



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 15th August 2026

Time of Issue: 1300 hours IST

Subject: (i) Under the influence of Low Pressure Area over southeast Jharkhand & neighbourhood, isolated heavy to very heavy rainfall likely over Gangetic West Bengal, north Odisha and Jharkhand during next 4 days with isolated extremely heavy rainfall on 17th August, 2026.

(ii) Isolated heavy to very heavy rainfall likely over Western Himalayan Region and Uttar Pradesh during most days of the week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 15th August, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Himachal Pradesh, Uttarakhand, East Rajasthan, Odisha, Gangetic West Bengal and Chhattisgarh.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Haryana, Uttar Pradesh, Madhya Pradesh, Jharkhand, Assam, Mizoram, Madhya Maharashtra, Gujarat Region and Tamil Nadu.

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

- ❖ The western end of **monsoon trough** is north of its normal position and eastern end is south of its normal position at mean sea level.
- ❖ Yesterday's **depression** over the Jharkhand and adjoining Gangetic West Bengal weakened into a well marked low pressure area over the same region at 1730 hrs IST of the 14th August, 2026. It further weakened into a **low pressure area** and lay over southeast Jharkhand & neighbourhood at 0530 hrs IST of today, the 15th August, 2026. It lay over southeast Jharkhand & neighbourhood at 0830 hrs IST of today, the 15th August, 2026. It is likely to become less marked during next 12 hours.
- ❖ An **upper air cyclonic circulation** lies over northwest Bay of Bengal in middle tropospheric levels. Under its influence, a low pressure area is likely to form over north Bay of Bengal during next 48 hours.
- ❖ A **Shear Zone** runs roughly along Lat. 22°N across central & adjoining north Peninsular India in middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over southwest Rajasthan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central Assam in lower tropospheric level.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 15th-21st August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi and Punjab on 15th August and on 18th August; West Uttar Pradesh during 16th-17th August; East Uttar Pradesh during 16th-21st August.
- ❖ **Isolated to Scattered** rainfall likely over rest parts of northwest India.
- ❖ **Isolated thunderstorm & lightning** likely over Uttarakhand during 15th-21st August; East Uttar Pradesh and West Uttar Pradesh on 15th August.
- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 15th-16th August and during 18th-19th August; Himachal Pradesh during 15th-16th August and during 19th-21st August; Uttarakhand during 18th-21st August; Haryana Chandigarh & Delhi and Punjab on 15th August and during 17th-18th August; West Uttar Pradesh on 15th August and on 18th August; East Uttar Pradesh on 15th & during 18th-19th August; East Rajasthan on 15th August with isolated **very heavy rainfall** also likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 17th August; Himachal Pradesh during 17th-18th August; Uttarakhand during 15th-17th August; East Uttar Pradesh and West Uttar Pradesh during 16th-17th August.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Chhattisgarh, East Madhya Pradesh and West Madhya Pradesh during 15th-21st August; Vidarbha during 15th-18th August.

- ❖ **Isolated to Scattered** rainfall likely over central India.
- ❖ Isolated **heavy rainfall** likely over West Madhya Pradesh during 15th-17th August; Chhattisgarh and East Madhya Pradesh during 15th-19th August; Vidarbha on 15th August.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 15th-21st August; Bihar during 17th-20th August.
- ❖ **Isolated to Scattered** rainfall likely over East India.
- ❖ Isolated **thunderstorm & lightning** likely over Bihar during 15th-19th August.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 17th-21st August; Gangetic West Bengal on 15th August and during 17th-18th August; Jharkhand during 15th-16th August; Bihar during 17th-20th August; Odisha on 15th August and during 19th-21st August with isolated **very heavy rainfall** also likely over Gangetic West Bengal on 16th August; Jharkhand during 17th-18th August; Odisha during 16th-18th August.
- ❖ **Isolated extremely heavy rainfall over north Odisha and Gangetic West Bengal on 17th August, 2026.**
- ❖ **Moderate to severe lightning activity over Odisha on 15th and Bihar on 17th August.**

