



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

> Monday, March 31, 2025 Time of Issue: 0800 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:

31st March (Day 1):

- Thunderstorm accompanied with gusty winds (speed reaching 40 50 kmph) & lightning very likely at isolated places over Arunachal Pradesh; with gusty winds (speed reaching 30 -40 kmph) at isolated places over Konkan & Goa, Madhya Maharashtra, Gujarat Region, Tripura; with lightning at isolated places over Kerala & Mahe.
- **Heat wave conditions** very likely at isolated places over Saurashtra & Kutch.
- Hot and Humid Conditions very likely at isolated places over Assam, Tripura, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Kerala & Mahe.

01st April (Day 2):

Thundersquall (wind speed reaching 50 - 60 kmph) accompanied with lightning & hail very likely at isolated places over Madhya Maharashtra, Marathwada; with gusty winds (speed reaching 40 - 50 kmph) & lightning at isolated places over West Madhya Pradesh, Chhattisgarh, Karnataka State; with gusty winds (speed reaching 30 - 40 kmph) at isolated places over Vidarbha, Konkan & Goa, Gujarat state, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema.

Hot and Humid Conditions very likely at isolated places over Assam and Tripura.

02nd April (Day 3):

- Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Karnataka, South Interior Karnataka.
- Thundersquall (wind speed reaching 50 60 kmph) accompanied with lightning & hail likely at isolated places over Madhya Maharashtra, Marathwada; with gusty winds (speed reaching 40 - 50 kmph), Hail & lightning at isolated places over Coastal Karnataka, North Interior Karnataka; with gusty winds (speed reaching 40 - 50 kmph) & lightning at isolated places over Madhya Pradesh, Chhattisgarh, South Interior Karnataka, Kerala & Mahe; with gusty winds (speed reaching 30 - 40 kmph) at isolated places over Vidarbha, Konkan & Goa, Gujarat state, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana; with lightning Tamil Nadu, Puducherry & Karaikal, East Rajasthan.
- **Hot and Humid Conditions** likely at isolated places over Tripura.





03rd April (Day 4):

- Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Karnataka state.
- Thunderstorm accompanied with gusty winds (speed reaching 40 50 kmph), Hail & lightning at isolated places over Interior Karnataka; with gusty winds (speed reaching 40 - 50 kmph) & lightning at isolated places over Kerala & Mahe, Madhya Pradesh, Chhattisgarh; with gusty winds (speed reaching 30 - 40 kmph) at isolated places over Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana; with lightning Tamil Nadu, Puducherry & Karaikal, East Rajasthan.
- ***** Hot and Humid Conditions likely at isolated places over Tripura.

04th April (Day 5):

Heavy rainfall likely at isolated places over Kerala & Mahe.

05th April (Day 6):

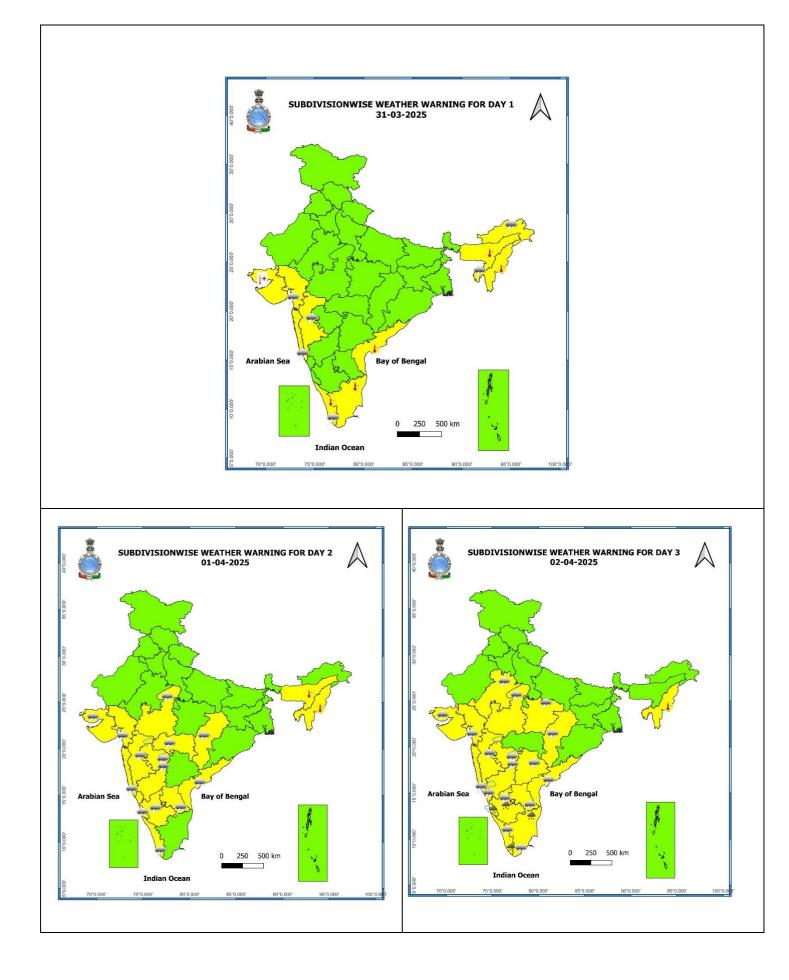
Heavy rainfall likely at isolated places over Kerala & Mahe.

