



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

**Press Release
Date: 04th November, 2022
Time of Issue: 1245 hrs IST**

**Subject: (i) Heavy rainfall spell likely to continue over Tamilnadu, Puducherry & Karaikal and Kerala during next 3 days.
(ii) A fresh Western Disturbance very likely to affect Western Himalayan Region from 04th & adjoining plains from 05th November, 2022.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: (in Annexure I)

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)

- A Western Disturbance as a trough in westerlies in lower & middle tropospheric levels runs along Long. 55°E to the north of Lat. 30°N. Under its influence, an induced cyclonic circulation is likely to form over central Pakistan by tomorrow, the 05th November, 2022. Due to these systems;
 - ❖ Scattered/Fairly widespread light/moderate rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit Baltistan & Muzaffarabad and Himachal Pradesh during 05th-07th; isolated light/moderate rainfall/snowfall over Uttarakhand on 06th and isolated light rainfall over Punjab on 05th & 06th November, 2022.
 - ❖ **Isolated heavy rainfall/snowfall is also likely over Kashmir Valley on 06th November, 2022.**
- A Cyclonic circulation lies over Kerala coast & neighbourhood and an east-west trough runs from this system to south Andaman Sea in lower tropospheric levels. Another cyclonic circulation lies over south Andaman Sea & southeast Bay of Bengal in middle tropospheric levels. Under the influence of these systems:
 - ❖ Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely to continue over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 04th-06th November, 2022. **Isolated very heavy rainfall** also very likely over south Tamil Nadu and south Kerala on 04th November, 2022.
 - ❖ Scattered to fairly widespread light/moderate rainfall very likely over Andaman & Nicobar Islands during 05th-08th November. Isolated **heavy rainfall** also likely over Andaman & Nicobar Islands on 07th November, 2022.
- A Low Pressure area is likely to form over southwest Bay of Bengal off Sri Lanka coast around 09th November, 2022. It is very likely to move northwestwards towards Tamilnadu-Puducherry coasts with possible slight intensification during subsequent 48 hours.

For more details kindly refer:

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

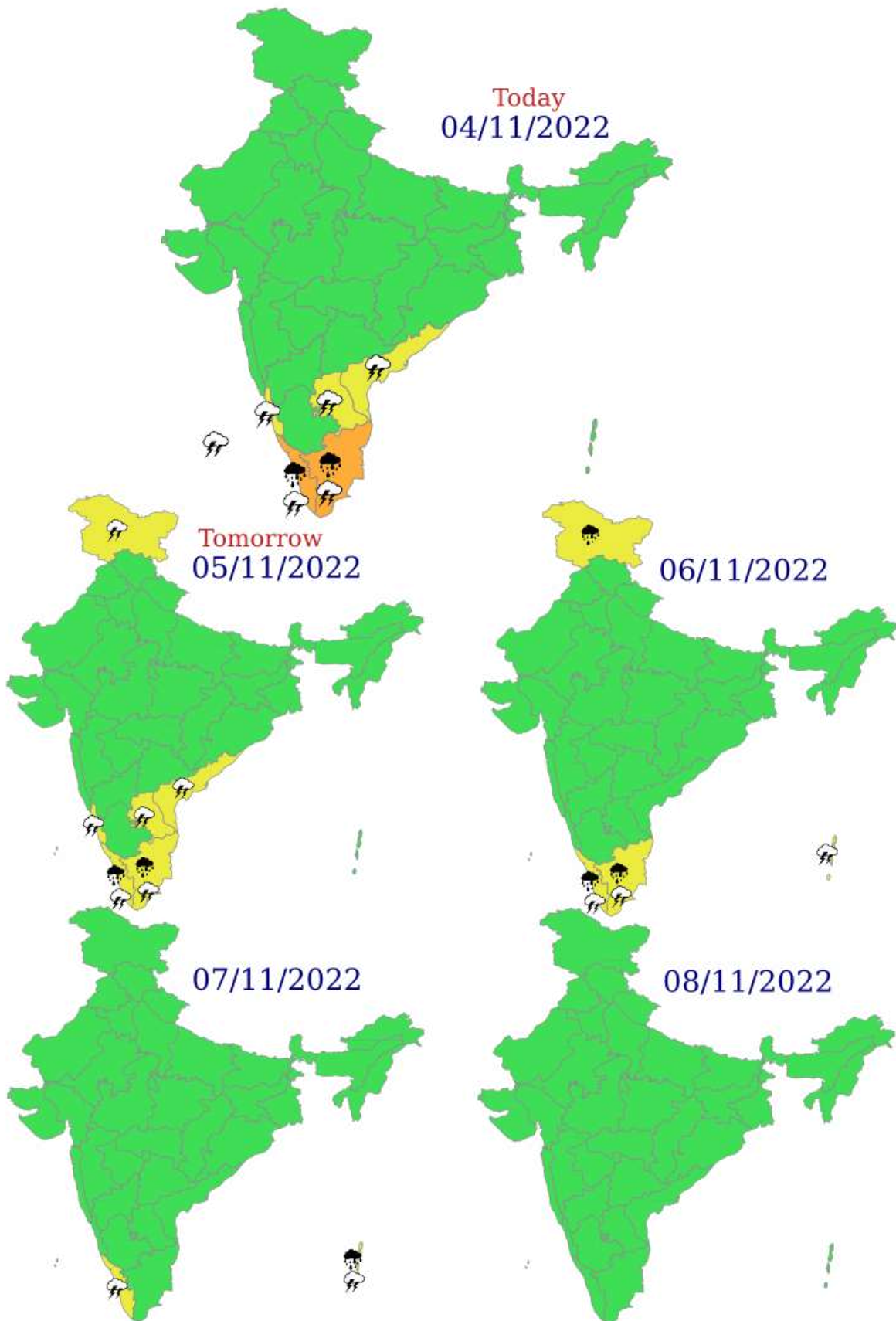
Annexure I

Heavy to very heavy rainfall at isolated places occurred over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

Rainfall (in cm):

TAMILNADU, PUDUCHERRY & KARAİKAL: Tondaiyarpeta (dist Chennai) 14, DGP Office (dist Chennai), Mettupalayam (dist Coimbatore) 12 each, Vedaranyam (dist Nagapattinam), Kayalpattinam (dist Toothukudi) 10 each, Perambur (dist Chennai) 9, Kayathar Arg (dist Toothukudi), Kadambur (dist Toothukudi), Kayathar (dist Toothukudi), Chennai Collectorate (dist Chennai), Srivaikuntam (dist Toothukudi) 8 each, Ayanavaram Taluk Office (dist Chennai), Anna University (dist Chennai), Ambathur (dist Tiruvallur), Chennai Nungambakkam (dist Chennai), Red Hills (dist Tiruvallur), Collectorate (dist Cuddalore) 7 each.

KERALA & MAHE: Peermade (IDUKKI AWS) 13; Peerumedu (Idukki district) 11.



IMPACT EXPECTED & ACTION SUGGESTED DUE TO- Isolated very heavy rainfall over south Tamil Nadu and south Kerala on 04th November, 2022.

A. Impact Expected

- Localized water logging in low lying areas in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

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

