



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 21st August 2026
Time of Issue: 1315 hours IST

**Subject: (i) Under the influence of Low-Pressure Area over northeast Madhya Pradesh & neighbourhood, isolated heavy to very heavy rainfall likely over East Madhya Pradesh on 21st & 22nd August, 2026.
(ii) Subdued rainfall activity likely over Peninsular India during next one week.**

Realised weather during past 24 hours ending at 0830 hours IST of today, the 21st August, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over West Uttar Pradesh, East Madhya Pradesh, Mizoram and Sub-Himalayan West Bengal.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over East Uttar Pradesh, Punjab, Uttarakhand, West Madhya Pradesh, Andaman & Nicobar Islands, Assam and Tamil Nadu.

Weather Systems, Forecast and Warnings (Annexure I & II):

- ❖ The western end of **monsoon trough** at mean sea level is north of its normal position and eastern end is near its normal position.
- ❖ Yesterday's **Well-Marked Low-Pressure Area** over northeast Madhya Pradesh & neighbourhood weakened into a **Low-Pressure Area** and lay over the same region 0830 hrs IST of today, the 21st August, 2026.
- ❖ An **upper air cyclonic circulation** lay over central Myanmar & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lay over north Haryana in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lay over south Gangetic West Bengal & adjoining Jharkhand in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over southwest Madhya Pradesh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over north Bay of Bengal & adjoining Bangladesh in middle tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Westcentral adjoining Northwest Bay of Bengal and north Andhra Pradesh – South Odisha coasts in middle tropospheric level.

Under the influence of above systems, the following weather is likely:

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 21st-23rd August; Himachal Pradesh during 21st-22nd August; Uttarakhand during 21st-27th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi on 22nd August; East Uttar Pradesh during 22nd-24th August.
- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 24th-27th August; Himachal Pradesh during 23rd-27th August.
- ❖ **Isolated to Scattered** rainfall likely over rest parts of northwest India.
- ❖ **Isolated thunderstorm & lightning** likely over Uttarakhand during 21st-27th August.
- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 22nd August; East Uttar Pradesh, Haryana Chandigarh & Delhi, Himachal Pradesh and Punjab during 21st-22nd August; Uttarakhand during 21st-27th August.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh during 21st-25th August; East Madhya Pradesh during 21st-26th August; Vidarbha during 23rd-25th August; Chhattisgarh during 21st-27th August.
- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 26th-27th August; East Madhya Pradesh on 27th August; Vidarbha during 21st-22nd August and during 26th-27th August.
- ❖ **Isolated thunderstorm & lightning** likely over Chhattisgarh, East Madhya Pradesh and West Madhya Pradesh during 21st-25th August.
- ❖ **Isolated heavy rainfall** likely over West Madhya Pradesh during 21st-25th August; East Madhya Pradesh during 23rd-26th August; Chhattisgarh during 21st-27th August with isolated **very heavy rainfall** also likely over East Madhya Pradesh during 21st-22nd August.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 21st-27th August; Jharkhand and Odisha during 22nd-27th August; Bihar during 22nd-24th August.
- ❖ **Isolated to Scattered** rainfall likely over Jharkhand and Odisha on 21st August; Bihar on 21st August and during 25th-27th August.
- ❖ Isolated **thunderstorm & lightning** likely over Gangetic West Bengal on 21st August.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands on 21st August; Sub-Himalayan West Bengal & Sikkim during 21st-26th August; Gangetic West Bengal on 21st August and during 24th-25th August; Jharkhand on 23rd August; Bihar during 22nd-25th August; Odisha during 22nd-23rd August with isolated **very heavy rainfall** also likely over Odisha during 24th-27th August.
- ❖ **Moderate to severe lightning activity over Gangetic West Bengal on 21st August.**

