



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Monday, April 28, 2025 Time of Issue: 0830 hours IST (MORNING)

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:

28th April (Day 1)

- ❖ Heavy Rainfall very likely at isolated places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Meghalaya & Tripura, Gangetic West Bengal and Kerala.
- ❖ Thundersquall with wind speed reaching 50-60kmph very likely at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Bihar, East Madhya Pradesh, Chhattisgarh and Odisha.
- ❖ Thunderstorms with gusty winds(40-50kmph) very likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura, Vidarbha, North Interior Karnataka, East Uttar Pradesh, Coastal Andhra Pradesh and South Interior Karnataka.
- ❖ Thunderstorms with gusty winds(30-40kmph) very likely at isolated places over South Himalayan West Bengal & Sikkim, Kerala, Rayalaseema.
- ❖ Thunderstorm & Lightning very likely at isolated places over Arunachal Pradesh, Costal Karnataka, Lakshadweep, Tamilnadu & Puducherry.
- ❖ Hailstorm very likely at isolated places over Odisha and Chhattisgarh.
- ❖ Hot and Humid conditions very likely at isolated places over Gujarat Region, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Tamilnadu & Puducherry, Costal Karnataka and Kerala.
- ❖ **Heat Wave conditions** very likely at isolated places over Himachal Pradesh, West Rajasthan, Jammu division and West Madhya Pradesh.
- ❖ Squally wind with speed reaching 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off north Odisha and West Bengal coasts.

29th April (Day 2)

- **❖ Thundersquall with wind speed reaching 50-60kmph** very likely at isolated places over Assam & Meghalaya, Odisha and North Interior Karnataka.
- ❖ Thunderstorms with gusty winds(40-50kmph) very likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura, Gangetic West Bengal, Jharkhand, East Madhya Pradesh, East Uttar Pradesh, Coastal Andhra Pradesh and South Interior Karnataka.
- **❖ Thunderstorms with gusty winds(30-40kmph)** very likely at isolated places over South Himalayan West Bengal & Sikkim, Bihar, Chhattisgarh, Kerala and Rayalaseema.
- **Thunderstorm & Lightning** very likely at isolated places over Arunachal Pradesh and Costal Karnataka and very likely at isolated places over West Uttar Pradesh.
- ❖ Hot and Humid conditions very likely at isolated places over Gujarat Region, Saurashtra & Kutch, Marathwada and Tamilnadu & Puducherry.
- ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and West Madhya Pradesh.
- **Hailstorm** very likely at isolated places over Odisha.
- **\Delta Heavy Rain** very likely at isolated places over Odisha and very likely at isolated places over Kerala.
- ❖ Squally wind with speed reaching 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off north Odisha and West Bengal coasts.





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30th April (Day 3)

- **Heavy Rain** likely at isolated places over Odisha, Jharkhand and Kerala.
- **Thundersquall with wind speed reaching 50-60kmph** likely at isolated places over Vidarbha, Chhattisgarh and North Interior Karnataka.
- ❖ Thunderstorms with gusty winds(40-50kmph) likely at isolated places over Assam & Meghalaya, Odisha, Jharkhand, Uttarakhand, East Madhya Pradesh, East Uttar Pradesh, Coastal Andhra Pradesh and South Interior Karnataka.
- ❖ Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura, Gangetic West Bengal, Bihar, Haryana, Chandigarh & Delhi and Rayalaseema.
- **❖ Thunderstorm & Lightning** likely at isolated places over Arunachal Pradesh, Costal Karnataka, West Uttar Pradesh.
- ❖ **Hot and Humid** likely at isolated places over Gujarat Region, Saurashtra & Kutch, Marathwada and Tamilnadu & Puducherry.
- ❖ **Heat Wave** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, West Rajasthan and East Rajasthan.
- **❖ Hailstorm** likely at isolated places over North Interior Karnataka.

01st May (Day 4)

- **Thundersquall with wind speed reaching 50-60kmph** likely at isolated places over Jharkhand and North Interior Karnataka.
- ❖ Thunderstorms with gusty winds(40-50kmph) likely at isolated places over Odisha, East Uttar Pradesh, Uttarakhand, Himachal Pradesh, East Madhya Pradesh and South Interior Karnataka.
- **♦ Thunderstorms with gusty winds(30-40kmph)** likely at isolated places over Gangetic West Bengal, Bihar, Punjab, Rayalaseema and Haryana, Chandigarh & Delhi.
- ❖ Thunderstorm & Lightning likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, West Uttar Pradesh, West Rajasthan, East Rajasthan, Costal Karnataka and Kerala.
- Hot and Humid conditions likely at isolated places over Gujarat Region, Saurashtra & Kutch, Marathwada and Tamilnadu & Puducherry.
- **\Delta Heat Wave conditions** likely at isolated places over Punjab and West Rajasthan.
- **\Delta Hailstorm** likely at isolated places over North Interior Karnataka.
- **\(\rightarrow\) Heavy Rain** likely at isolated places over Odisha and Jharkhand.

