

# Government of India Ministry of Earth Sciences India Meteorological Department



Press Release Date: 10<sup>th</sup> September, 2025 Time of Issue: 1315 hours IST

Subject: i) Isolated heavy to very heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 10<sup>th</sup> & 13<sup>th</sup>; Odisha on 11<sup>th</sup>; Arunachal Pradesh and Nagaland & Manipur during 12<sup>th</sup>-16<sup>th</sup>; Assam & Meghalaya during 13<sup>th</sup>-16<sup>th</sup> September, 2025.

- ii) Heavy rainfall spell likely over East India and Peninsular India during next 4-5 days.
- iii) Increasing rainfall activity likely over Maharashtra from 13-16th September, 2025.

#### Realised weather during past 24 hours till 0830 hours IST of today, the 10th September, 2025:

- Very heavy rainfall (12-20 cm) has been recorded at isolated places over Sub-Himalayan West Bengal & Sikkim and Bihar.
- Heavy rainfall (7-11 cm) has been recorded at isolated places over Uttarakhand, Jharkhand, West Madhya Pradesh, Chhattisgarh, Arunachal Pradesh, Assam, Lakshadweep, Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu.

For more details of realised weather, kindly refer Annexure I.

#### i. Weather Systems, Forecast and Warnings (refer to Annexure II & III):

- ❖ The western end of the **Monsoon trough** at mean sea level runs south of its normal position and eastern end runs its near normal position.
- ❖ The **depression** over southeast Pakistan moved nearly westwards and lay centred at 0530 hrs IST of today, the 10<sup>th</sup> September, 2025, over the northeast Arabian Sea & adjoining south Pakistan. It moved nearly westwards, lay centred at 0830hrs IST of today, the 10th September, 2025, over the same region near latitude24.8°N and longitude 65.5°E, 170 km west of Karachi (Pakistan), 300 km west-southwest of Hyderabad (Pakistan), and 390 km west-northwest of Naliya (Gujarat). It is very likely to continue to move nearly westwards and weaken gradually into a well-marked low pressure area during next 06 hours.
- An upper air cyclonic circulation lies over South Odisha & adjoining north Coastal Andhra Pradesh in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** over Sikkim & neighbourhood in lower tropospheric levels.
- ❖ A **trough** runs from South Interior Karnataka to Gulf of Mannar in lower tropospheric levels.
- ❖ A **trough** in westerlies in lower tropospheric levels runs roughly along at Long. 86°E to the north of Lat. 22°N. Under the influence of these systems, the following weather is likely:

#### **Northeast India:**

❖ Light/moderate rain/thunderstorm at many/some places with isolated heavy rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 10<sup>th</sup>-16<sup>th</sup> September with very heavy falls over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 12<sup>th</sup>-16<sup>th</sup>; Assam & Meghalaya during 13<sup>th</sup>-16<sup>th</sup> September.

#### East & Central India:

❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over West Madhya Pradesh on 10<sup>th</sup>; Andaman & Nicobar Islands & East Madhya Pradesh on 10<sup>th</sup> & 11<sup>th</sup>; Chhattisgarh & Bihar during 10<sup>th</sup>-14<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 10<sup>th</sup>-15<sup>th</sup>; Jharkhand on 11<sup>th</sup>; Vidarbha

during 12<sup>th</sup>-14<sup>th</sup>; Odisha on 11<sup>th</sup> & 12<sup>th</sup> September with isolated **very heavy falls over Sub-Himalayan West Bengal & Sikkim on 10<sup>th</sup> & 13<sup>th</sup>; Odisha on 11<sup>th</sup> September**.

#### **Northwest India:**

❖ Light to moderate rain/thunderstorm at some/isolated places with **isolated heavy rainfall** likely over East Uttar Pradesh on 11<sup>th</sup>, 12<sup>th</sup>,15<sup>th</sup> & 16<sup>th</sup>; West Uttar Pradesh on 12<sup>th</sup>; Jammu-Kashmir on 13<sup>th</sup>; Himachal Pradesh on 13<sup>th</sup> & 14<sup>th</sup>; Uttarakhand during 12<sup>th</sup>-15<sup>th</sup> September.

