



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

**Press Release**  
**Date: 04<sup>th</sup> August, 2022**  
**Time of Issue: 1315 hrs IST**

**Subject: (i) Intense rainfall activity likely to continue over South Peninsula (Tamil Nadu, Kerala and Karnataka) during next 3 days and reduce thereafter.**  
**(ii) Rainfall activity likely to enhance over Gujarat, East Rajasthan, Maharashtra, Goa, Telangana, Chhattisgarh, Madhya Pradesh and Odisha from 06<sup>th</sup> August, 2022.**

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

- **Heavy to very heavy rainfall** occurred at isolated places over Haryana, Uttarakhand, Chhattisgarh, South Interior Karnataka, Tamil Nadu, Jharkhand and Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Delhi, Coastal Andhra Pradesh, Telangana, Rayalaseema, Assam & Meghalaya, North Interior Karnataka, Madhya Pradesh, Madhya Maharashtra, Marathwada and Mizoram. (**Annexure I**).

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

- A shear zone runs roughly along 11°N over South Peninsular India in middle tropospheric levels. It is likely to shift gradually northwards during next 4-5 days.
- The monsoon trough lies south of its normal position. It will continue to remain so during next 4-5 days.
- A Low Pressure Area is likely to form over Northwest & adjoining Westcentral Bay of Bengal around 07<sup>th</sup> August, 2022.
- **Under the influence of above systems:**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Lakshadweep on 04<sup>th</sup>; Rayalaseema on 05<sup>th</sup>; Coastal Andhra Pradesh & Yanam during 06<sup>th</sup> - 08<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal during 04<sup>th</sup>-06<sup>th</sup> and over Telangana, Karnataka, and Kerala & Mahe during 04<sup>th</sup>-08<sup>th</sup> August, 2022.
    - ✓ **Isolated very heavy rainfall likely over Rayalaseema on 04<sup>th</sup>; Coastal & South Interior Karnataka during 04<sup>th</sup> - 06<sup>th</sup>; North Interior Karnataka on 05<sup>th</sup>; Kerala & Mahe on 05<sup>th</sup>; ghat areas of Tamil Nadu on 05<sup>th</sup>, Telangana during 06<sup>th</sup> - 08<sup>th</sup> and Coastal Andhra Pradesh on 08<sup>th</sup> August, 2022.**
    - ✓ **Isolated extremely heavy rainfall also likely over ghat areas of Tamil Nadu and Kerala & Mahe on 04<sup>th</sup> and over Coastal & South Interior Karnataka on 05<sup>th</sup> August, 2022.**
  - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Chhattisgarh & Madhya Pradesh during 04<sup>th</sup>-08<sup>th</sup>; Vidarbha and Saurashtra & Kutch during 06<sup>th</sup> - 08<sup>th</sup>; Madhya Maharashtra, Marathwada, Gujarat Region and Konkan & Goa during 04<sup>th</sup>-08<sup>th</sup> August, 2022.
    - ✓ **Isolated/scattered very heavy rainfall also likely over Chhattisgarh during 05<sup>th</sup>-8<sup>th</sup>; over Madhya Pradesh, Vidarbha and Gujarat State on 08<sup>th</sup> and over Madhya Maharashtra & Konkan & Goa during 05<sup>th</sup>-08<sup>th</sup> August, 2022.**
  - Fairly widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Sub-Himalayan West Bengal & Sikkim on 05<sup>th</sup>; over Jharkhand 06<sup>th</sup> & 07<sup>th</sup> and Odisha during 05<sup>th</sup>-08<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura during 04<sup>th</sup>-08<sup>th</sup>; over Andaman & Nicobar Islands during 04<sup>th</sup>-06<sup>th</sup> and over Assam & Meghalaya on 04<sup>th</sup>-05<sup>th</sup> August, 2022.
    - ✓ **Isolated very heavy rainfall also likely over Odisha on 07<sup>th</sup> & 8<sup>th</sup> August, 2022.**