02nd May (Day 5)

- **Thunderstorms with gusty winds(40-50kmph)** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- **Thunderstorms with gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- **❖ Thunderstorm & Lightning** likely at isolated places over Jharkhand.





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03rd May (Day 6)

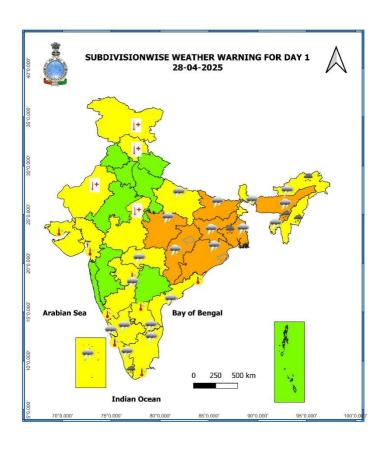
- **Thunderstorms with gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- Thunderstorm & Lightning likely at isolated places over Jharkhand.

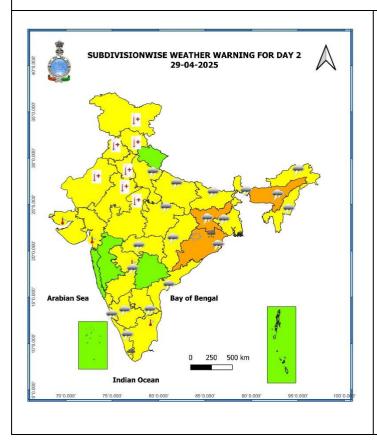
04th May (Day 7)

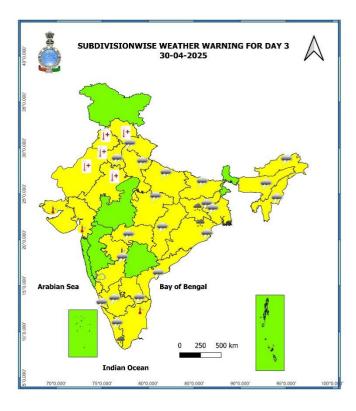
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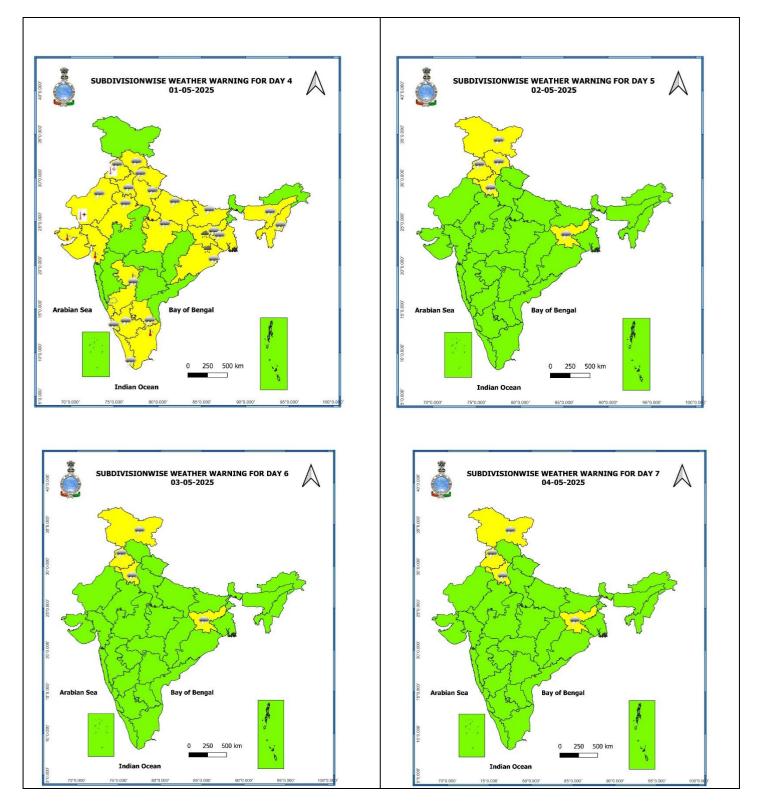








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- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.



