



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

> Thursday, January 4, 2024 Time of Issue: 1945 hours IST (NIGHT)

### ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### **Significant Weather Features:**

# Weather Systems and Forecast & Warnings during next 5 days

### Weather Systems:

- The associated cyclonic circulation lies over Southeast Arabian Sea & adjoining Lakshadweep area and a trough runs from the above cyclonic circulation to south Karnataka in lower tropospheric levels.
- The Western Disturbance lay as a cyclonic circulation over Haryana & neighbourhood in lower tropospheric levels; an induced cyclonic circulation lies over southwest Uttar Pradesh& neighbourhood and a trough runs from North Interior Karnataka to the cyclonic circulation over southwest Uttar Pradesh in lower levels.

### Dense fog and Cold day warning:

- **Dense to very dense fog** conditions very likely to prevail for a few hours in night/morning in some parts over Punjab, Haryana-Chandigarh, Uttar Pradesh, East Rajasthan during 04<sup>th</sup> to 06<sup>th</sup> January; in isolated pockets on 07<sup>th</sup> and **Dense fog** in isolated pockets for subsequent 2 days.
- **Dense to very dense fog** conditions very likely to prevail for a few hours in morning in isolated pockets over West Rajasthan on 05<sup>th</sup> & 06<sup>th</sup> January and in isolated pockets on 07<sup>th</sup> January.
- **Dense to very dense fog** conditions very likely to prevail for a few hours in morning in isolated pockets over Bihar on 05<sup>th</sup> January and **Dense fog** in some parts on 06<sup>th</sup> & 07<sup>th</sup> January.
- **Dense fog** conditions very likely to prevail for a few hours in morning in isolated pockets over Jammu division, Himachal Pradesh, Uttarakhand, Odisha, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 05<sup>th</sup>-07<sup>th</sup> January and over north Madhya Pradesh on 05<sup>th</sup> January.
- **Cold Day to Severe Cold Day** conditions very likely to continue in some parts over Punjab, Haryana-Chandigarh-Delhi during 04<sup>th</sup>-06<sup>th</sup> and Uttar Pradesh & Rajasthan on 04<sup>th</sup> & 05<sup>th</sup> January.

### **Temperatures Forecast and cold Wave warning:**

- Minimum Temperatures are likely to rise gradually by 2-3°C over East India during next 3 days. No significant change in minimum temperatures likely over rest parts of north India during next 5 days.
- $\bullet$  Cold wave conditions very likely in isolated pockets over Punjab, Haryana and Rajasthan on  $05^{th}$  &  $06^{th}$  January.

### **Rainfall Forecast:**

- Light to moderate rainfall at some places very likely over south Tamil Nadu, south Kerala and Lakshadweep during next 4-5 days.
- Isolated **heavy rainfall** very likely over Tamil Nadu during 04<sup>th</sup>-08<sup>th</sup>; Kerala during 04<sup>th</sup>-06<sup>th</sup>; over Lakshadweep, Coastal Karnataka on 04<sup>th</sup> & 05<sup>th</sup>; over South Interior Karnataka on 04<sup>th</sup> January
- Light isolated rainfall very likely over Madhya Pradesh, Chhattisgarh, Bihar and Jharkhand during 04<sup>th</sup> 06<sup>th</sup>; over Uttar Pradesh on 04<sup>th</sup> & 05<sup>th</sup> January.





