

Government of India Ministry of Earth Sciences India Meteorological Department



Press Release Date: 16th October, 2025 Time of Issue: 1315 hours IST

Subject: (i) Southwest monsoon has withdrawn from the entire country today, the 16th October, 2025. Simultaneously, the Northeast Monsoon rainfall activity has commenced over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka and Kerala-Mahe today, the 16th October.

(ii) Enhanced rainfall activity with isolated heavy to very heavy falls likely to continue over Kerala, Tamil Nadu and Puducherry during next 7 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 16th October, 2025:

- Heavy to very heavy rainfall (7-20 cm) has been recorded at isolated places over Tamil Nadu.
- Heavy rainfall (7-11 cm) has been recorded at isolated places over Konkan & Goa.
 For more details of realised weather, kindly refer ANNEXURE I.

Withdrawal of Southwest Monsoon: (ANNEXURE II)

- Southwest monsoon has withdrawn from the entire country today, the 16th October, 2025. Simultaneously, the Northeast Monsoon rainfall activity has commenced over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka and Kerala-Mahe today, the 16th October, in association with following features:
 - (a) An upper air cyclonic circulation lies over Comorin area & neighbourhood extending upto mid tropospheric levels.
 - (b) Easterly/northeasterly winds set-in over southern peninsular India, south& adjoining central Bay of Bengal in the lower tropospheric levels,
 - (c) Fairly widespread rainfall occurred over Tamil Nadu, Puducherry & Karaikal and adjoining area of south Coastal Andhra Pradesh and Kerala during the past 24 hrs. Rainfall also occurred at a few places over Rayalaseema and adjoining areas of South Interior Karnataka during the same period.
 - (d) Isolated heavy to very heavy rainfall occurred over Tamilnadu during the same period.

Weather Systems, Forecast and Warnings (refer to Annexure III & IV):

❖ An upper air cyclonic circulation lies over southeast Arabian Sea & adjoining Lakshadweep area in the lower & middle tropospheric levels tilting southwards with height. Under its influence, a low-pressure area is likely to form over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts around 19th October, 2025. Thereafter, it is likely to move west northwestwards and intensify into a depression during subsequent 48 hours.

Under the influence of these systems, the following weather is likely:

South Peninsular India:

- Light to moderate rain/thunderstorm at some/isolated places with isolated **heavy rainfall** over Tamil Nadu Kerala & Mahe during 16th -22st; Lakshadweep, South Interior Karnataka during 16th -19th; Coastal Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 16th & 17th; North Interior Karnataka on 16th October; with **very heavy rainfall** over Tamil Nadu, Kerala & Mahe and Lakshadweep on 16th & 17th October.
- ❖ Thunderstorm with lightning over the region for next 5 days.

East India:

Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) over south Odisha on 16th October.

West India:

❖ Thunderstorm with lightning over Konkan & Goa and Madhya Maharashtra on 16th & during 18th -20th; Marathawada on 16th October.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 16^{th} October to 21^{st} October:

Arabian Sea:

Lakshadweep, Maldives, Comorin areas, during 16th to 21st October; along and off Kerala coast during 16th to 21st October; along and off Karnataka coast during 17th to 21st October; southeast Arabian Sea during 17th to 21st October; some parts of southwest, eastcentral Arabian Sea on 19th & 20th October.

Bay of Bengal:

- Along and off Tamil Nadu coast and adjoining south Andhra Pradesh coasts on 16th & 17th October.
- ➤ Gulf of Mannar during 16th to 21st October.
- Few southern parts of south Bay of Bengal on 20th October.

ii. Weather conditions and forecast over Delhi/NCR during 16th to 19th October, 2025 (Annexure V)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all india forcast bulletin.php

For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

For Fishermen warning refer https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php

ANNEXURE I

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 16th October (≥ 7cm):

Tamil Nadu, Puducherry & Karaikal: Tiruchendur (dist Toothukudi), Kayalpattinam (dist Toothukudi) 15 Each; Thiruchendur AWS (dist Toothukudi) 13; Tuticorin (dist Toothukudi), Tuticorin Rly ARG (dist Toothukudi), Arcot (dist Ranipet) 9 Each; Satankulam (dist Toothukudi) 8; Nanguneri (dist Tirunelveli), Nambiyar Dam (dist Tirunelveli) 7 Each:

Konkan & Goa: Vaibhavwadi (dist Sindhudurg) 7.

