



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

**Press Release
Date: 28th February, 2022
Time of Issue: 1200 hrs IST**

**Subject: (I) Isolated Heavy to Very heavy rainfall activity over Tamilnadu-Puducherry-Karaikal on 03rd & 04th March, 2022.
(II) Two Western Disturbances likely to influence Western Himalayan Region & adjoining plains till 03rd March, 2022.**

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

Observed rainfall (in cm): **Nicobar Islands:** Nancowry-9, Car Nicobar-8; **Kerala:** Alapuzha-5; **East Madhya Pradesh:** Annupur-4.

Weather Systems and associated forecast & warnings:

- 1. A trough in lower tropospheric westerlies runs along Long. 89°E to the north of Lat.22°N. Under its influence:**
 - Isolated to scattered rainfall with **isolated thunderstorm/lightning** over Bihar, Sub-Himalayan West Bengal-Sikkim, Chhattisgarh, Arunachal Pradesh, northeast Assam and Nagaland during next 24 hours.
- 2. The cyclonic circulation over south Andaman Sea & adjoining Equatorial Indian Ocean over lower & middle tropospheric levels persists. It is very likely to move west-northwestwards and under its influence, a Low Pressure Area is very likely to form over Southeast Bay of Bengal during next 24 hours and is likely to move further towards Sri Lanka coast during subsequent 48 hours. Under its influence:**
 - Fairly widespread to widespread light/moderate rainfall with thunderstorm, lightning & gusty winds (30-40 kmph gusting to 50 Kmph) very likely over Andaman & Nicobar Islands on 28th February & 01st March. **Isolated heavy rainfall** also very likely over Nicobar Islands on 28th February, 2022.
 - Fairly widespread light/moderate rainfall with thunderstorm/lightning with **isolated Heavy to Very Heavy rainfall** very likely over Tamilnadu-Puducherry-Karaikal on 03rd & 04th March, 2022. Isolated **heavy falls** also likely over Rayalaseema on 04th March, 2022.

- **Squally winds (40-50 kmph gusting to 60 Kmph)** very likely over south Andaman Sea & adjoining Southeast Bay of Bengal on 28th February, over Southeast Bay of Bengal & adjoining south Andaman Sea on 01st March; over Southwest & adjoining Southeast Bay of Bengal on 02nd March; over Southwest Bay of Bengal, Gulf of Mannar and along & off Tamilnadu coast on 03rd March and over Southwest Bay of Bengal and along & off north Tamilnadu-south Coastal Andhra Pradesh coasts on 04th March 2022. Fishermen are advised not to venture into these areas.
3. The Western Disturbance as a trough in middle & upper tropospheric westerlies runs along Long.60°E to the north of Lat. 30°N. it is very likely to cause isolated light rainfall/snowfall over Western Himalayan Region on 28th February & 01st March, 2022.
 4. **A fresh Western Disturbance is very likely to influence northwest India 02nd March, 2022.** It is very likely to cause scattered to fairly widespread light/moderate rainfall/snowfall over Jammu-Kashmir & Himachal Pradesh; isolated light rainfall/snowfall over Uttarakhand and isolated light rainfall over adjoining plains of northwest India on 02nd & 03rd March, 2022.

For more details refer:

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

Today
28/02/2022



Tomorrow
01/03/2022



02/03/2022



03/03/2022



04/03/2022



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