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh on 21st August and during 26th-27th August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 21st-23rd August and during 25th-27th August.
- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 22nd-25th August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 24th August.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh on 21st August and during 23rd-27th August; Assam & Meghalaya during 21st-27th August; Nagaland, Manipur, Mizoram & Tripura during 21st-24th August.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 21st-27th August; Madhya Maharashtra on 26th August.
- ❖ **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 21st-25th August and on 27th August; Gujarat Region, Marathwada and Saurashtra & Kutch during 21st-27th August.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana during 21st-27th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka, Kerala & Mahe and Lakshadweep during 21st-27th August.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 21st-23rd August; North Interior Karnataka during 21st-24th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 21st-25th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and South Interior Karnataka during 21st-25th August.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 24th-25th August; Kerala & Mahe during 23rd-25th August; Coastal Karnataka and North Interior Karnataka during 23rd-24th August.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Rayalaseema and South Interior Karnataka during 21st-25th August; North Interior Karnataka during 21st-24th August.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia and Oman coast, most parts of westcentral Arabian Sea and some parts of southwest Arabian Sea till 26th August, Over few parts of north Arabian Sea on 21st and 25th August, over few parts of eastcentral Arabian Sea till 24th August. Along & off Kerala, Lakshadweep ree & Comorin Area during 23rd to 26th August.
- ❖ **Bay of Bengal:** Over some parts of Gulf of Mannar adjoining Comorin area and southwest Bay of Bengal adjoining south Sri Lanka Coasts and over Andaman Sea till 26th August; over some parts of southeast adjoining southwest Bay of Bengal on 21st August; along and off North Andhra Pradesh coasts, over some parts of westcentral Bay of Bengal during 22nd to 26th August.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure III)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