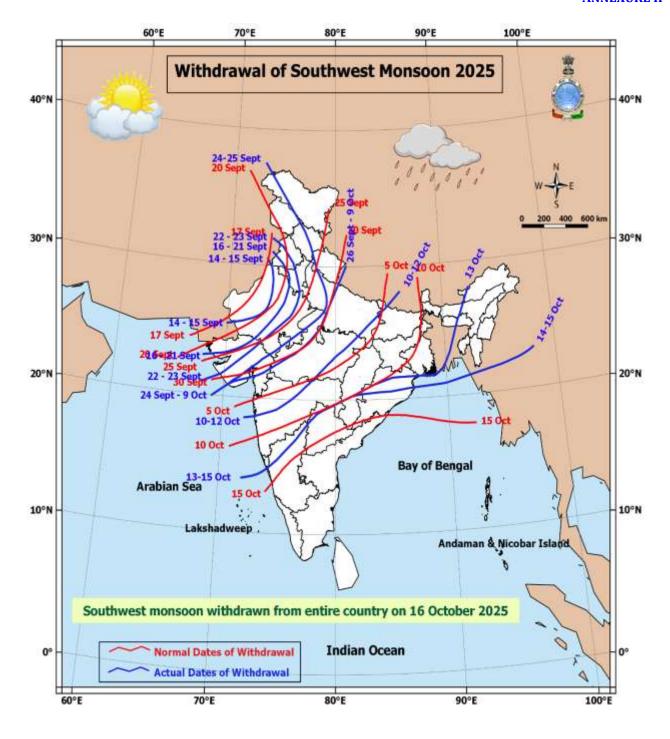
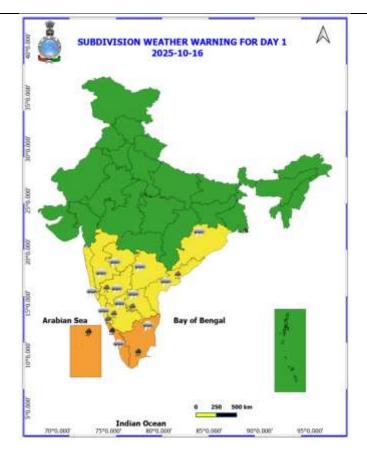
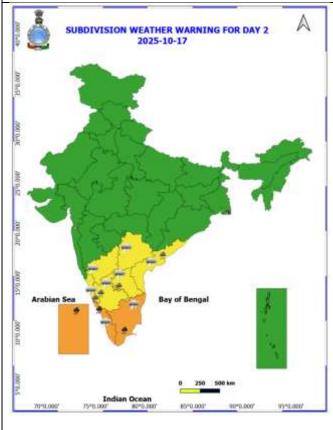


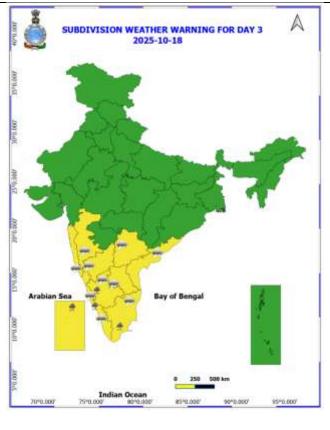
Table-1								
-	7 Days Rainfa		-				11 11	
S.No.	Subdivision	Section 1			19- Oct			30.000.000.000
	W-02045 500 900 500 500 500 500 500 500 500 50	Day 1	Day 2	Day 3	Day 4	Day 5		Day 7
- 1	ANDAMAN & NICOBAR ISLANDS	SCT			FWS	FWS		
2	ARUNACHAL PRADESH	DRY	The second second second	and the second second		DRY		
	ASSAM & MEHGHALAYA	ISOL				DRY	ISOL	
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	ISOL		ISOL	
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	DRY	ISOL	ISOL	DRY	DRY	ISO
6	GANGETIC WEST BENGAL	DRY			ISOL	DRY	DRY	DR
7	ODISHA	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISO
8	JHARKHAND	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DR
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DR'
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DR'
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DR'
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DR
	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DR'
15	HIMACHAL PRADESH	DRY	-	DRY	DRY	DRY	DRY	DR
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY		DRY	ISOL	ISOL	DR
17	WEST RAJASTHAN	DRY		DRY	DRY	DRY	DRY	DR'
18	EAST RAJASTHAN	DRY		DRY	DRY	DRY	DRY	DRY
	WEST MADHYA PRADESH	ISOL	The second second	DRY	DRY	DRY	ISOL	ISO
20		ISOL	ISOL	DRY	DRY	DRY	ISOL	ISO
21	GUJRAT REGION	ISOL		and the second s	DRY	ISOL	ISOL	ISO
22	SAURASHTRA & KUTCH	DRY	Company of the Assistance		DRY	DRY	DRY	
		ISOL			ISOL	ISOL	ISOL	ISO
24	The state of the s	ISOL		ISOL	ISOL	ISOL	ISOL	ISO
25		ISOL				ISOL	ISOL	
	Total Control (No. 1975)	ISOL	The second second			DRY	DRY	
27	CHHATTISGARH	ISOL			ISOL	ISOL	ISOL	ISO
-	COASTAL ANDHRA PRADESH	SCT	The second secon		FWS	FWS	FWS	
29		ISOL			ISOL	ISOL		ISO
30	NAME OF TAXABLE PARTY O	SCT				FWS	FWS	
31	TAMILNADU & PUDUCHERRY	FWS				SCT		SC
32	COSTAL KARNATAKA	FWS						
33		ISOL		SCT	SCT	SCT		
	SOUTH INTERIOR KARNATAKA	FWS		SCT	SCT	FWS	FWS	
	KERALA AND MAHE	PWS	I VVS	901	201	1 442	FWS	
-	LAKSHADWEEP		11/0	17.0	- 17.0		FWS	