### Main Weather Observations:

- Rainfall distribution (from 0830 hours IST to 1730 hrs IST of today): at most places over Lakshadweep; at isolated places over East Uttar Pradesh, West Madhya Pradesh, Rayalaseema, Coastal Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- Heavy rainfall (from 0830 hours IST to 1730 hrs IST of today) observed at isolated place over Kerala.
- Significant rainfall amount recorded (from 0830 hours IST to 1730 hrs IST of today) (in cm): Kerala: Poonjar-7, Keerampara-3, Thodupuzha-2 Coastal Karnataka: Mangalore-4; Lakshadweep: Aminidivi-3, Minicoy-2.
- Fog conditions observed (at 1730 hours IST of today): Dense Fog in isolated pockets over Punjab and Moderate Fog in isolated pockets over West Uttar Pradesh and Madhya Pradesh.
- Visibility recorded (at 1730 hours IST of today) (in metres): Punjab: Ludhiana-50, Patiala–200; West Uttar Pradesh: Bareilly-200; Madhya Pradesh: Bhopal & Sagar-200 each.
- Today, Cold Day to Severe Cold Day conditions observed in many places over Punjab, Haryana, Delhi, West Rajasthan & West Madhya Pradesh and in isolated pockets over East Rajasthan & East Madhya Pradesh.
- Minimum Temperature Departures (as on 04-01-2024): Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Madhya Pradesh, Maharashtra, at a few places over Coastal Andhra Pradesh & Yanam, North Interior Karnataka; at isolated places over Tamil Nadu, Puducherry & Karaikal, East Uttar Pradesh and Bihar; above normal (1.6°C to 3.0°C) at many places over Gujrat region, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh, Jharkhand, Chhattisgarh, Kerala & Mahe; at few places over West Uttar Pradesh, South Interior Karnataka, Telangana and Assam & Meghalaya and near normal over rest parts of the country. Today, the lowest minimum temperature of 1.0°C is reported at Sikar (East Rajasthan) over the plains of the country.
- Maximum Temperature Departures (as on 04-01-2024): Maximum temperatures are markedly above normal (5.1°C or more) at isolated places over Chhattisgarh; appreciably above normal (3.1°C to 5.0°C) at isolated places over Arunachal Pradesh; above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Bihar, West Bengal & Sikkim, Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Andaman & Nicobar Islands. They are markedly below normal (-5.1°C or less) at most places over Punjab; at many places over Haryana-Chandigarh-Delhi, West Rajasthan and West Madhya Pradesh; at isolated places over East Rajasthan and East Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at many places over West Uttar Pradesh; below normal (-1.6°C to -3.0°C) at most places over Gujarat Region and Lakshadweep: at many places over Coastal Karnataka: at a few places over East Uttar





### Meteorological Analysis (Based on 1730 hours IST)

- The cyclonic circulation over Southeast Arabian Sea and adjoining Lakshadweep area extending upto 3.1 km above mean sea level persists.
- The southwest-northeast oriented trough from cyclonic circulation over Southeast Arabian Sea and adjoining Lakshadweep area to south Karnataka extending upto 1.5 km above mean sea level persists.
- The Western Disturbance as a cyclonic circulation over north Haryana & neighbourhood at 3.1 km above mean sea level persists.
- The induced cyclonic circulation over southwest Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level persists.
- The trough from North Interior Karnataka to the cyclonic circulation over southwest Uttar Pradesh at 1.5 km above mean sea level persists.
- ✤ A fresh Western Disturbance is likely to affect Northwest India from the night of 08th January, 2024.

## Weather Forecast for next 7 days (Upto 0830 hours IST of 11th January, 2024)

- Minimum Temperatures are likely to rise gradually by 2-3°C over East India during next 3 days.
- No significant change in minimum temperatures likely over rest parts of north India during next 5 days.
- Thunderstorm accompanied with lightning likely over Bihar on 04<sup>th</sup> & 05<sup>th</sup> January.

### Weather Outlook for subsequent 2 days

Mainly dry weather likely to prevail over most parts of the country.