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 15th-21st August; Assam & Meghalaya during 17th-21st August; Nagaland, Manipur, Mizoram & Tripura during 16th-21st August.
- ❖ **Isolated to Scattered** rainfall likely over Assam & Meghalaya during 15th-16th August; Nagaland, Manipur, Mizoram & Tripura on 15th August.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh and Assam & Meghalaya during 15th-19th August; Nagaland, Manipur, Mizoram & Tripura during 15th-18th August.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 18th-21st August; Assam & Meghalaya during 15th-16th August and during 18th-21st August; Nagaland, Manipur, Mizoram & Tripura during 15th-21st August with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 15th-17th August; Assam & Meghalaya on 17th August.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 15th-21st August; Gujarat Region during 15th-16th August.
- ❖ **Isolated to Scattered** rainfall likely over Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 15th-21st August; Gujarat Region during 17th-21st August.
- ❖ Isolated **thunderstorm & lightning** likely over Gujarat Region during 15th-16th August.
- ❖ Isolated **heavy rainfall** likely over Konkan & Goa during 15th-17th August; Madhya Maharashtra during 15th-18th August; Gujarat Region during 15th-16th 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 15th-21st August; Lakshadweep during 17th-18th August.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka and Kerala & Mahe during 15th-21st August; Lakshadweep during 15th-16th August and during 19th-21st August.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 15th-19th August; North Interior Karnataka during 15th-16th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and South Interior Karnataka during 15th-16th August; Telangana during 15th-17th August.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-20th August.
- ❖ Strong Surface Winds likely over Coastal Karnataka, North Interior Karnataka and South Interior Karnataka during 15th-16th August; Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-19th August; Telangana during 15th-17th 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 adjoining few parts of north & eastcentral Arabian Sea till 20th August, along and off Gujarat coast adjoining some parts of northeast and eastcentral Arabian Sea during 16th to 18th August.
- ❖ **Bay of Bengal:** Over few parts Comorin area and southwest Bay of Bengal adjoining south Sri Lanka Coast till 20th August. Along and off West Bengal, Odisha, and Bangladesh coast adjoining northwest and some parts of northeast Bay of Bengal during 15th to 19th August, Along and off North Andhra Pradesh coast adjoining central Bay of Bengal during 15th to 17th August and off north Andhra Pradesh coast adjoining central Bay of Bengal on 17th August, Over Andaman Sea during 15th to 18th 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>