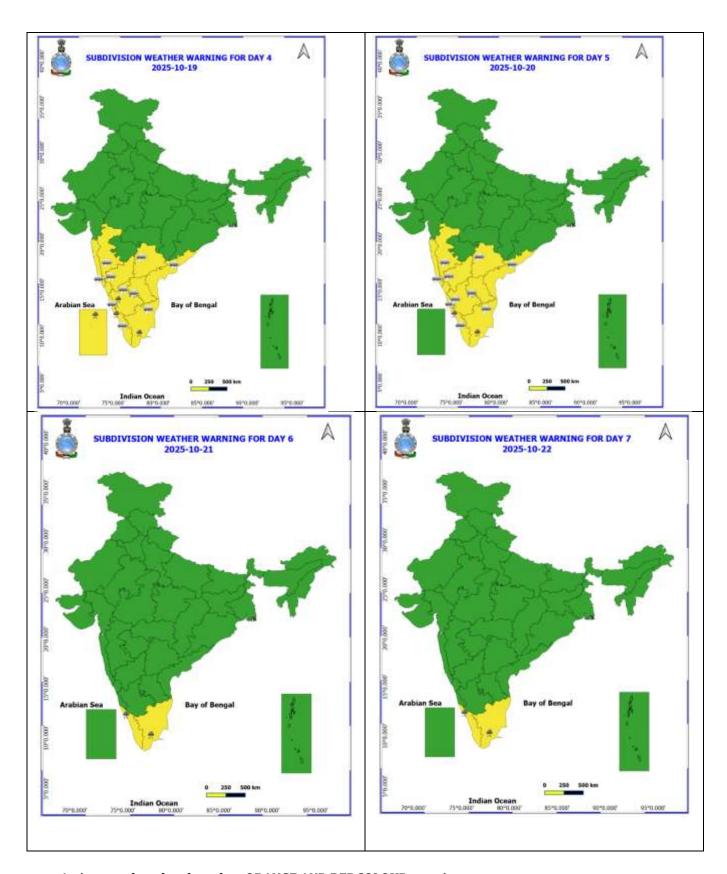
• As the lead period increases forecast accuracy decrease.

ANNEXURE IV









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

DetaileddistrictwiseMultiHazardweatherwarningfornextfivedaysavailableat https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

Weather forecast over Delhi/NCR during 16th to 19th October 2025

Past Weather:

There has been no large change in the minimum and maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 30 to 32° C and 17 to 18° C respectively. The minimum temperature was below normal up to $1-3^{\circ}$ C and maximum temperature was below normal up to $1-2^{\circ}$ C. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speeds up to 10 kmph prevailed during the past 24 hours. Mainly clear sky conditions with calm wind in early morning hours as gradually increase becoming up to 10 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

16.10.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C. The maximum temperature will be below normal up to 1 - 2°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10 -15 kmph during afternoon hours. The wind speed will decrease becoming less than 12 kmph from the north direction during the evening and night.

17.10.2025: Mainly clear sky. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34° C and 17 to 19° C respectively. The minimum temperature will be below normal up to 1 – 2° C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10 kmph during morning hours. The wind speed will gradually increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northeast direction during the evening and night.

18.10.2025: Mainly clear sky. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 18 to 20°C respectively. The minimum temperature will be near normal and the maximum temperature will be near normal. The predominant surface wind will likely to be from the west direction with a wind speed of up to 06 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the north direction in the afternoon. The wind speed will gradually decrease becoming less than 12 kmph from the north direction during the evening and night.

19.10.2025: Smog/shallow fog is likely at many places during morning hours becoming mainly clear sky with mist/haze from noon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 19 to 21°C respectively. The minimum temperature will be near normal and the maximum temperature will be near normal. The predominant surface wind will likely to be from the northeast direction with a wind speed of up to 06 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the north direction in the afternoon. The wind speed will gradually decrease becoming less than 06 kmph from the northeast direction during the evening and night.

