



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 03rd November, 2022

Time of Issue: 1145 hrs IST

Subject: (i) Heavy rainfall spell likely to continue over Tamilnadu, Puducherry & Karaikal and Kerala during next 5 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 Cyclonic circulation lies over south Tamil Nadu & neighbourhood and a trough runs from this system to Lakshadweep area in lower & middle tropospheric levels.
- A cyclonic circulation lies over Southwest Bay of Bengal & neighbourhood in lower tropospheric levels.
- Northeasterly winds are prevailing along & off Tamil Nadu coast.
- Under their influence:
 - ❖ 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 03rd-07th November, 2022. **Isolated very heavy rainfall** also very likely over south Tamil Nadu and south Kerala on 03th & 04th November, 2022.
- Under the influence of a fresh Western Disturbance;
 - ❖ 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 & 07th and isolated light rainfall over Punjab during 05th-07th November, 2022. **Isolated heavy rainfall/snowfall is also likely over Kashmir Valley on 06th November, 2022.**

For more details kindly refer:

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

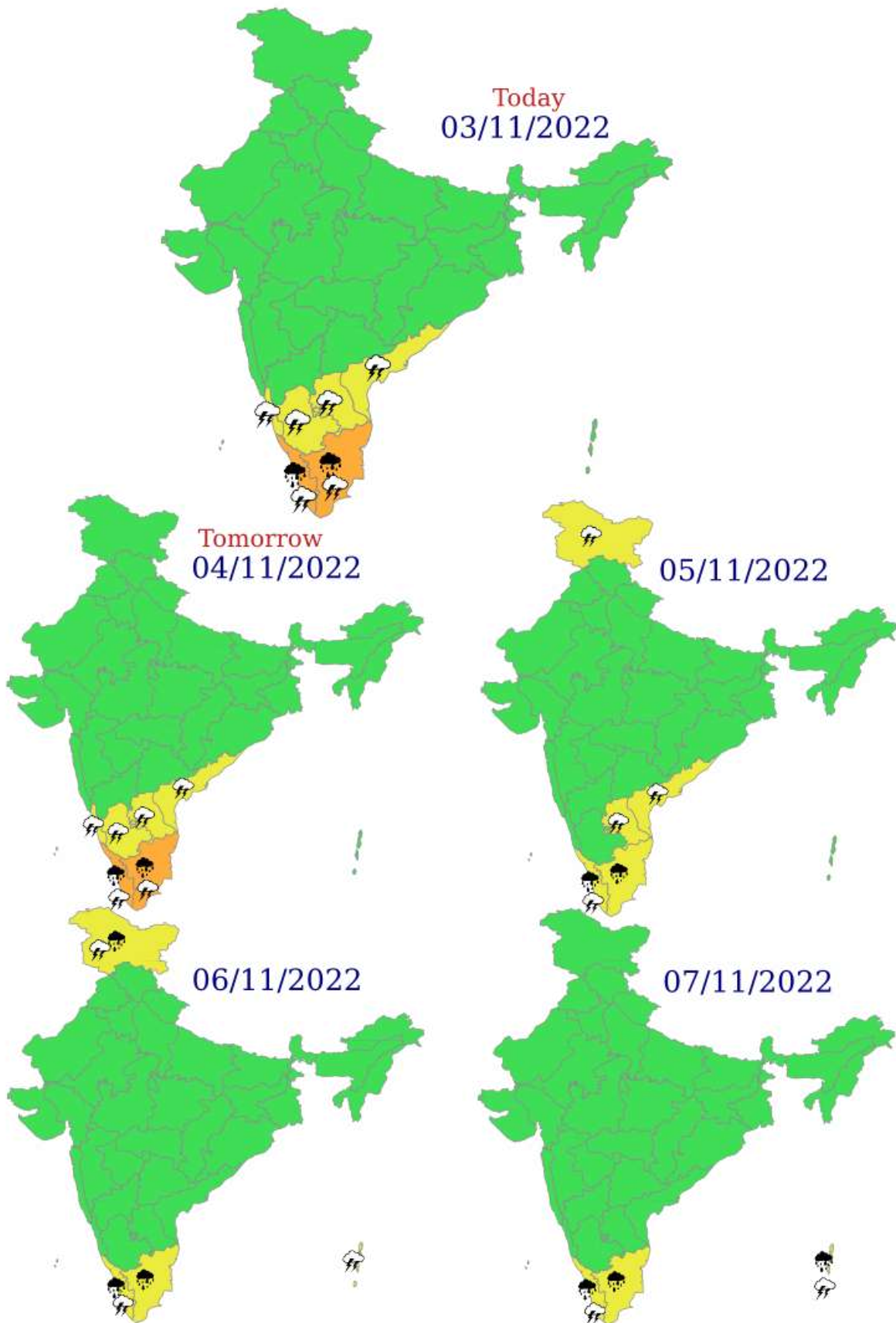
Annexure I

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

Rainfall (in cm):

TAMILNADU, PUDUCHERRY & KARAIKAL: Sirkali (dist Mayiladuthurai) 22, Thanjavur (dist Thanjavur) 18, Kollidam (dist Mayiladuthurai) 16, Chidambaram (dist Cuddalore) 15, Sethiathope (dist Cuddalore), Chidambaram Aws (dist Cuddalore) 13 each, Thanjavur PTO (dist Thanjavur), Annamalai Nagar (dist Cuddalore), Parangipettai (dist Cuddalore) 12 each, Kattumannar koil (dist Cuddalore), Lalpet (dist Cuddalore), R.s.mangalam (dist Ramanathapuram), Bhuvanagiri (dist Cuddalore) 11 each, Illayangudi (dist Sivaganga) 10, Usilampatti (dist Madurai), Mahabalipuram (dist Chengalpattu), Tarangambadi (dist Mayiladuthurai), Manamadurai (dist Sivaganga) 9 each, Manalmedu (dist Mayiladuthurai), Kamudhi (dist Ramanathapuram) 8 each, Neivasal Thenpathi (dist Thanjavur), Kamudhi Arg (dist Ramanathapuram), Thirukalukundram (dist Chengalpattu), Mylaudy (dist Kanyakumari), Vadipatti (dist Madurai), Tirupuvanam (dist Sivaganga), Maduranthagam (dist Chengalpattu), Aruppukottai Agro (dist Virudhunagar), Ramnad Agro (dist Ramanathapuram) 7 each;

KERALA & MAHE: Neryamangalam ARG (Ernakulam district) 10, Aluva (Ernakulam district) 8, Peruvannamuzhi ARG (Kozhikode district) 7.



IMPACT EXPECTED & ACTION SUGGESTED DUE TO- Isolated very heavy rainfall over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe on 03rd & 04th November, 2022.

A. Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly 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.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

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