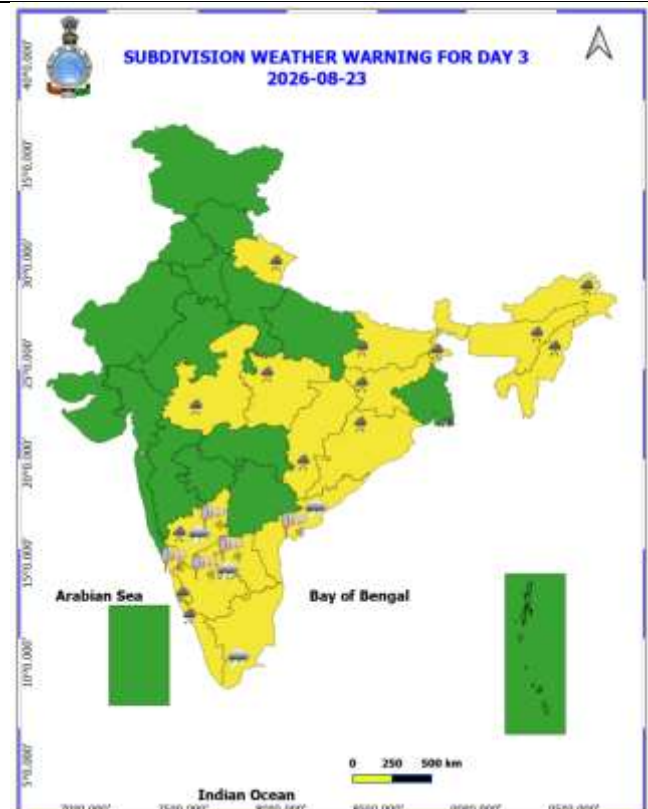
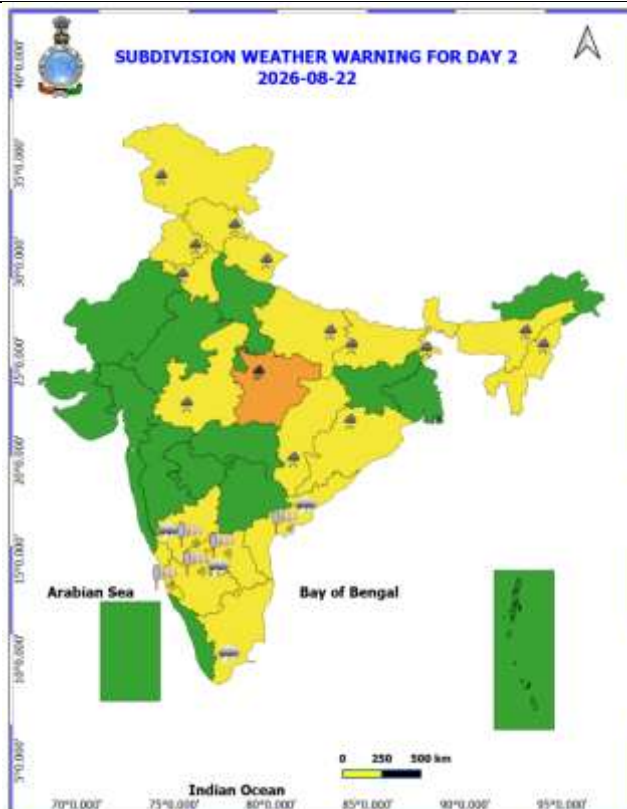
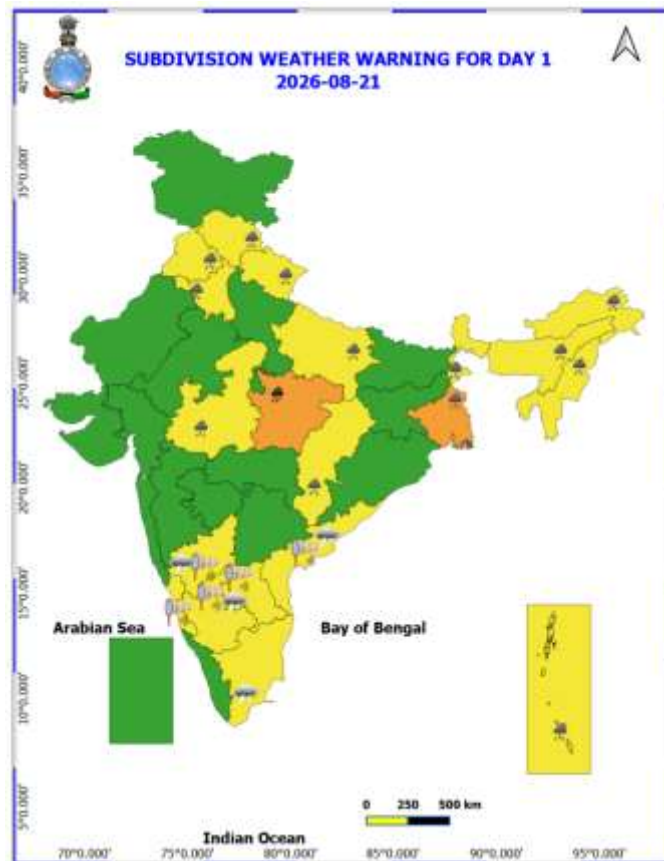
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

