



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 12th December, 2022

Time of Issue: 1215 hrs IST

Subject: i) Isolated heavy rainfall activity likely to continue over south peninsular India during next 24 hours and reduce thereafter.

ii) A Low Pressure Area is likely to form over Southeast & adjoining Eastcentral Arabian Sea around 13th December.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- ❖ **Minimum temperatures** are in the range of 9-12° C over many parts of plains of Northwest and adjoining central & East India. These are near normal over northern parts of the country.
- ❖ **Heavy to very heavy rainfall** occurred at isolated places over Kerala and **heavy rainfall** at isolated places over south Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu.
- ❖ **Significant amount of rainfall (in cm): Kerala:** Aluva (Ernakulam district) 12, Vynthala ARG (Thrissur district) 11, Enamakal (Thrissur district) & Quilandi (Kozhikode district) 9 each, C.I.A.L. Kochi (Ernakulam district), Kannur, Irinjalakuda (Thrissur district) & Thrithala (Palakkad district) 8 each, Karipur AP (Malappuram district), Kozhikode, Perumbavur (Ernakulam district) & Kunnamkulam (Thrissur district) 7 each, **Tamilnadu:** Chinnakalar (dist Coimbatore), Tiruvallur (dist Tiruvallur) 9 each, Pattukottai (dist Thanjavur) 8, Virudachalam (dist Cuddalore), Gomugi Dam (PWD) (dist Kallakurichi), Veeraganoor (dist Salem), Marakkanam (dist Villupuram), Palacode (dist Dharmapuri) 7 each, **Coastal Andhra Pradesh & Yanam:** Kandukur (dist Prakasam) 11, Bheemunipatnam (dist Vishakhapatnam) 8, Yerragondapalem (dist Prakasam) 8, Marripudi (dist Prakasam) 7, **Rayalaseema:** Thottambedu (dist Chittoor) 7.

Weather systems and forecast & warning:

- ❖ A cyclonic circulation lies over Kerala & neighbourhood and extends upto mid-tropospheric levels. It is very likely to emerge into Southeast & adjoining Eastcentral Arabian Sea off north Kerala-Karnataka coast. Under its influence, a Low Pressure Area is likely to form over the same region around 13th December and move west-northwestwards away from the Indian coast thereafter.

(i) Rainfall (warning graphics enclosed)

Light to moderate rainfall at most places with **heavy rainfall** at isolated places very likely over Tamil Nadu, South Interior Karnataka, south Coastal Andhra Pradesh, Rayalaseema today; over Kerala & Mahe & Lakshadweep on 12th & 13th December, 2022 and decrease in rainfall activity over the region thereafter.

(ii) Sea Area warning:

Squally weather (wind speed reaching 35-45 kmph gusting to 55 kmph) very likely over southeast & adjoining eastcentral Arabian Sea and along & off Kerala-Karnataka coast and Lakshadweep area on 12th & 13th and over eastcentral & adjoining southeast Arabian Sea during 14th -15th and over Central & south Arabian Sea on 16th December, 2022.

(iii) Fishermen Warning:

Fishermen are advised not to venture into southeast & adjoining eastcentral Arabian Sea and along & off Kerala-Karnataka coast and Lakshadweep area on 12th & 13th December, 2022.