06th April (Day 7):

✤ Heavy rainfall likely at isolated places over Kerala & Mahe.



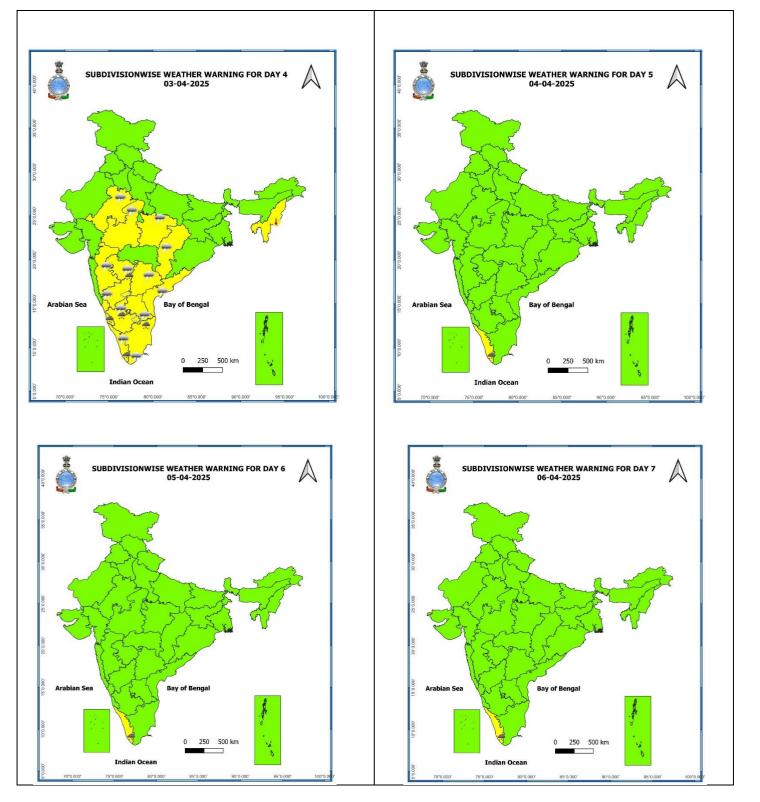








National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



- 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												
		31-	01-	02-	03-	04-	05-	06-				
S.	Subdivision	Mar	Apr	Apr	Apr	Apr	Apr	Apr				
No.		Day 1	Day	Day	Day	Day	Day	Day				
		-	2	3	4	5	6	7				
1	ANDAMAN & NICOBAR ISLANDS	ISOL	SCT	FWS	WS	WS	FWS	FWS				
2		ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS				
3	ASSAM & MEGHALAYA	DRY	DRY	DRY	ISOL	SCT	SCT	SCT				
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	ISOL	DRY	ISOL	ISOL	SCT	SCT				
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	DRY	DRY	DRY	DRY	DRY	DRY				
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL				
7	ODISHA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL				
8	JHARKHAND	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY				
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
12	UTTARAKHAND	DRY	DRY	DRY	ISOL	DRY	DRY	DRY				
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	DRY	DRY	DRY				
16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY				
18	EAST RAJASTHAN	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY				
19	WEST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY				
20	EAST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY				
21	GUJARAT REGION	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY				
22	SAURASHTRA & KUTCH	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY				
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL				
24	MADHYA MAHARASHTRA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL				
25	MARATHAWADA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL				
26	VIDARBHA	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY				
27	CHHATTISGARH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL				
28	COASTAL ANDHRA PRADESH & YANAM	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL				
29	TELANGANA	DRY	DRY	ISOL	SCT	SCT	SCT	SCT				
30	RAYALASEEMA	DRY	ISOL	ISOL	SCT	SCT	ISOL	ISOL				
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	SCT	SCT	SCT	ISOL	ISOL				
32	COASTAL KARNATAKA	ISOL	ISOL	FWS	WS	WS	SCT	SCT				
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT				
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	WS	FWS	SCT	SCT				
35	KERALA & MAHE	ISOL	SCT	SCT	FWS	WS	WS	WS				
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY				

• As the lead period increases forecast accuracy decreases.







Impact expected and action suggested due Heat Wave conditions over Saurashtra & Kutch on 31st March.

Orange alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- > High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- > Avoid heat exposure keep cool. Avoid dehydration.
- > Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

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 expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over central & south Peninsular India during 31st March-02nd April.

Impact expected:

- 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:

- 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.