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

### Table-1

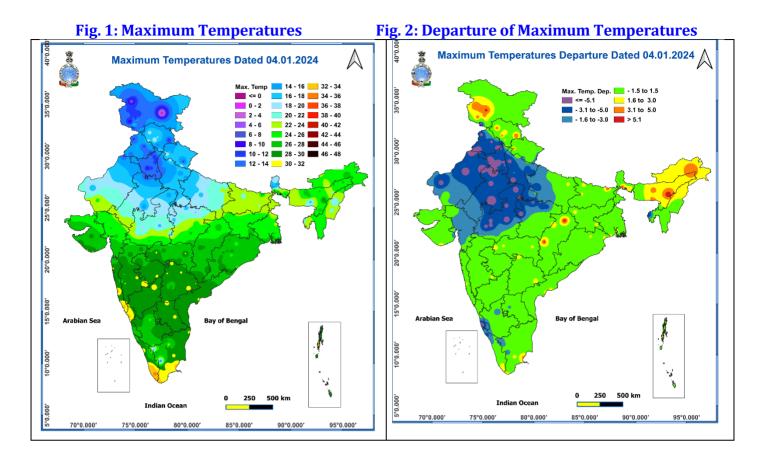
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16JAMMU & KASHMIR AND LADAKHDRYDRYDRYDRYDRYDRYISOLISOLISOL17WEST RAJASTHANDRYDRYDRYDRYDRYDRYISOLISOLDRY18EAST RAJASTHANDRYDRYDRYDRYDRYISOLSCTISOLDRY19WEST MADHYA PRADESHISOLISOLISOLISOLISOLISOLISOLISOLISOLISOL20EAST MADHYA PRADESHISOLFWSFWSISOLISOLISOLISOLISOLISOL21GUJARAT REGIONDRYDRYDRYDRYDRYISOLISOLISOLISOL22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYDRYDRYDRY23KONKAN & GOAISOLISOLISOLISOLISOLDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLDRYDRYDRYDRY25MARATHAWADAISOLISOLISOLDRYDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYDRYDRYDRYDRY29TELANGANAISOLISOLISOLISOLI	14	PUNJAB	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
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18EAST RAJASTHANDRYDRYDRYISOLSCTISOLDRY19WEST MADHYA PRADESHISOLISOLISOLISOLISOLSCTSCTISOL20EAST MADHYA PRADESHISOLFWSFWSISOLISOLISOLISOLISOL21GUJARAT REGIONDRYDRYDRYDRYDRYISOLISOLISOLISOL22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYISOLISOLDRY23KONKAN & GOAISOLISOLISOLISOLISOLISOLDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLISOLDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLISOLDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLISOLDRYDRY29TELANGANAISOLISOLDRYDRYISOLISOLISOLISOLISOLISOL30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLISOLISOLISOLISOLISOLISOL32COASTAL KARNATAKAFWSSCT <td>16</td> <td>JAMMU &amp; KASHMIR AND LADAKH</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>ISOL</td> <td>ISOL</td>	16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
19WEST MADHYA PRADESHISOLISOLISOLISOLISOLSCTSCTISOL20EAST MADHYA PRADESHISOLDRYDRYDRYDRYDRYISOLISOLISOLISOL21GUJARAT REGIONDRYDRYDRYDRYDRYDRYISOLISOLISOLISOL22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYDRYDRYDRYDRYDRY23KONKAN & GOAISOLISOLISOLISOLISOLISOLDRYDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLISOLDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLISOLISOLISOLDRY29TELANGANAPRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLISOLISOL30RAYALASEEMADRYMRYDRYDRYDRYDRYISOL	17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
20EAST MADHYA PRADESHISOLFWSFWSISOLISOLISOLISOLISOL21GUJARAT REGIONDRYDRYDRYDRYDRYDRYISOLISOLISOL22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYDRYISOLISOLDRY23KONKAN & GOAISOLISOLISOLISOLISOLISOLDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLISOLDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLISOLDRY29TELANGANAISOLDRYDRYDRYDRYISOLISOLISOLISOLISOLISOL30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKASCTSCTSCTSCTSCTISOLISOL <t< td=""><td>18</td><td>EAST RAJASTHAN</td><td>DRY</td><td>DRY</td><td>DRY</td><td>ISOL</td><td>SCT</td><td>ISOL</td><td>DRY</td></t<>	18	EAST RAJASTHAN	DRY	DRY	DRY	ISOL	SCT	ISOL	DRY
20EAST MADHYA PRADESHISOLFWSFWSISOLISOLISOLISOLISOL21GUJARAT REGIONDRYDRYDRYDRYDRYDRYISOLISOLISOL22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYDRYDRYDRY23KONKAN & GOAISOLISOLISOLISOLISOLDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLISOLISOLDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLISOLISOLDRY29TELANGANAISOLDRYDRYDRYDRYISOLISOLISOLISOLISOLISOL30RAYALASEEMADRYDRYDRYDRYDRYISOLISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOL	19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
22SAURASHTRA & KUTCHDRYDRYDRYDRYDRYISOLISOLDRY23KONKAN & GOAISOLISOLISOLISOLISOLDRYDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRYDRY26VIDARBHAISOLISOLISOLDRYDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLISOLDRY29TELANGANAISOLDRYDRYDRYISOLISOLISOLISOLISOLISOLISOL30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAFWSSCTISOLISOLDRYDRYDRYDRY34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOLISOL </td <td>20</td> <td>EAST MADHYA PRADESH</td> <td>ISOL</td> <td>FWS</td> <td>FWS</td> <td>ISOL</td> <td>ISOL</td> <td>ISOL</td> <td>ISOL</td>	20	EAST MADHYA PRADESH	ISOL	FWS	FWS	ISOL	ISOL	ISOL	ISOL
