



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 17th October, 2021

Time of Issue: 1330 hrs IST

Subject: i) Intense spell of rainfall activity over Northwest India likely to continue till 19th October, 2021 and significant reduction thereafter.

ii) Intense spell of rainfall activity over south peninsular India (Kerala & Mahe, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal) likely to reduce from today, the 17th October, 2021.

iii) Intense spell of rainfall activity over east India till 20th and over northeast India during 18th-21st October, 2021.

Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more):

Kerala & Mahe: Idukki-31, Kottayam-27, Thrissur, Kollam-17, Kozhikode-15, Cannur, Pathanamthitta-14, Ernakulam-13, Palakkad-12, Malappuram-11, Thiruvananthapuram-8, Allapuzha, Kasargod-7; **Coastal Karnataka:** Dakshin Kannada-15; **South Interior Karnataka:** Kodagu-10, Mysuru-7; **Odisha:** Balasore-10, Ganjam, Khurda-7; **Coastal Andhra Pradesh & Yanam:** Srikakulam-11, Vizianagram, Guntur-7; **West Madhya Pradesh:** Burhanpur-8; **Telangana:** Karimnagar-15, Rangareddy-10, Jagtial and Mahabubnagar-9 each, Medak-8, Adilabad, Malkajgiri and Siddipet-7; **Tamilnadu:** Tirunelveli-28, Kanyakumari-22, Coimbatore and Salem-9; **Madhya Maharashtra:** Jalgaon-7; **Marathwada:** Hingoli-8, Parbhani and Nanded-7 each; **Vidarbha:** Buldhana-9, Washim-8.

Weather Systems and Forecast and Warnings:

i) A Western Disturbance lies over Afghanistan & neighborhood and is interacting with easterlies at lower levels from Bay of Bengal. It is very likely to continue during next 2-3 days. Under their influence; Fairly wide spread to wide spread light to moderate rainfall with **heavy to very heavy rainfall** at isolated places is very likely over Uttarakhand and west Uttar Pradesh during 17th-19th; over Himachal Pradesh, Haryana & Chandigarh and East Uttar

Pradesh on 17th & 18th; over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad Punjab and northeast Rajasthan on 17th October. **Moderate** rainfall is likely over Delhi on 17, October. **Isolated extremely heavy falls** are also likely over Uttarakhand and West Uttar Pradesh on 18th October, 2021.

ii) **Yesterday's Low pressure area over southeast Arabian Sea & adjoining Kerala has become less Marked and now seen as a trough from south Interior Karnataka to south Tamilnadu at lower levels. Under its influence, isolated heavy rainfall very likely over Coastal Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal on 17th October 2021 and significant reduction thereafter.**