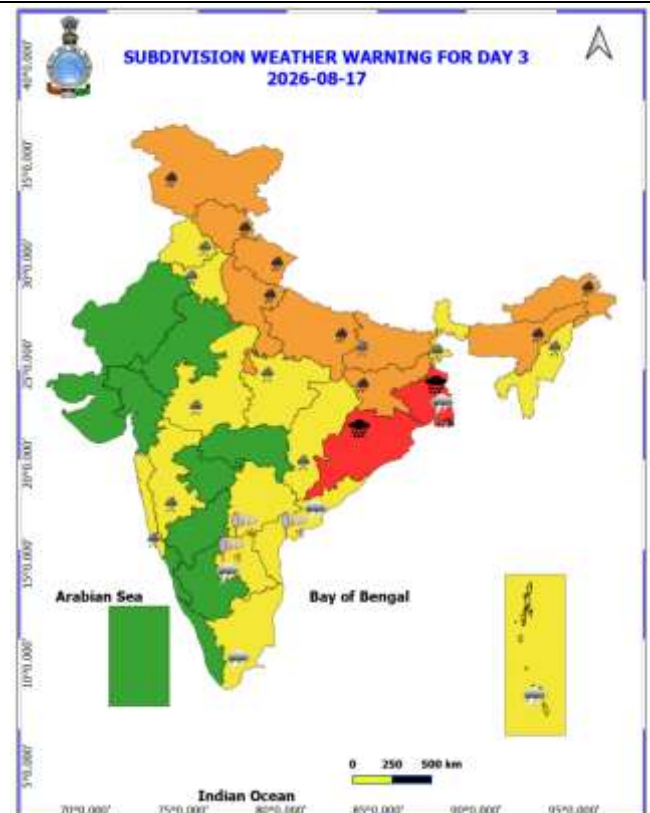
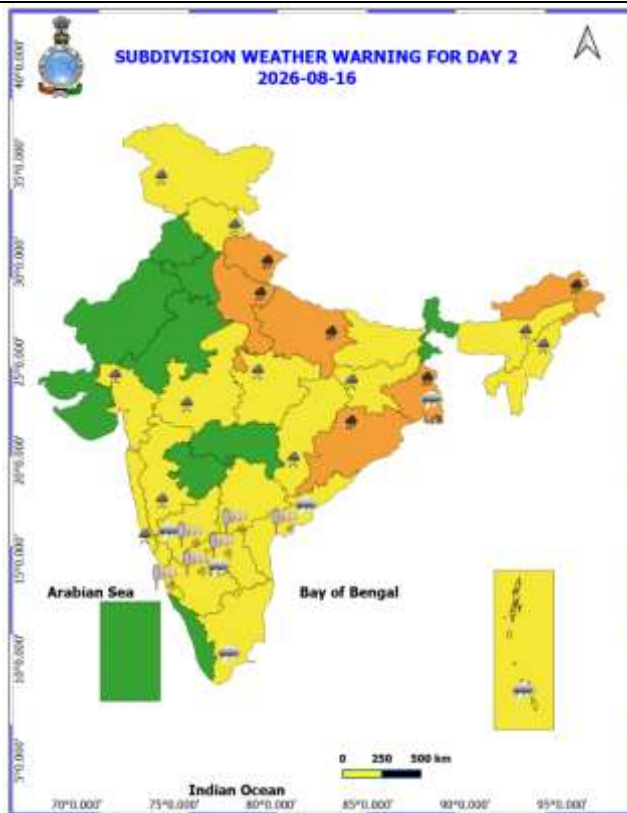
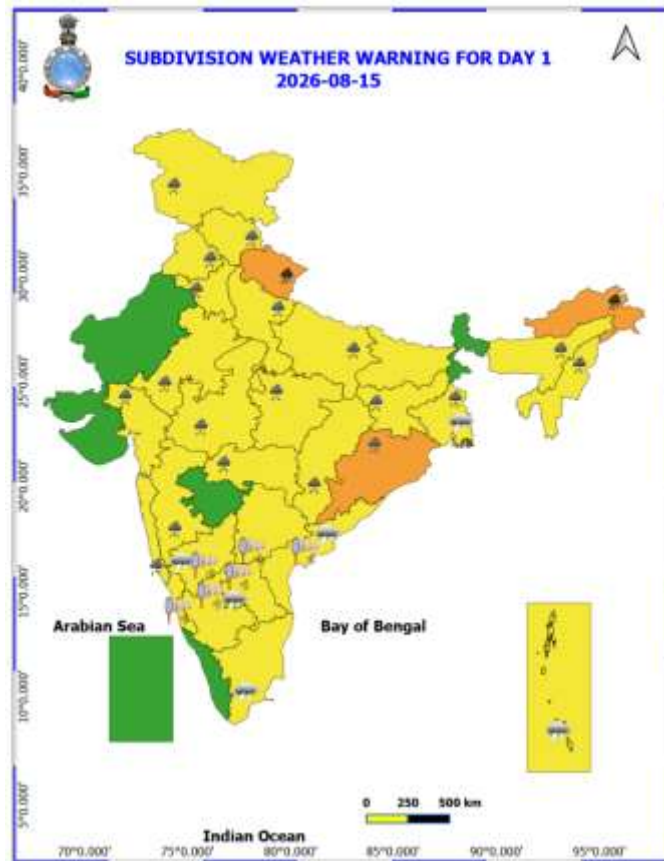
For national bulletin associated with the Depression refer https://rsmcnewdelhi.imd.gov.in/national_bulletin.php

