



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

**Press Release**  
**Date: 30<sup>th</sup> July, 2022**  
**Time of Issue: 1330 hrs IST**

**Subject: (i) Heavy rainfall activity likely to continue over Northwest Indian plains today and decrease thereafter.**  
**(ii) Heavy to very heavy rainfall activity likely to continue over the Western Himalayas during next 5 days.**  
**(iii) Very heavy rainfall activity likely over Sub-Himalayan West Bengal during 30th-31st July, over Bihar during 31st July-01st August and heavy rainfall over remaining parts of East & Northeast India during 30th July-02nd August and decrease thereafter.**  
**(iv) Rainfall activity is likely to gradually enhance over Peninsular India from tomorrow, the 31st July, 2022.**

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

- **Heavy to very heavy rainfall** occurred at isolated places over Uttarakhand, East Uttar Pradesh, Coastal Karnataka and Tamil Nadu and **heavy rainfall** at isolated places over Himachal Pradesh, Haryana, West Uttar Pradesh, East Madhya Pradesh, East Rajasthan, West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Telangana, Interior Karnataka, Rayalaseema and Kerala & Mahe. (**Annexure I**).

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

- The **monsoon trough** at mean sea level lies north of its normal position. It is likely to continue to be north of its normal position during next 4-5 days.
- **Under the influence of above system;**
  - Fairly widespread/widespread rainfall activity with **isolated heavy falls** and **thunderstorm/lightning** very likely over Uttarakhand during 30<sup>th</sup> July- 03<sup>rd</sup> August; Jammu & Kashmir, Punjab and Haryana, Chandigarh & Delhi on 30<sup>th</sup>; Himachal Pradesh on 30<sup>th</sup> & 31<sup>st</sup>; West Uttar Pradesh on 30<sup>th</sup> July, 02<sup>nd</sup> & 03<sup>rd</sup> August and East Uttar Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> August, 2022.
    - ✓ **Isolated very heavy rainfall also very likely over Uttarakhand on 30<sup>th</sup> & 31<sup>st</sup> July and 02<sup>nd</sup> August, 2022.**
  - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Bihar during 30<sup>th</sup> July- 02<sup>nd</sup> August; Jharkhand during 31<sup>st</sup> July- 02<sup>nd</sup> August; Gangetic West Bengal on 31<sup>st</sup> July & 01<sup>st</sup> August; Odisha on 01<sup>st</sup> August; Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 4 days and Arunachal Pradesh on 30<sup>th</sup> July, 2022.
    - ✓ **Isolated very heavy rainfall also very likely over Bihar on 31<sup>st</sup> July & 01<sup>st</sup> August; Sub-Himalayan West Bengal & Sikkim on 30<sup>th</sup> & 31<sup>st</sup> July and Assam & Meghalaya on 31<sup>st</sup> July, 2022.**
  - Scattered to fairly widespread rainfall with **thunderstorm & lightning** very likely to continue over Central India during next 4-5 days with isolated **heavy falls** over East Madhya Pradesh and Chhattisgarh on 30<sup>th</sup> July and 03<sup>rd</sup> August, 2022.

