



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

Press Release

Date: 19th October, 2021

Time of Issue: 1300 hrs IST

Subject: i) Significant reduction in rainfall activity likely over Uttarakhand from today, the 19th October, 2021

ii) Intense spell of rainfall activity very likely to continue over East & Northeast India very till 20th October, 2021 and reduction thereafter.

iii) Fresh spell of rainfall activity over south peninsular India (Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and Coastal & South Interior Karnataka) during next 4-5 days.

Significant Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today)(in cm): Uttarakhand: Nainital, Pantnagar(Udham Singh Nagar)-40; Mukteshwar Kumaon-34; Champawat-32; Almora-22; Pithoragarh-21; Bageshwar-20; Chamoli-19; Kotdwar-14; Deoprayag-12; Rudraprayag-11; Tehri-7; **Himachal Pradesh:** Kinnaur-7; **West Uttar Pradesh:** Baheri (Bareilly)-54; Nawabganj-26; Rampur, Shahjahanpur-25; Bareilly-18; Pilibhit-14; Hamirpur, Jalaun-11; Bulandshahar, Sambhal-10; Agra-8; Meerut, Amroha-7; **East Uttar Pradesh:** Tirwa (Kannauj)-41; Kheri, Sitapur-23; Farrukhabad-18; Kanpur-13; Maharajganj, Nowgong-7; **Bihar:** Katihar-11; Kishanganj-10; Monghyr, Bhagalpur-9; **Jharkhand:** Koderma-9; Dumka-8; Sahibganj-7; **Odisha:** Dhamnagar, Dhenkanal, Mayurbhanj-7. **Gangetic West Bengal:** Simulia-13; Canning-11; Sagar Island-10; Diamond Harbour, Haldia-9; Suri, Magra, Purulia-8; Basirhat, Kharagpur, Bagati-7; **Sub-Himalayan West Bengal & Sikkim:** Jhalong-20; Darjeeling-17; Mazitar-16; Sukhiapokhri-15; Kalimpong-14; Khanitar, Soreng-13; Rongli-12; Damthang, Gyalsing-11; Gangtok, Pakyong, Contai-10; Ranipool, Mangan, Sankalan, Tadong-9; **East Madhya Pradesh:** Tikamgarh-9; Chhatarpur, Panna-7; **Tamilnadu:** Shivganga-7; **Tripura:** Panisagar-9; **Andaman & Nicobar Islands:** Nancowry-7;

Weather Systems, Forecast and Warnings:

i) As predicted rainfall activity has reduced significantly over northwest & adjoining central India from today, however due to Western Disturbance and its interaction with easterlies at lower levels, fairly widespread rainfall with **isolated heavy rainfall very likely over Uttarakhand on today and dry weather subsequent 3 days.**

Thereafter, a fresh Western Disturbance is very likely to affect Western Himalayan Region from 22nd and cause scattered to fairly widespread rain/snow over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad on 22nd with **isolated heavy rainfall on 23rd; Isolated to Scattered rain/snow over Himachal Pradesh on 22nd & 23rd and Isolated to Scattered rainfall over Uttarakhand, Punjab, Haryana, northwest Rajasthan on 23rd October.**