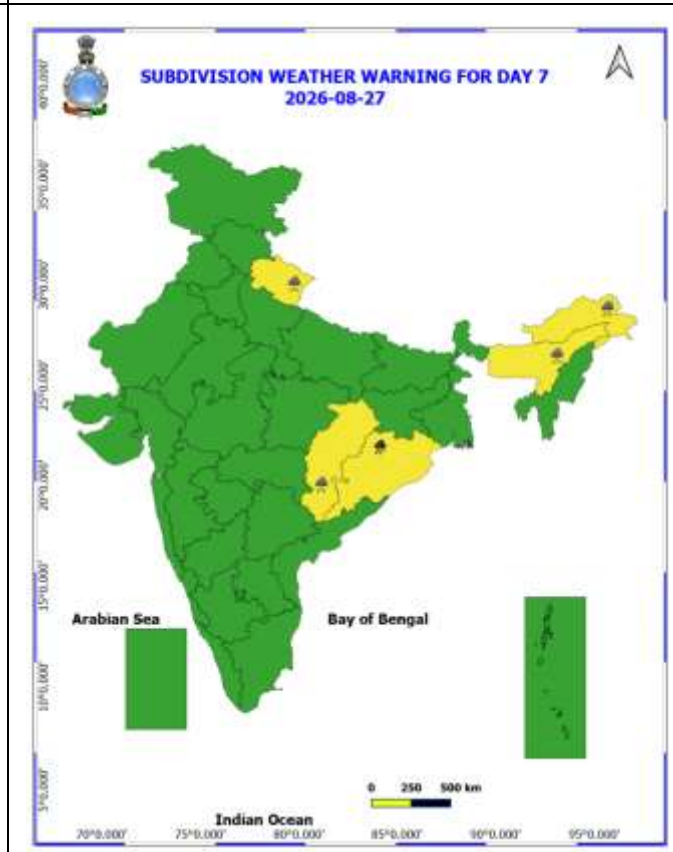
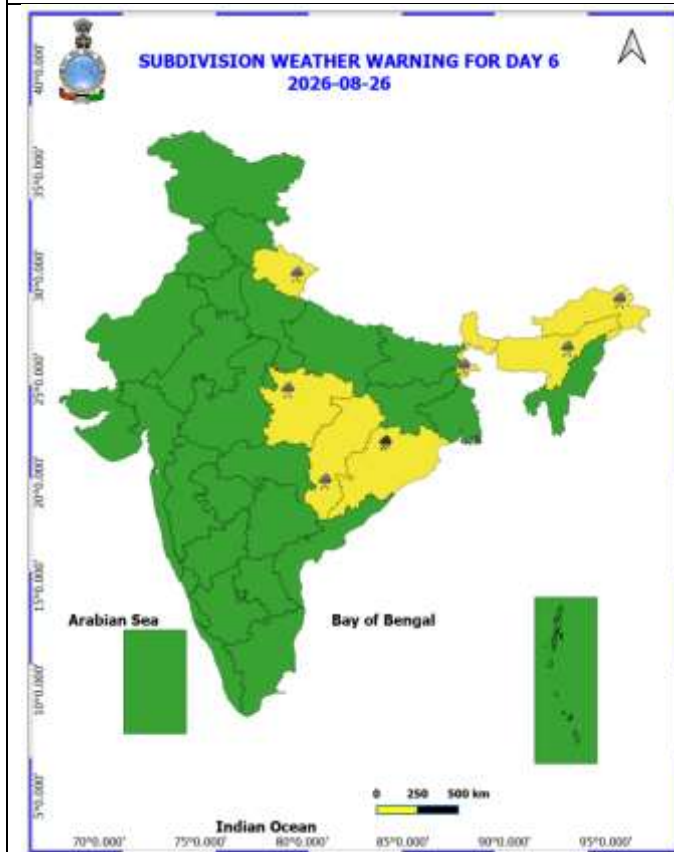
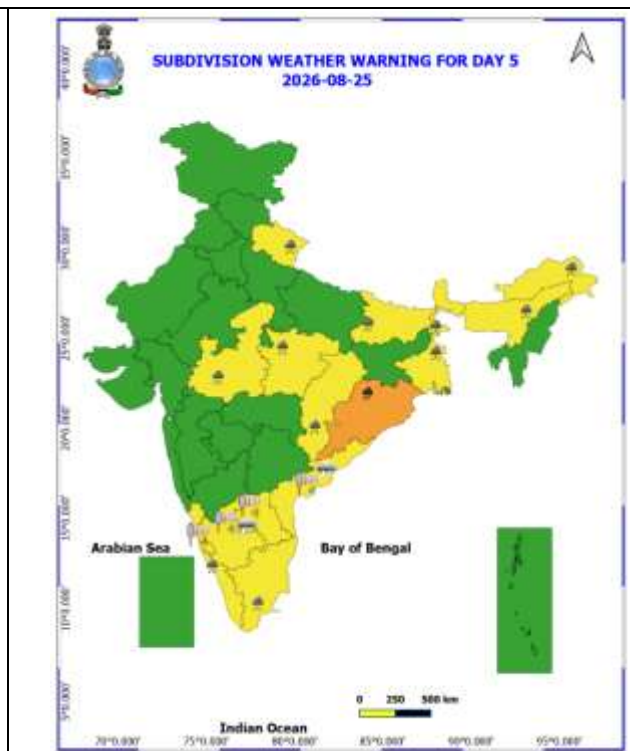
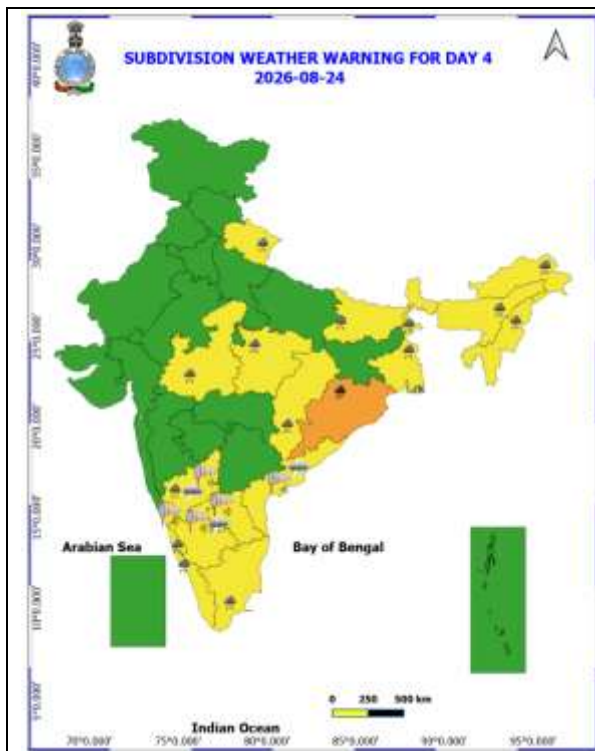
- ❖ **Sub-Himalaya West Bengal:** Toorsa T.G. 18
- ❖ **Mizoram:** Kolasib (AWS) 15
- ❖ **East Madhya Pradesh:** Nagod (Satna) 16
- ❖ **West Uttar Pradesh:** Madawara (Lalitpur) 12
- ❖ **Assam:** Amraghat 11
- ❖ **East Uttar Pradesh:** BADUSA (BANDA) 11
- ❖ **Uttarakhand:** Pokhari 9
- ❖ **Punjab:** Tibri 9
- ❖ **West Madhya Pradesh:** Dolariya (Narmadapuram) 8
- ❖ **Tamil Nadu:** Manalmedu 7
- ❖ **Andaman & Nicobar Islands:** Maya Bunder 7.