23KONKAN & GOAISOLISOLISOLISOLISOLISOLDRYDRYDRY24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRYDRY26VIDARBHAISOLISOLISOLISOLDRYDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLDRYDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLISOLDRYDRY29TELANGANAISOLDRYDRYDRYDRYISOLISOLISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYDRYISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLISOLISOLISOLISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKASCTSCTSCTSCTSCTISOLISOLISOLISOL34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTISOLISOLISOLISOLISOL35KERALA & MAHE <td>21</td> <td>GUJARAT REGION</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>ISOL</td> <td>ISOL</td> <td>ISOL</td>	21	GUJARAT REGION	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
24MADHYA MAHARASHTRAISOLISOLISOLISOLISOLDRYDRYDRY25MARATHAWADAISOLISOLISOLISOLISOLDRYDRYDRYDRY26VIDARBHAISOLISOLISOLDRYDRYDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLDRYDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLORYDRY29TELANGANAISOLDRYDRYDRYISOLISOLISOLISOLISOLORY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLISOLISOLISOLISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRYDRYDRY34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTISOLISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOLISOLISOL	22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
25MARATHAWADAISOLISOLISOLISOLDRYDRYDRYDRY26VIDARBHAISOLISOLISOLDRYDRYDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLDRYDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYDRYISOLISOLISOLISOLDRY29TELANGANAISOLISOLDRYISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTISOLISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOLISOLISOL	23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
26VIDARBHAISOLISOLISOLDRYDRYDRYDRYDRY27CHHATTISGARHISOLISOLISOLISOLISOLISOLDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYDRYISOLISOLISOLISOLDRY29TELANGANAISOLISOLDRYISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLISOLISOLISOLISOL34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOL	24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
27CHHATTISGARHISOLISOLISOLISOLISOLDRYDRYDRY28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYDRYISOLISOLISOLDRY29TELANGANAISOLDRYDRYDRYISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKAFWSSCTSCTSCTSCTISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOLISOL	25	MARATHAWADA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
28COASTAL ANDHRA PRADESH & YANAMDRYDRYDRYISOLISOLISOLISOLDRY29TELANGANAISOLISOLDRYISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOL	26	VIDARBHA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
29TELANGANAISOLISOLISOLISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOLISOL	27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
29TELANGANAISOLISOLISOLISOLISOLISOLISOLDRY30RAYALASEEMADRYDRYDRYDRYISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOLISOL		COASTAL ANDHRA PRADESH & YANAM							
30RAYALASEEMADRYDRYDRYISOLISOLISOLISOLISOL31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLISOLSCTSCTSCTISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOLISOLISOL35KERALA & MAHEFWSSCTSCTSCTISOLISOLISOLISOL									
31TAMILNADU PUDUCHERRY & KARAIKALISOLISOLSCTSCTISOLISOLISOL32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTSCTISOLISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOLISOL	30	RAYALASEEMA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
32COASTAL KARNATAKAFWSSCTISOLISOLISOLISOLISOLISOL33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLISOLDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTSCTISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOLISOL	31								
33NORTH INTERIOR KARNATAKAISOLISOLISOLISOLDRYDRY34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOL		COASTAL KARNATAKA							
34SOUTH INTERIOR KARNATAKASCTSCTSCTSCTISOLISOL35KERALA & MAHEFWSSCTSCTFWSSCTISOLISOL		NORTH INTERIOR KARNATAKA							
35 KERALA & MAHE FWS FWS SCT FWS SCT ISOL ISOL									