#### West India:

❖ Light to moderate rain/thunderstorm at some/isolated places with **isolated heavy rainfall** likely over Madhya Maharashtra during 12<sup>th</sup>-16<sup>th</sup>; Marathawada during 12<sup>th</sup>-14<sup>th</sup>; Konkan & Goa during 13<sup>th</sup>-16<sup>th</sup>; Gujarat Region during 14<sup>th</sup>-16<sup>th</sup> September with **very heavy falls over Marathawada on 13<sup>th</sup>**; **Konkan & Goa, Madhya Maharashtra on 14<sup>th</sup> September**.

#### **South Peninsular India:**

- Light to moderate rain/thunderstorm & gusty winds (speed 30-40 kmph) at many/some places with isolated heavy rainfall likely over Tamil Nadu on 10<sup>th</sup> & 11<sup>th</sup>; Kerala & Mahe, South Interior Karnataka on 10<sup>th</sup>; Coastal Andhra Pradesh & Yanam & Telangana during 10<sup>th</sup>-13<sup>th</sup>; North Interior Karnataka during 10<sup>th</sup>-14<sup>th</sup> September.
- Strong surface winds (speed reaching 30-40 kmph) very likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during next 5 days.

#### Fishermen warning:

Fishermen are advised not to venture into the following from  $10^{th}$  to  $15^{th}$  September 2025 to the following Areas:

#### Arabian Sea

Along and off north Gujarat, Pakistan coasts, some parts of northeast Arabian Sea & adjoining northwest Arabian Sea on  $10^{\text{th}}$ ; Along and off the Somalia coast, many parts of westcentral & some parts of southwest Arabian sea during  $10^{\text{th}}$  to  $12^{\text{th}}$  September; Along and off the Somalia coast, some parts of westcentral & some parts of southwest Arabian sea during  $12^{\text{th}}$  to  $15^{\text{th}}$  September.

#### **Bay of Bengal**

Few parts of southwest, along and off south Sri Lanka coast on  $10^{th}$  September; along and off Tamil Nadu coast on  $14^{th}$  September; along and off south Andhra Pradesh coast on  $14^{th}$  September; some parts of southwest Bay of Bengal, along and off south Sri Lanka coast during  $11^{th}$  to  $15^{th}$ ; over Gulf of Mannar & adjoining Comorin area on  $10^{th}$  to  $15^{th}$  September.

# ii. Weather conditions and forecast over Delhi/NCR during 10<sup>th</sup> September to 13<sup>th</sup> September 2025 (Annexure IV)

For more details, kindly refer National Weather Bulletin:

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

For District wise warnings refer: <a href="https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php">https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php</a>
For Fishermen warning refer <a href="https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php">https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php</a>

**ANNEXURE I** 

#### Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the $10^{th}$ September ( $\geq 7$ cm):

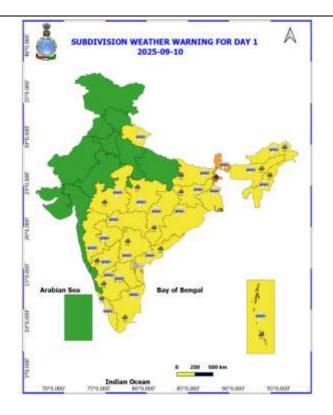
- ❖ Sub-Himalayan West Bengal & Sikkim: Gyalsing (dist Gyalshing) 16, Sevoke (dist Darjeeling) 8, Damthang (dist Namchi) 7;
- ❖ Bihar: Bettiah (dist West Champaran) 13, Narpatganj (dist Araria) 7, Pratapganj (dist Supaul) 7, Nirmali (dist Supaul) 7;
- \* Rayalaseema: Kuppam (dist Chittoor) 9;
- \* Assam: A P Ghat (dist Cachar) 9, Barpeta (dist Barpeta) 8, Beky Rly.bridge (dist Barpeta) 7, Beki Mathungari (dist Barpeta) 7;
- Jharkhand: Putki Dvc (dist Dhanbad) 9, Jamtara (dist Jamtara) 8, Dhanbad (dist Dhanbad) 7;
- West Madhya Pradesh: Pachmarhi (dist Narmadapuram) 9, Bhopal Arera Hills (dist Bhopal) 7;
- **Coastal Andhra Pradesh:** Visakhapatnam (dist Vishakhapatnam) 8;
- Uttarakhand: Haripur (dist Dehradun) 8;
- Chhattisgarh: Durg (dist Durg) 8;

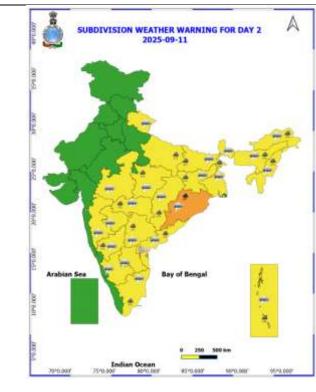
- ❖ Tamil Nadu: Dindigul (dist Dindigul) 8, Thuraiyur ARG (dist Thiruchirappalli), Alangayam (dist Tirupathur) 7 each;
- ❖ Arunachal Pradesh: Dirang Arg (dist West Kameng) 7;
- **❖ Lakshadweep:** Agathi (dist Lakshadweep) 7.

