



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 03rd September, 2022
Time of Issue: 1245 hrs IST

Subject: (i) Heavy rainfall spell likely to continue over extreme south Peninsular & Northeast India during next 4-5 days and over Bihar and Sub-Himalayan West Bengal & Sikkim during next 3 days.
(ii) Subdued rainfall activity likely to continue over plains of Northwest India and over Central India during next 5 days.

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I)

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

- The western end of **monsoon trough** at mean sea level lies along the foothills of Himalayas and eastern end runs north of its normal position. The eastern end is likely to shift southward from 05 September onwards.
- A cyclonic circulation lies over Lakshadweep area & adjoining southeast Arabian Sea and extends upto mid tropospheric levels.
- **Under the influence of the above systems:**
 - Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 4 days. **Isolated very heavy rainfall also likely over Arunachal Pradesh on 03rd & 04th and Assam & Meghalaya on 03rd September, 2022.**
 - Fairly widespread/widespread rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Bihar and Sub-Himalayan West Bengal & Sikkim during 03rd-05th; Jharkhand & Gangetic West Bengal on 04th; Odisha on 05th & 06th; East Madhya Pradesh on 03rd; Chhattisgarh on 03rd & 07th; and Andaman & Nicobar Islands during 03rd-06th September. **Isolated very heavy rainfall over Sub-Himalayan West Bengal & Sikkim on 03rd & 04th and Andaman & Nicobar Islands on 06th September, 2022.**
 - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka during next 5 days; Kerala & Mahe during 04th-07th; Coastal Karnataka and Lakshadweep during 05th-07th; North Interior Karnataka on 04th, 06th & 07th; Rayalaseema during 04th-06th and Coastal Andhra Pradesh & Yanam on 05th & 06th September. **Isolated very heavy rainfall also likely over South Interior Karnataka and Kerala & Mahe on 06th & 07th; Tamil Nadu, Puducherry & Karaikal and Rayalaseema on 06th and Coastal Karnataka on 07th September, 2022.**
 - Fairly widespread to widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir on 04th; Himachal Pradesh on 03rd & 04th; Uttarakhand during 03rd-05th September, 2022. **Isolated very heavy rainfall also likely over Uttarakhand on 04th September, 2022.**
 - Subdued rainfall activity over plains of Northwest India and over Central India during next 5 days.