Legends & abbreviations:

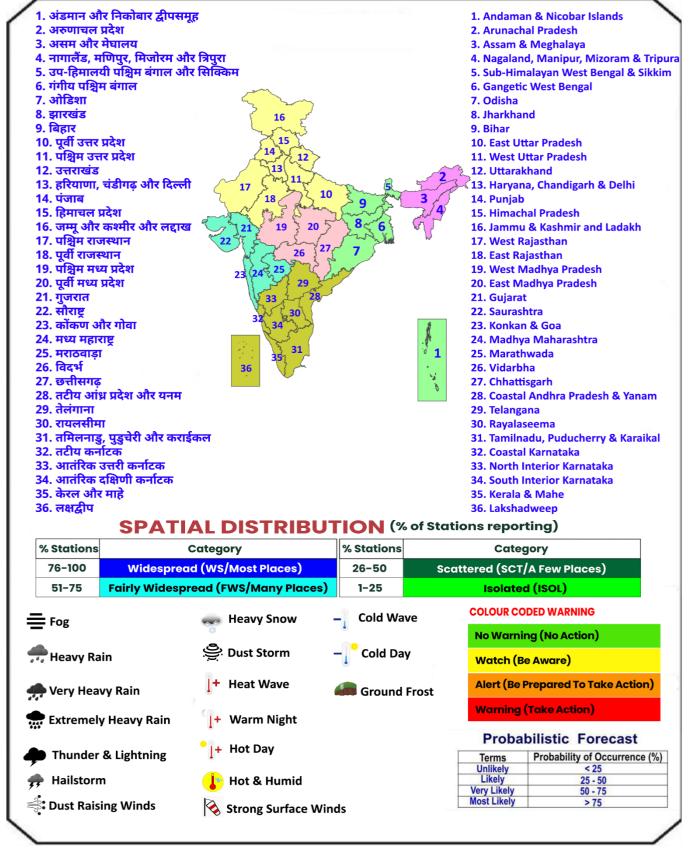
- Heavy Rain:64.5-115.5mm; Very Heavy Rain:115.6-204.4mm; Extremely Heavy Rain: >204.4mm.
- Obsy.: Observatory; AWS: Automatic Weather Station; ARG: Automatic Rain Gauge; dist.: District: NH: National Highway; KVK: Krishi Vigyan Kendra; DVC: Damodar Valley Corporation; PTO: Part Time Office, Aero: Aerodrome, IAF: Indian Air Force.
- * Region wise classification of meteorological Sub-Divisions:
 - Northwest India: Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - West India: Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.
 - South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

LEGENDS



* 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)





