



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

**Press Release
Date: 21st November, 2022
Time of Issue: 1245 hrs IST**

**Subject: (i) Depression over Southwest Bay of Bengal.
(ii) Isolated heavy rainfall likely over north Tamil Nadu, south coastal Andhra Pradesh and adjoining Rayalaseema on 21st & 22nd November, 2022.**

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

- ❖ **Minimum temperatures** are below normal by about 2° C over most parts of Central & West India, many parts of Northwest India and some parts of East & south peninsular India.
- ❖ **Light rainfall** occurred at isolated places over Coastal Andhra Pradesh; **very light to light rainfall** at isolated places over Rayalaseema, Tamil Nadu, Kerala and Nicobar Islands.

Weather systems, rainfall/thunderstorm Forecast & Warnings:

The Depression over Southwest Bay of Bengal moved northwestwards with a speed of 12 kmph during past 6 hours and lay centred at 0830 hours IST of today, the 21st November, 2022 over the same region, near latitude 12.1°N and longitude 84.0°E, about 520 km northeast of Jaffna (Sri Lanka), 470 km east-northeast of Karaikal, 550 km southeast of Machilipatnam and 420 km east-southeast of Chennai.

It is likely to move northwestwards till 21st November evening and then west-northwestwards maintaining the intensity of depression till mid-night. Thereafter, it would continue to move west-northwestwards towards south Andhra Pradesh-North Tamilnadu-Puducherry coasts and weaken gradually into a well-marked low pressure area around 22nd morning.

Warnings:

(i) Rainfall (warning graphics enclosed Annexure I)

- ❖ Light to moderate rainfall at many places with isolated heavy rainfall is very likely over North Tamilnadu-Puducherry and south coastal Andhra Pradesh & adjoining Rayalaseema on 21st and 22nd November and light to moderate rainfall at a few places over North coastal Andhra Pradesh during the same period.
- ❖ Light to moderate rainfall at many places is likely over North Tamil Nadu-Puducherry, South Coastal Andhra Pradesh and Rayalaseema on 23rd November.

(ii) Wind warning:

- ❖ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over Southwest and adjoining Westcentral Bay of Bengal and along & off Andhra Pradesh, Tamil Nadu, Puducherry and Sri Lanka coasts till 22nd November morning and decrease gradually thereafter.**

- ❖ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph is likely to prevail over Gulf of Mannar on 21st & 22nd November.**

(iii) Sea condition

- ❖ **Sea condition will be rough to very rough over Southwest and adjoining Westcentral Bay of Bengal and along & off Andhra Pradesh, Tamil Nadu, Puducherry, Sri Lanka coasts till 22nd November morning and improve gradually thereafter.**
- ❖ **Sea condition will be rough over Gulf of Mannar on 21st & 22nd November and improve gradually thereafter.**

(iv) Fishermen Warning (Refer Annexure II)

Fishermen are advised not to venture into Southwest and adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off Andhra Pradesh, Tamil Nadu, Puducherry, Sri Lanka coasts till 22nd November.

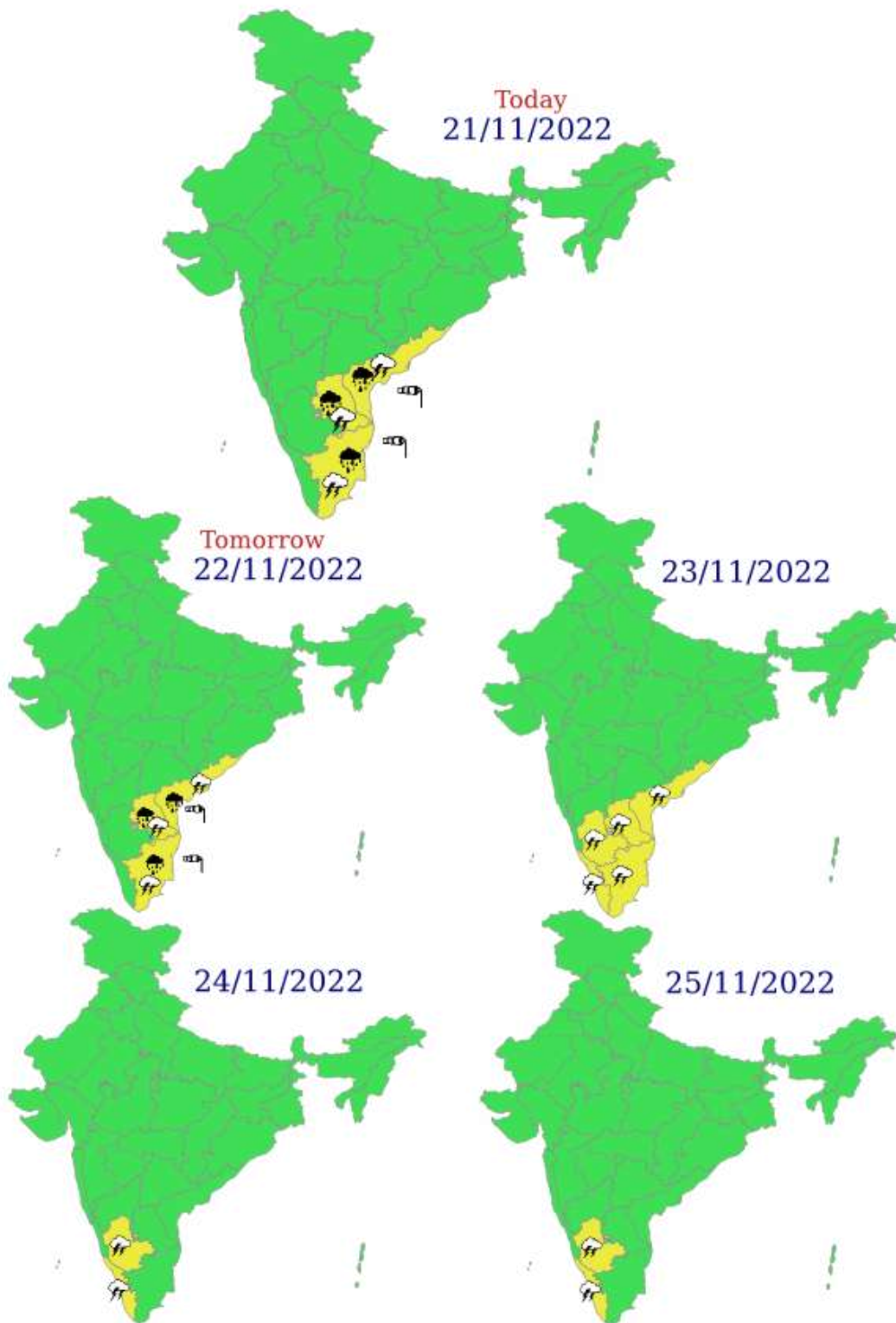
Minimum Temperature Forecast

- ❖ Minimum temperatures are likely to fall by about 2°C over many parts of Northwest India during next 3 days and no significant change thereafter.
- ❖ Gradual rise in minimum temperatures by 2-4°C likely over many parts of West India during next 5 days.
- ❖ Gradual rise in minimum temperatures by 2-3°C likely over many parts of Central India during next 3 days and no significant change thereafter.
- ❖ No significant change in minimum temperatures likely over many parts of East India during next 2 days and fall by 2-3°C thereafter.

For more details kindly refer:

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

Annexure I



Fishermen warning graphics



	Squally weather with wind speed 40-45 kmph gusting to 55 kmph
	Squally wind speed with wind speed 45-55 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

Thunderstorm with Lightning