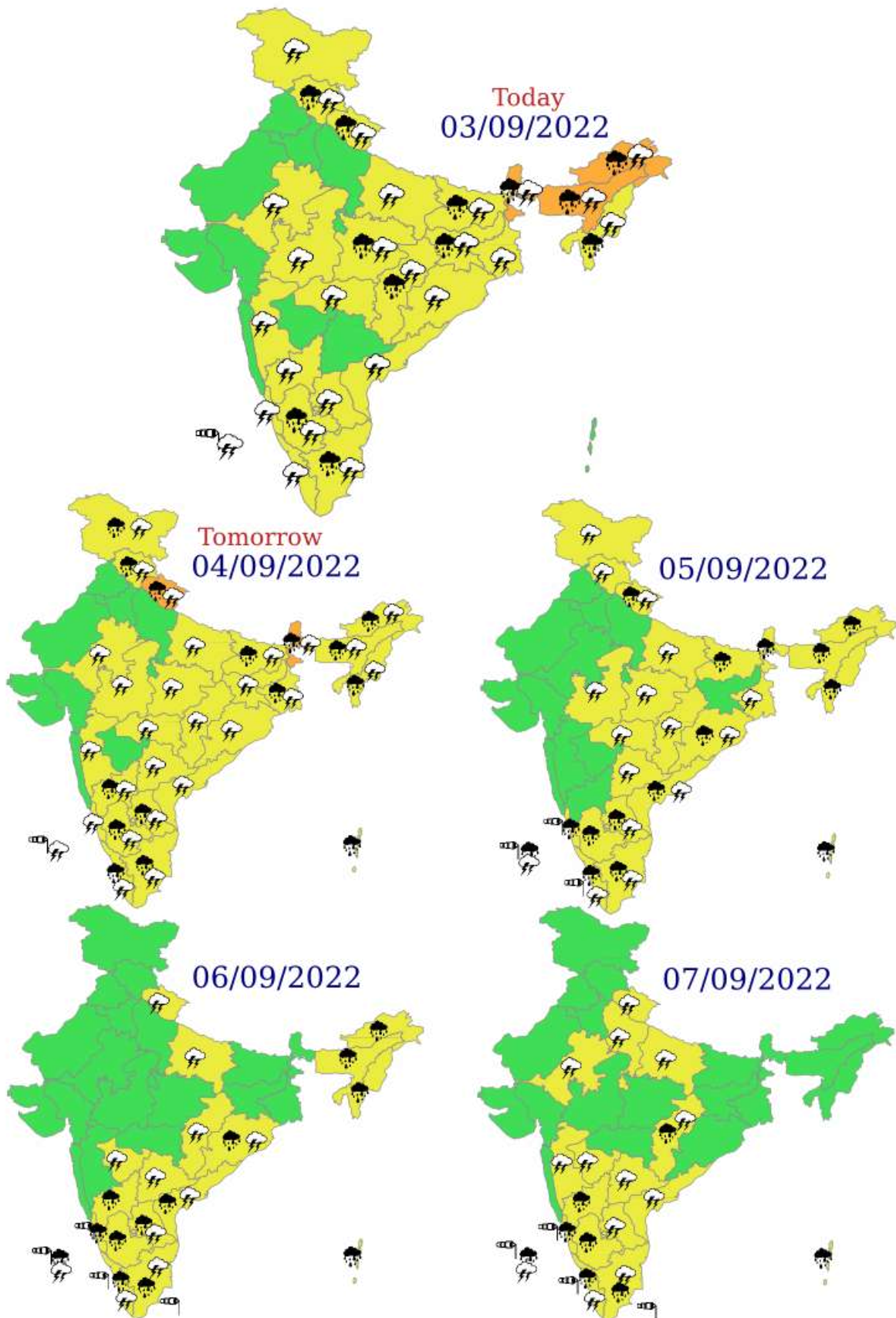
For more details kindly refer:

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

Heavy to very heavy rainfall occurred at isolated places over Meghalaya and **heavy rainfall** at isolated places over Nicobar, Arunachal Pradesh, Assam, Tripura, West Bengal & Sikkim, Odisha, Jharkhand, Bihar, Himachal Pradesh, Chhattisgarh and Tamil Nadu.

Rainfall (in cm):

- ❖ **Meghalaya:** Sohra (dist East Khasi Hills) 15;
- ❖ **Coastal Karnataka:** Belthangadi (dist Dakshina Kannada) 10;
- ❖ **Himachal Pradesh:** Nagrota Nurian (dist Kangra) 10;
- ❖ **Bihar:** Muzaffarpur (dist Mushari) 10, Pachrukhi (dist Siwan) 9, Sangrampur (dist Monghyr) 8, Pusa (dist Samastipur) 7, Hussainganj (dist Siwan) 7, Nauhatta (dist Saharsa) 7;
- ❖ **Nicobar:** Car Nicobar 9;
- ❖ **Gangetic West Bengal:** Manteswar (dist Burdwan) 8;
- ❖ **Assam:** Cachar (dist Cachar) 8;
- ❖ **Arunachal Pradesh:** Basar (dist Lepa Rada) 7, Miao (dist Changlang) 7;
- ❖ **Tripura:** Belonia (South Tripura) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Mathabhanga (dist Cooch Behar) 7, Domohani (dist Jalpaiguri) 7;
- ❖ **Chhattisgarh:** Balrampur (dist Balrampur) 7;
- ❖ **Odisha:** Joda (dist Keonjhar) 7;
- ❖ **Tamilnadu:** Vellakoil (dist Tiruppur) 7;



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Assam & Meghalaya on 03rd; Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh on 03rd & 04th; Uttarakhand on 04th; Tamil Nadu, Rayalaseema and Andaman & Nicobar Islands on 06th; Kerala & Mahe and South Interior Karnataka on 06th & 07th and Coastal Karnataka on 07th September, 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

