



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Tuesday, March 26, 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 northeast Assam & neighbourhood and a trough runs from northeast Madhya Pradesh to southeast Assam in lower tropospheric levels. Under the influence of these systems:
 - ✓ Fairly widespread to widespread light to moderate rainfall with isolated thunderstorms & lightning very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim on 26th March, 2024.
 - ✓ Isolated heavy rainfall/snowfall very likely over Arunachal Pradesh on 26th and isolated heavy rainfall over Assam & Meghalaya on 26th March, 2024.
 - ✓ Isolated light to moderate rainfall with moderate to severe **thunderstorms**, lightning & gusty winds very likely over West Bengal & Sikkim on 26th March, 2024.
- A fresh Western Disturbance as a trough in mid & upper tropospheric westerlies runs roughly along Long. 50°E to the north of Lat. 28°N. Another fresh Western Disturbance likely to affect Western Himalayan Region from 29th March, 2024. Under these influence:
 - ✓ Scattered to fairly widespread light rainfall/snowfall with isolated **thunderstorms & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 27th-30th and Himachal Pradesh & Uttarakhand on 28th & 30th March, 2024. Isolated hailstorm also likely over Himachal Pradesh on 28th & 29th March, 2024.
 - ✓ Isolated light rainfall with isolated thunderstorms & lightning likely over Punjab & Haryana during 28th 30th; East Rajasthan on 28th and West Uttar Pradesh on 29th & 30th March, 2024.

Maximum temperature forecast for next 5 days:

- ★ Yesterday's, Maximum temperatures were in the range 36-40°C over many parts of peninsular India and Gujarat; over some parts of south Rajasthan, Madhya Pradesh which were above normal by 1-3°C. These in the range of 32-36°C over remaining parts of plains of India which were also above normal by 1-3°C.
- Currently, the maximum temperatures are exceeding 95th percentile of climatological value at isolated pockets of Marathwada, Kerala and south coastal Tamil Nadu. These are likely to continue to exceed 95th percentile of climatological value over extended areas of Marathwada and Vidarbha on 26th March and extend further to neighbouring region of Maharashtra, Madhya Pradesh and interior Odisha on 27th & 28th March.
- Rise in maximum temperatures by 2-3°C very likely over Northwest India during next 2 days and no significant change thereafter.
- Gradual rise in maximum temperatures by 2-4°C very likely over East & Central India and interior Maharashtra during next 4-5 days.
- No significant change in maximum temperatures very likely over rest part of the country during next 5 days.
- Hot and humid weather very likely to prevail over Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 26th-30th March, 2024.





Main Weather Observations:

- Rainfall/snowfall (from 0830 hours IST to 1730 hours IST of yesterday): at isolated places over Sikkim.
- Rainfall distribution (from 0830 hours IST to 1730 hours IST of yesterday): at isolated places over Assam & Meghalaya, Jharkhand, Odisha, Chhattisgarh and Telangana.
- Significant amount of rainfall (from 0830 hours IST to 1730 hours IST of yesterday)(≥1 cm): Sikkim: Gangtok-1; Assam: Golaghat, Lumding & Guwahati-1 each; Telangana: Adilabad-1.
- Minimum Temperature Departures (as on 25-03-2024): Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Marathwada; above normal (1.6°C to 3.0°C) at many places over Bihar; at a few places over East Uttar Pradesh, West Rajasthan, Gujarat state, Chhattisgarh, Vidarbha, Madhya Maharashtra and North Interior Karnataka; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, East Rajasthan, Madhya Pradesh, Jharkhand, Gangetic West Bengal, Odisha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Konkan & Goa, Telangana and Kerala & Mahe. These were below normal (-1.6°C to -3.0°C) at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 13.6°C was reported at Karnal (Haryana) over the plains of the country.
- Maximum Temperature Departures (as on 25-03-2024): Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Bihar; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; at isolated places over Punjab; above normal (1.6°C to 3.0°C) at most places over West Rajasthan; at a few places over Uttarakhand, East Rajasthan, Saurashtra & Kutch; at isolated places over Haryana-Chandigarh-Delhi, Madhya Pradesh, Madhya Maharashtra, North Interior Karnataka and Kerala & Mahe. These were markedly below normal (-5.1°C or less) at isolated places over Nagaland, Manipur, Mizoram & Tripura; below normal (-1.6°C to -3.0°C) at isolated places over Arunachal Pradesh and West Bengal & Sikkim and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 41.0°C was reported at Akola (Vidarbha) over the country.