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Hot and Humid: When

Extremely heavy: > 2044 minutal 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: (b) Based on Actual maximum temperature Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 247°C (c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C to 6.4°C. Severe Heat Wave: When actual maximum temperature 247°C (c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5°C to -6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5°C to -6.4°C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0°C Cold Wave: When Minimum Temperature is ≤ 4.0°C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0°C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0°C. Cold Wave: When Minimum Temperature of a station ≤10°C for plains and ≤0°C for hilly regions <th>Extremely fleady: 2 does infinition When maximum temperature of a station reaches 240° C for plains and 230° C for hilly regions (a) Based on Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal 4.5° C Heat Wave: When actual maximum temperature 247°C. (b) Based on Actual maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 347°C. Warm Night Winn maximum temperature attrice from normal 4.5° C to 6.4 °C. Severe Warm Night: Winn minimum temperature departure 3-6.4 °C. Cold Wave: Minimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C When minimum Temperature Departure from normal 4.5 °C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Dav Cold Wave: Minimum Temperature 2.0 actual Minimum Temperature 15 4.0 °C Fog When minimum</th> <th>*</th> <th>Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm*</th>	Extremely fleady: 2 does infinition When maximum temperature of a station reaches 240° C for plains and 230° C for hilly regions (a) Based on Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal 4.5° C Heat Wave: When actual maximum temperature 247°C. (b) Based on Actual maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 247°C. (c). Criteria for heat wave for coastal stations from maximum temperature 347°C. Warm Night Winn maximum temperature attrice from normal 4.5° C to 6.4 °C. Severe Warm Night: Winn minimum temperature departure 3-6.4 °C. Cold Wave: Minimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature Departure from normal 4.5° C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C Cold Wave: Winnimum Temperature 15 4.0 °C When minimum Temperature Departure from normal 4.5 °C to 6.4 °C. Severe Cold Wave: When Minimum Temperature 15 4.0 °C Cold Dav Cold Wave: Minimum Temperature 2.0 actual Minimum Temperature 15 4.0 °C Fog When minimum	*	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm*
(a) Based on Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal 2.6.5° C (b). Based on Actual maximum temperature 345°C. Severe Heat Wave: When actual maximum temperature 247°C (c). Criteria for heat wave for coastal stations When maximum temperature 247°C. (c). Criteria for heat wave for coastal stations When maximum temperature 4.5°C to 6.4°C. (c). Severe Heat Wave: When actual maximum temperature 3.6°C to 6.4°C. Severe Heat Wave: When minimum temperature 4.5°C to 6.4°C. (c). Severe Wave: Minimum Temperature 3.6°C to 6.4°C. Severe Keat Wave: When minimum temperature 6.5°C to 6.4°C. (c). Severe Coid Wave: Minimum Temperature 10°C for plains and ≤0°C for hilly regions. (a) Based on actual Minimum Temperature Departure from normal 4.5°C to 6.4°C. (c). Severe Coid Wave: When Minimum Temperature 10°C for plains and ≤0°C for hilly regions. (b) Based on actual Minimum Temperature 10°C for plains and ≤0°C for hilly regions. (c) For Coastal Stations (b) Based on actual Minimum Temperature 10°C for plains and ≤0°C for hilly regions Based on departure (c) 0°C for the Minimum Temperature 10°C for plains and ≤0°C for hilly regions Based on departure Cold Wave: When Minimum Temperature Departure from normal 4.5°C to 6.4°C. (c). Severe Cold Day: Maximum Temperature 6.20 motres Diago Maximum Temperature departure is ≤4.5°C 8 actual Minimum Temperature 3.5°C (c) Got Wave: When Minimum Temperature 6.20°C<	Instant Wave: Maximum Temperature Departure from normal 4.6° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal 26.5° C (b). Based on Actual maximum temperature 247°C. Severe Heat Wave: When actual maximum temperature 247°C. Severe Heat Wave: When actual maximum temperature 247°C. Severe Heat Wave: When actual maximum temperature 247°C. (c). Criteria for heat wave for coastal stations When maximum temperature departure 15.4°°C from normal. Heat Wave may be described provided maximum temperature 37°C Warm Night When maximum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure 1.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal 4.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature departure 1.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature 1.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature 1.5°C to 6.4°C. Severe Cold Wave: When Minimum Temperature 1.5°C to 6.4°C. Severe Cold Wave: Minimum Temperature 1.5°C to	Rain/ Snow *	Extremely Heavy: > 204.4 mm/cm *
First Wave: Musimum Temperature Departure from normal 4.6* C to 6.4* C. Severe Heat Wave: Musimum Temperature 2470: Bet Wave: When actual maximum temperature 2470: Severe Heat Wave: When actual maximum temperature 2470: Severe Warm Night When maximum temperature departure 45.5*C to 6.4*C. Severe Warm Night: When minimum temperature departure 45.5*C to 6.4*C. Severe Warm Night: When minimum temperature departure 45.5*C to 6.4*C. Severe Ward Wave: Minimum Temperature Departure from normal 4.5.5*C to 6.4*C. Severe Cold Wave: When Minimum Temperature 16 or Plains and 50*C for hilly regions. (a) Based on actual Minimum Temperature is 5.4.0.*C Severe Cold Wave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Beavere Cold Wave: Winn Minimum T	First Wave: Musimum Temperature Departure from normal 4.6* C to 6.4* C. Severe Heat Wave: Musimum Temperature 2470: Bet Wave: When actual maximum temperature 2470: Severe Heat Wave: When actual maximum temperature 2470: Severe Warm Night When maximum temperature departure 45.5*C to 6.4*C. Severe Warm Night: When minimum temperature departure 45.5*C to 6.4*C. Severe Warm Night: When minimum temperature departure 45.5*C to 6.4*C. Severe Ward Wave: Minimum Temperature Departure from normal 4.5.5*C to 6.4*C. Severe Cold Wave: When Minimum Temperature 16 or Plains and 50*C for hilly regions. (a) Based on actual Minimum Temperature is 5.4.0.*C Severe Cold Wave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Cold Dave: When Minimum Temperature is 5.4.0.*C Beavere Cold Wave: Winn Minimum T		
