



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

**Press Release**

**Date: 03<sup>rd</sup> February, 2023**

**Time of Issue: 1200 hours IST**

**Subject: A Well Marked Low Pressure Area over Comorin and adjoining Gulf of Mannar & west coast of Sri Lanka.**

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

- ❖ **Heavy to very heavy rainfall** occurred at isolated places over Tamil Nadu, **light rainfall** at a few places over Andaman & Nicobar Islands and at isolated places over Kerala & Himachal Pradesh.
- ❖ **Significant rainfall observed (in cm): TAMIL NADU:** Oothu (dist Tirunelveli) 16, Nalumukku (dist Tirunelveli) 13, Kakkachi (dist Tirunelveli) 12, Manjolai (dist Tirunelveli), Velankanni (dist Nagapattinam), Needamangalam (dist Tiruvarur) 10 each, Nannilam (dist Tiruvarur), Nagapattinam (dist Nagapattinam), Tiruvarur (dist Tiruvarur) 9 each, Tirupoondi (dist Nagapattinam), Thirukuvalai (dist Nagapattinam) 8 each, Mannargudi (dist Tiruvarur), Adirampatnam (dist Thanjavur), Vettikadu (dist Thanjavur), Kodavasal (dist Tiruvarur), Neivasal Thenpathi (dist Thanjavur), Ayyampettai (dist Thanjavur), Orthanad (dist Thanjavur), Devakottai (dist Sivaganga) 7 each.
- ❖ **The minimum temperatures** are in the range of 6-10°C over many parts of plains of Northwest India and Madhya Pradesh. The **Lowest Minimum temperature** of 4.1°C has been observed over **Churu (West Rajasthan)**.

**Well Marked Low Pressure Area and associated weather:**

- ❖ Yesterday's **Depression** over south Sri Lanka has weakened into a **Well Marked Low Pressure Area** over Comorin and adjoining Gulf of Mannar & west coast of Sri Lanka. It is very likely to move southwestwards and weaken gradually into a low pressure area during next 12 hours. Under its influence:
  - ✓ Light/moderate rainfall is very likely at a few places over Tamil Nadu & Puducherry and Kerala with isolated **heavy rainfall** over south Tamil Nadu on 03<sup>rd</sup> February.
  - ✓ **Squally wind** speed reaching 40-45 kmph gusting to 55 kmph very likely over Gulf of Mannar, Comorin area and along & off south Tamil Nadu coast on 03<sup>rd</sup> and over **Comorin area** on 04<sup>th</sup> February.

**Western Disturbances and associated rainfall/snowfall:**

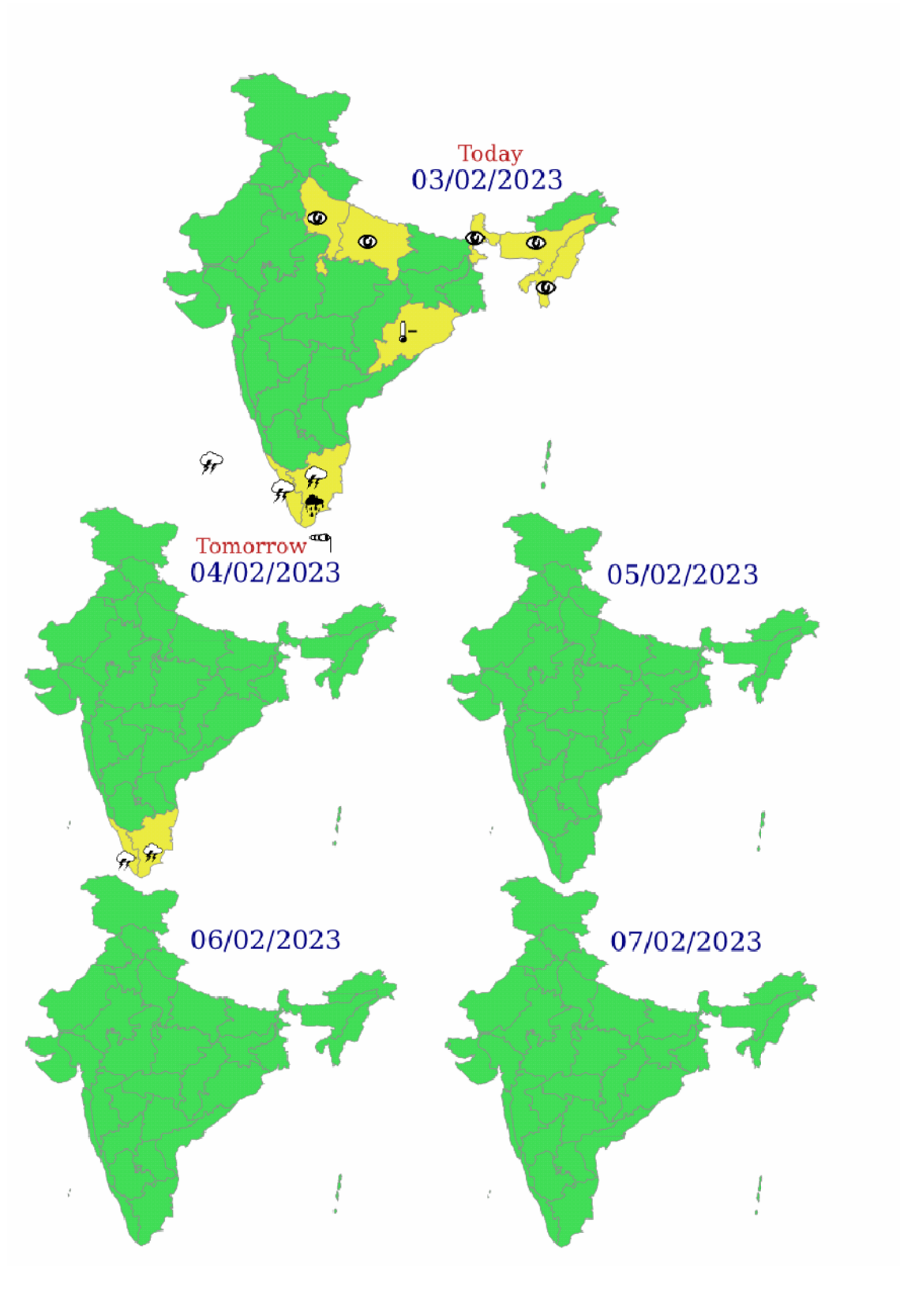
- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 60°E to the north of Lat. 32°N. Under its influence; light isolated to scattered rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 03<sup>rd</sup> & 04<sup>th</sup> and Himachal Pradesh on 03<sup>rd</sup> February.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 05<sup>th</sup> February, 2023. Under its influence; light isolated to scattered rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh on 05<sup>th</sup> & 06<sup>th</sup> and over Uttarakhand on 06<sup>th</sup> February.

#### **Minimum Temperature Forecast:**

- ❖ Gradual rise in minimum temperatures by 2-3°C very likely over most parts of Northwest India during next 3 days and no significant change thereafter. No significant change in minimum temperatures very likely over many parts of Central India during next 24 hours and rise by 2-3°C thereafter. No significant change in minimum temperatures very likely over rest parts of the country during next 5 days.
- ❖ **Cold wave conditions** very likely in isolated pockets over Odisha on 04<sup>th</sup> February.
- ❖ **Dense fog** very likely in isolated pockets over north Uttar Pradesh, Sub-Himalayan West Bengal, Assam & Meghalaya and Tripura during next 24 hours.

For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.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