



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

## Wednesday, April 10, 2024 Time of Issue: 0800 hours IST (MORNING)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

### Weather Systems and Forecast & Warnings:

- A cyclonic circulation lies over central parts of Madhya Maharashtra and a trough/wind discontinuity runs from southeast Rajasthan to north parts of Coastal Karnataka in lower tropospheric levels. Under their influence:
  - Scattered light/moderate rainfall accompanied with thunderstorm, lightning & gusty winds (30-50 kmph) very likely over Madhya Pradesh, Chhattisgarh, Vidarbha and isolated to scattered over West Madhya Pradesh, Marathwada, Madhya Maharashtra during 10<sup>th</sup>-14<sup>th</sup> April, 2024.
  - Isolated light/moderate rainfall accompanied with thunderstorm, lightning very likely over Gangetic West Bengal, Jharkhand, Odisha, Bihar and Andaman & Nicobar Islands during 10<sup>th</sup>-14<sup>th</sup> April.
  - Isolated light/moderate rainfall accompanied with thunderstorm, lightning & gusty winds (30-50 kmph) very likely over Telangana, Kerala & Mahe during next 7 days and over Coastal Andhra Pradesh-Yanam, Tamil Nadu, Puducherry-Karaikal during 11<sup>th</sup>-14<sup>th</sup> April, 2024.
  - ✓ Hailstorm activity also very likely at isolated places over West Madhya Pradesh, Vidarbha on 10<sup>th</sup>; East Madhya Pradesh on 10<sup>th</sup> & 11<sup>th</sup> April, 2024.
- A Western Disturbance as a trough in middle tropospheric westerlies runs along Long. 66°E to the north of Lat. 30°N. An Active Western Disturbance is likely to affect Northwest India from 12<sup>th</sup> April, 2024. Under the influence of these systems:
  - Isolated light rainfall/snowfall very likely over Jammu-Kashmir, Himachal Pradesh, Uttarakhand during 10<sup>th</sup>-12<sup>th</sup> and fairly widespread to widespread light to moderate rainfall/snowfall with thunderstorm, lightning over the region during 13<sup>th</sup>-16<sup>th</sup> April, 2024.
  - Scattered to fairly widespread rainfall with thunderstorm, lightning very likely over Uttar Pradesh, Punjab and Haryana during 13<sup>th</sup>-15<sup>th</sup> and isolated to scattered light to moderate rainfall with thunderstorm, lightning over Rajasthan during 10<sup>th</sup>-15<sup>th</sup> April, 2024.
  - ✓ Isolated heavy rainfall/snowfall very likely over Jammu & Kashmir on 13<sup>th</sup> & 14<sup>th</sup> and over Himachal Pradesh on 14<sup>th</sup> April, 2024.
  - ✓ Isolated hailstorm very likely over Himachal Pradesh and Uttarakhand on 13<sup>th</sup> & 14<sup>th</sup> April, 2024.
  - ✓ Duststorm/Thundersquall (50-60 kmph gusting to 70kmph) very likely at isolated places over Rajasthan on 13<sup>th</sup> April, 2024.
- A cyclonic circulation lies over northeast Assam in lower tropospheric levels. Under its influence:
  - ✓ Scattered to fairly widespread light/moderate rainfall/snowfall with isolated **thunderstorm & lightning** very likely over Arunachal Pradesh; isolated/scattered light to moderate rainfall with isolated **thunderstorm, lightning & gusty winds** over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during on 10<sup>th</sup> & 11<sup>th</sup> days.

### Maximum temperature observation and forecast for next 5 days:

- Yesterday, maximum temperatures were in the range of 40-42°C over many parts of West Rajasthan & Gujarat Region and in isolated pockets over Uttar Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. These were above normal by 2-4 °C over these areas.
- Yesterday, the maximum temperature exceeded 98th percentile over many parts of Maharashtra, Madhya Pradesh and in isolated pockets over South Interior Karnataka & Kerala. It is likely to exceed 98 percentiles in isolated pockets over Rayalaseema, Keral & South Interior Karnataka during 10<sup>th</sup>-13<sup>th</sup> April,2024.
- Yesterday, Minimum temperatures were above normal by 3-5°C at isolated places over Kerala, north Madhya Maharashtra, Marathwada, West Rajasthan and west Assam.

