



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

Press Release

Date: 08th December, 2021

Time of Issue: 1145 hrs IST

Subject:

- i. Cold wave conditions likely at isolated places over north Rajasthan during next 3 days.**
- ii. Increase in rainfall activity over southeast peninsular coast during 08th-09th and over Odisha on 09th December.**

Significant Rainfall during past 24 hours recorded at 0830 hrs IST of today:

Tamilnadu: Coimbatore: Valprai PTO-5, Virudhunagar: Pilavakkal-5, Kanyakumari: Suralcode-3

Kerala: Kottayam: Kanjirappally-4; Idukki: Thodupuzha-3.

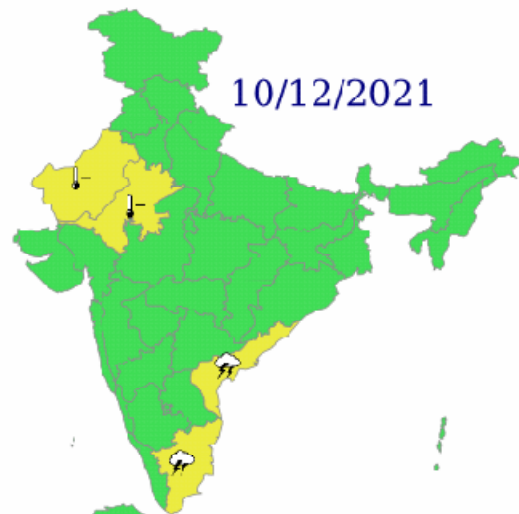
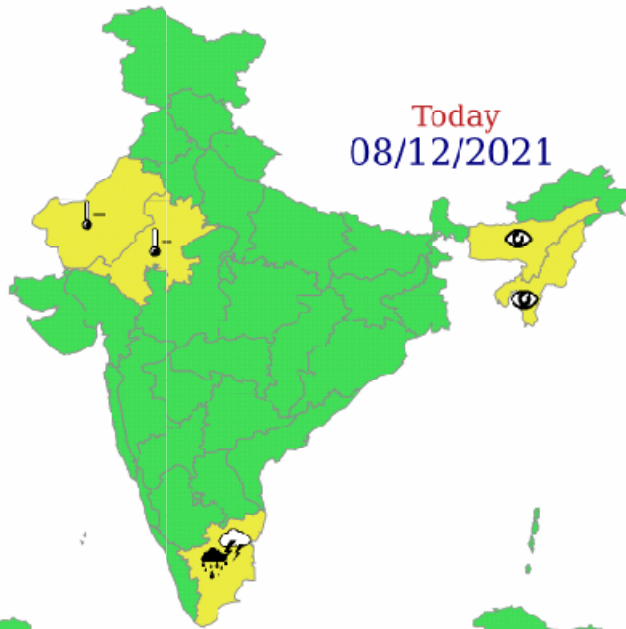
Weather Systems and Forecast:

- A feeble Western Disturbance seen as a trough in mid tropospheric westerlies roughly along Long. 73°E to the north of Lat. 29°N. With the gradual eastwards movement of the trough, fall in minimum temperatures by 2-4°C very likely over most parts of Northwest, West and Central India leading to **cold wave conditions** over north Rajasthan during next 3 days.
- A trough in easterlies runs from Southwest Bay of Bengal to central parts of north Bay of Bengal in lower levels. With the westwards movement of the trough, rainfall activity is likely to increase over east peninsular coast during 08th-09th December and over Odisha on 09th December. **Isolated heavy rainfall** activity is likely over coastal Tamilnadu on 08th & 09th and over Coastal Andhra Pradesh on 09th December, 2021.
- **Dense fog** very likely in isolated pockets over Northeast India during next 2 days.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_e71398_SPECIAL%20MESSAGE%20dated%2030-11-21.pdf



Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain



Strong Winds



Thunderstorm with Lightning



Visibility/Fog

WARNING

WARNING (TAKE ACTION)

ALERT (BE PREPARED)

WATCH (BE UPDATED)

NO WARNING / NO ACTION

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75