Meteorological Analysis (Based on 0530 hours IST)

- The Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 50°E to the north of Lat. 28°N.
- The cyclonic circulation over northeast Assam & neighbourhood at 1.5 km above mean sea level persists.
- The cyclonic circulation over northeast Bangladesh & neighbourhood extending upto 0.9 km above mean sea level persists.
- The trough from northeast Madhya Pradesh to southeast Assam across Chhattisgarh, Jharkhand & Gangetic West Bengal at 0.9 km above mean sea level persists.
- The trough/wind discontinuity from South Interior Karnataka to Vidarbha across North Interior Karnataka extending upto 1.5 km above mean sea level persists.
- The trough in westerlies at 3.1 km above mean sea level roughly along Long. 93°E to the north of Lat. 23°N persists.
- ✤ A fresh Western Disturbance is likely to affect Western Himalayan Region from 29th March, 2024.

<u>Weather Forecast for next 7 days</u> (Upto 0830 hours IST of 02nd April, 2024)

- Meteorological sub-division wise detailed 7 days rainfall forecast is given in Table-1.
- Rise in maximum temperatures by 2-3°C very likely over Northwest India during next 2 days and no significant change thereafter.
- Gradual rise in maximum temperatures by 2-4°C very likely over East & Central India and interior Maharashtra during next 4-5 days.
- No significant change in maximum temperatures very likely over rest part of the country during next 5 days.

Weather Outlook for subsequent 3 days (During 01st-03rd April, 2024)

- Scattered to fairly widespread light to moderate rainfall/snowfall likely over Northeast India and Western Himalayan Region.
- Isolated light to moderate rainfall likely over West Madhya Pradesh, Vidarbha, Marathwada, Karnataka, Kerala & Mahe, Chhattisgarh, Odisha and Coastal Andhra Pradesh.
- Dry weather likely to prevail over rest parts of the country.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Table-1

	7 Day	vs Rainfal	ll Foreca	st				
S. No.	Subdivision	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	01-Apr
5. NO.	505010151011	Day1	Day2	Day3	Day4	Day5	Day6	Day7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	WS	SCT	SCT	SCT	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	ISOL	ISOL	SCT	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	ISOL	ISOL	SCT	SCT	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	FWS	FWS	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
12	UTTARAKHAND	DRY	ISOL	SCT	SCT	SCT	ISOL	DRY
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	ISOL	ISOL	ISOL	DRY	DRY
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	FWS	SCT	SCT	SCT	DRY
16	JAMMU & KASHMIR AND LADAKH	ISOL	WS	WS	SCT	SCT	SCT	DRY
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH & YANAM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU PUDUCHERRY & KARAIKAL	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
35	KERALA & MAHE	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

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





National Weather Forecasting Centre India Meteorological Department **Ministry of Earth Sciences**

Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

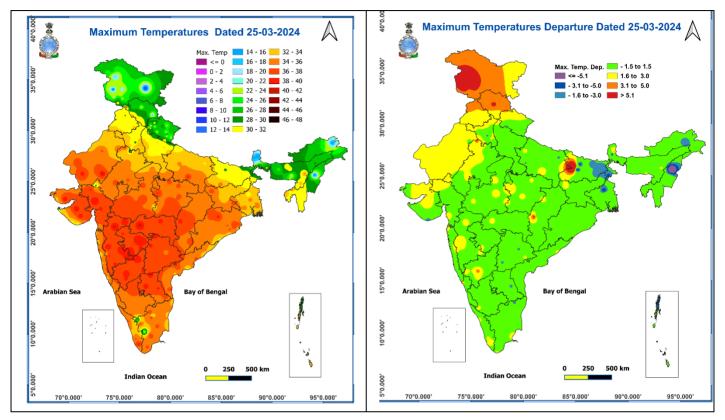


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures Minimum Temperatures Departure Dated 25-03-2024 新た 40°0.0 A 10.0 Minimum Temperatures Dated 25-03-2024 6 - 8 24 - 26 8 - 10 26 - 28 10 - 12 28 - 30 Min. Temp <= -8 Min. Temp. Dep. 📃 - 1.5 to 1.5 <= -5.1 1.6 to 3.0 </pre> - 3.1 to -5.0 3.1 to 5.0 - 1.6 to -3.0 5.1 35°0.000' 2 -6 - -4 12 - 14 30 - 32 -4 - -2 14 - 16 32 - 34 -2 - 0 16 - 18 34 - 36 0 - 2 18 - 20 36 - 38 2 - 4 20 - 22 38 - 40 000.000 30°0.000 4 - 6 22 - 24 25°0.000 20°0.000 20°0.000 000 ,000 15°0.0 15°0 Arabian Sea Bav of E of Renga -. 4 10°0.000 000 000 5 $\mathbf{v}_{\mathbf{s}}$ 3 ò 250 500 km 250 Indian Ocean Indian Ocean 5°0.000' 5°0. 70°0.000 75°0.000′ 80°0.000 85°0.000' 90°0.000 95°0.000 70°0.000 75°0.000′ 80°0.000' 85°0.000' 90°0.000' 95°0.000

* 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)

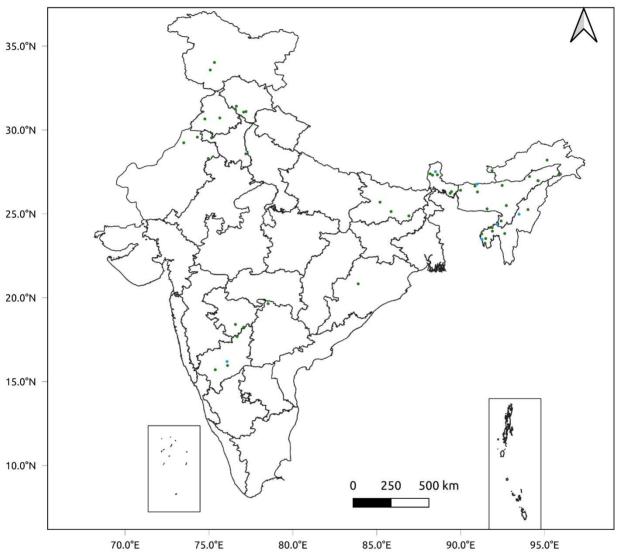




Fig. 5: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 24-3-2024 to 0830 IST of 25-3-2024



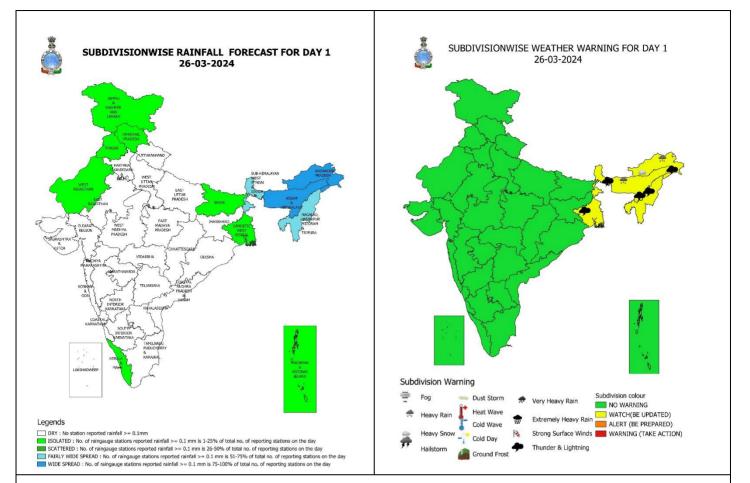
Legends

- 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)