Impact & Action Suggested due to

❖ Very heavy rainfall over Tamil Nadu, Kerala & Mahe and Lakshadweep on 16th & 17th October.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- > Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- > Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- > Damage to horticulture and standing crops in some areas due to inundation.
- ➤ It may lead to riverine flooding in some river catchments mainly over Bihar, Jharkhand and West Bengal (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- > Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Heavy Rainfall

- ➤ In **Tamil Nadu**, store the harvested produce of rice and groundnut in safer places. Provide adequate drainage facilities in fields of rice, cotton, turmeric, garlic, ginger and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation.
- In **Kerala**, make provision to drain out excess water from fields of rice and plantations of banana, coconut, arecanut and black pepper.
- ➤ In **Coastal Karnataka**, undertake harvesting of arecanut and cocnut and keep the harvested produce at safer places. In **South Interior Karnataka**, keep the harvested produce of groundnut, maize pepper, cardamom, turmeric and coffee to dry, covered and ventilated areas or cover with tarpaulins in the fields. Make necessary arrangements to drain out excess water from fields of rice, maize, finger millet, pigeon pea, soybean, groundnut and vegetables and plantations of banana, black pepper, coconut and arecanut to avoid waterlogging.
- ➤ In **Coastal Andhra Pradesh**, provide adequate drainage facilities in fields of rice, maize, pigeon pea, black gram, green gram, groundnut, turmeric, ginger, vegetables and plantations of coconut, arecanut, banana, coffee and black pepper.
- ➤ In **Rayalseema**, maintain proper drainage in fields of rice, groundnut, cotton, turmeric and vegetables.

Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- > Store feed and fodder in a safe place to prevent spoilage.
- > Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

- > Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.
- > Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.

Legends & abbreviations:

- **♦ Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- Obsy: Observatory; 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.



32. तटीय कर्नाटक

35. केरल और माहे

36. लक्षद्वीप

% Stations

33. आतंरिक उत्तरी कर्नाटक

34. आतंरिक दक्षिणी कर्नाटक

Dust Raising Winds

Category

राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

LEGENDS



34. South Interior Karnataka 35. Kerala & Mahe

33. North Interior Karnataka

32. Coastal Karnataka

36. Lakshadweep

Category

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations

76-100	Widespre	ad (WS/Most Places)	26-50	Scattered (SC1	/A Few Places)			
51-75	Fairly Widesp	read (FWS/Many Places)	1-25	isolate	isolated (ISOL)			
Fog		Heavy Snow	Cold Wav	e COLOUR C	ODED WARNING			
			1	No Warn	No Warning (No Action)			
🥋 Heavy Rain		Dust Storm -	Cold Day	Watch (I	Watch (Be Aware)			
PVery Heavy Rain		+ Heat Wave	Ground F	rost Alert (Be	Alert (Be Prepared To Take Action)			
Extremel	y Heavy Rain	+ Warm Night		Warning	Warning (Take Action)			
Thunder	& Lightning	+ Hot Day		Proba	Probabilistic Forecast Terms Probability of Occurrence (%)			
🗭 Hailstorr	51 5	P Hot & Humid	Hot & Humid		< 25 25 - 50			

Strong Surface Winds





	Heavy: 64.5 to 115.5 mm/cm *
Rain/ Snow *	Very Heavy: 115.8 to 204.4 mm/cm*
Kanir Snow	Extremely Heavy: > 204.4 mm/cm *
	When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions (a) Based on Departure from normal
	Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C.
	Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C
Heat Wave	(b). Based on Actual maximum temperature
	Heat Wave: When actual maximum temperature ≥45°C. Severe Heat Wave: When actual maximum temperature ≥47°C
	(c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C
	When maximum temperature remains 40°C
Warm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C.
	Severe Warm Night: When minimum temperature departure >6.4 °C.
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C.
Coldina	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
Cold Wave	(b) Based on actual Minimum Temperature (for Plains only)
	Cold Wave: When Minimum Temperature is ≤ 4.0 °C
	Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C
	(c) For Coastal Stations When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
2.000.2110.00.2	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
120	Moderate Fog: When the visibility between 500-200 metres
Fog	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
riost	Air temperature ≤4°C (over Plains)
	A strong wind that rises suddenly, lasts for atleast 1 minute.
	Moderate: Wind speed 52-61 kmph
Squall	Severe: Wind speed 62-87 kmph
	Very Severe: Wind speed >87 kmph
	Effect of various waves in the sea over specific area
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)
	The Control of the Co
	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Cyclone	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)
Cyclone	