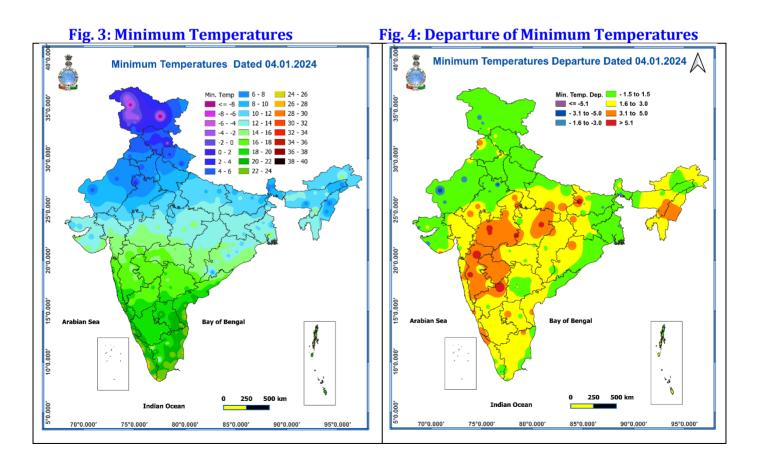
Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

\* 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)









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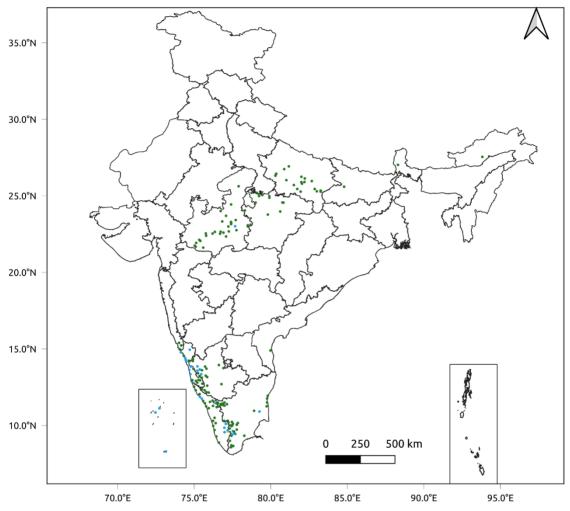




### Fig. 5: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 3-1-2024 to 0830 IST of 4-1-2024



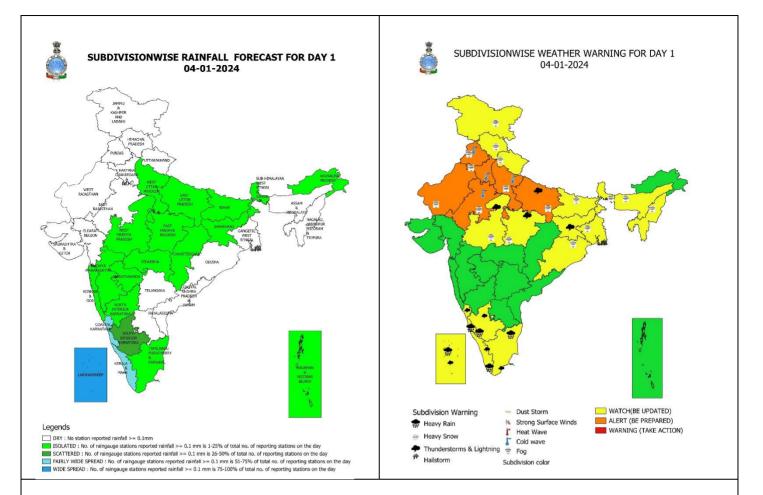
# Legends

- 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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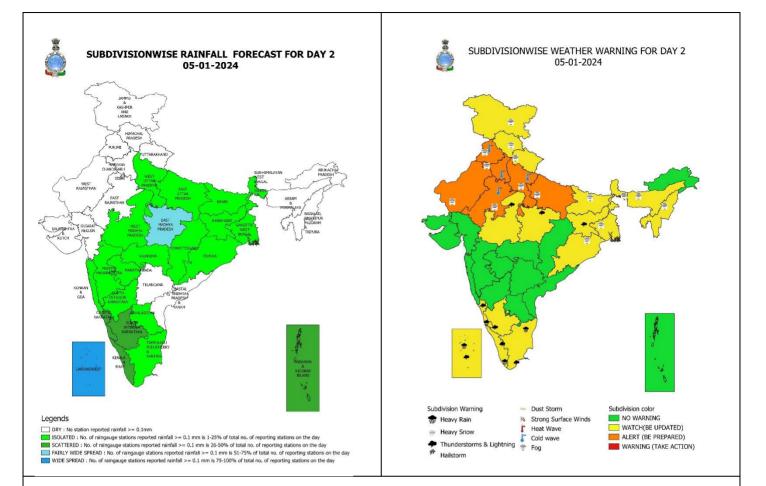
## 04 January (Day 1):