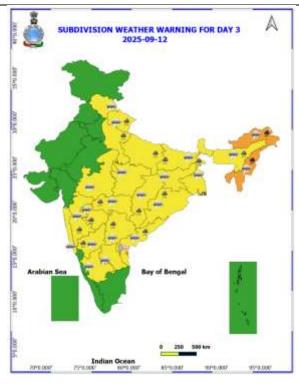
### **ANNEXURE II**

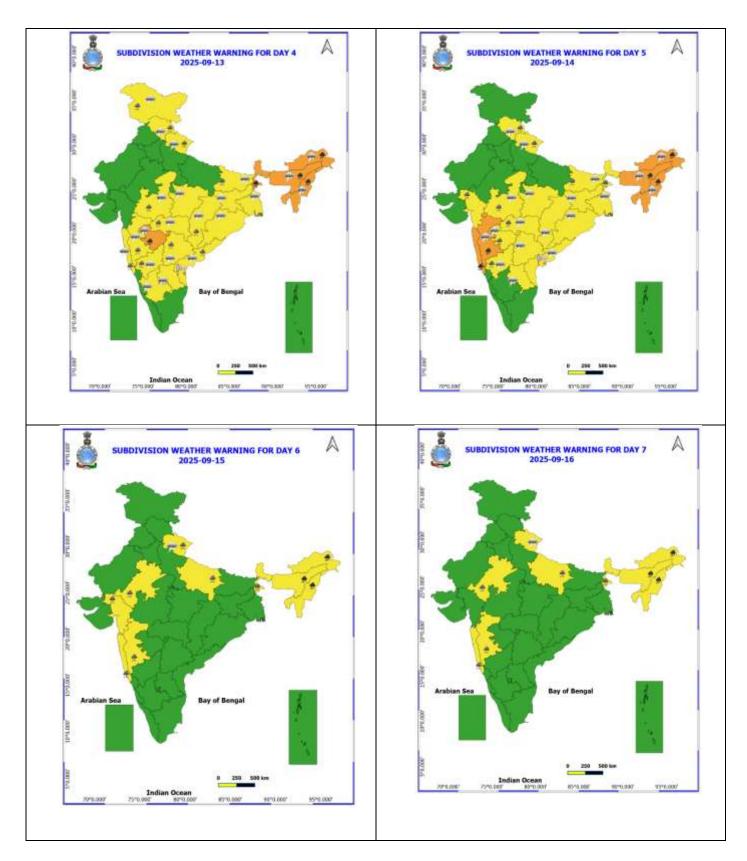
	Table							
	7 Days Rainfa		-					-
S.No.	Subdivision	10- Sep	1. A.P				and the section	1991
	AVEAU A VICEBARIO AVER	Day 1	Day 2	Day 3	Day 4	Day 5		
1	ANDAMAN & NICOBAR ISLANDS ARUNACHAL PRADESH	SCT	FWS	FWS	WS	WS	FWS	FWS
_			FWS	FVVS	VAND	10.00	Wa	184
	ASSAM & MEHGHALAYA NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT FWS	FWS	THE CO.	VA SE	70.0	FWS	FWS
		FVVS	FWS	EWC	FWS	FWS	FWS	FWS
5	GANGETIC WEST BENGAL & SIRRIM	COT		FWS FWS	FWS	SCT	FWS	
7	ODISHA	SCT	FWS FWS	FWS		SCT	SCT	_
8	JHARKHAND	FWS	FWS		FWS	FWS	FWS	FWS
	BIHAR	FWS	FWS		FWS	FWS	FWS	FWS
	A COUNTY OF THE PROPERTY OF TH	ISOL	ISOL		ISOL	ISOL	SCT	
10	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SC
12	I TO SECURE AND A	SCT	SCT	FWS		FWS	FWS	SC
	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
	PUNJAB	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISO
	HIMACHAL PRADESH	SCT	SCT	SCT	FWS	FWS	FWS	
16	JAMMU AND KASHMIR AND LADAKH	ISOL	ISOL	ISOL	SCT	SCT	SCT	
17	WEST RAJASTHAN	ISOL	DRY	DRY	السادة	DRY	DRY	ISOL
	Hardware Control of the Control of t	ISOL	ISOL		ISOL	ISOL	ISOL	ISO
19	WEST MADHYA PRADESH	SCT	SCT	Commence of the Commence of th	SCT	FWS	FWS	FWS
	EAST MADHYA PRADESH	SCT	FWS		FWS	FWS	FWS	FWS
21	GUJRAT REGION	SCT	SCT	SCT	FWS	FWS	FWS	FWS
22	SAURASHTRA & KUTCH	SCT	SCT	SCT	SCT	SCT	SCT	
23		ISOL	ISOL	SCT	FWS	1840	301	FWS
24	MADHYA MAHARASHTRA	ISOL	SCT	SCT	FWS	LL C	FWS	FWS
	MARATHWADA	ISOL	ISOL	FWS	FWS	100	FWS	
-	VIDARBHA	FWS	FWS	P W C	1440	LEAST TO SERVICE STATE OF THE PERSON NAMED IN COLUMN TO SERVICE STATE OF THE PERSON NAMED STATE OF THE PERSON NAMED STATE OF THE PERSON NAMED STATE OF THE PERSON NAME	FWS	
27	CHHATTISGARH	FWS	WO	William	7/10	FWS	FWS	
28	COASTAL ANDHRA PRADESH	SCT	FWS	100	FWS	FWS	SCT	SC
29	TELANGANA	SCT	SCT	FWS	FWS	FWS	SCT	SCI
	RAYALASEEMA	ISOL	SCT	FWS	ME	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SC
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	FWS		FWS	FWS	FWS
34	THE RESERVE OF THE PROPERTY OF	SCT	SCT	FWS		SCT	SCT	FWS
	KERALA AND MAHE	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	SCT	SCT