Table-1

	7 Days Rainfall Forecast								
S.		28-	29- Apr	30-	01- May	02- May	03- May	04- May	
No.	Subdivision	Apr Day	Day	Apr Day	May	May	May	May	
NO.		1	2	3	Day 4	Day 5	Day 6	Day 7	
1	ANDAMAN & NICOBAR ISLANDS	FWS	WS	FWS	SCT	ISOL	ISOL	ISOL	
2	ARUNACHAL PRADESH	WS	FWS	SCT	SCT	SCT	SCT	FWS	
3	ASSAM & MEGHALAYA	WS	FWS	SCT	SCT	FWS	SCT	FWS	
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	FWS	SCT	SCT	SCT	SCT	FWS	
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	FWS	SCT	SCT	SCT	SCT	FWS	
6	GANGETIC WEST BENGAL	WS	FWS	FWS	FWS	SCT	SCT	FWS	
7	ODISHA	FWS							
8	JHARKHAND	FWS	FWS	FWS	SCT	SCT	SCT	SCT	
9	BIHAR	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL	
10	EAST UTTAR PRADESH	ISOL	ISOL	SCT	SCT	SCT	ISOL	ISOL	
11	WEST UTTAR PRADESH	DRY	ISOL	ISOL	SCT	SCT	ISOL	ISOL	
12	UTTARAKHAND	ISOL	DRY	ISOL	SCT	SCT	FWS	FWS	
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	
14	PUNJAB	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL	
15	HIMACHAL PRADESH	DRY	DRY	DRY	SCT	SCT	SCT	FWS	
16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	DRY	ISOL	SCT	SCT	SCT	
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL	
18	EAST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL	
19	WEST MADHYA PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	
20	EAST MADHYA PRADESH	ISOL							
21	GUJARAT REGION	DRY							
22	SAURASHTRA & KUTCH	DRY							
23	KONKAN & GOA	DRY							
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL	
25	MARATHAWADA	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL	
26	VIDARBHA	ISOL							
27	CHHATTISGARH	ISOL	ISOL	ISOL	SCT	SCT	SCT	FWS	
28	COASTAL ANDHRA PRADESH & YANAM	ISOL							
29	TELANGANA	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	
30	RAYALASEEMA	ISOL							
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT	
32	COASTAL KARNATAKA	SCT	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	
33	NORTH INTERIOR KARNATAKA	ISOL							
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS	
35	KERALA & MAHE	SCT	SCT	SCT	SCT	SCT	SCT	FWS	
36	LAKSHADWEEP	SCT	SCT	DRY	DRY	DRY	DRY	DRY	





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

- ✓ **Isolated hailstorm** activity likely over North Interior Karnataka on 30th April & 01st May; Chhattisgarh on 28th April; Odisha on 28th-29th April.
- ✓ **Thundersquall (wind speed reaching 50-60 kmph)** likely over North Interior Karnataka during 28th April-01st May; East Madhya Pradesh, Gangetic West Bengal, Bihar on 28th April; Vidarbha, Chhattisgarh on 28th & 30th April; Jharkhand on 28th April & 01st May; Odisha on 28th-29th 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 some parts of Northwest India during 28th April to 01st May and over West Madhya Pradesh during 29th April to 1st May

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 rainfall Nagaland, Manipur, Mizoram & Tripura on 28th April; Arunachal Pradesh, Gangetic West Bengal on 28th April. Kerala & Mahe during 28th-30th April; Jharkhand on 29th April & 01st may; Odisha during 29th April-01st may.

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.





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- 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.

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

- ➤ In North Eastern States, West Bengal & Sikkim, Odisha and Bihar, make provision to drain out excess water from standing crop and vegetable fields.
- ➤ In Assam, Meghalaya, West Bengal, Odisha, Bihar, Jharkhand, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and Interior Karnataka, use hail net and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- > 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.



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Years of Service to the Nati राष्ट्र सेवा से 150 वर्ष

36. लक्षद्वीप

LEGENDS



SPATIAL DISTRIBUTION (% of Stations reporting)

36. Lakshadweep

% 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)		





	DEFINITION/CRITERIA
	Heavy: 64.5 to 115.5 mm/cm *
Rain/ Snow *	Very Heavy: 115.6 to 204.4 mm/cm* Extremely Heavy: > 204.4 mm/cm *
	When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C
Heat Wave	(b). Based on Actual maximum temperature
	Heat Wave: When actual maximum temperature ≥45°C.
	Severe Heat Wave: When actual maximum temperature ≥47°C
	(c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C
	When maximum temperature remains 40°C
Varm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C.
	Severe Warm Night: When minimum temperature departure >6.4 °C.
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions.
	(a). Based on departure
	Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C.
Cold Wave	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
Cold Wave	(b) Based on actual Minimum Temperature (for Plains only)
	Cold Wave : When Minimum Temperature is ≤ 4.0 °C Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C
	(c) For Coastal Stations
	When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions
0-1-1-0	Based on departure
Cold Day	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.
	Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C
	Phenomenon of small droplets suspended in air and the horizontal visibility < 1km
Fog	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 alcetrical disaborace manifested by a flesh of light /lightning) and a shorp numbling
nunderstorm	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.
	Ice deposits on ground
Frost	Air temperature ≤4°C (over Plains)
	A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph
Squall	Severe: Wind speed 62-87 kmph
	Very Severe: Wind speed >87 kmph
	Effect of various waves in the sea over specific area
Son State	Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
Sea State	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
	Thenomena. Third speed > 117 kinph (>00 kilots) a wave neight > 14 mette
	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
0	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Cyclone	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 Strom: 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.