Heat Wave (b). Based on Actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Call Severe Wave: Mark and wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature >33°C Warm Night When maximum temperature departure 4.5°C for 0.6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Cold Wave When maximum temperature departure >6.4°C. Severe Call Wave: Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: Winnimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature is ≤ 4.0°C Severe Call Wave: When Minimum Temperature is ≤ 2.0°C (c) For Coastal Stations When Minimum Temperature is ≤ 4.5°C to -6.4°C. Severe Call Wave: Winnimum temperature of a station s10°C for plains and s20°C for hilly regions Based on departure Cald Day: Maximum Temperature Departure from normal -6.5°C to -6.4°C. Severe Cald Day: Maximum Temperature Departure from normal -6.5°C Severe Cald Day: Maximum Temperature 20°C Severe Cald Day: Maximum Temperature 3.5°C to -6.4°C. Severe Cald Day: Maximum Temperature 3.5°C to -6.4°C. Severe Cald Day: Maximum Temperature 5.5°C to more severe Sev	Heat Wave (b). Based on Actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Heat Wave: When actual maximum temperature 245°C. Severe Call Severe Wave: Mark and wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature >33°C Warm Night When maximum temperature departure 4.5°C for 0.6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Cold Wave When maximum temperature departure >6.4°C. Severe Call Wave: Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: Winnimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature Departure from normal -6.5°C to -6.4°C. Severe Call Wave: When Minimum Temperature is ≤ 4.0°C Severe Call Wave: When Minimum Temperature is ≤ 2.0°C (c) For Coastal Stations When Minimum Temperature is ≤ 4.5°C to -6.4°C. Severe Call Wave: Winnimum temperature of a station s10°C for plains and s20°C for hilly regions Based on departure Cald Day: Maximum Temperature Departure from normal -6.5°C to -6.4°C. Severe Cald Day: Maximum Temperature Departure from normal -6.5°C Severe Cald Day: Maximum Temperature 20°C Severe Cald Day: Maximum Temperature 3.5°C to -6.4°C. Severe Cald Day: Maximum Temperature 3.5°C to -6.4°C. Severe Cald Day: Maximum Temperature 5.5°C to more severe Sev		
Heat Wave: When actual maximum temperature 247°C. Severe Heat Wave: When actual maximum temperature 247°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 : 237°C. Warm Night: When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure 5.6°C for plains and 50°C for hilly regions. (a). Based on departure. (b) Based on actual Minimum Temperature for Departure from normal 4.5°C to -6.4°C. Severe Cold Wave: Minimum Temperature (for Plains and 50°C for hilly regions. (b) Based on actual Minimum Temperature is 5.4.0°C Severe Cold Wave: When Minimum Temperature is 5.2.0°C. (c) GFor Coastal Stations When Minimum Temperature 0 a station 5.10°C for plains and 50°C for hilly regions Based on departure (c) GFor Coastal Stations When Minimum Temperature 0 a station 5.10°C for plains and 50°C for hilly regions Based on departure Cold Day Moderate Fog: When the visibility between 50°-200 metres Dame Fog: When the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres<	Heat Wave: When actual maximum temperature 247°C. Severe Heat Wave: When actual maximum temperature 247°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 : 237°C. Warm Night: When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure 5.6°C for plains and 50°C for hilly regions. (a). Based on departure. (b) Based on actual Minimum Temperature for Departure from normal 4.5°C to -6.4°C. Severe Cold Wave: Minimum Temperature (for Plains and 50°C for hilly regions. (b) Based on actual Minimum Temperature is 5.4.0°C Severe Cold Wave: When Minimum Temperature is 5.2.0°C. (c) GFor Coastal Stations When Minimum Temperature 0 a station 5.10°C for plains and 50°C for hilly regions Based on departure (c) GFor Coastal Stations When Minimum Temperature 0 a station 5.10°C for plains and 50°C for hilly regions Based on departure Cold Day Moderate Fog: When the visibility between 50°-200 metres Dame Fog: When the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres Duese Fog: when the visibility between 50°-200 metres<		
Severe Heat Wave: When actual maximum temperature 247°C (c) Criteria for heat wave for coast 1 stations When maximum temperature is >4.5°C from normal. Heat Wave may be described provided maximum temperature: 237°C Warm Night When maximum temperature remains 40°C Warm Night: When minimum temperature departure >6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal -6.5 °C (b) Based on actual Minimum Temperature Departure from normal -6.5 °C (c) Cr Cold Wave: When Minimum Temperature is \$ 2.0 °C (c) Cr Coostal Stations When Minimum Temperature departure is \$ 2.0 °C (c) Gr Coastal Stations When Minimum Temperature Departure from normal -6.5 °C Moderate Fog: When Minimum Temperature for normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure for normal -6.5 °C Moderate Fog: When Minimum Temperature for normal -6.5 °C Cold Day: Maximum Temperature Departure from normal -6.5 °C Based on departure Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1 km	Severe Heat Wave: When actual maximum temperature 247°C (c) Criteria for heat wave for coast 1 stations When maximum temperature is >4.5°C from normal. Heat Wave may be described provided maximum temperature: 237°C Warm Night When maximum temperature remains 40°C Warm Night: When minimum temperature departure >6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal -6.5 °C (b) Based on actual Minimum Temperature Departure from normal -6.5 °C (c) Cr Cold Wave: When Minimum Temperature is \$ 2.0 °C (c) Cr Coostal Stations When Minimum Temperature departure is \$ 2.0 °C (c) Gr Coastal Stations When Minimum Temperature Departure from normal -6.5 °C Moderate Fog: When Minimum Temperature for normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure for normal -6.5 °C Moderate Fog: When Minimum Temperature for normal -6.5 °C Cold Day: Maximum Temperature Departure from normal -6.5 °C Based on departure Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1 km	Heat Wave	•
Wrien maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature exparture 4.5°C to 6.4°C. Warm Night When maximum temperature remains 40°C Warm Night When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Severe Warm Night: When minimum temperature departure 5.4°C. Cold Wave: Whon minimum temperature of a station <10°C for plains and ≤0°C for hilly regions. Cold Wave: Cold Wave: Niminum Temperature Departure from normal <4.5°C to 6.4°C. Severe Cold Wave: Niminum Temperature box normal. 4.5°C to 6.4°C. Severe Cold Wave: When Minimum Temperature form normal <4.5°C to 70°C Cold Severe Cold Wave: Whon Minimum Temperature form normal <4.5°C to 70°C Cold Day Even Minimum Temperature of a station <10°C for plains and <0°C for hilly regions Based on departure Severe Cold Day: Cold Day Even Minimum Temperature Departure from normal <4.5°C to 70°C for hilly regions Based on departure Severe Cold Day: Fog Phenomenon of small droplets suspended in air and the horizontal visibility <1km Moderate Fog: When the visibility between 50-200 metres Phenomenon Second (future) Dense Fog: when the visibility between 50-200 metres Phenomenon Dense Fog: when the visibility Setween 50-200 metres<	Wrien maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature exparture 4.5°C to 6.4°C. Warm Night When maximum temperature remains 40°C Warm Night When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure >6.4°C. Severe Warm Night: When minimum temperature departure 5.4°C. Cold Wave: Whon minimum temperature of a station <10°C for plains and ≤0°C for hilly regions. Cold Wave: Cold Wave: Niminum Temperature Departure from normal <4.5°C to 6.4°C. Severe Cold Wave: Niminum Temperature box normal. 