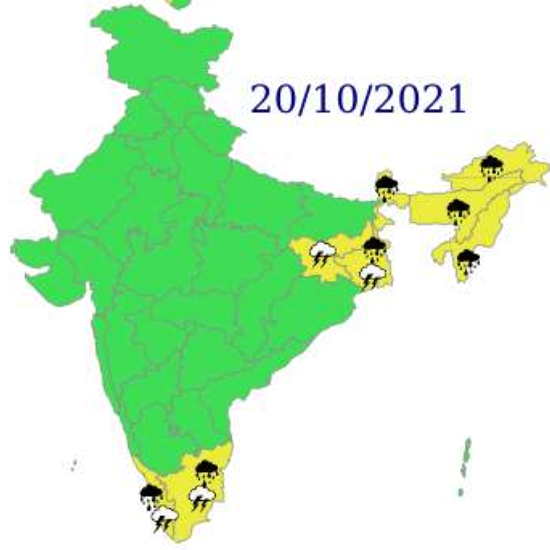
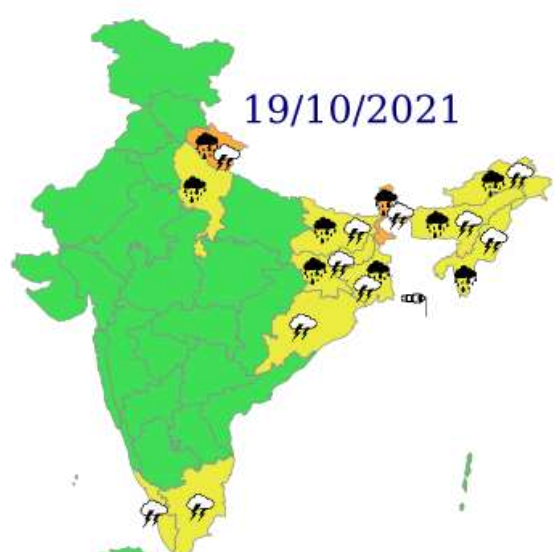
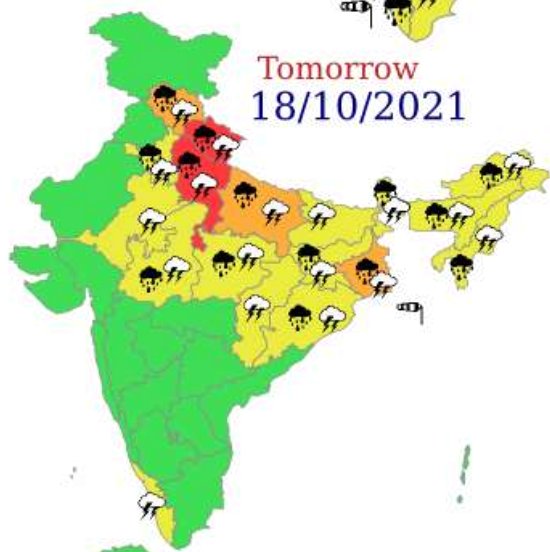
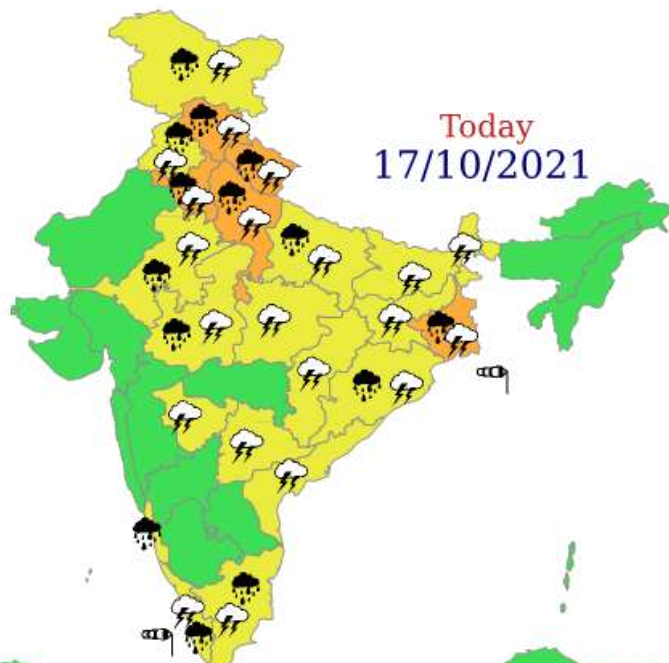
Thereafter, a fresh spell of easterly wave is likely to affect south Peninsular India from 20th October and cause fairly widespread rainfall with **isolated heavy falls** likely over Kerala & Mahe, South Interior Karnataka and Tamilnadu Puducherry & Karaikal from 20th October and likely to continue for subsequent 3-4 days.

iii) **Due to strong easterly winds from Bay of Bengal, heavy spell of rainfall activity very likely to continue over east India till 20th October with** Fairly wide spread to wide spread light to moderate rainfall with **heavy rainfall at** isolated places is very likely over Odisha on 17th & 18th; over Gangetic West Bengal during 17th -20th; over Sub-Himalayan West Bengal & Sikkim during 18th-20th; over Jharkhand on 18th & 19th and Bihar on 19th October. Isolated **Very heavy falls** also very likely over Gangetic West Bengal on 17th & 18th and over Sub-Himalayan West Bengal & Sikkim on 19th & 20th October.

iv) **Due to strong southerly/southeasterly from Bay of Bengal over northeast India during 18th-21st October, 2021** Fairly wide spread to wide spread light to moderate rainfall with **heavy rainfall at** Nagaland, Manipur, Mizoram & Tripura during 18th-20th; over Arunachal Pradesh and Assam & Meghalaya during 18th-21st. Isolated **Very heavy falls** also very likely Arunachal Pradesh and Assam & Meghalaya on 19th & 20th October.

For detailed forecast and warning refer following page:

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



EXPECTED IMPACT & ACTION SUGGESTED due to

(i) Extremely heavy falls over Uttarakhand and West Uttar Pradesh on 18th October, 2021.

(ii) Very Heavy Rainfall over Haryana and West Uttar Pradesh on 17th; over northeast Uttar Pradesh on 18th; over Himachal Pradesh, Gangetic West Bengal on 17th & 18th; over Uttarakhand on 17th & 19th; Sub-Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya on 19th & 20th 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 kutcha 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.

EXPECTED IMPACT & ACTION SUGGESTED due to **thunderstorms, lightning, hail, squall & gusty winds** over Himachal Pradesh and Uttarakhand on 17th & 18th October, 2021 and due to **thunderstorms, lightning & gusty winds** over Punjab and east Rajasthan on 17th, over Haryana, Chandigarh, Delhi, Uttar Pradesh and Madhya Pradesh on 17th & 18th; over Gangetic West Bengal during 17th -19th October, 2021.

A. Impact Expected:

- Damage to thatched huts and asbestos roofed houses and cars. Roof tops may blow off.
- Unattached metal sheets– may fly.
- 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

- Farmers should not go in open fields.
- Cattle grazers and animals should not be in open.
- No fishing or boat movement.
- Mango and litchi orchards should be out of bound for any activity specially by children.
- 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:** 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)



Heavy Rain



Strong Winds



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.