### Heat wave, Warm Night and Hot & Humid weather warning for next 5 days:

- Heat wave conditions very likely in isolated pockets over Saurashtra & Kutch on 10<sup>th</sup> & 11<sup>th</sup> April, 2024.
- Hot and humid weather very likely to prevail over Kerala & Mahe during 10<sup>th</sup>-14<sup>th</sup> and over Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Rayalaseema during 10<sup>th</sup>-11<sup>th</sup> April, 2024.





Main Weather Observations:

- Rainfall distribution (from 0830 to 1730 hours IST of yesterday): at a few places over Vidarbha and at isolated places over Madhya Pradesh, Marathwada and Sub-Himalayan West Bengal & Sikkim.
- Significant amount of rainfall (from 0830 to 1730 hours IST of yesterday) (in cm): Nil.
- \* Minimum Temperature Departures (as 09-04-2024): Minimum on temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over East Rajasthan and Marathwada; **above normal (1.6°C to 3.0°C)** at isolated places over West Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Assam & Meghalava, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. These were **below normal (-1.6°C to -3.0°C)** at a few places over Chhattisgarh; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh. Harvana-Chandigarh-Delhi, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Gangetic West Bengal, Odisha and **near normal** over rest parts of the country. Yesterday, the lowest minimum temperature of 13.0°C was reported at Karnal (Haryana) over the plains of the country.
- \* Maximum Temperature Departures (as 09-04-2024): Maximum on temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over West Rajasthan, Assam & Meghalaya and Kerala & Mahe; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Harvana-Chandigarh-Delhi and East Rajasthan; above normal (1.6°C to 3.0°C) at many places over Uttar Pradesh and Gujarat State; at a few places over West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; at isolated places over Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra and Karnataka. These were **markedly below normal (-5.1°C or less)** at isolated places over Odisha, Chhattisgarh, East Madhya Pradesh and Vidarbha; below normal (-1.6°C to -3.0°C) at isolated places over Telangana and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 43.0°C was reported at Jeur (Madhya Maharashtra) over the country.





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

- The Western Disturbance as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 66°E to the north of Lat. 30°N.
- The cyclonic circulation over central Rajasthan now lies over southeast Rajasthan and extends upto 1.5 km above mean sea level.
- The cyclonic circulation over Sub-Himalayan West Bengal & neighbourhood at 0.9 km above mean sea level persists.
- The cyclonic circulation over northeast Assam & neighbourhood at 0.9 km above mean sea level persists.
- The cyclonic circulation over central parts of Madhya Maharashtra persists and now seen at 1.5 km above mean sea level.
- The trough/wind discontinuity now runs from cyclonic circulation over southeast Rajasthan to northern parts of Coastal Karnataka across Madhya Maharashtra & south Konkan at 0.9 km above mean sea level.
- An active Western Disturbance is likely to affect Northwest India from 12<sup>th</sup> April, 2024.

# Weather Forecast for next 7 days (Upto 0830 hours IST of 17th April, 2024)

- Meteorological sub-division wise detailed 7 days rainfall forecast is given in Table-1.
- Gradual rise by about 3-5°C in maximum temperatures very likely over many parts of East India during next 5 days.
- No significant change in maximum temperatures very likely over many parts of Maharashtra during next 24 hours and fall by 2-4°C thereafter.
- No significant change in maximum temperatures very likely over many parts of south peninsular India during next 2 days and gradual fall by 2-3°C thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country.