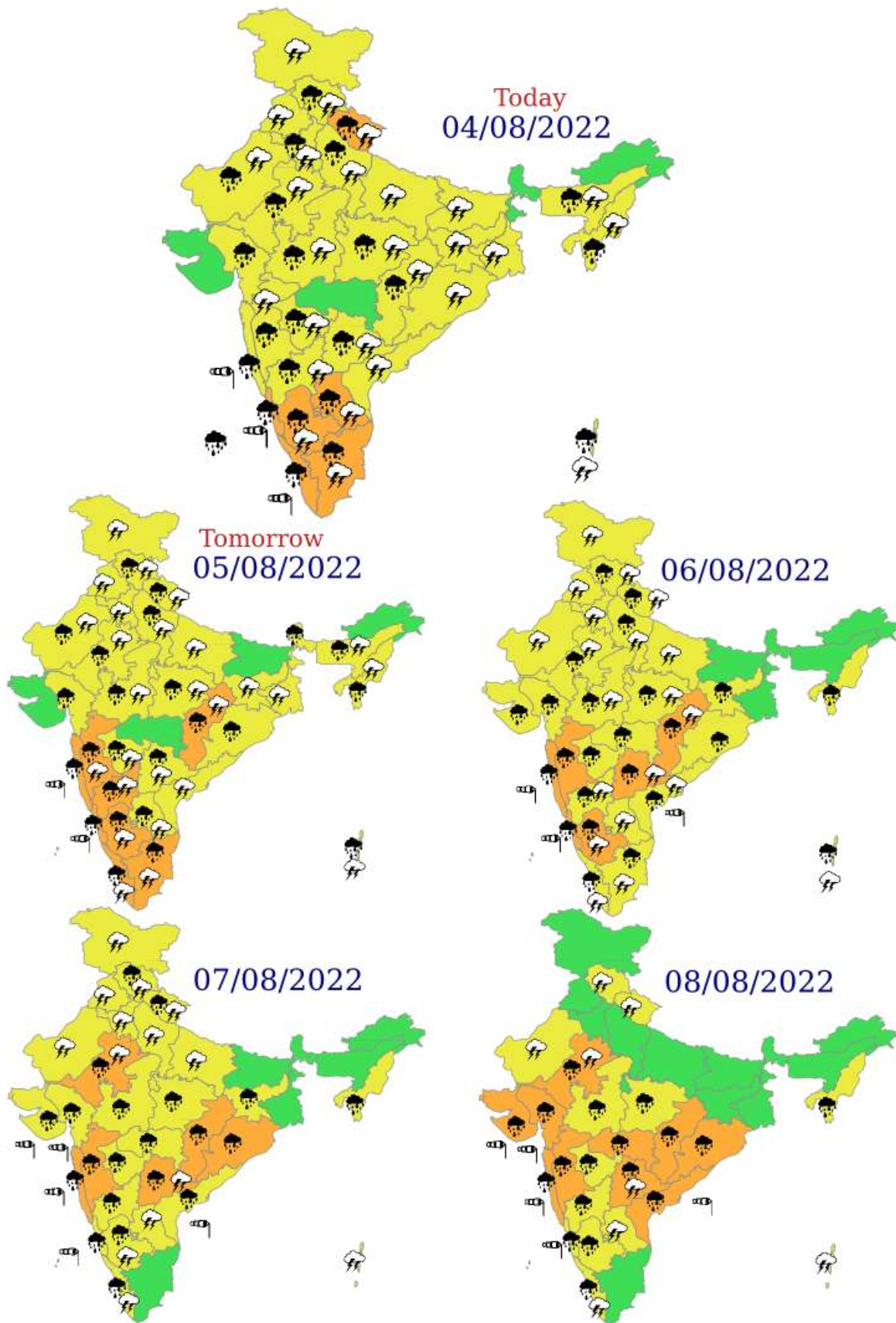
- Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Himachal Pradesh and Uttarakhand during 04<sup>th</sup>-07<sup>th</sup>; West Uttar Pradesh during 4<sup>th</sup>-6<sup>th</sup>; over Haryana-Chandigarh-Delhi on 04<sup>th</sup>; West Rajasthan on 04<sup>th</sup> & 05<sup>th</sup> and over East Rajasthan during next 5 days.
- ✓ **Isolated very heavy rainfall also likely over Uttarakhand on 4<sup>th</sup> and over East Rajasthan on 07<sup>th</sup> & 08<sup>th</sup> August, 2022.**

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)

