



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 11th December, 2022

Time of Issue: 1245 hrs IST

Subject: Heavy rainfall spell over Tamil Nadu, South Interior Karnataka & south Coastal Andhra Pradesh today and over Kerala & Mahe during 11th-13th December, 2022.

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

- ❖ **Minimum temperatures** are in the range of 8-10° C over some parts of plains of Northwest and adjoining central India. These are near normal over northern parts of the country; below normal over some parts of Central and West India.
- ❖ **Heavy to Very heavy rainfall** occurred at isolated places over south Coastal Andhra Pradesh and **heavy rainfall** at isolated places over Kerala, Tamil Nadu, South Interior Karnataka and Rayalaseema.
- ❖ **Significant amount of rainfall (in cm): Coastal Andhra Pradesh & Yanam:** Atmakur (dist Spsr Nellore) 13, Markapur (dist Prakasam) 10, Amalapuram (dist East Godavari) 10, Veligandla (dist Prakasam) 9, Kandukur (dist Prakasam) 9, Marripudi (dist Prakasam) 8, Ongole (dist Prakasam) 8, Udayagiri (dist Spsr Nellore) 8, Podili (dist Prakasam) 7, Avanigada (dist Krishna) 7, Konakanamitla (dist Prakasam) 7; **Tamil Nadu:** Yercaud (dist Salem) 10, Vadapudupattu (dist Tirupattur) 9, Ambur (dist Tirupattur) 8, Wallajah (dist Ranipet), Arcot (dist Ranipet), Ammoor (dist Ranipet) 7 each; **Kerala:** Palluruthy ARG (Ernakulam district) 11, Mancompu (Alappuzha district) 9, NAS Kochi (Ernakulam district) 8, Piravam (Ernakulam district), Ernakulam South & Vynthala ARG (Thrissur district) 7 each; **South Interior Karnataka:** Chintamani Pto (dist Chikaballapura) 7; **Rayalaseema:** Thambalapalle (dist Chittoor) 7, Venkatagiri Kota (dist Chittoor) 7, Penagaluru (dist Ysr District) 7, Arogyavaram (dist Chittoor) 7.

Remnant of cyclonic storm 'Mandous' and its associated Forecast:

Yesterday's **Deep Depression** (remnant of cyclonic storm "MANDOUS" pronounced as "Mandous") over north Tamil Nadu weakened into a **Depression** yesterday's forenoon, further into a **Well Marked Low Pressure Area** over north interior Tamilnadu & neighbourhood yesterday's evening and into a **Low Pressure Area** at 0530 hours IST of today over north interior Tamil Nadu and adjoining South Interior Karnataka & north Kerala. It became less marked at 0830 hours IST of today, 11th December, 2022. However, the associated cyclonic circulation persists over the same region 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.

Warnings:

(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 today and over

Kerala & Mahe during 11th-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 during 11th-13th and over eastcentral & adjoining southeast Arabian Sea during 14th -15th Dec. 2022.

(iii) Fishermen Warning (warning graphics enclosed):

Fishermen are advised not to venture into southeast & adjoining eastcentral Arabian Sea and along & off Kerala-Karnataka coast during 11th-13th and over eastcentral & adjoining southeast Arabian Sea during 14th -15th Dec. 2022.

Other Weather systems and its associated rainfall/thunderstorm Forecast:

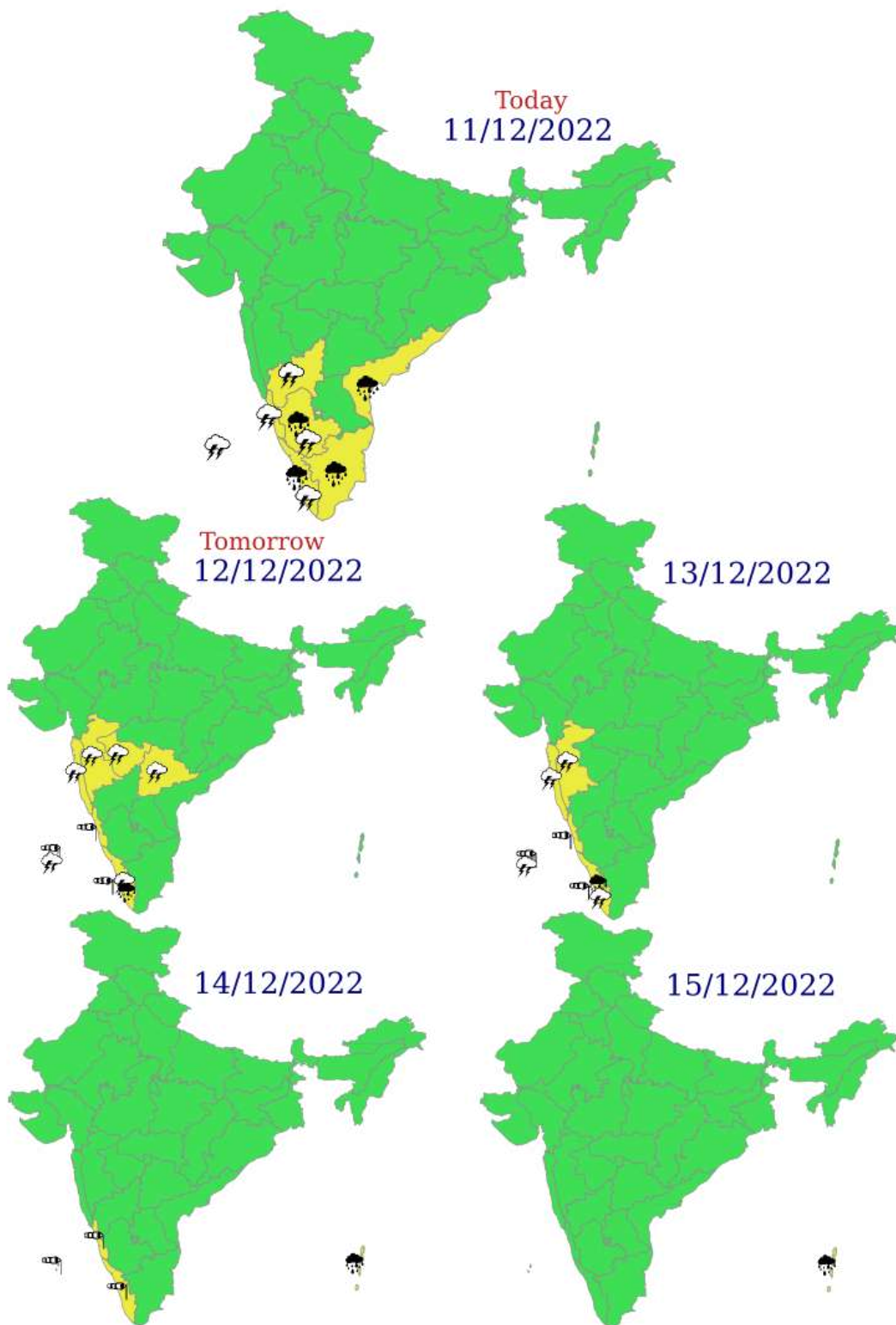
- ❖ Under the influence of Western Disturbance as a cyclonic circulation over north Pakistan & neighbourhood in lower & middle tropospheric levels: isolated to scattered light rainfall/snowfall is very likely over Jammu & Kashmir during 11th-12th December.
- ❖ A cyclonic circulation likely to emerge into south Andaman Sea around 13th December, 2022. Under its influence, widespread rainfall with isolated **heavy rainfall** likely over Nicobar on 14th & 15th December.

Minimum Temperature Forecast:

- ❖ No significant change in minimum temperatures likely over Northwest India during next 2 days and fall by 2-4°C thereafter. Minimum temperatures likely to rise by 2-3°C over Central India during next 2 days and no significant change thereafter. No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



Fishermen warning graphics



Squally Weather with wind speed 35-45 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

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