Annexure I

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	21- Aug	22- Aug	23- Aug	24- Aug	25- Aug	26- Aug	27- Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WFS	WFS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	SCT	SCT	SCT	SCT	FWS	FWS
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	SCT	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	WFS	WFS	FWS	SCT	FWS	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	FWS	WFS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	FWS	WFS	WFS	WFS	FWS
7	ODISHA	SCT	FWS	FWS	WFS	WFS	FWS	FWS
8	JHARKHAND	ISOL	FWS	FWS	FWS	FWS	FWS	FWS
9	BIHAR	SCT	FWS	FWS	FWS	SCT	SCT	SCT
10	EAST UTTAR PRADESH	SCT	FWS	FWS	FWS	SCT	SCT	ISOL
11	WEST UTTAR PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
12	UTTARAKHAND	FWS	WFS	FWS	FWS	FWS	FWS	FWS
13	HARYANA, CHANDIGARH & DELHI	SCT	FWS	SCT	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	FWS	SCT	SCT	ISOL	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	FWS	WFS	FWS	SCT	SCT	SCT	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
20	EAST MADHYA PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	SCT
21	GUJRAT REGION	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WFS	WFS	WFS	WFS	WFS	WFS	WFS
24	MADHYA MAHARASHTRA	SCT	SCT	ISOL	ISOL	SCT	FWS	SCT
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	SCT	FWS	FWS	FWS	SCT	SCT
27	CHHATTISGARH	FWS	WFS	WFS	WFS	WFS	WFS	WFS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WFS	WFS	WFS	WFS	WFS	WFS	WFS
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	SCT	ISOL	ISOL
35	KERALA AND MAHE	FWS	FWS	WFS	WFS	WFS	FWS	FWS
36	LAKSHADWEEP	FWS	FWS	WFS	WFS	WFS	FWS	FWS

As the lead period increases forecast accuracy decrease.





Action may be taken based on ORANGE AND REDCOLOUR warnings.

Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.

As the lead period increases forecast accuracy decreases.

Detailed district-wise Multi-Hazard weather warning for next five days available at

<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 21st to 24th August 2026**Past Weather:**

There has been fall in maximum temperatures by 1°C and rise in minimum temperatures by 2-3°C over Delhi during past 24 hours. The maximum temperatures were 34-36°C and the minimum temperatures are in the range 25-28°C respectively during past 24 hours over Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at many places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. The maximum temperatures were normal (-1.5°C to 1.5°C) over most places of Delhi. Generally cloudy sky with surface wind speed 17 kmph from the west direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 25 kmph likely to prevail from the west direction over the region in the forenoon today.

Weather Forecast:

21.08.2026: Generally cloudy sky. A spell of very light to light rain at many places during afternoon to evening. Another spell of very light to light rain towards night. Surface wind speed 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum temperatures over Delhi are likely to be in the range of 34-36°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) at many places with above normal (1.6°C to 3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 22 kmph during the afternoon. The wind speed will increase becoming up to 25 kmph from the west direction during evening and night.

22.08.2026: Generally cloudy sky. One or two spell of very light to light rain at many places with moderate rain at isolated places during early morning to noon. Another spell of very light to light rain towards night. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 24°C to 26°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at many places with below normal (-1.6°C to -3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 18 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the northwest direction during afternoon. The wind speed will increase becoming up to 20 kmph from the northwest direction during evening and night.

23.08.2026: Generally cloudy sky A spell of very light to light rain at a few places during morning to afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 24°C to 26°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at many places with below normal (-1.6°C to -3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from northwest direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the northeast direction during afternoon. The wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night.

24.08.2026: Generally cloudy sky. A spell of very light to light rain at a few places during morning. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 25°C to 27°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 20 kmph during the morning hours. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the west direction during evening and night.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated very heavy rainfall likely over East Madhya Pradesh on 21st & 22nd; Odisha during 24th -27th August.
- ❖ Moderate to severe lightning activity over Gangetic West Bengal on 21st August.

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Agromet advisories for likely impact of Heavy Rainfall