- Dense to very dense fog very likely in some parts of Punjab, Haryana-Chandigarh, Uttar Pradesh, East Rajasthan, Bihar; in isolated pockets of West Rajasthan; Dense fog in isolated pockets of Jammu Division, Himachal Pradesh, Uttarakhand, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Assam & Meghalaya and Mizoram & Tripura.
- Cold day to severe Cold day conditions very likely in some parts over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and Rajasthan.
- **Cold wave** conditions very likely in isolated pockets over Punjab, Haryana-Chandigarh and Rajasthan.
- Heavy rainfall very likely at isolated places over Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Kerala and Lakshadweep.
- Thunderstorm accompanied with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Kerala & Mahe and Lakshadweep; with lightning likely at isolated places over Madhya Pradesh, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.
- Squally weather with wind speed 40-45 kmph gusting to 55 kmph very likely to prevail over Southeast Arabian Sea, adjoining Lakshadweep area. Fishermen are advised not to venture into these areas.





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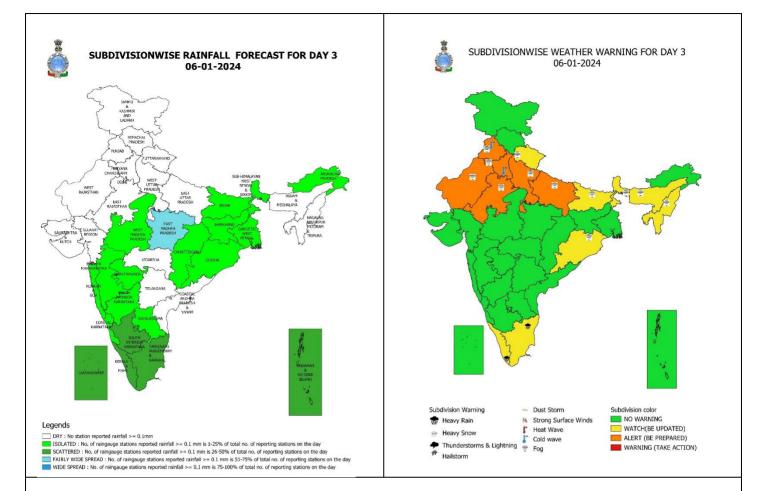
## 05 January (Day 2):

- Dense to very dense fog very likely in some parts of Punjab, Haryana-Chandigarh, Uttar Pradesh, East Rajasthan; in isolated pockets of West Rajasthan; Dense fog in some parts of Bihar and in isolated pockets of Jammu division, Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Assam & Meghalaya and Mizoram & Tripura.
- Cold day to severe Cold day conditions very likely in isolated pockets of Punjab, Uttar Pradesh, Rajasthan and Haryana-Chandigarh-Delhi.
- **Cold wave** conditions very likely in isolated pockets over Punjab, Haryana-Chandigarh and Rajasthan.
- Heavy rainfall very likely at isolated places over Coastal Karnataka, Tamil Nadu, Kerala and Lakshadweep.
- Thunderstorm accompanied with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Kerala & Mahe and Lakshadweep; with lightning likely at isolated places over north Madhya Pradesh, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.
- Squally weather with wind speed 40-45 kmph gusting to 55 kmph likely to prevail over Southeast & adjoining Eastcentral Arabian Sea and adjoining Lakshadweep area. Fishermen are advised not to venture into these areas.





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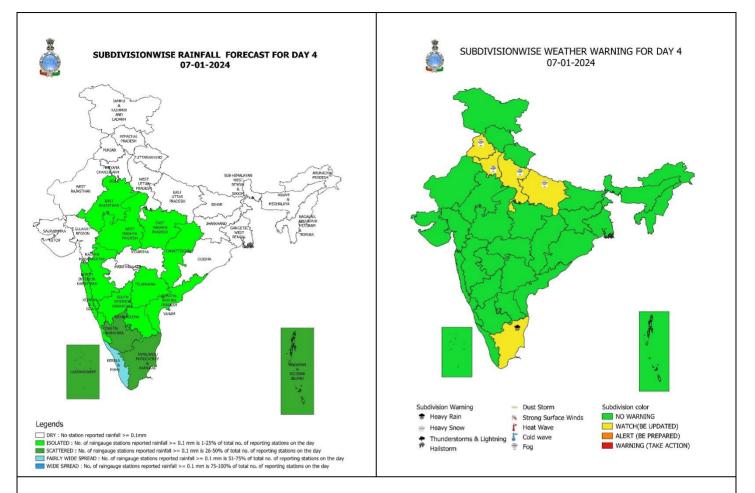
## 06 January (Day 3):

