

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

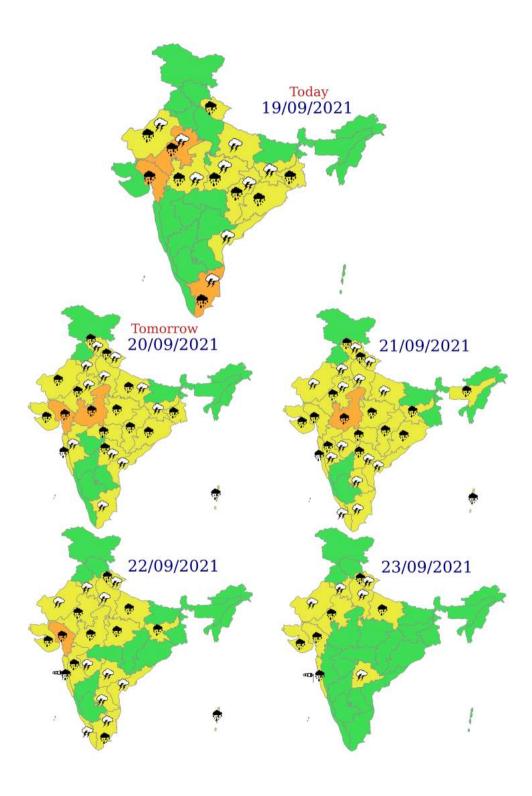
All India Impact Based Weather Warning Bulletin

Sunday 19 September 2021 Time of Issue: 0730 hours IST (MORNING)

- **19 September (Day 1): ◆ Heavy to very heavy rainfall** very likely at isolated places over East Rajasthan, Gujarat Region and Tamilnadu, Puducherry & Karaikal; **heavy rainfall** very likely at isolated places over Madhya Pradesh, Chhattisgarh, Uttarakhand, West Rajasthan, Gangetic West Bengal and Odisha.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Madhya Pradesh, East Uttar Pradesh, Chhattisgarh, Rajasthan, Jharkhand and Tamilnadu, Puducherry & Karaikal.
- ♦ **Squally weather** (wind speed 40-50 kmph to gusting 60 kmph) very likely over the Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- **20 September (Day 2): ◆ Heavy to very heavy rainfall** very likely at isolated places over Gujarat Region and West Madhya Pradesh; **heavy rainfall** very likely at isolated places over Telangana, Konkan & Goa, Saurashtra & Kutch, East Madhya Pradesh, Chhattisgarh, Vidarbha, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Gangetic West Bengal and Odisha.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Madhya Maharashtra, Uttar Pradesh, East Rajasthan, Jharkhand, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and Tamilnadu, Puducherry & Karaikal.
- 21 September (Day 3): ♦ Heavy to very heavy rainfall very likely at isolated places over West Madhya Pradesh; heavy rainfall very likely at isolated places over Telangana, Konkan & Goa, Gujarat State, Madhya Maharashtra, East Madhya Pradesh, Chhattisgarh, Vidarbha, Himachal Pradesh, Uttarakhand, East Rajasthan, Andaman & Nicobar Islands, Jharkhand, Odisha and Assam & Meghalaya.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Madhya Maharashtra, Marathawada, Uttar Pradesh, Rajasthan, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- 22 September (Day 4): ♦ Heavy to very heavy rainfall likely at isolated places over Gujarat Region; heavy rainfall very likely at isolated places over Konkan & Goa, Saurashtra & Kutch, Madhya Maharashtra, Madhya Pradesh, Uttarakhand, East Rajasthan, Andaman & Nicobar Islands, Jharkhand and Tamilnadu, Puducherry & Karaikal.
- ♦ Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Marathawada, West Uttar Pradesh, Southwest Rajasthan, Uttarakhand, Haryana, Chandigarh & Delhi, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- ♦ **Squally weather** (wind speed 40-50 kmph to gusting 60 kmph) likely over the North Maharashtra. Fishermen are advised not to venture into these areas.



- **23 September (Day 5): ♦ Heavy rainfall** likely at isolated places over Gujarat state, Konkan & Goa, Uttarakhand, East Uttar Pradesh and East Rajasthan.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Telangana, West Uttar Pradesh, Southwest Rajasthan, Uttarakhand and Haryana, Chandigarh & Delhi.
- ◆ **Squally weather** (wind speed 40-50 kmph to gusting 60 kmph) likely over the North Maharashtra. Fishermen are advised not to venture into these areas.