- ❖ In **East Madhya Pradesh**, ensure proper drainage of excess water from soybean, maize, paddy and vegetable fields and keep field channels clear. Postpone field operations, fertilizer application and plant protection measures in waterlogged fields and provide staking/support to vegetables and tall crops to minimize lodging.
- ❖ In **West Madhya Pradesh**, maintain proper drainage in soybean, maize, cotton, sugarcane and vegetable fields and remove excess rainwater promptly. Provide staking/support to vegetables and tall crops to minimize lodging.
- ❖ In **Arunachal Pradesh**, maintain proper drainage in maize, finger millet, soybean, cowpea, vegetable fields and orchards to prevent waterlogging.
- ❖ In **Assam**, maintain proper drainage and keep field channels clear in rice, sugarcane, soybean, pigeon pea, jute, sesame and vegetable fields and orchards. Remove excess water promptly from low-lying fields and prevent water stagnation in sugarcane.
- ❖ In **Meghalaya**, maintain continuous drainage in maize, cowpea, okra and ginger and keep drainage channels free from obstruction. Provide staking or trellising to cowpea and support other vulnerable horticultural crops to prevent lodging.
- ❖ In **Nagaland, Manipur, Mizoram and Tripura**, maintain proper drainage in rice, soybean, black gram, ginger, turmeric, cole crops and vegetable fields and prevent water stagnation.
- ❖ In **Sub-Himalayan West Bengal**, clear drainage channels in vegetable fields, orchards, rice and finger millet nurseries to prevent waterlogging. Protect chilli seedlings with plastic cover from heavy rain and maintain proper drainage in rice and vegetable fields.
- ❖ In **Himachal Pradesh**, keep drainage channels in ginger and turmeric fields clear and functional and ensure prompt removal of excess rainwater from maize fields. Harvest mature vegetables such as cucumber, bottle gourd, bitter gourd, snake gourd, ridge gourd, sponge gourd and keep harvested produce in a safe place.
- ❖ In **Uttarakhand**, maintain proper and effective drainage in rice, soybean, maize, red gram, ginger, garlic, barnyard millet, finger millet, tomato and other standing crop fields. Harvest mature tomato, French bean and potato and keep the produce in a safe, dry place.
- ❖ In **Punjab and Haryana**, maintain proper drainage in standing crop fields and promptly remove excess rainwater from low-lying areas.
- ❖ In **Uttar Pradesh**, maintain effective drainage in paddy, pigeon pea, pulses, oilseeds and vegetable fields, particularly in low-lying areas, and promptly remove excess rainwater.
- ❖ In **Odisha**, make necessary arrangements to drain out excess water from *kharif* rice, maize, pulses, cotton, pigeon pea, banana, vegetable fields and nursery beds. Keep field drains, outlets and bunds clear and functional.
- ❖ In **Bihar**, make necessary arrangements to drain out excess rainwater from rice, maize, pulses and other standing crop fields, particularly in low-lying areas.
- ❖ In **Chhattisgarh**, maintain effective drainage from rice, maize, groundnut, minor millets and pulses fields.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- ❖ Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- ❖ Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

- ❖ Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- ❖ Store the feed and fodder in a safe place to prevent spoilage.
- ❖ Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22-08-2026 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Assam & Meghalaya –

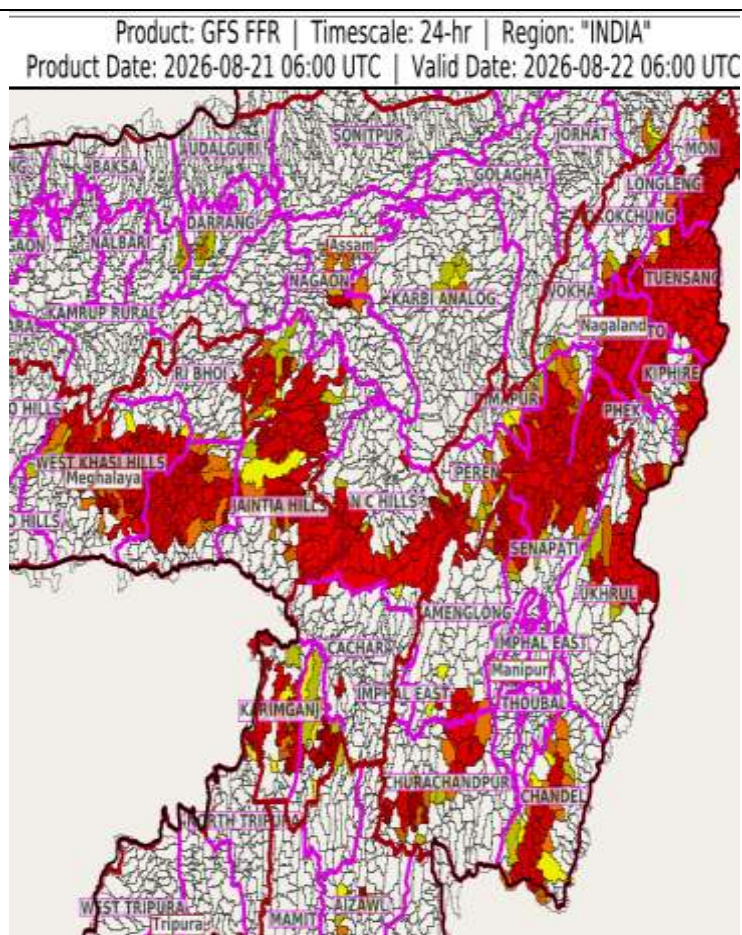
Assam- Darrang, Hailakandi, Karbi Analog, N.C Hills, Nagaon, Karimganj,
Meghalaya- East Khasi Hills, West Khasi Hills and Jaintia Hills districts.