## Weather Outlook for subsequent 3 days (During 17th-19th April, 2024)

- Isolated to scattered light/moderate rainfall/snowfall likely over Northeast India and Western Himalayan Region.
- Solated light rainfall likely over plains of Northwest India, East, Central & south Peninsular India.
- Dry weather likely to prevail over rest parts of the country.





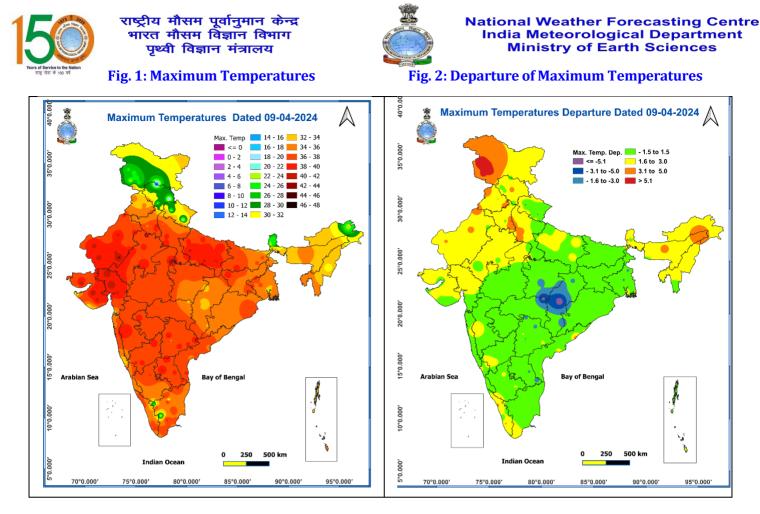
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### Table-1

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

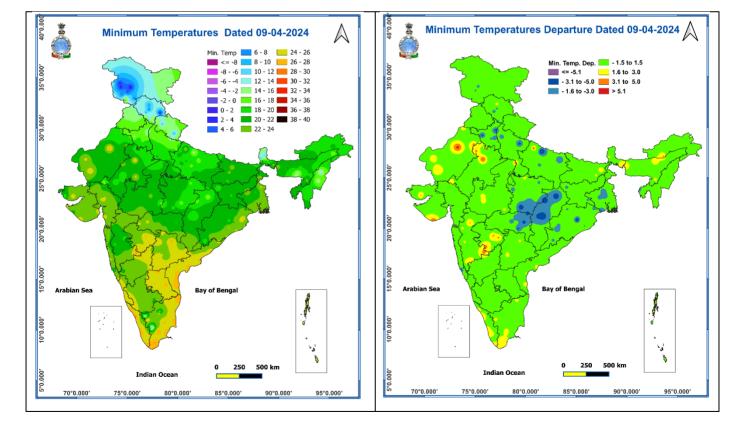
Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

\* 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)



#### **Fig. 3: Minimum Temperatures**





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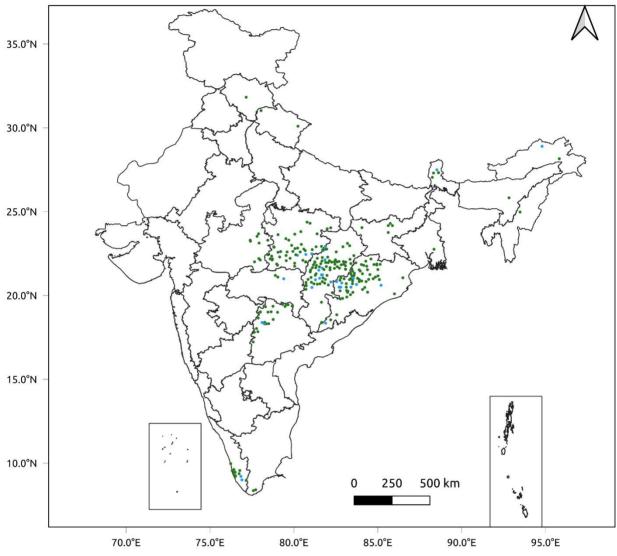




