



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 02nd August, 2022
Time of Issue: 1320 hrs IST

Subject: (i) Extremely heavy rainfall spells likely to continue over parts of South Peninsular India during next 3 days.
(ii) Subdued rainfall activity over Central parts of the country is likely to continue till 04th August & gradually increase thereafter.

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

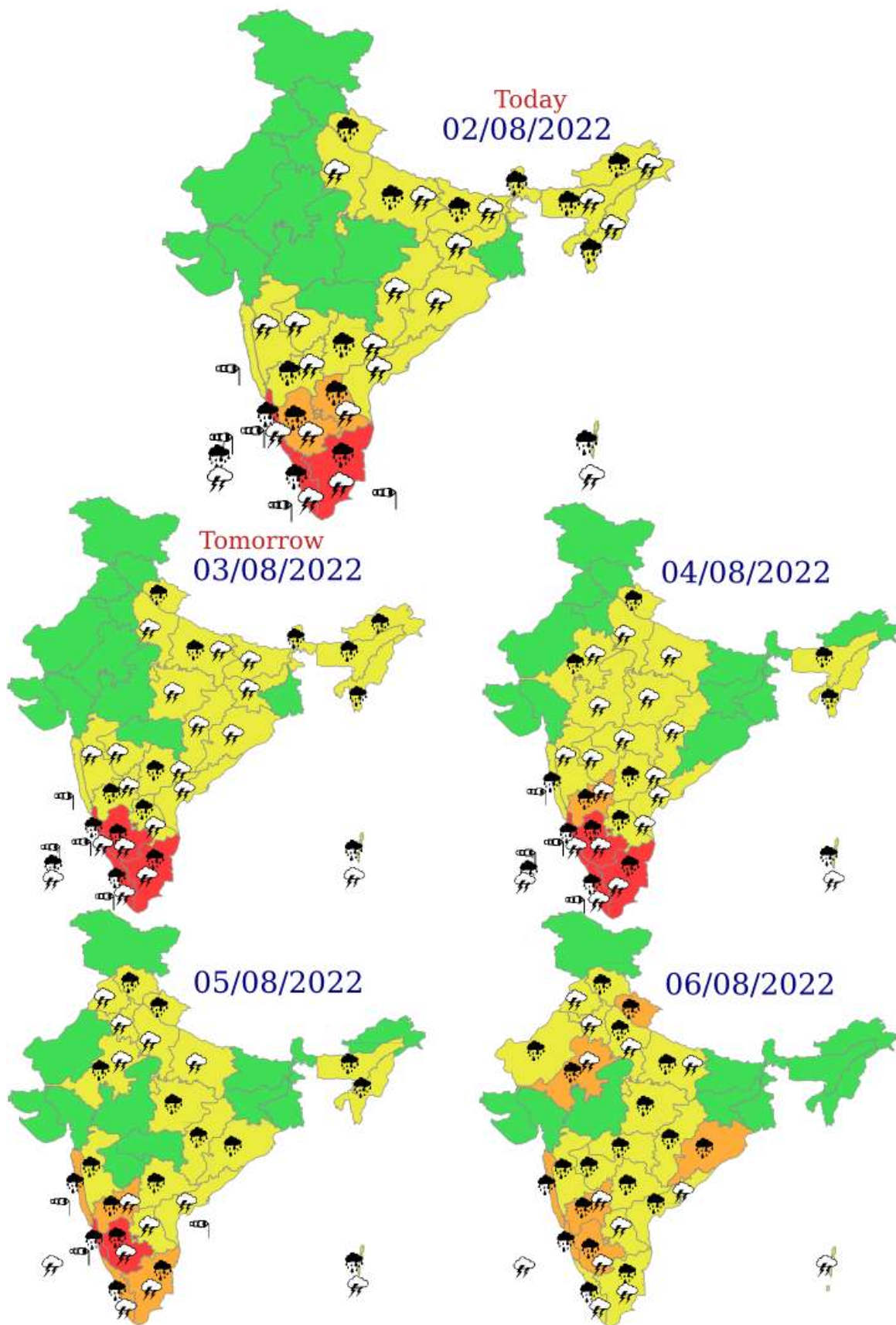
- **Extremely heavy rainfall** occurred at isolated places over Coastal Karnataka and Kerala **heavy to very heavy rainfall** occurred at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim, Tamil Nadu, South Interior Karnataka and Rayalaseema and **heavy rainfall** at isolated places over south Haryana, East Rajasthan, East Uttar Pradesh, Uttarakhand, Odisha, Assam, Telangana, Gangetic West Bengal, Lakshadweep and North Interior Karnataka. (**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 northward during next 4-5 days.
- A north-south trough runs from south Chhattisgarh to Comorin area at lower tropospheric levels.
- The western end of monsoon trough at mean sea level lies north of its normal position and its eastern end is near its normal position. The monsoon trough is very likely to be near normal or south of its normal position from 05th August onwards.
- **Under the influence of above system:**
 - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Rayalaseema and Lakshadweep during 02nd-04th; south Coastal Andhra Pradesh & Yanam on 06th and over Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd-06th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over Rayalaseema on 02nd; South Interior Karnataka on 02nd & 06th; North Interior Karnataka during 04th-06th; Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal on 05th and over Coastal Karnataka on 06th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over Kerala & Mahe and adjoining Tamil Nadu during 02nd-04th; South Interior Karnataka on 03rd-05th and over Coastal Karnataka during 02nd-05th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Konkan & Goa during 04th-06th; Chhattisgarh, East Madhya Pradesh and Madhya Maharashtra on 05th & 06th; Vidarbha and Marathwada on 06th August, 2022.
 - ✓ **Isolated/scattered very heavy rainfall also very likely over Konkan & Goa on 5th & 06th August, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Bihar 02nd; Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd; Odisha on 05th & 06th and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 02nd-05th August, 2022.
 - ✓ **Isolated very heavy rainfall also very likely over Odisha on 06th August, 2022.**