EXPECTED IMPACT & ACTION SUGGESTED due to Very Heavy Rainfall over

East Rajasthan on 19th; West Madhya Pradesh during 20th-21st; Gujarat Region on 19th-20th and 22nd and Tamilnadu on 19th September, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and 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
- 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)

B. 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.

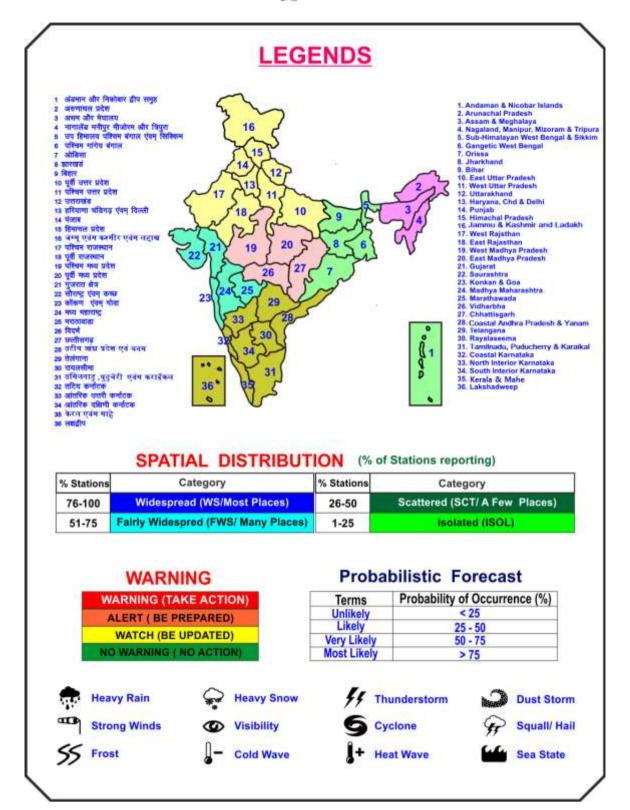


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		LEGENDS	
	WARNING Probabilistic Forecast		
9	WARNING (TAKE ACTION)	Terms	Probability of Occurrence (%)
	ALERT (BE PREPARED)	Unlikely	< 25
1	WATCH (BE UPDATED)	Very Likely	25 - 50 50 - 75
	NO WARNING (NO ACTION)	Most Likely	>75
-10	Heavy: 64.5 to 115.5 mm/cm *		
	Very Heavy: 115.6 to 204.4 mm/cm*		
Rain/ Snow "	Extremely Heavy: > 204.4 mm/cm *		
§+ Heat Wave	When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly region		
	(a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C.		
	Severe 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		
	(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		
		naine 40ec	
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.		
ੂ− 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 Departure from normal ≥ -6.5°C (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 or actual Minimum Temperature is ≤ 15°C		
☐- 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 droplet Moderate Fog: When the visibility betwee Dense Fog: when the visibility betwee Very Dense Fog: when the visibility < 5	ween 500-200 metres n 50- 200 metres	r and the horizontal visibility < 1ki
## Thunderstorm	Sudden electrical discharges man sound (thunder)	ifested by a flash of	light (Lightning) and a sharp rumbling
Dust/Sand Storm	An ensemble of particles of dust of turbulent wind.	or sand energetically	lifted to great heights by a strong and
55	Ice deposits on ground		
	Air temperature s4°C (over Plains)		
Frost	2 4 3 30 30 30 30		No.
~	A strong wind that rises suddenly, lasts for atleast 1 minute.		
4	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph		
Squall	Very Severe: Wind speed >87 kmph		
	resy severe. Tring speed - or milph		
	Effect of various waves in the sea		2 140 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	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 >3-117 kmph (>63 knots) & Wave height >14 metre		
Sea State	Phenomenal: Wind speed >117 kmph		
Sea State			Miles Methods Collision J.
Sea State	Cyclonic Storm: Wind speed 62-87 km	nph (34-47 knots)	
Sea State	Cyclonic Storm: Wind speed 62-87 km Severe Cyclonic Storm: Wind speed	nph (34-47 knots) 88-117 kmph (48-63 kno	ts)
Sea State Scyclone	Cyclonic Storm: Wind speed 62-87 km	nph (34-47 knots) 88-117 kmph (48-63 kno peed 118-165 kmph (64	ts) 89 knots)



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Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.