### Fig. 5: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 8-4-2024 to 0830 IST of 9-4-2024



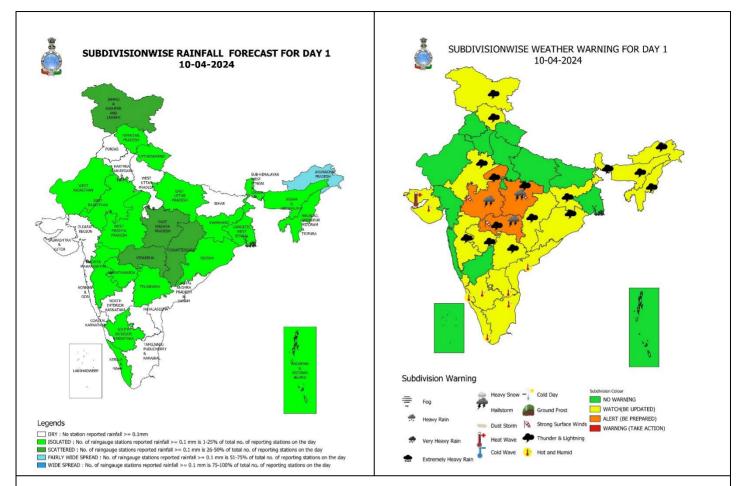
# Legends

- Very Light to Light Rainfall (0.1 15.5 mm)
- Moderate Rainfall (15.6 64.4 mm)
- Heavy Rainfall (64.5 115.5 mm)
- Very Heavy Rainfall (115.6 204.4 mm)
- Extremely Heavy Rainfall (>=204.5 mm)





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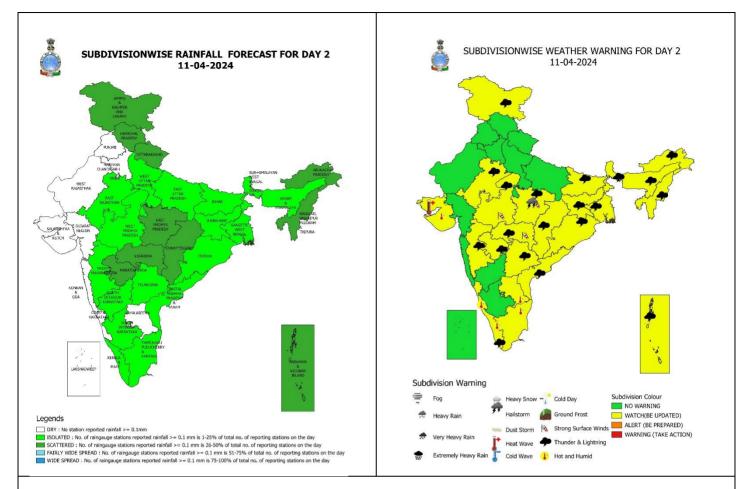
# 10 April (Day 1):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) and Hail very likely at isolated places over Madhya Pradesh and Vidarbha; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over East Rajasthan, Chhattisgarh, Jharkhand, Assam & Meghalaya and Telangana; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada.
- Heat Wave conditions very likely to prevail in isolated pockets over Saurashtra & Kutch.
- Hot and humid weather very likely to prevail over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & south Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.