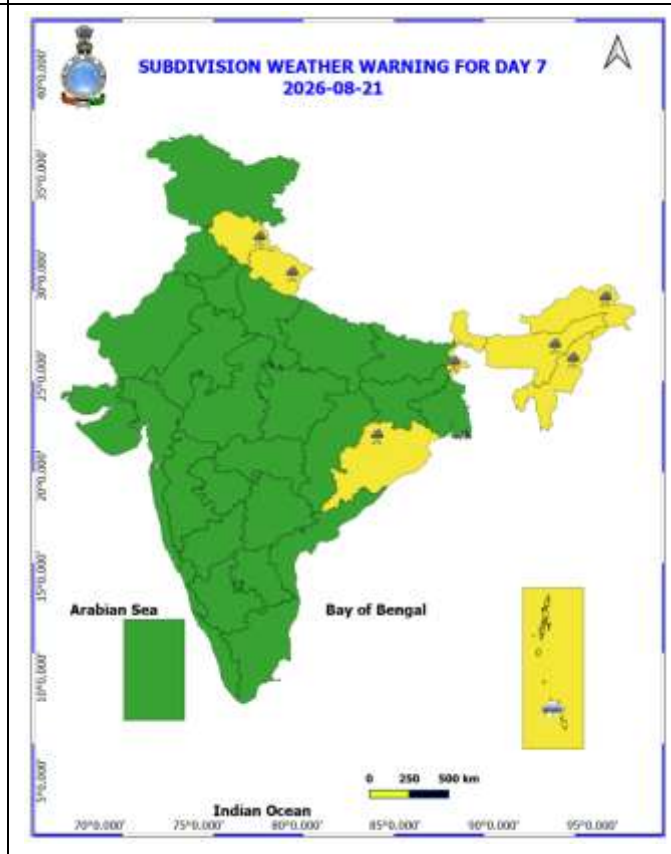
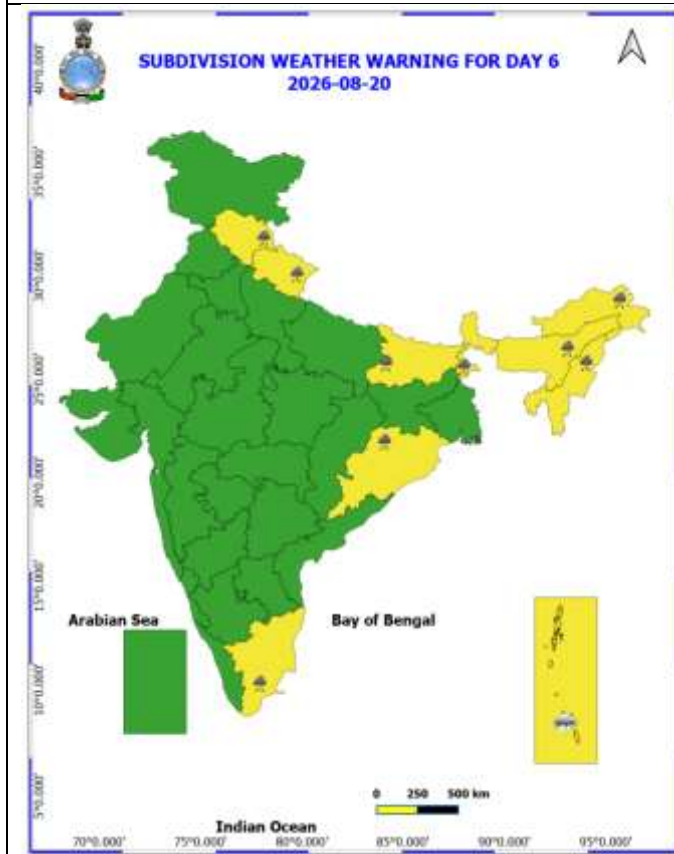
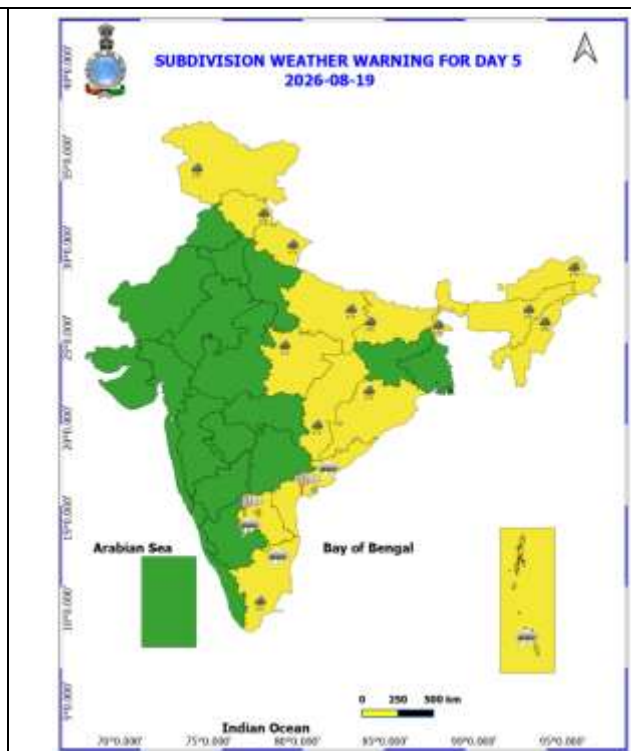
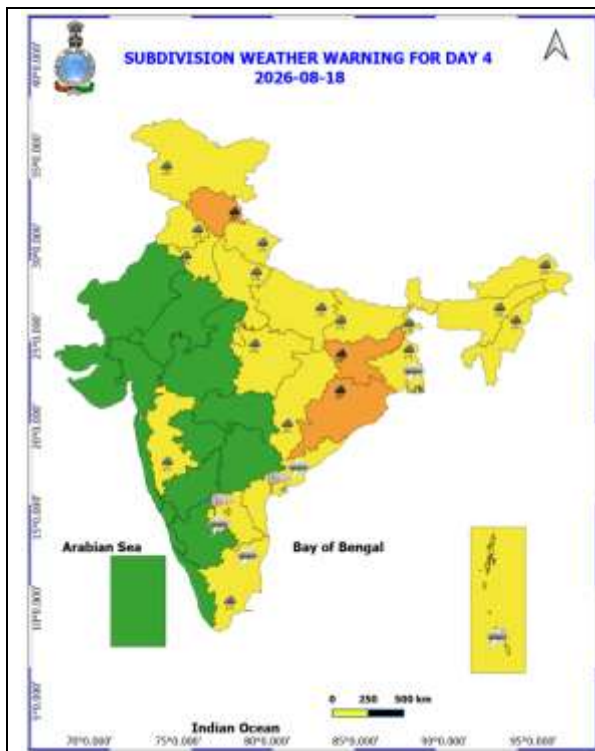
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **East Rajasthan:** Bari (Dholpur) 14
- ❖ **Himachal Pradesh:** Guler(dist.kangra)-13
- ❖ **Uttarakhand:** Shama & Tejam 13 each
- ❖ **Odisha:** Kankadahad 13
- ❖ **Gangetic West Bengal:** Haldia 12
- ❖ **Chhattisgarh:** Manendragarh 12
- ❖ **West Uttar Pradesh:** Baheri (dist Bareilly) 11, Rath (dist Hamirpur) 9
- ❖ **East Madhya Pradesh:** Ramnagar (Dist- Maihar) 11
- ❖ **Madhya Maharashtra:** Tamini Mulshi (Pune) 9
- ❖ **Haryana:** Madluda Rev (dist Panipat) 8
- ❖ **West Madhya Pradesh:** Datia 8
- ❖ **East Uttar Pradesh:** Karwi (dist Chitrakoot) 8
- ❖ **Jharkhand:** Bolba 8
- ❖ **Tamil Nadu:** Coimbatore 9
- ❖ **Assam:** Gharmura 7
- ❖ **Gujarat Region:** Balasinor (Mahisagar) 7
- ❖ **Mizoram:** Lengpui 7.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	15- Aug	16- Aug	17- Aug	18- Aug	19- Aug	20- Aug	21- Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	SCT	SCT	FWS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	FWS	FWS	FWS	FWS	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	SCT	SCT	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	SCT	SCT	SCT	SCT	FWS	FWS	FWS