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



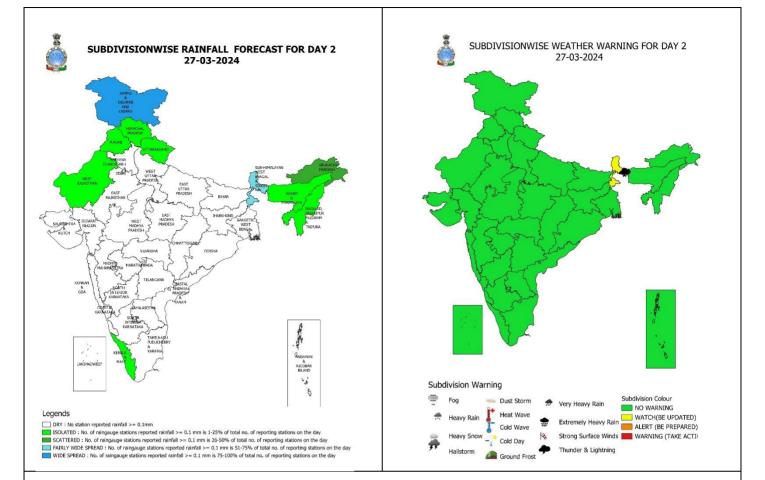
26 March (Day 1):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh.
- Heavy rainfall/snowfall very likely at isolated places over Arunachal Pradesh; Heavy rainfall at isolated places over Assam & Meghalaya.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



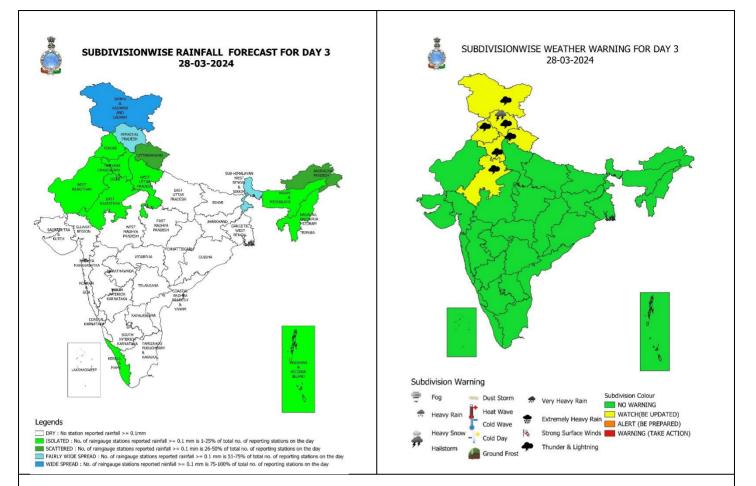
27 March (Day 2):

Thunderstorm accompanied with lightning very likely at isolated places over Sub-Himalayan West Bengal & Sikkim





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



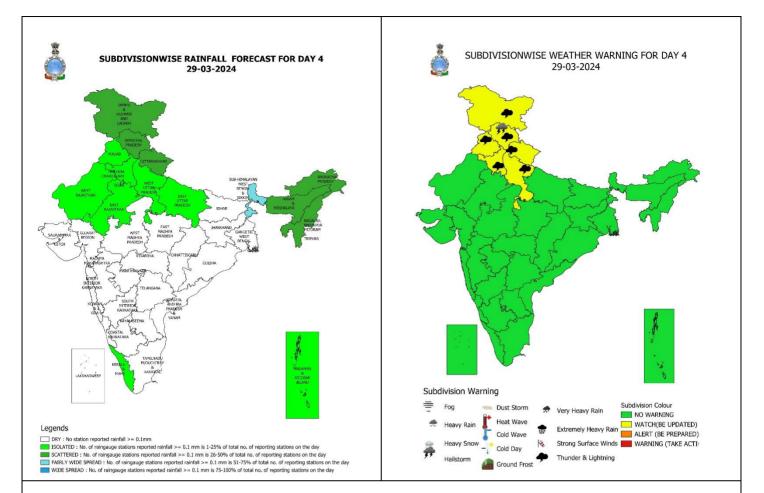
28 March (Day 3):