## Annexure I

### Rainfall (in cm):

- ❖ **Chhattisgarh:** Kusmi (dist Balrampur) 15, Shankargarh (dist Balrampur) 9, Gidam (dist Dantewada) 9, Kuakonda (dist Dantewada) 8, Kunkuri (dist Jashpur) 7, Orcha (dist Narayanpur) 7;
- ❖ **Haryana:** Tajewala (dist Yamuna Nagar) 15, Dadupur (dist Yamuna Nagar) 11, Partapnagar Rev (dist Yamuna Nagar) 9, Assandh (dist Karnal) 7,
- ❖ **Uttarakhand:** Haripur (Dehradun)- 14; Uttar Kashi-11;
- ❖ **Tamil Nadu:** Chinnakalar (dist Coimbatore) 14, Valparai Taluk Office (dist Coimbatore), Valparai PTO (dist Coimbatore), Valparai PAP (dist Coimbatore) 12 each, Sholayar (dist Coimbatore) 9, Cincona (dist Coimbatore), Hosur AWS (dist Krishngiri) 7;
- ❖ **Kerala & Mahe and Lakshadweep:** Aryankavu (Kollam district) & Peerumedu (Idukki district) 14 each, Vellanikkara, Chalakkudy & Enamakkal (all in Thrissur district) 13 each, Vilangankunnu ARG (Thrissur district) 11, Irinjalakuda (Thrissur district) & Parambikulam (Palakkad district) 9 each, Munnar (Idukki district) & Nilambur (Malappuram district) 8 each, Agathi & Amini (both in Lakshadweep UT) & Idukki 7;
- ❖ **South Interior Karnataka:** Napoklu (dist Kodagu) 12, Bhagamandala (dist Kodagu) 10, Ramanagara (dist Ramanagara) 9, Turuvekere (dist Tumakuru) 8,
- ❖ **Himachal Pradesh:** Solan: Kasauli-11, Kangra: Nagrota Surian-10;
- ❖ **Jharkhand:** Ranchi: Mandar-12; Gumla: Bishnupur-7, Raidih-8; Khunti: Diyakel Khunti-7;
- ❖ **Telangana:** Nirmal (dist Nirmal) 10, Sirpuru (dist Kumaram Bheem) 9, Shadnagar (dist Rangareddy) 9, Nirmal(arg) (dist Nirmal) 8, Chegunta (dist Medak) 8, Gopalpet (dist Wanaparthy) 7, Bachhanpet (dist Jangaon) 7, Jangaon (dist Jangaon) 7;
- ❖ **Rayalaseema:** Aspari (dist Kurnool) 9, Penu Konda (dist Anantapuramu) 8, Sambepalle (dist Ysr District) 7, Nallamada (dist Anantapuramu) 7, Rajampet (dist Ysr District) 7;
- ❖ **West Madhya Pradesh:** Mau (dist Bhind) 9, Jhabua-aws (dist Jhabua) 7;
- ❖ **Madhya Maharashtra:** Rahuri (dist Ahmednagar) 8, Ahmednagar - Imd Pt (dist Ahmednagar) 8, Karjat (dist Ahmednagar) 7, Karmala (dist Sholapur) 7, Hatkanangale (dist Kolhapur) 7,
- ❖ **East Madhya Pradesh:** Mada (dist Singrauli) 9, Singrauli-aws (dist Singrauli) 8, Birsa (dist Balaghat) 7;
- ❖ **Assam:** Kokrajhar-10; Barpeta-7;
- ❖ **Marathwada:** Nanded - Imd Parttime (dist Nanded) 9,
- ❖ **Coastal Andhra Pradesh:** Polavaram (dist West Godavari) 7;
- ❖ **East Delhi:** Mayur Vihar-7;
- ❖ **North Interior Karnataka:** Khajuri (dist Kalaburgi) 7;
- ❖ **Mizoram:** Aizwal-8;



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**i) Isolated extremely heavy rainfall over** ghat areas of Tamil Nadu and Kerala & Mahe on 04<sup>th</sup> and over Coastal & South Interior Karnataka on 05<sup>th</sup> August, 2022.

**ii) Isolated very heavy rainfall over** Rayalaseema on 04<sup>th</sup>; Coastal & South Interior Karnataka during 04<sup>th</sup> - 06<sup>th</sup>; Kerala & Mahe on 05<sup>th</sup>; North Interior Karnataka on 05<sup>th</sup>; ghat areas of Tamil Nadu on 05<sup>th</sup>; Telangana during 06<sup>th</sup> - 08<sup>th</sup>; Coastal Andhra Pradesh on 08<sup>th</sup>; Chhattisgarh during 05<sup>th</sup>-8<sup>th</sup>; Madhya Pradesh and Vidarbha and Gujarat State on 08<sup>th</sup>; Madhya Maharashtra and Konkan & Goa during 05<sup>th</sup>-08<sup>th</sup> August, 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT ( BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING ( NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