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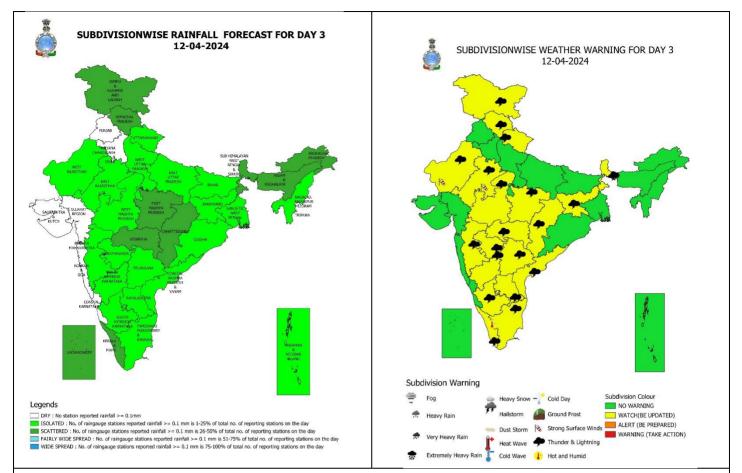
# 11 April (Day 2):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) & hail at isolated places very likely over East Madhya Pradesh; thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places very likely over Madhya Pradesh and Vidarbha; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over East Rajasthan, Chhattisgarh, Andaman & Nicobar Islands, West Bengal & Sikkim, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura and Telangana; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.
- Heat Wave conditions very likely to prevail in isolated pockets over Saurashtra & Kutch.
- Hot and humid weather very likely to prevail over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & south Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.





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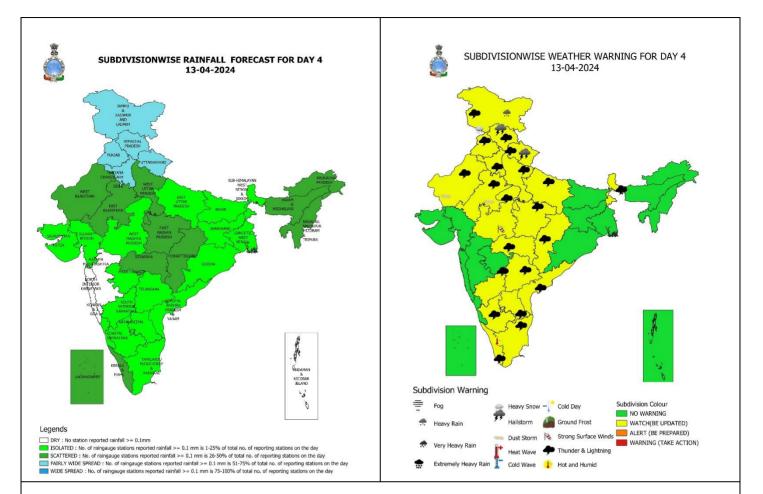
# 12 April (Day 3):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) likely at isolated places over East Rajasthan and Madhya Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over West Rajasthan, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim and Telangana; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Jharkhand, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ✤ Hot and humid weather likely to prevail over Kerala & Mahe.





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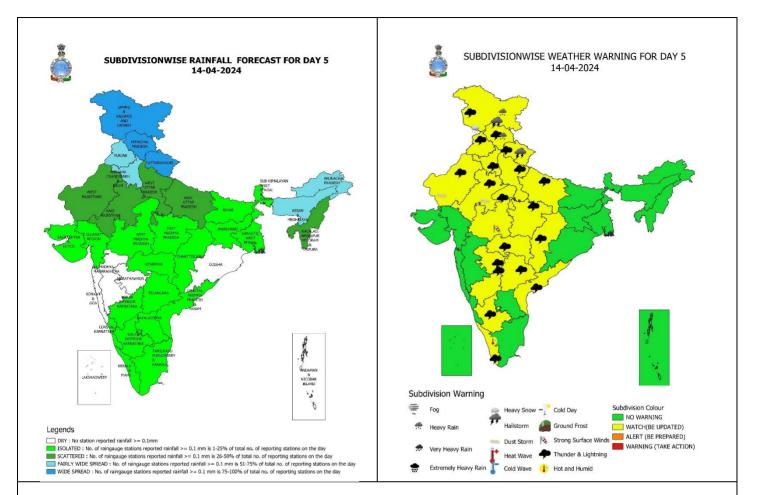
# 13 April (Day 4):

- Thunderstorm/duststorm accompanied with lightning & squall (speed reaching 50-60 kmph) likely at isolated places over Rajasthan; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Madhya Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Vidarbha, Chhattisgarh and Telangana; with lightning & Hail at isolated places over Himachal Pradesh and Uttarakhand; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- Heavy rainfall/snowfall likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ✤ Hot and humid weather likely to prevail over Kerala & Mahe.