Nagaland Mizoram Manipur Tripura (NMMT) –

Manipur- Chandel, Churachandpur, Senapati, Tamenglong, Ukhrul,
Mizoram- Aizawl,

Nagaland- Dimapur, Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha and Zunheboto districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



Legends & abbreviations:

Heavy Rain:64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.

Obsy: Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.

Region wise classification of meteorological Sub-Divisions:

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.

Central India: West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.

East India: Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.

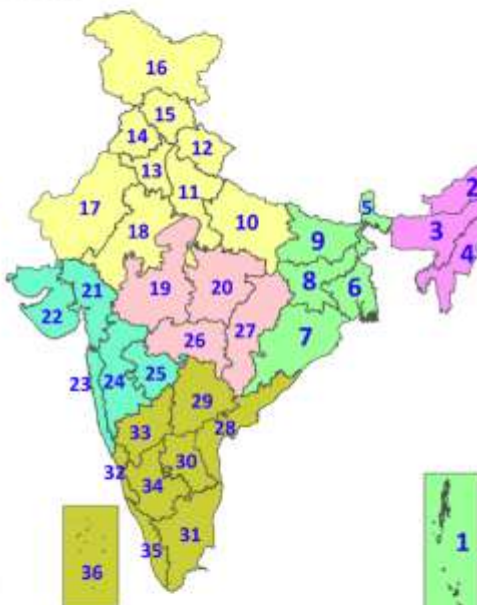
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

West India: Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.

South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. 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)

Fog	Heavy Snow	Cold Wave
Heavy Rain	Dust Storm	Cold Day
Very Heavy Rain	Heat Wave	Ground Frost
Extremely Heavy Rain	Warm Night	
Thunder & Lightning	Hot Day	
Hailstorm	Hot & Humid	
Dust Raising Winds	Strong Surface Winds	

COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
Alert (Be Prepared To Take Action)
Warning (Take Action)

Probabilistic Forecast

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

DEFINITION/CRITERIA

Rain/ Snow *	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm * Extremely Heavy: > 204.4 mm/cm *
Heat Wave	When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions (a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C. Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$ (b). Based on Actual maximum temperature Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$. Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$. (c). Criteria for heat wave for coastal stations When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$
Warm Night	When maximum temperature remains 40°C Warm Night: When minimum temperature departure 4.5°C to 6.4°C. Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.
Cold Wave	When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions. (a). Based on departure Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C. Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$ (b) Based on actual Minimum Temperature (for Plains only) Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$ Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$ (c) For Coastal Stations When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$
Cold Day	When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions Based on departure Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C. Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$
Fog	Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$ Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres
Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
Frost	Ice deposits on ground Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)
Squall	A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed > 87 kmph
Sea State	Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre
Cyclone	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-185 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90 -119 knots) Super Cyclone Strom: Wind speed > 220 kmph (> 119 knots)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)