4.5°C to 6.4°C. Severe Cold Wave: When Minimum Temperature form normal <4.5°C to 70°C Cold Severe Cold Wave: Whon Minimum Temperature form normal <4.5°C to 70°C Cold Day Even Minimum Temperature of a station <10°C for plains and <0°C for hilly regions Based on departure Severe Cold Day: Cold Day Even Minimum Temperature Departure from normal <4.5°C to 70°C for hilly regions Based on departure Severe Cold Day: Fog Phenomenon of small droplets suspended in air and the horizontal visibility <1km Moderate Fog: When the visibility between 50-200 metres Phenomenon Second (future) Dense Fog: when the visibility between 50-200 metres Phenomenon Dense Fog: when the visibility Setween 50-200 metres<		
Warm Night: Warm Night: When minimum temperature departure 3.5 °C to 6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Cold Wave Cold Wave: Minimum Temperature Departure from normal 4.5 °C to 6.4 °C. Cold Wave Diased on departure Cold Wave: When minimum Temperature Departure from normal 4.5 °C to 6.4 °C. Severe Cold Wave: 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 of a station ±0°C for plains and ±0°C for hilly regions Based on departure Severe Cold Awave: When Minimum Temperature is ± 0.9 °C. Cold Day Warm Minimum Temperature of a station ±10°C for plains and ±0°C for hilly regions Based on departure Severe Cold Awave Maximum Temperature Departure from normal ± 6.5 °C Cold Day Mediamium Temperature Operature from normal ± 6.5 °C Based on departure Severe Cold Awave Based on departure Mediamium Temperature for normal ± 4.5 °C to -6.4 °C. Severe Severe Wind Maximum Temperature for normal ± 6.5 °C Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1k	Warm Night: Warm Night: When minimum temperature departure 3.5 °C to 6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C. Cold Wave (a) Based on departure (a) Based on departure of a station ±10°C for plains and ±0°C for hilly regions. (b) Based on actual Minimum Temperature Departure from normal ±6.5 °C (b) Based on actual Minimum Temperature (for Plains only) Cold Wave: When Minimum Temperature is ±0.9 °C. (c) For Coastal Stations When Minimum Temperature is ±0.9 °C. Cold Day Cold Wave: When Minimum Temperature is ±0.9 °C. (c) For Coastal Stations When Minimum Temperature of a station ±10°C for plains and ±0°C for hilly regions Based on departure Cold Day: Maximum Temperature of a station ±10°C for clains and ±0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal ±-6.5 °C. Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Mederate Fog: When the visibility Detween 50-200 metres Dense Fog: When the visibility Detween 50-200 metres Urey Dense Fog: when the visibility Detween 50-200 metres Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Sequall Severe: Wind speed 52.47 kmph Very Severe: Vind speed 52.47 kmph Very S		When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum
Severe Warm Night: When minimum temperature departure >64 °C. When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure: Cold Wave: When minimum temperature Departure from normal ≤4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal ≤ 4.5 °C (b) Based on actual Minimum Temperature is ≤ 4.0 °C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0 °C. Cold Wave: When Minimum Temperature is ≤ 4.0 °C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0 °C. (c) For Coastal Stations When Minimum Temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure Cold Day Cold Day: Maximum Temperature Departure from normal ≤ 6.5 °C. Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres Dense Fog: when the visibility < 50 metres Dust/Sand An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Sequall Ce deposits on ground LAr temperature 54°C (over Plains) Severe: Wind speed 5	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: When minimum temperature Departure from normal ≤ 4.5 °C to -0.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal ≤ 4.5 °C (b) Based on actual Minimum Temperature is ≤ 4.0 °C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0 °C. Severe Cold Wave: When Minimum Temperature is ≤ 4.0 °C. Codd Day Cord Stations When Minimum Temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure Cold Day Maximum Temperature Departure from normal ≤ 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ 6.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Dense Fog: when the visibility < 50 metres Dust/Sand An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Sequal Astrong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind s		When maximum temperature remains 40°C
Cold Wave: When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a): Based on departure Edid Wave: Minimum Temperature Departure from normal <4.5 °C to -6.4 °C.	Cold Wave: 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. Severe Cold Wave: Minimum Temperature (for Plains only) Cold Wave: When Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Cold Day Cold Wave: Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Severe Cold Wave: When Minimum Temperature is ± 0.9 °C. Cold Day Maximum Temperature of a station ±10°C for plains and ±0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal ± 6.5 °C. Cold Day Cold Day: Maximum Temperature Departure from normal ± 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Socono metres Moderate Fog: When the visibility between 500-200 metres Phenomenon of small droplets suspended in alir and the horizontal visibility < 1km	Warm Night	
(a). Based on departure Cold Wave: Minimum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature to penture from normal 4.5 °C to -6.4 °C. Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Cold Day Cold Day: Maximum Temperature of a station 510°C for plains and 50°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe: Sevent net visibility between 50-200 metres Dense Fog: When the visibility between 50-200 metres Dust/Sand An ensemble of particles of dust or sand energetically lifted to great height	(a). Based on departure Cold Wave: Minimum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature to penture from normal 4.5 °C to -6.4 °C. Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Severe Cold Wave: When Minimum Temperature is 5 4.0 °C Cold Day Cold Day: Maximum Temperature of a station 510°C for plains and 50°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe: Sevent net visibility between 50-200 metres Dense Fog: When the visibility between 50-200 metres Dust/Sand An ensemble of particles of dust or sand energetically lifted to great height		Severe Warm Night. When minimum temperature departure >0.4 °C.
Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C (b) Based on actual Minimum Temperature (for Plains only) Cold Wave: When Minimum Temperature (s ≤ 4.0 °C Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C (c) For Coastal Stations When Minimum Temperature 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 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	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C (b) Based on actual Minimum Temperature (for Plains only) Cold Wave: When Minimum Temperature (s ≤ 4.0 °C Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C (c) For Coastal Stations When Minimum Temperature 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 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		
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 is ≤ 2.0 °C (c) For Coastal Stations When Minimum Temperature is ≤ 2.0 °C Cold Day Cold Day: Maximum Temperature of a station ≤ 10°C for plains and ≤0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility -1 kmm Moderate Fog: When the visibility between 50- 200 metres Dense Fog: when the visibility -50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand <	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 is ≤ 2.0 °C (c) For Coastal Stations When Minimum Temperature is ≤ 2.0 °C Cold Day Cold Day: Maximum Temperature of a station ≤ 10°C for plains and ≤0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility - 14 mm Moderate Fog: When the visibility between 50- 200 metres Dense Fog: when the visibility -50 metres Thunderstorm Storm Sudden elec		
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 of a station \$ 2.0 °C (c) For Coastal Stations When Minimum Temperature of a station \$ 10°C for plains and \$ 0°C for hilly regions 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 4.5 °C Fog Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 500-200 metres Dense Fog: when the visibility between 500-200 metres Very Dense Fog: when the visibility > 50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature 54°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-81 kmph Very Severe: Wind speed 52-87 kmph Very Severe: Wind speed 52-87 kmph Very Sever	Cold Wave : When Minimum Temperature is ≤ 4.0 °C Severe Cold Wave : When Minimum Temperature is ≤ 4.0 °C (c) For Coastal Stations When Minimum Temperature of a station s 10°C for plains and ≤0°C for hilly regions Based on departure Cold Day Cold Day: Maximum Temperature of a station s 10°C for plains and ≤0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: When the visibility between 500-200 metres Dense Fog: When the visibility between 500-200 metres Dense Fog: When the visibility between 50-200 metres Dense Fog: When the visibility of the terms Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling soudd (thunder) Dust/Sand An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Sequall Severe Wind speed 52-61 kmph Severe Wind speed 62-87 kmph	Cold Wave	
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 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 Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility 50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground [Air temperature ≤4°C (over Plains)] A strong wind that rises suddenly, lasts for atleast 1 minute. [Moderate: Wind speed 52-81 kmph] Very Severe: Wind speed 52-87 kmph] Sea State Rough to very rough: Wind speed 63-117 kmph (24-63 knots) & Wave height 2-14 metre Phenomenal: Wind speed 62-87 kmph (2-33 knots) & Wave height 2-14 metre Phenomenal: Wind speed 62-87 kmph (2+33 knots) & Wave height 5-14 metre Phenomenal: Wind speed 62-87 kmph (2+63 knots) Cyclone Cyclonic Storm: Wind speed 62-87 kmph (2+63 knots) <td>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 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 -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</td> Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres	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 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 -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		
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 Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Wind speed 50-20 Kopt Maximum Temperature Severe	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 Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 5.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility < 1km		
Cold Day When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal <4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility <1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility of the set	Cold Day When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres		
Based on departure Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility of the second	Based on departure Example 1 Cold Day Cold Day: Maximum Temperature Departure from normal 4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal 5 -6.5 °C Fog Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature 54°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Sever		
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 Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility of 50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground [Air temperature ≤4°C (over Plains)] A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-81 kmph Severe: Wind speed 52-87 kmph Very Severe: Wind speed 52-87 kmph Very Severe: Wind speed 52-87 kmph Very Severe: Wind speed 53-117 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 63-117 kmph (34-63 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 2.1-4 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 62-87 kmph (90-119 knots)	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 Phenomenon of small droplets suspended in air and the horizontal visibility < 1km	Fog Phenomeno of small droplets suspended in air and the horizontal visibility < 1km	Cold Day	
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 Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground (Air temperature ≤4*C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Very Severe: Wind speed 52-63 rkmph Sequall Effect of various waves in the sea over specific area Rough to very rough: Wind speed 3-817 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 3-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 5-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wi	Fog Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 43-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 51-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 k		Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C