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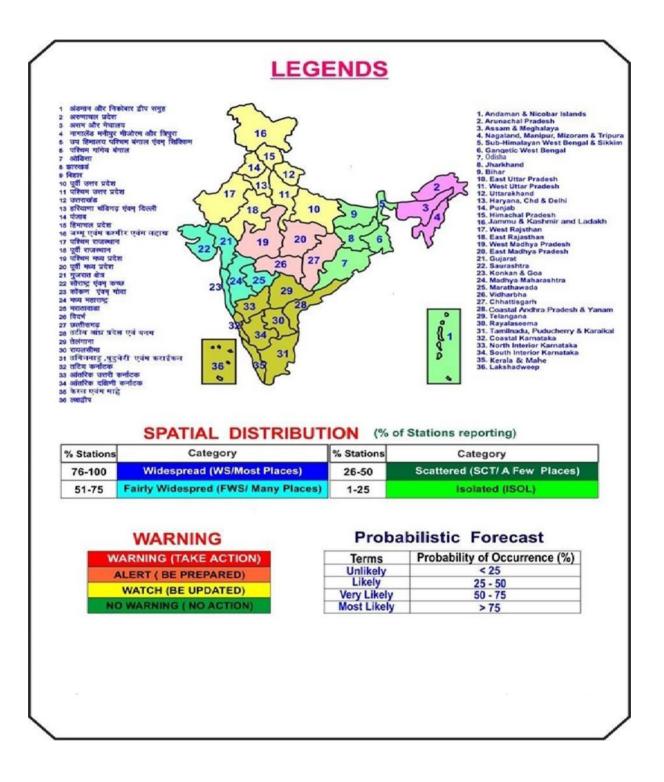


## 14 April (Day 5):

- Thunderstorm/duststorm accompanied with lightning & squall (speed reaching 50-60 kmph) likely at isolated places over Rajasthan; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Madhya Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Vidarbha, Chhattisgarh and Telangana; with lightning & Hail at isolated places over Himachal Pradesh and Uttarakhand; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Marathwada, Coastal Andhra Pradesh & Yanam, Interior Karnataka, and Kerala & Mahe.
- Heavy rainfall/snowfall likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh.
- ✤ Hot and humid weather likely to prevail over Kerala & Mahe.