- Dense to very dense fog very likely in some parts of East Rajasthan; in isolated pockets of Punjab, Haryana-Chandigarh, Uttar Pradesh, West Rajasthan; Dense fog in some parts of Bihar and in isolated pockets of Jammu division, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya and Mizoram & Tripura.
- Cold day to severe Cold day conditions very likely in isolated pockets of Punjab and Haryana-Chandigarh-Delhi.
- **Heavy rainfall** very likely at isolated places over Tamil Nadu and Kerala.
- Squally weather with wind speed 40-45 kmph gusting to 55 kmph likely to prevail along and off Tamil Nadu coast, Gulf of Mannar and adjoining Comorin area. Fishermen are advised not to venture into these areas.





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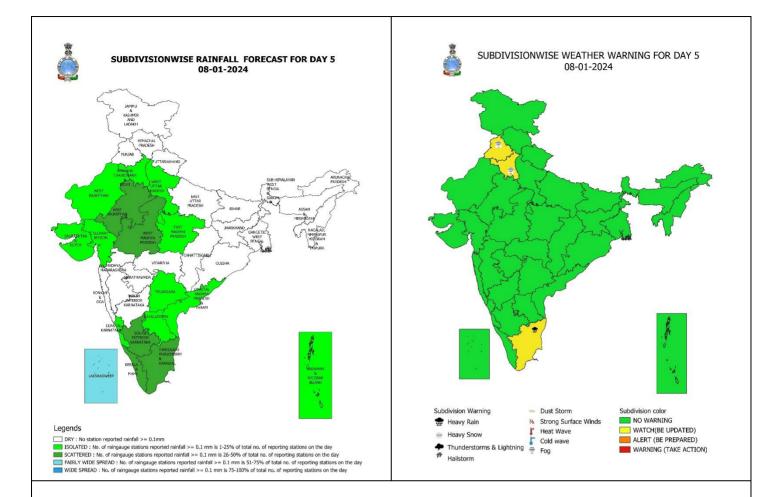
# 07 January (Day 4):

- **Chandigarh**.
- **Heavy rainfall** likely at isolated places over Tamil Nadu.
- Squally weather with wind speed 40-45 kmph gusting to 55 kmph likely to prevail along and off Tamil Nadu coast, Gulf of Mannar and adjoining Comorin area. Fishermen are advised not to venture into these areas.





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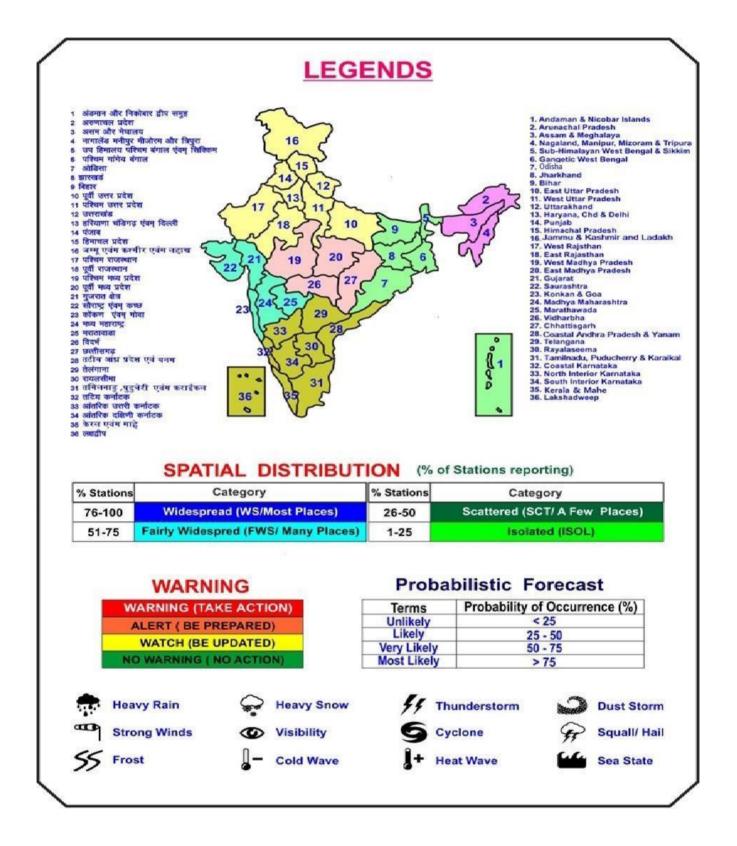
# 08 January (Day 5):