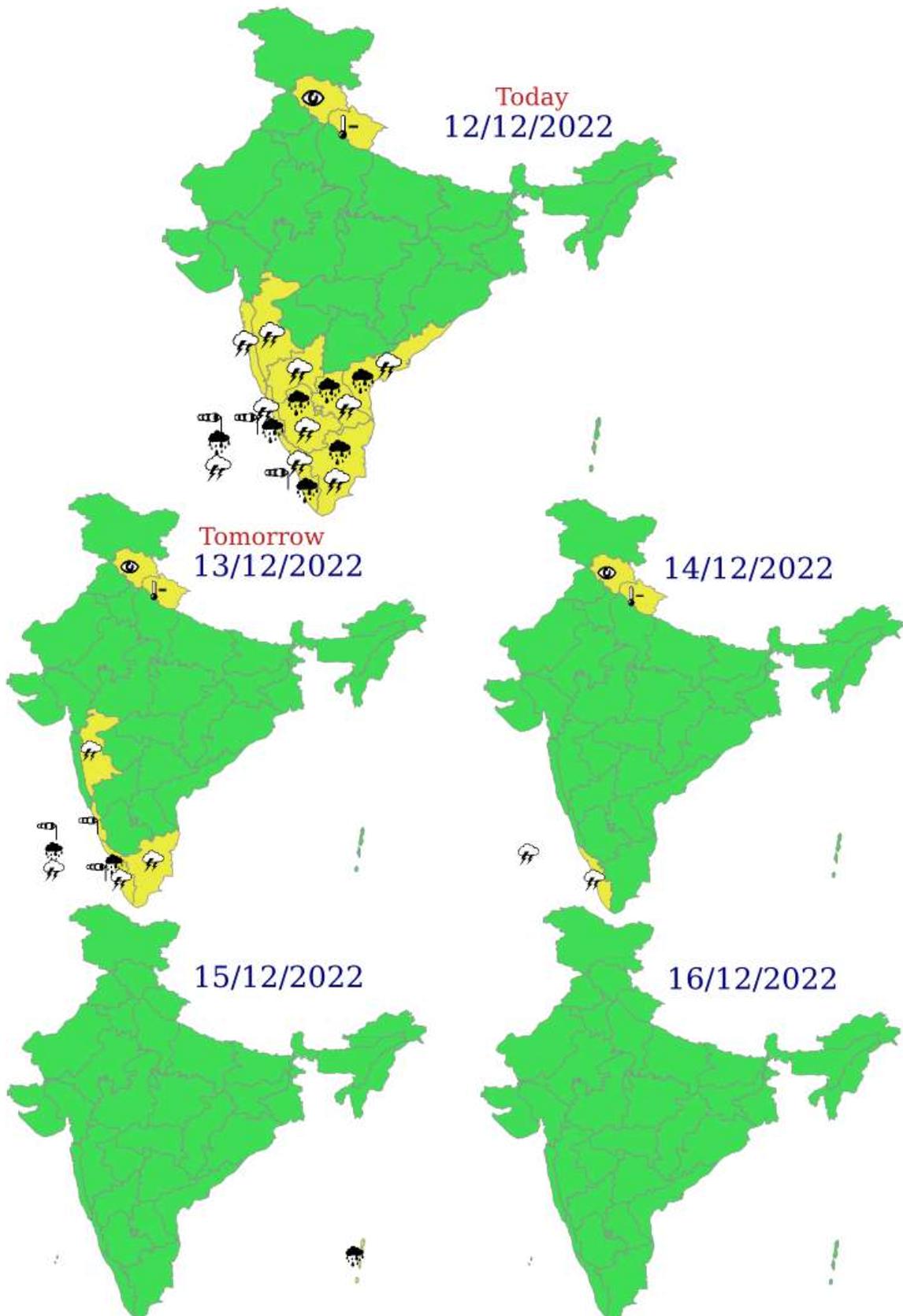
- ❖ Under the influence of Western Disturbance as a trough in middle & upper tropospheric westerlies roughly along Long. 58°E to the north of Lat. 32°N: isolated light rainfall/snowfall is very likely over Jammu & Kashmir on 12th December.
- ❖ A cyclonic circulation likely to emerge into south Andaman Sea around 13th December, 2022. Under its influence, fairly widespread rainfall with isolated **heavy rainfall** likely over Nicobar Islands on 15th December.

Minimum Temperature Forecast:

- ❖ No significant change in minimum temperatures likely over Northwest & East India during next 24 hours and gradual fall by 2-4°C thereafter. No significant change in minimum temperatures likely over Central India during next 2 days and gradual fall by 3-5°C thereafter. No significant change in minimum temperatures likely over Interior Maharashtra during next 3 days and gradual fall by 2-4°C thereafter. No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.
- ❖ **Dense fog** in isolated pockets very likely over Himachal Pradesh during next 3 days.
- ❖ **Cold wave conditions** in isolated pockets very likely over Uttarakhand during next 3 days.

For more details kindly refer:

[https://mausam.imd.gov.in/imd latest/contents/all india forecast bulletin.php](https://mausam.imd.gov.in/imd%20latest/contents/all%20india%20forecast%20bulletin.php)



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:** 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.
- 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)

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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State