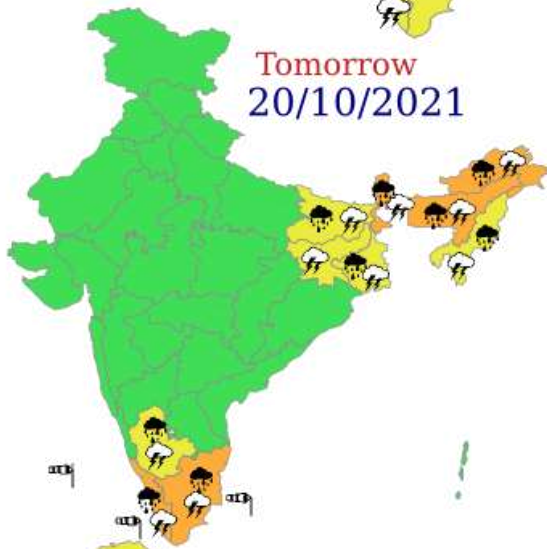
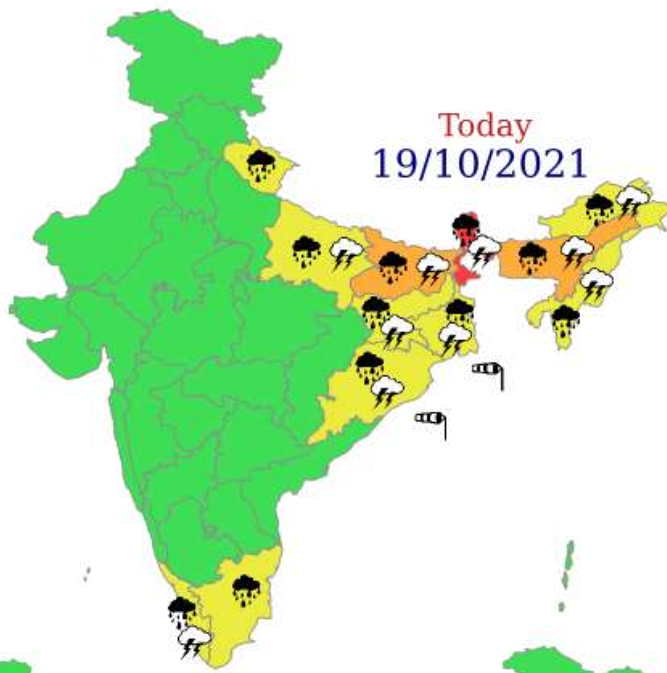
ii) A Low Pressure Area lies over Bihar & neighbourhood. Also due to strong southerly/southeasterly winds from Bay of Bengal, heavy spell of rainfall activity very likely to continue over east & northeast India till 20th October with Fairly wide spread to wide spread light to moderate rainfall with **heavy rainfall with thunderstorms and lightning at isolated places is very likely over Odisha and Jharkhand on 19th; over Gangetic West Bengal on 19th & 20th; over Bihar on**

20th. Isolated **Very heavy falls** also very likely over Sub-Himalayan West Bengal and Arunachal Pradesh on 20th; over Bihar on 19th; over Assam & Meghalaya on 19th & 20th October. **Isolated extremely heavy falls are also very likely over Sub-Himalayan West Bengal & Sikkim on 19th October.**

iii) A fresh spell of easterly wave is likely to affect south Peninsular India and cause fairly widespread to wide spread rainfall with **isolated heavy falls** likely over Kerala & Mahe and Tamilnadu Puducherry & Karaikal during 19th-23rd, over coastal Karnataka during 21st-23rd ; South Interior Karnataka during 20th -23rd October. **Isolated very heavy falls** also very likely over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal on 20th & 21st October.

For detailed forecast and warning refer following page:

[https://mausam.imd.gov.in/imd latest/contents/all india forcast bulletin.php](https://mausam.imd.gov.in/imd%20latest/contents/all%20india%20forcast%20bulletin.php)



EXPECTED IMPACT & ACTION SUGGESTED due to

(i) Isolated Extremely heavy falls over Sub-Himalayan West Bengal & Sikkim on 19th October, 2021.

(ii) Isolated Very Heavy Rainfall over Bihar on 19th; Sub-Himalayan West Bengal and Arunachal Pradesh on 20th, Assam & Meghalaya on 19th & 20th ; over Kerala & Mahe and Tamilnadu, Puducherry& Karaikal on 20th & 21st October, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and 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 kutchra roads.
- Possibilities of damage to vulnerable structure.
- Localized Mudslides/Landslides.
- 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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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)



Thunderstorm with Lightning

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

Kindly download **MAUSAM** APP for location specific forecast & warning, **MEGHDOOT** APP for Agromet advisory and **DAMINI** APP for Lightning Warning & visit state MC/RMC websites for district wise warning.