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 Thunderstom Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4*C (over Plains) Squall Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-61 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 41-62 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 52-81 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (34-63 knots) Very Severe Cyclonic Storm: Wind speed 62-87 kmph (34-17 kmph (48-63 knots))	Fog Moderate Fog: When the visibility between 50-200 metres Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres Thunderstorm Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (34-63 knots) & Wave height 2.5-6 metre High to very rough: Wind speed 43-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 51-117 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 51-17 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 knots) & Wave height 2.5-6 metre Phenomenal: Wind speed 52-87 kmph (34-63 k		Phenomenon of small droplets suspended in air and the horizontal visibility < 1km
Very Dense Fog: when the visibility < 50 metres	Very Dense Fog: when the visibility < 50 metres	_	
Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Sea State Rough to very rough: Wind speed 43-117 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (>63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 82-117 kmph (48-63 knots) Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 116-6220 kmph (90 -119 knots)	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Effect of various waves in the see over specific area Rough to very rough: Wind speed 41-62 kmph (32-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 118-165 kmph (90 - 119 knots) Extremely Severe Cyclonic Storm: Wind speed 118-165 kmph (90 - 119 knots)	Fog	
Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature 54°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Very Severe: Wind speed 52-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 51-117 kmph (>63 knots) & Wave height 14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 117 kmph (48-63 knots) Severe Cyclonic Storm: Wind speed 18-117 kmph (48-63 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (94-19 knots) Severe Cyclonic Storm: Wind speed 18-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 18-105 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 - 119 knots)	Dust/Sand Storm An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 52-87 kmph Very Severe: Wind speed 587 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (32-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 118-165 kmph (46-38 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (90 -119 knots)		Very Dense Fog. when the visibility < 30 metres
Storm turbulent wind. Frost Ice deposits on ground [Air temperature ≤4°C (over Plains) Air temperature ≤4°C (over Plains) Astrong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Severe: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (34-63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (44-74 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Storm turbulent wind. Frost Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Seca State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 68-117 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Frost Air temperature ≤4°C (over Plains) Air temperature ≤4°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (54 shots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Frost Air temperature ≤4°C (over Plains) Air temperature ≤4°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (34-47 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 166-220 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)		
Frost Air temperature ≤4°C (over Plains) Air temperature ≤4°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (54 shots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Frost Air temperature ≤4°C (over Plains) Air temperature ≤4°C (over Plains) Squall A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (34-63 knots) & Wave height >14 metre Phenomenal: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots) Extremely Severe Cyclonic Storm: Wind speed 116-220 kmph (90 -119 knots)		Ice deposits on ground
Squall Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 41-62 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (>63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 166-220 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Squall Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Severe: Wind speed 52-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (>63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 116-220 kmph (90 -119 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Frost	
Squall Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Yery Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Yery Severe: Wind speed 62-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Squall Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed 52-61 kmph Severe: Wind speed 52-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (>63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 116-220 kmph (90 -119 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)		
Squall Severe: Wind speed 62-87 kmph Very Severe: Wind speed 587 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (53 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (64-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Squall Severe: Wind speed 62-87 kmph Very Severe: Wind speed 62-87 kmph Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 62-87 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)		
Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclone Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Sea State Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Squall	
Sea State Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 188-117 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Sea State Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed 63-117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 68-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 188-117 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)		Very Severe: Wind speed >87 kmph
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 Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	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 Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 68-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)		Effect of various waves in the sea over specific area
Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Sea State	
Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Oca Otate	
Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	/	
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)	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)		
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)	Cyclone	
Super Cyclone Strom: Wind speed >220 kmph (>119 knots)	Super Cyclone Strom: Wind speed >220 kmph (>119 knots)		
			Super Cyclone Strom: Wind speed >220 kmph (>119 knots)
B			

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