- **Chandigarh**.
- Heavy rainfall likely at isolated places over Tamil Nadu.





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		EGENDS				
	WARNING	Probat	oilistic Forecast			
	WARNING (TAKE ACTION)	Terms Unlikely	Probability of Occurrence (%) < 25			
	ALERT ( BE PREPARED)	Likely	25 - 50			
	WATCH (BE UPDATED)	Very Likely	50 - 75			
	NO WARNING ( NO ACTION)	Most 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 *					
<b>j+</b> leat Wave	(a) Based on Departure from norma Heat Wave: Maximum Temperature Dep Severe Heat Wave: Maximum Temperat (b). Based on Actual maximum tem	al parture from normal 4.5 <sup>c</sup> ture Departure from norr ipperature				
	Heat Wave: When actual maximum temp Severe Heat Wave: When actual maxim					
	( c). Criteria for heat wave for coasi When maximum temperature departure is temperature ≥37°C		eat Wave may be described provided maxim			
Î.	When maximum temperature rema					
arm Night	Warm Night: When minimum temperature Severe Warm Night: When minimum ter					
<b>↓</b> – Cold Wave	When minimum temperature of a (a). Based on departure   Cold Wave: Minimum Temperature Depa Severe Cold Wave: Minimum Temperatur   (b) Based on actual Minimum Tem   Cold Wave: When Minimum Temperatur   Severe Cold Wave: When Minimum Temperatur   Severe Cold Wave: When Minimum Temperatur	arture from normal -4.5 ure Departure from norm aperature (for Plains re is $\leq 4.0 \ ^{\circ}C$	°C to -6.4 °C. nal ≤ -6.5 °C			
<b>∫−</b> Cold Day	( c) For Coastal Stations When Minimum Temperature departure When minimum temperature of a s Based on departure Cold Day: Maximum Temperature Departure	station ≤10°C for pla rture from normal -4.5 °	ains and ≤0°C for hilly regions C to -6.4 °C.			
	Severe Cold Day: Maximum Temperatur	re Departure from norm	al ≤ -6.5 °C			
<b>G</b> Fog	Phenomenon of small droplets Moderate Fog: When the visibility betwee Dense Fog: when the visibility between Very Dense Fog: when the visibility < 50	een 500-200 metres 50- 200 metres	r and the horizontal visibility < 1k			
<i>yy</i> understorm	Sudden electrical discharges manif sound (thunder)	fested by a flash of I	ight (Lightning) and a sharp rumbling			
Dust/Sand Storm	An ensemble of particles of dust or turbulent wind.	r sand energetically	lifted to great heights by a strong and			
~	Ice deposits on ground					
))	Air temperature ≤4°C (over Plains)					
Frost						
$\sim$	A strong wind that rises sudde Moderate: Wind speed 52-61 kmph	enly, lasts for atle	ast 1 minute.			
45	Severe: Wind speed 52-67 kmph					
Squall	Very Severe: Wind speed >87 kmph					
	Effect of various wayos in the cos	over specific area				
<b>Sea State</b>	Effect of various waves in the sea Rough to very rough: Wind speed 41-6 High to very high: Wind speed 63-117 k Phenomenal: Wind speed >117 kmph (>	62 kmph (22-33 knots) & mph ( 34-63 knots) & W	/ave height 6-14 metre			
	Cyclonic Storm: Wind speed 62-87 kmp	oh (34-47 knots)				
	, the second second second have		c)			
6	Severe Cyclonic Storm: Wind speed 88	8-117 kmph (48-63 khot	3/			
9	Very Severe Cyclonic Storm: Wind spe	eed 118-165 kmph (64 -	89 knots)			
<b>S</b> Cyclone		eed 118-165 kmph (64 - ind speed 166-220 kmpł	89 knots)			