Thunderstorm accompanied with lightning & hail likely at isolated places over Himachal Pradesh; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Punjab, Haryana and East Rajasthan.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



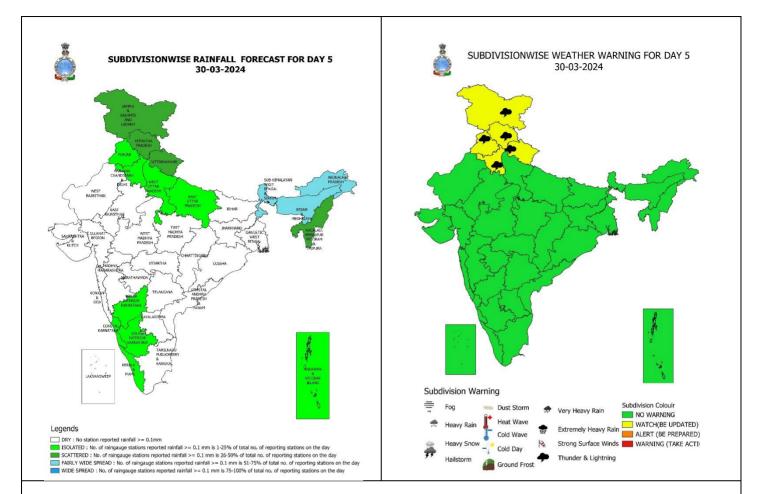
29 March (Day 4):

Thunderstorm accompanied with lightning & hail likely at isolated places over Himachal Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over West Uttar Pradesh; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Punjab and Haryana.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

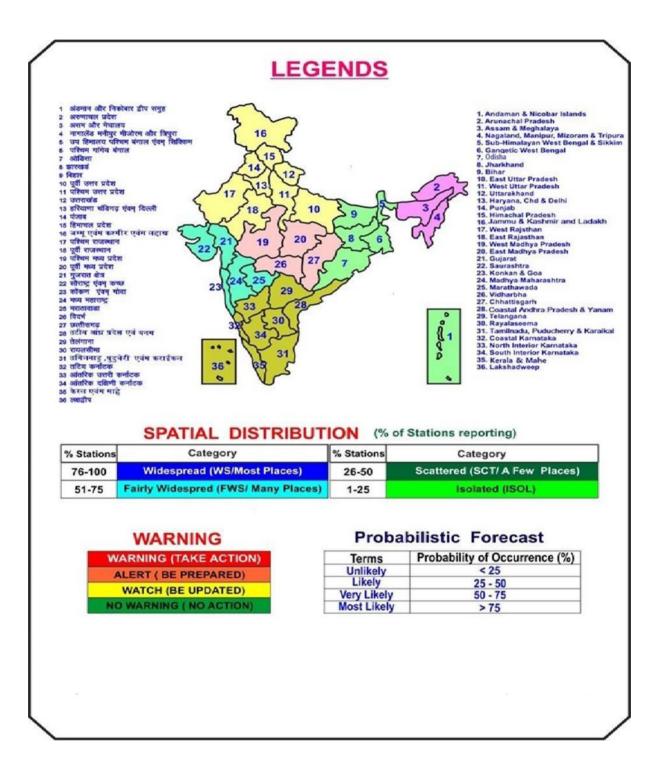


30 March (Day 5):

Thunderstorm accompanied with lightning likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Punjab and Haryana.











	WARNING	Probal	pilistic Forecast				
	WARNING	-	x				
	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 station reaches ≥40° C for plains and ≥30° C for hilly region (a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5° 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						
-	(b) Based on actual Minimum Temper						
Cold Wave	Cold Wave : When Minimum Temperature is		, only,				
	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				
] -	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				
<i>F</i> 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.				