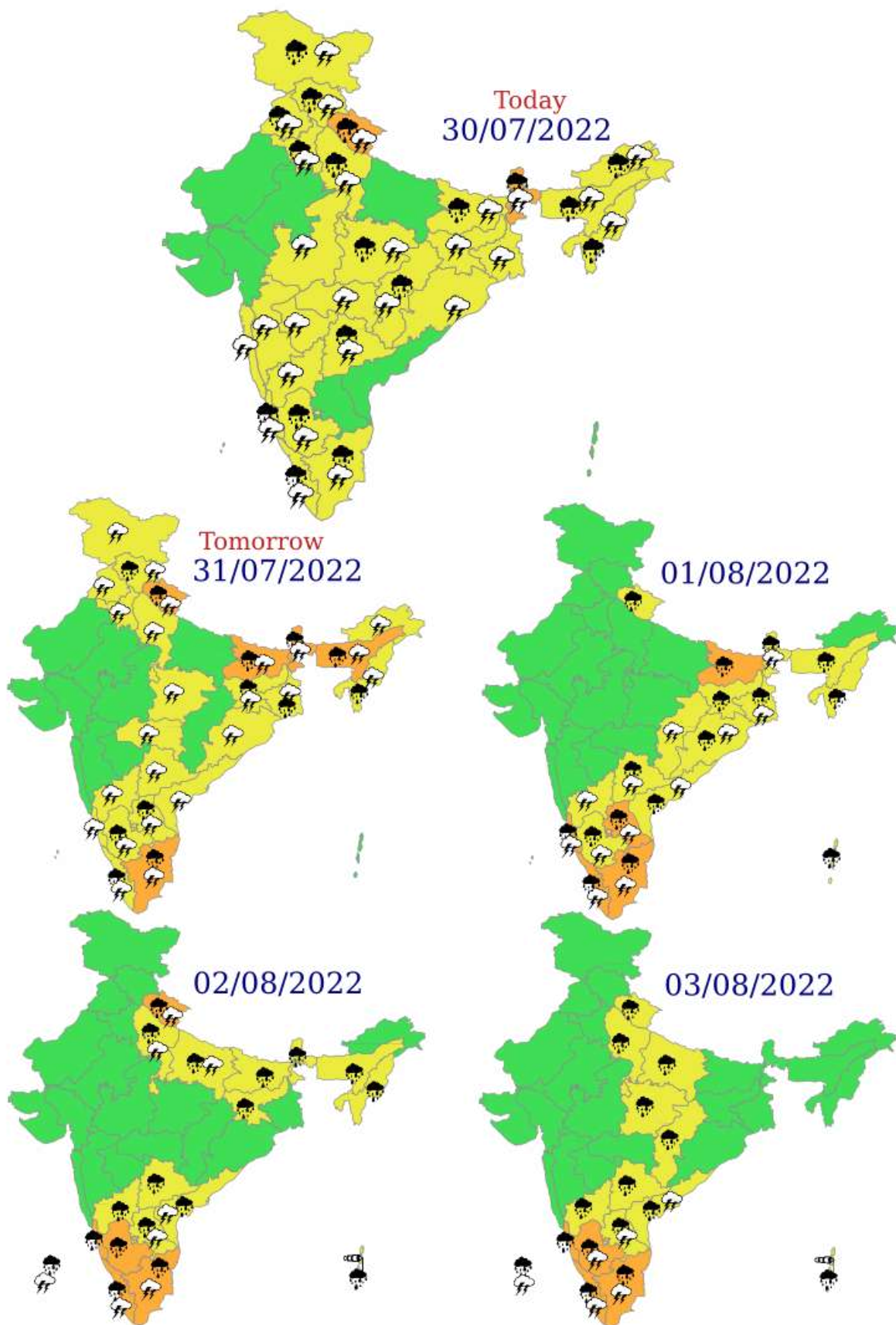
- A North-south trough runs from North Interior Karnataka to Comorin area across South Interior Karnataka and Interior Tamilnadu at lower tropospheric levels. It is likely to persist till tomorrow.
- A cyclonic circulation lies over Southcentral Bay of Bengal between 0.9 km & 3.1 km above mean sea level. It is likely to gradually move westwards towards the east peninsular coast of India during next 5 days.
- **Under the influence of above systems;**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam during 01<sup>st</sup> – 03<sup>rd</sup> August; Telangana during 30<sup>th</sup> July & 01<sup>st</sup> – 03<sup>rd</sup> August; Coastal Karnataka on 30<sup>th</sup> July & 01<sup>st</sup> – 03<sup>rd</sup> August; South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 30<sup>th</sup> July – 01<sup>st</sup> August; Rayalaseema during 31<sup>st</sup> July – 03<sup>rd</sup> August and North Interior Karnataka and Lakshadweep on 02<sup>nd</sup> & 03<sup>rd</sup> August, 2022.
  - ✓ **Isolated very heavy rainfall likely over Rayalaseema on 01<sup>st</sup> August; Coastal Karnataka and Kerala & Mahe during 01<sup>st</sup>-03<sup>rd</sup> August; South Interior Karnataka on 02<sup>nd</sup> & 03<sup>rd</sup> August and Tamil Nadu, Puducherry & Karaikal during 31<sup>st</sup> July-03<sup>rd</sup> August, 2022.**

For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.p](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.p)

