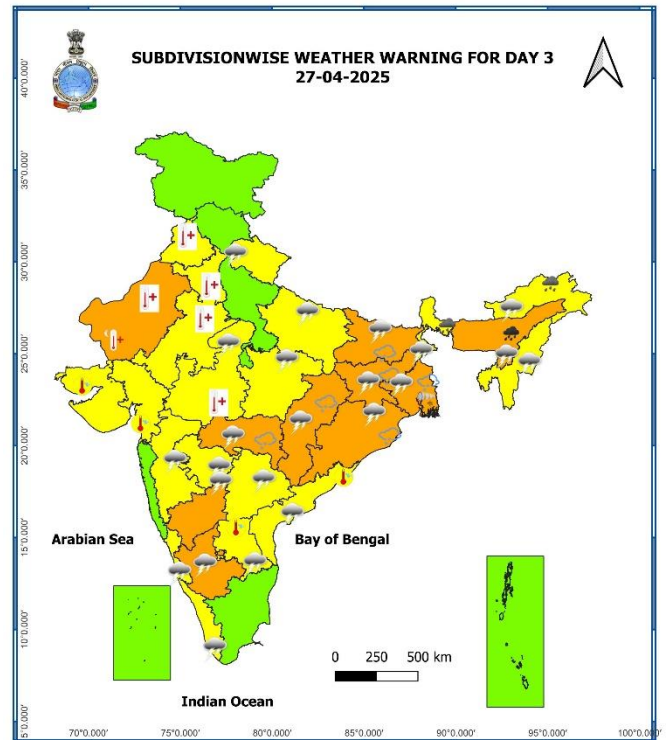
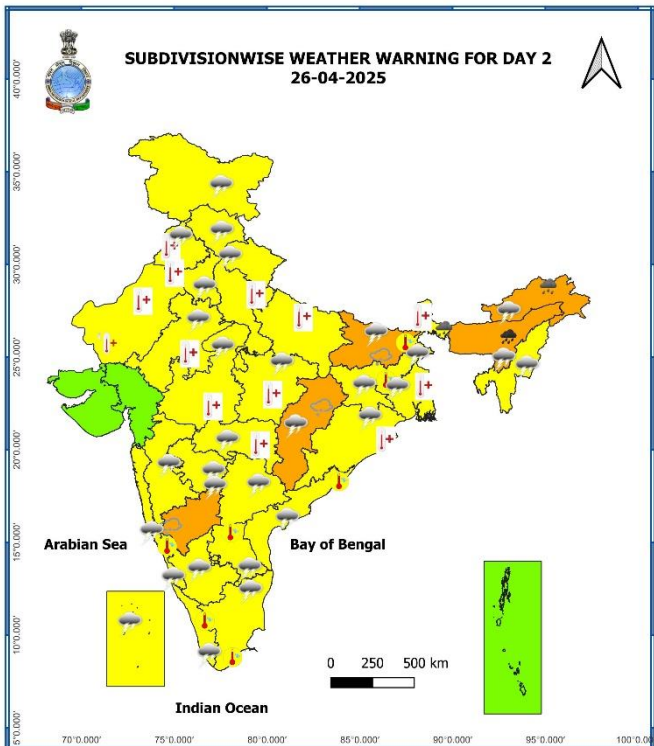
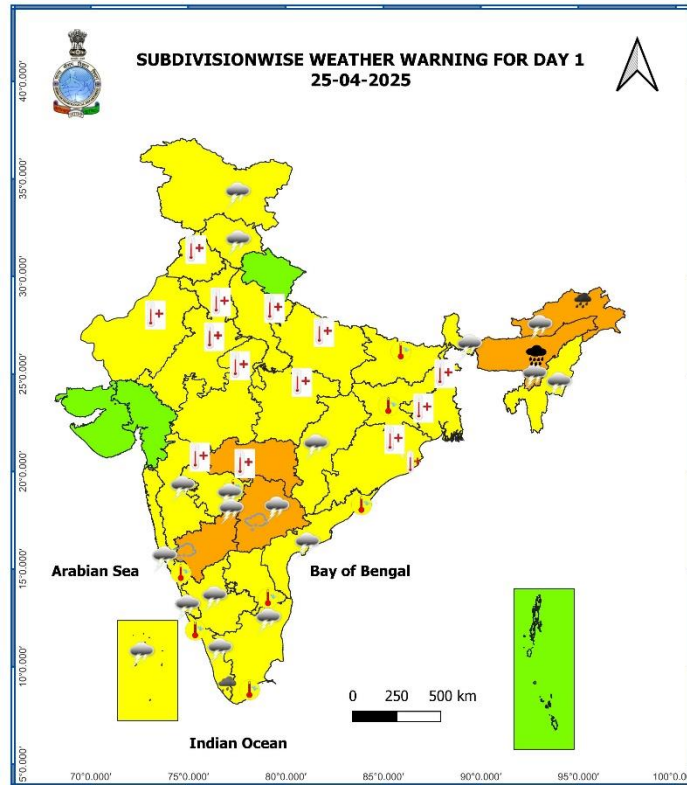
- ❖ **Heavy Rainfall** likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura and Odisha and likely at isolated places over Kerala.
- ❖ **Thunderstorms accompanied with gusty winds(50-60kmph)** likely at isolated places over Odisha and East Madhya Pradesh; **with gusty winds(40-50kmph)** at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Bihar, West Uttar Pradesh, Vidarbha and Chhattisgarh and likely at isolated places over South Interior Karnataka; **with gusty winds(30-40kmph)** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Meghalaya & Tripura, East Uttar Pradesh, Coastal Andhra Pradesh, Telangana, North Interior Karnataka and Rayalaseema; **with lightning** at isolated places over Coastal Karnataka and Kerala.
- ❖ **Hot and Humid conditions** likely at isolated places over Gujarat Region and Saurashtra & Kutch.
- ❖ **Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi and likely at isolated places over Punjab, West Rajasthan and East Rajasthan.