7	ODISHA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
8	JHARKHAND	FWS	FWS	SCT	SCT	SCT	FWS	FWS
9	BIHAR	SCT	SCT	FWS	FWS	FWS	FWS	SCT
10	EAST UTTAR PRADESH	SCT	FWS	SCT	SCT	SCT	SCT	FWS
11	WEST UTTAR PRADESH	SCT	FWS	FWS	SCT	SCT	SCT	ISOL
12	UTTARAKHAND	SCT	SCT	SCT	SCT	FWS	FWS	FWS
13	HARYANA, CHANDIGARH & DELHI	FWS	SCT	SCT	FWS	SCT	SCT	SCT
14	PUNJAB	FWS	SCT	SCT	FWS	SCT	SCT	SCT
15	HIMACHAL PRADESH	FWS	FWS	SCT	SCT	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	FWS	FWS	SCT	SCT	SCT	SCT	FWS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
19	WEST MADHYA PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
20	EAST MADHYA PRADESH	SCT	SCT	SCT	FWS	FWS	FWS	FWS
21	GUJRAT REGION	SCT	FWS	SCT	SCT	SCT	SCT	SCT
22	SAURASHTRA & KUTCH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	FWS	SCT	FWS	SCT	SCT	SCT
27	CHHATTISGARH	SCT	SCT	SCT	SCT	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	SCT	SCT	SCT	ISOL
32	COSTAL KARNATAKA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
35	KERALA AND MAHE	FWS	FWS	FWS	FWS	FWS	FWS	FWS
36	LAKSHADWEEP	FWS	FWS	SCT	SCT	FWS	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 15th to 18th August 2026**Past Weather:**