## Annexure I

### Rainfall (in cm):

- ❖ **East Uttar Pradesh:** Balrampur(T) (dist Balrampur) 18, Balrampur (dist Balrampur) 11, Chanderdeepghat (dist Gorakhpur) 11, Kunda (dist Pratapgarh) 10, Lucknow (HS) (dist Lucknow) 9, Kannauj (dist Kannauj) 7, Ghorawal (dist Sonbhadra) 7, Azamgarh (dist Azamgarh) 7,
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Periyakulam (dist Theni) 15, Vaigai Dam (dist Theni) 9,
- ❖ **Coastal Karnataka:** Panambur Obsy (dist Dakshina Kannada) 13, Mangaluru Ap Obsy (dist Dakshina Kannada) 8,
- ❖ **Uttarakhand:** Roshnabad (dist Haridwar) 13, Dhanaulti (dist Tehri Garhwal) 10, Narendranagar (dist Tehri Garhwal) 9, Khatima (dist Udham Singh Nagar) 8, Ganganagar (dist Rudraprayag) 8, Jollygrant (dist Dehradun) 8, Srinagar (dist Pauri Garhwal) 7, Mussoorie (dist Dehradun) 7, Loharkhet (dist Bageshwar) 7, Ranikhet (dist Almora) 7,
- ❖ **Telangana:** Makthal (dist Narayanpet) 9, Narayanpet (dist Narayanpet) 9,
- ❖ **Gangetic West Bengal:** Durgapur (DVC) (dist West Burdwan) 9, Durgapur (CWC) (dist West Burdwan) 8,
- ❖ **East Madhya Pradesh:** Kumdam (dist Jabalpur) 9, Devendranagar (dist Panna) 9, Sihora (dist Jabalpur) 7,
- ❖ **West Uttar Pradesh:** Hathras (dist Mahamayanagar) 9,
- ❖ **East Rajasthan:** Khanpur (dist Jhalawar) 9,
- ❖ **North Interior Karnataka:** Devarhippargi (dist Vijayapura) 9, Saidapur (dist Yadgir) 9, Kembhavi (dist Yadgir) 7,
- ❖ **Haryana:** Panchkula Aws (dist Panchkula) 9, Paundri Rev (dist Kaithal) 7, Kalka (dist Panchkula) 7, Hodal (dist Palwal) 7, Morni (dist Panchkula) 7, Panchkula (dist Panchkula) 7,
- ❖ **Himachal Pradesh:** Kothi (dist Kullu) 8, Nahan (dist Sirmaur) 7, Solan (dist Kandaghat) 7,
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Pakyong (dist Pakyong) 8, Buxaduar & Chepan (dist Alipurduar) 7,
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kohima (dist Kohima) 8, Chottabekra (dist Imphal West) 7,
- ❖ **Rayalaseema:** Holagunda (dist Kurnool) 8,
- ❖ **South Interior Karnataka:** Santhebennur (dist Davangere) 8, Bhagamandala (dist Kodagu) 7,
- ❖ **Kerala & Mahe:** Kudulu (dist Kasaragode) 7,
- ❖ **Assam & Meghalaya:** Khetri (dist Kamrup) 7, Bakulia (dist Karbi Anglong) 7.



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

**Isolated very heavy rainfall** over Uttarakhand on 30<sup>th</sup> & 31<sup>st</sup> July and 02<sup>nd</sup> August; Bihar on 31<sup>st</sup> July & 01<sup>st</sup> August; Sub-Himalayan West Bengal & Sikkim on 30<sup>th</sup> & 31<sup>st</sup> July; Assam & Meghalaya on 31<sup>st</sup> July; Rayalaseema on 01<sup>st</sup> August; Coastal Karnataka and Kerala & Mahe during 01<sup>st</sup>-03<sup>rd</sup> August; South Interior Karnataka on 02<sup>nd</sup> & 03<sup>rd</sup> August and Tamil Nadu, Puducherry & Karaikal during 31<sup>st</sup> July-03<sup>rd</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.

**EXPECTED IMPACT & ACTION SUGGESTED** due to **thunderstorm associated with frequent cloud to ground lightning** over north Indian plains today, the 30<sup>th</sup> July, 2022.

### A. Impact Expected:

- Damage to power and communication lines due to breaking of tree branches.
- Damage to standing crops.
- Lightning strikes to ground.
- Flash flood due to associated rain

### B. Action Suggested

- Do not take shelter under isolated trees.
- Immediately get out of and away from ponds, lakes, and outdoor watery area (e.g. paddy transplantation).

- Go indoors or seek safe pukka shelters after hearing thunder. Stay indoors for 30 minutes after hearing the last clap of thunder.
- If no shelter is available, immediately get into the lightning crouch.
- During travel, stay inside car or bus or train when thunderstorm occurs.
- Do not use electric/ electronic appliance.
- Stay away from downed power lines.

**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)		



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