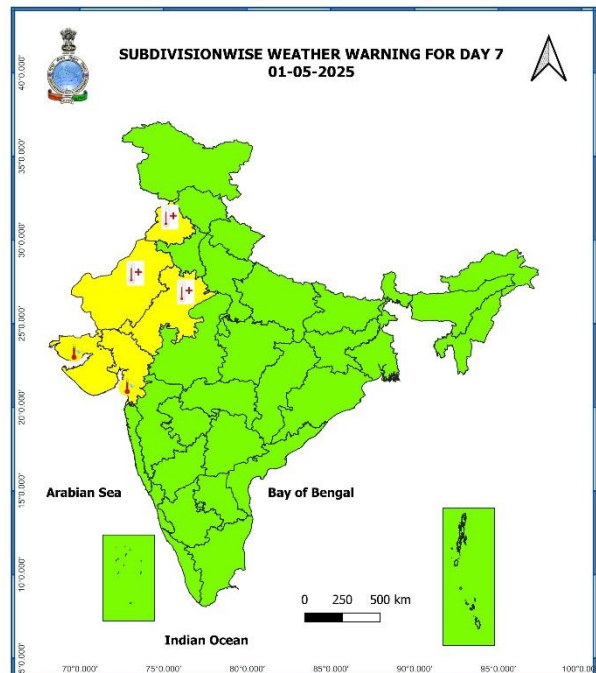
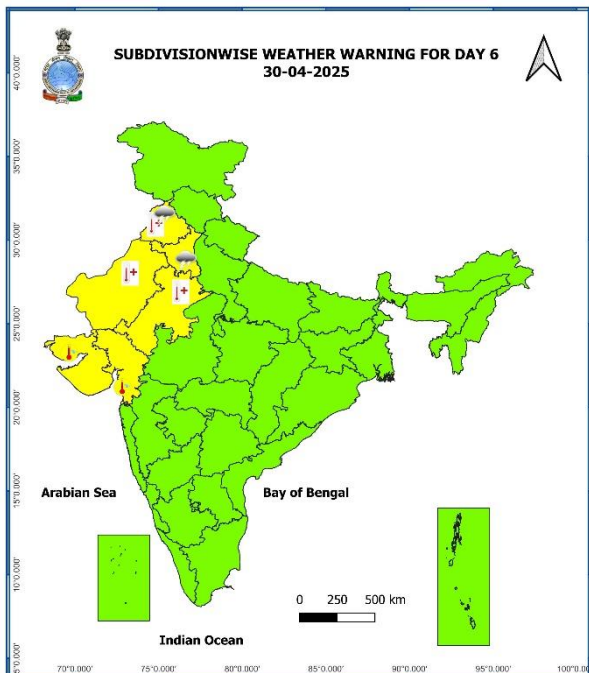
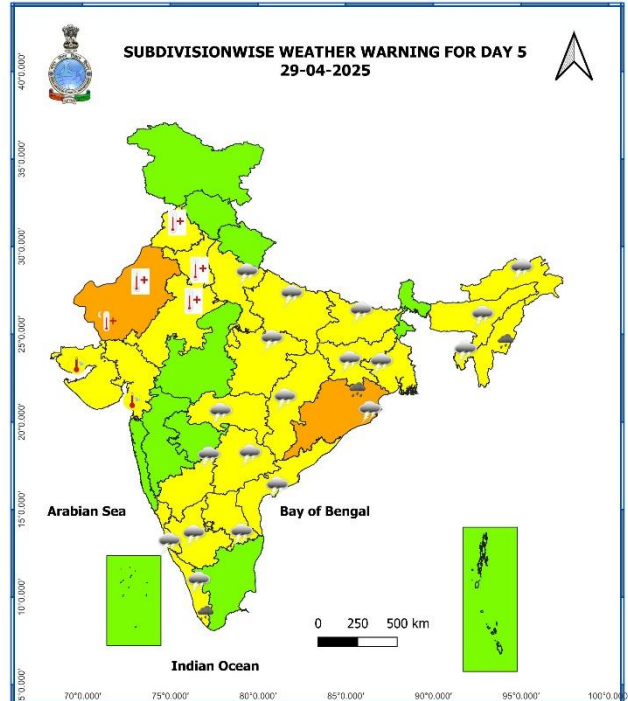
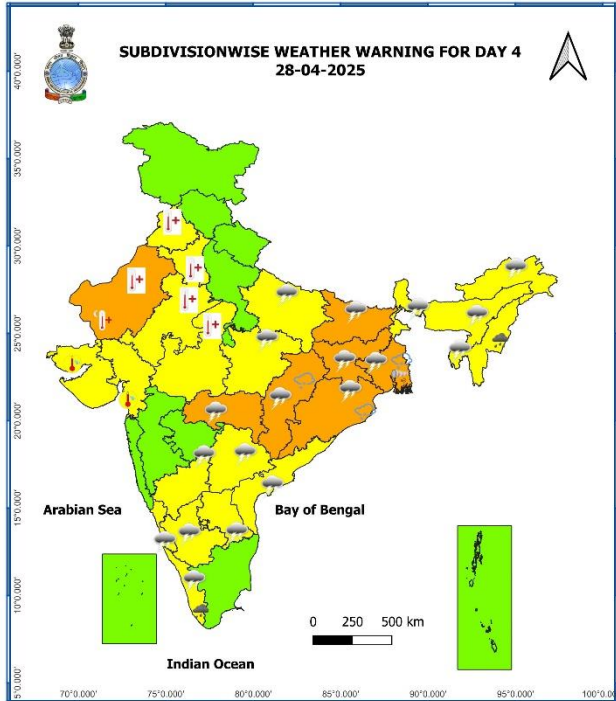
30th April (Day 6)

- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Haryana, Chandigarh & Delhi and likely at isolated places over Punjab.
- ❖ **Hot and Humid conditions** likely at isolated places over Gujarat Region and Saurashtra & Kutch.
- ❖ **Heat Wave conditions** likely at isolated places over Punjab, West Rajasthan and East Rajasthan.

01st May (Day 7)

- ❖ **Hot and Humid conditions** likely at isolated places over Gujarat Region and Saurashtra & Kutch.
- ❖ **Heat Wave conditions** likely at isolated places over Punjab, West Rajasthan and East Rajasthan.





- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Table-1

7 Days Rainfall Forecast								
S. No.	Subdivision	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	01-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	ISOL
2	ARUNACHAL PRADESH	WS	WS	WS	FWS	SCT	SCT	SCT
3	ASSAM & MEGHALAYA	FWS	FWS	WS	SCT	SCT	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	SCT	FWS	WS	WS	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	DRY	ISOL	SCT	WS	FWS	FWS	SCT
7	ODISHA	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
8	JHARKHAND	DRY	ISOL	SCT	FWS	FWS	FWS	SCT
9	BIHAR	DRY	ISOL	FWS	SCT	ISOL	ISOL	SCT
10	EAST UTTAR PRADESH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
12	UTTARAKHAND	ISOL	ISOL	ISOL	DRY	ISOL	SCT	SCT
13	HARYANA CHANDIGARH & DELHI	DRY	ISOL	DRY	DRY	ISOL	ISOL	ISOL
14	PUNJAB	DRY	ISOL	DRY	DRY	DRY	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
16	JAMMU & KASHMIR AND LADAKH	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
18	EAST RAJASTHAN	DRY	ISOL	DRY	DRY	DRY	DRY	ISOL
19	WEST MADHYA PRADESH	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH & YANAM	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	SCT	SCT	SCT	SCT	ISOL
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
35	KERALA & MAHE	FWS	SCT	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	FWS	FWS	SCT	SCT	SCT	SCT	SCT

• As the lead period increases forecast accuracy decreases.