Rainfall (in cm):

- ❖ **Coastal Karnataka:** Shirali Pto (dist Uttara Kannada) 29, Subramanya (dist Dakshina Kannada) 22, Karwar Obsy (dist Uttara Kannada) 11, Manki (dist Uttara Kannada) 10, Haliyal (dist Uttara Kannada) 6;
- ❖ **Kerala:** Enamakal (Thrissur district) 23, C.I.A.L. Kochi (Ernakulam district), Kodungallur & Chalakkudy (both in Thrissur district) 21 each, Aluva (Ernakulam district) 18, Neryamangalam ARG (Ernakulam district) 17, Peerumedu (Idukki district), Piravam (Ernakulam district), Ernakulam South, Perumbavur (Ernakulam district), Kollengode (Palakkad district), Ambalavayal (Wayanad district) & Vilangankunnu ARG (Thrissur district) 15 each, NAS Kochi & Muvattupuzha ARG (both in Ernakulam district) 14 each, Vellanikkara (Thrissur district), Kozha (Kottayam district) & Chittur (Palakkad district) 13 each, Thodupuzha (Idukki district), Pattambi & Thrithala (both in Palakkad district) & Palluruthy ARG (Ernakulam district) 11 each, Aryankavu (Kollam district), Kanjirappally (Kottayam district) & Thenmala ARG (Kollam district) 9 each, Ponnani & Perinthalamanna (both in Malappuram district) 8 each, Agathi (Lakshadweep UT), Idukki, Munnar (Idukki district) & Vythiri (Wayanad district) 7 each;
- ❖ **Sub-Himalayan West Bengal:** Jalpaiguri: Buxaduar -19, Kumargram-18, Alipurduar & Barobhisha-11 each, Darjeeling-10, West Sikkim-9;
- ❖ **South Interior Karnataka:** Mandya Pto (dist Mandya) 14, Tyagarthi (dist Shivamogga) 12, Bhagamandala (dist Kodagu) 12, Kunigal (dist Tumakuru) 11, Ramanagara (dist Ramanagara) 11, Chintamani Pto (dist Chikaballapura) 10, Madhugiri (dist Tumakuru) 10, Malavalli (dist Mandya) 8, Kollegal (dist Chamarajanagar) 8, Magadi (dist Ramanagara) 7;
- ❖ **Rayalaseema:** Nandikotkur (dist Kurnool) 13, Jupadu Bungalow (dist Kurnool) 12, Kurnool (dist Kurnool) 9, Orvakal (dist Kurnool) 9, Owk (dist Kurnool) 7, Venkatagiri Kota (dist Chittoor) 7;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Coimbatore: Chinnakalar & Valapari-13 each, Cincona & Sholayar-12 each, Ranipet: Wallajah-12, Kalavai-10, Dharmapuri: Palacode-9, Cuddalore & salem-8 each, Krishnagiri & Kanyakumari- 7 each;
- ❖ **Bihar:** West Champaran-12, Muzaffarpur & Gopalganj-10 each, East Champaran-9, Samastipur-8, Begusarai-7;
- ❖ **Gangetic West Bengal:** Birbhum-12;
- ❖ **East Uttar Pradesh:** Gorakhpur: Birdghat-10, Bansaon-9;
- ❖ **North Interior Karnataka:** Gangavathi (dist Koppal) 10, Khajuri (dist Kalaburgi) 9, Gangavathi Arg (dist Koppal) 7, Maski (dist Raichur) 7, Hirekerur (dist Haveri) 5;
- ❖ **Telangana:** Alampur (dist Jogulamba Gadwal) 9, Maldakal (dist Jogulamba Gadwal) 9, Hanamkonda (dist Warangal_urban) 8, Marriguda (dist Nalgonda) 8, Ghattu (dist Jogulamba Gadwal) 7, Aiza (dist Jogulamba Gadwal) 7, Waddepalli (dist Jogulamba Gadwal) 7;
- ❖ **East Rajasthan:** Tonk-9;
- ❖ **Assam:** Kokrajkar-9;
- ❖ **Odisha:** Kendrapara-9;
- ❖ **Uttarakhand:** Pithoragarh: Didihat-7;
- ❖ **Haryana:** Narnaul (dist Mahendragarh) 7;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated extremely heavy rainfall over Tamil Nadu and Kerala & Mahe during 02nd-04th; South Interior Karnataka on 03rd-05th and over Coastal Karnataka during 02nd-05th August, 2022.

ii) Isolated very heavy rainfall over Rayalaseema on 02nd; South Interior Karnataka on 02nd & 06th; North Interior Karnataka during 04th-06th; Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal on 05th; Coastal Karnataka & Odisha on 06th; Konkan & Goa on 5th & 06th 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.

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)

-  Heavy Rain
-  Strong Winds

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

 **Thunderstorm with Lightning**

 **Heat Wave**