	WARNING	Probal	pilistic Forecast				
	WARNING						
	WARNING (TAKE ACTION)	Terms Unlikely	Probability of Occurrence (%) < 25				
	ALERT ( BE PREPARED) WATCH (BE UPDATED)	Likely	25 - 50				
	NO WARNING ( NO ACTION)	Very Likely Most Likely	50 - 75				
- 10		WOST LIKELY	> 75				
	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm*						
ain/ Snow *	Extremely Heavy: > 204.4 mm/cm *						
	When maximum temperature of a stati (a) Based on Departure from normal Heat Wave: Maximum Temperature Departu	re from normal 4.59	<sup>o</sup> C to 6.4° C.				
<u> </u> +	Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C						
Heat Wave	(b). Based on Actual maximum temperature						
	Heat Wave: When actual maximum tempera Severe Heat Wave: When actual maximum						
	( c). Criteria for heat wave for coastal s When maximum temperature departure is >4. temperature ≥37°C	stations	eat Wave may be described provided maxim				
1.	When maximum temperature remains						
arm Night	Warm Night: When minimum temperature de Severe Warm Night: When minimum tempe	1					
	Severe warm Night. when minimum tempe	rature departure >0	.4 0.				
	When minimum temperature of a sta (a). Based on departure Cold Wave: Minimum Temperature Departur						
0	Severe Cold Wave: Minimum Temperature Departure						
-							
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 M	Ainimum Temperature is ≤ 15 °C				
	When minimum temperature of a stati	ion ≤10°C for pla	ains and ≤0°C for hilly regions				
<b>]</b> -	Based on departure	f	01.0100				
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						
	Severe Cold Day. Maximum remperature D		ai 2 -0.5 C				
_	Phenomenon of small droplets su	-	and the horizontal visibility < 1k				
Ø	Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50- 200 metres						
Fog	Very Dense Fog: when the visibility < 50 me						
			ight (Lightning) and a charp rumbling				
<b><i>F</i></b> nunderstorm	Sudden electrical discharges manifest sound (thunder)	ed by a flash of I	ight (Lightning) and a sharp runbing				
hunderstorm Dust/Sand Storm	Sudden electrical discharges manifest sound (thunder) An ensemble of particles of dust or sa turbulent wind.						
Dust/Sand	sound (thunder) An ensemble of particles of dust or sa						
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind.						
Dust/Sand	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground [Air temperature ≤4°C ( over Plains)	nd energetically	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground [Air temperature ≤4°C ( over Plains) A strong wind that rises sudden!	nd energetically	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C ( over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph	nd energetically	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground [Air temperature ≤4°C ( over Plains) A strong wind that rises sudden!! [Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-87 kmph	nd energetically	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground [Air temperature ≤4°C (over Plains) A strong wind that rises sudden!y Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph	nd energetically y, lasts for atle	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-67 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over	nd energetically y, lasts for atle	lifted to great heights by a strong and				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-61 kmph Effect of various waves in the sea over Rough to very rough: Wind speed 41-62 km	nd energetically y, lasts for atle er specific area mph (22-33 knots) 8	lifted to great heights by a strong and east 1 minute.				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-67 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over	nd energetically y, lasts for atle r specific area nph (22-33 knots) & W	lifted to great heights by a strong and past 1 minute.				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground [Air temperature ≤4°C (over Plains) A strong wind that rises sudden!] Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 527 kmph Effect of various waves in the sea over Rough to very rough: Wind speed 41-62 kr High to very high: Wind speed 5117 kmph (>63 H	nd energetically y, lasts for atle r specific area mph (22-33 knots) & h (34-63 knots) & W snots) & Wave heigt	lifted to great heights by a strong and past 1 minute.				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-67 kmph Very Severe: Wind speed 52-87 kmph Effect of various waves in the sea over Rough to very rough: Wind speed 41-62 kr High to very high: Wind speed 53-117 kmpf Phenomenal: Wind speed 51-17 kmph (>63 H	nd energetically y, lasts for atle y, lasts for atle pr specific area mph (22-33 knots) & W ( ( 34-63 knots) & W ( anots) & Wave heig! 14-47 knots)	lifted to great heights by a strong and east 1 minute.				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-67 kmph Very Severe: Wind speed 52-87 kmph Effect of various waves in the sea over Rough to very rough: Wind speed 41-62 km High to very high: Wind speed 53-117 kmpt Phenomenal: Wind speed 51-17 kmpt (>63 J Cyclonic Storm: Wind speed 62-87 kmph (3) Severe Cyclonic Storm: Wind speed 88-11	nd energetically y, lasts for atle pr specific area mph (22-33 knots) & W 1 (34-63 knots) & W knots) & Wave heigi 14-47 knots) 7 kmph (48-63 knot	lifted to great heights by a strong and east 1 minute.				
Dust/Sand Storm	sound (thunder) An ensemble of particles of dust or sa turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-67 kmph Very Severe: Wind speed 52-87 kmph Effect of various waves in the sea over Rough to very rough: Wind speed 41-62 kr High to very high: Wind speed 53-117 kmpf Phenomenal: Wind speed 51-17 kmph (>63 H	nd energetically y, lasts for atle mph (22-33 knots) & ( 34-63 knots) & W knots) & Wave heig! (4-47 knots) 7 kmph (48-63 knot 118-165 kmph (64 -	lifted to great heights by a strong and past 1 minute.				