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over

- ✓ **Isolated hailstorm** activity likely over Telangana on 25th; North Interior Karnataka on 25th & 26th; Chhattisgarh during 26th-28th; Vidarbha on 27th; Sub-Himalayan West Bengal & Sikkim on 26th; Bihar, Jharkhand on 27th; Odisha on 27th & 28th April.
- ✓ **Thundersquall (wind speed reaching 50-60 kmph)** likely over Arunachal Pradesh, Assam & Meghalaya on 25th & 26th; Nagaland, Manipur, Mizoram & Tripura on 25th; Interior Karnataka, Sub-Himalayan West Bengal & Sikkim, Jharkhand on 27th; Gangetic West Bengal, Odisha, Vidarbha on 27th & 28th; Bihar, Chhattisgarh during 26th-28th 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 kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Impact expected and action suggested due to Heat wave conditions over plains of Northwest India till 29th and East & Central India till 26th April.

Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

Impact & Action Suggested due to heavy to very heavy rainfall over Arunachal Pradesh on 25th; Assam & Meghalaya during 25th-27th 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 kutcha 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.

Agromet advisories for likely impact of Hailstorm / Heavy Rainfall / Gusty Winds / Heat wave

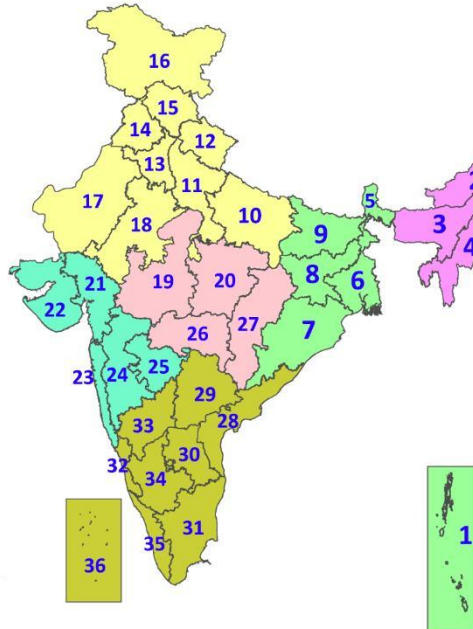
- Postpone sowing of *Jhum* paddy and transplanting of banana in **Arunachal Pradesh**; planting of ginger, turmeric and transplanting of papaya and banana in **Assam**; planting of ginger and transplanting of chilli and brinjal in **Meghalaya**.
- In **Arunachal Pradesh, Assam, Meghalaya, Sub Himalayan West Bengal and Kerala**, drain out excess water from standing crop and vegetable fields.
- In **Sub Himalayan West Bengal, Odisha, Bihar, Jharkhand, Vidarbha, Chhattisgarh, Marathwada and North Interior Karnataka**, use hail net and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms. Drain out excess water from standing crops and vegetable fields.
- To protect standing crops, vegetables and orchards from adverse effects of heat waves and high temperatures, apply light and frequent irrigation in the evening.
- 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 to vegetables to avoid lodging.

Livestock / Poultry / Fishery

- 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.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.
- 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 द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और 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. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & 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. Marathwada
26. Vidarbha
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)



Fog



Heavy Rain



Very Heavy Rain



Extremely Heavy Rain



Thunder & Lightning



Hailstorm



Dust Raising Winds



Heavy Snow



Dust Storm



Heat Wave



Warm Night



Hot Day



Hot & Humid



Strong Surface Winds



Cold Wave



Cold Day



Ground Frost

COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

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

DEFINITION/CRITERIA

Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm *

Very Heavy: 115.6 to 204.4 mm/cm *

Extremely Heavy: > 204.4 mm/cm *

Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions

(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$

Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.

Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$

Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres

Thunderstorm

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

Dust/Sand Storm

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

Frost

Ice deposits on ground

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

Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed > 87 kmph

Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre

Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599
(Service to the Nation since 1875)

Hot and Humid: When maximum temperatures remains 3°C above normal along with the above normal relative humidity.