• As the lead period increases forecast accuracy decrease.









- 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.

#### Weather forecast over Delhi/NCR during 10th to 13th September 2025

#### Past Weather:

There has been no large change in maximum temperature and minimum temperatures in past 24 hours over Delhi. The minimum temperatures were in the range of  $24-27^{\circ}$ C and maximum temperatures were in the range of  $34-35^{\circ}$ C. The minimum temperatures were near normal and maximum temperatures were above normal by  $1-2^{\circ}$ C over Delhi. Westerly winds prevailed with wind speed upto 19 kmph in past 24 hours over Delhi. Mainly clear sky with a wind speed of upto 10-15 kmph from the south west direction prevailed over the region in the forenoon today.

#### Weather Forecast:

**10.09.2025:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C. The maximum temperature will be above normal upto 1 to 3°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of upto 20-25 kmph during afternoon hours. It will reach remain upto 20-25 kmph from the northwest direction during evening and night.

**11.09.2025:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be near normal and the maximum temperature will be below above up to 3°C. The predominant surface wind will likely to be from the northwest direction with a wind speed of upto 20-25 kmph during morning and afternoon hours. It will then decrease upto 15-20 kmph from the northwest during evening and night.

**12.09.2025:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be near normal and the maximum temperature will be above normal up to 0 to 3°C. The predominant surface wind will likely to be from the northwest direction with a wind speed upto 20-25 kmph during morning. The predominant surface wind will likely to be from the north west direction with a wind speed of upto 10-15 kmph during afternoon. It will remain upto 10-15 kmph from the north west direction during evening and night.

**13.09.2025:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be near normal and the maximum temperature will be above normal up to 0 to 2°C. The predominant surface wind will likely to be from the northwest direction with a wind speed upto 15-20 kmph during morning. The predominant surface wind will likely to be from the north west direction with a wind speed of upto 10-15 kmph during afternoon. It will remain upto 05-10 kmph from the north west direction during evening and night.

#### **Impact & Action Suggested due to**

❖ Heavy to very heavy rainfall (12-20 cm) at isolated places over Sub-Himalayan West Bengal & Sikkim on 10<sup>th</sup> & 13<sup>th</sup>; Odisha on 11<sup>th</sup>; Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 12<sup>th</sup>-16<sup>th</sup>; Assam & Meghalaya during 13<sup>th</sup>-16<sup>th</sup>; Marathawada on 13<sup>th</sup>; Konkan & Goa and Madhya Maharashtra on 14<sup>th</sup> September.

#### 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 (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 / Heavy to Very Heavy Rainfall

- In Arunachal Pradesh, immediately harvest matured crops of *Jhum* rice, finger millet, soybean and matured bunches of banana and shift to properly covered shelter. Maintain proper drainage in standing crops like rice, soybean, finger millet and vegetables to avoid water stagnation.
- In Assam, ensure proper drainage in fields of rice, sugarcane, black gram and sesame in Hill Zone. In Lower Brahmaputra Valley Zone, ensure proper drainage system in *Sali* rice fields and nursery bed of vegetables. Cover the nursery bed with thin polythin to avoid the damages due to heavy rainfall. In Barak Valley Zone, postpone the sowing of green gram and black gram and provide adequate drainage facilities in fields of rice, vegetables and already sown green gram and black gram.
- ➤ In Meghalaya, maintain proper drainage in ginger and vegetable fields and fruit orchards. Provide support to banana plants to prevent lodging. Maintain a thin layer of 2-3 cm stagnant water in rice fields after transplanting.
- ➤ In Nagaland, undertake harvesting of matured Jhum rice, pods of sesame and Naga King chilli and store the harvested produce in safe places. Maintain 3-5 cm stagnate water in rice fields.
- ➤ In Mizoram, undertake harvesting of matured cobs of maize.
- In Manipur, harvest matured cobs of maize, matured pods of soybean and groundnut and matured grains of finger millet.
- In Sub-Himalayan West Bengal, make provision to drain out excess water from *aman* paddy and vegetable fields (chilli, bitter gourd, pointed gourd, okra, brinjal etc.) in Terai Zone.
- In Odisha, make arrangements for draining out excess water from the field of pulses (pigeon pea, black gram, green gram), maize, groundnut and vegetables (tomato, brinjal, okra, chilli) in Eastern Ghat High Land Zone and South Eastern Ghat Zone.

#### 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.

#### **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.



#### राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



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

# **LEGENDS**



## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category		% Stations	Category			
76-100	Widespread (WS/Most Places)		26-50	Scattered (SCT/A Few Places)			
51-75	Fairly Widesp	read (FWS/Many Places)	1-25	1-25 isolated (ISOL)			
Fog		Heavy Snow	Cold Wave	COLOUR CO	DED WARNING		
- 108		_	#	No Warni	No Warning (No Action)		
Heavy Rain		Dust Storm	Cold Day	Watch (B	Watch (Be Aware)  Alert (Be Prepared To Take Action)		
Very Heavy Rain		+ Heat Wave	Ground Fro	Alert (Be			
Extremely Heavy Rain		+ Warm Night		Warning	Warning (Take Action)		
Thunder & Lightning		+ Hot Day		-	bilistic Forecast		
		* in		Terms	Probability of Occurrence (%		
▶ Hailstorm		Hot & Humid	Hot & Humid		< 25 25 - 50 50 - 75		
Dust Raising Winds Strong Surface Wind			ds	Very Likely Most Likely	> 75		





	The state of the s
ain/ Snow *	Heavy: 64.5 to 115.5 mm/cm *  Very Heavy: 115.6 to 204.4 mm/cm*
	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
leat Wave	(b). Based on Actual maximum temperature
	Heat Wave: When actual maximum temperature ≥45°C.  Severe Heat Wave: When actual maximum temperature ≥47°C
	A STATE OF THE STA
	( 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
arm Night	Warm Night: When minimum temperature departure 4.5 °C to 8.4 °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.
	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
old 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 ≤-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
Catel Day	Based on departure
Cold Day	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -5.4 °C.
	Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C
	Phenomenon of small droplets suspended in air and the horizontal visibility < 1km
For	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
understorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling
	sound (thunder)
A CONTRACTOR OF THE PARTY OF TH	
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 s4°C ( over Plains)
	Air temperature 54 C ( over Frains)
	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 41-82 kmph (22-33 knots) & Wave height 2,5-6 metre
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
	Enteriorinement synthal speed > 117 kimpri (>oo krious) or synthe beight > 14 mietre
	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 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)
	Super Cyclone Strom: Wind speed >220 kmph (>119 knots)

\* 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)

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