There has been fall in maximum temperatures by 5-6°C and no large change in minimum temperatures over Delhi during past 24 hours. The maximum temperatures were 30-31°C and the minimum temperatures are in the range 23-26°C respectively during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining parts of Delhi. The maximum temperatures are below normal (-1.6°C to -3.0°C) at a few places and appreciably below normal (-3.1°C to -5.0°C) at remaining parts of Delhi. Very light to Light rain has been occurred at most places with moderate rain at isolated places over Delhi during the past 24 hours. Generally cloudy sky with surface wind speed 20 kmph from the west direction prevailed over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 15 kmph likely to prevail from the northwest direction over the region in the forenoon today.

Weather Forecast:

15.08.2026: Generally cloudy sky. A spell of very light rainfall of about 3 mm with 60 percent probability during evening (1530-1830 hrs IST). The maximum temperatures over Delhi are likely to be in the range of 32-34°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 15 kmph during the afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

16.08.2026: Generally cloudy sky. One or two spells of very light to light rain during early morning to noon. Another spell of very light to light rain towards evening to night. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 23°C to 25°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 southwest direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will decrease becoming up to 18 kmph from the southwest direction during afternoon. The wind speed will increase becoming up to 25 kmph from the west direction during evening and night.

17.08.2026: Generally cloudy sky. One or two spells of very light to light rain during early morning to afternoon. Another spell of very light to light rain towards evening to night. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 23°C to 25°C respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places over Delhi, 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 west direction with surface wind speed reaching up to 25 kmph during the morning. The wind speed will decrease becoming up to 15 kmph from the west direction during afternoon. The wind speed will increase becoming up to 25 kmph from the west direction during evening and night.

18.08.2026: Generally cloudy sky. One or two spells of very light to light rain during early morning to afternoon. Another spell of very light to light rain towards evening to night. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 23°C to 25°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.1°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 10 kmph during the morning hours. The surface wind speed will increase becoming up to 25 kmph from the northeast direction during afternoon. The surface wind speed will decrease becoming up to 20 kmph from the east direction during evening and night.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated extremely heavy rainfall over north Odisha and Gangetic West Bengal on 17th August, 2026.
- ❖ Moderate to severe lightning activity over Odisha on 15th and Bihar on 17th 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 **Arunachal Pradesh**, ensure proper drainage and remove excess water from rice, maize, soybean and finger millet fields. Clear mud and debris from affected crops and maintain drainage in vegetable fields and orchards. Harvest mature cucumbers, bottle gourds and other cucurbits wherever possible and provide firm support to vines and banana plants to prevent lodging.
- 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. Continue rice transplanting only where field conditions permit and delay sowing of groundnut, soybean and maize until conditions become suitable. Harvest mature tomato, French bean and potato and keep the produce in a safe, dry place.
- In **Odisha**, ensure continuous and effective drainage of excess water from *kharif* rice, maize, pulses, cotton, red gram, banana, vegetable fields and nursery beds. Keep field drains, outlets and bunds clear and functional. In waterlogged areas, postpone sowing/re-sowing of maize and green gram and prevent water stagnation in pearl millet. Protect vegetable nurseries with polythene sheets and Provide staking to vegetables, propping to banana, papaya and young horticultural plants. Maintain emergency outlets in transplanted rice fields to prevent prolonged submergence of seedlings.
- In **Gangetic West Bengal**, ensure proper drainage in transplanted *Aman* paddy, jute, rice nurseries and vegetable fields and promptly remove excess water from low-lying areas. Keep drainage channels clear and strengthen bunds around rice nurseries to prevent flooding. Postpone fertilizer and pesticide application until field conditions improve. Harvest mature crops, tea leaves and vegetables wherever field conditions permit and keep the produce in a safe, dry place.
- In **Jharkhand**, ensure proper drainage of excess water from crop fields and postpone fertilizer and pesticide application during wet conditions.
- 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. Complete rice transplanting only where field conditions permit and postpone sowing of sesame, green gram and black gram in waterlogged fields.
- In **Meghalaya**, maintain continuous drainage in rice nursery beds and fields of maize, cowpea, okra and ginger and keep drainage channels free from obstruction. Strengthen nursery bunds to prevent runoff and seedling washout and avoid standing water around the crop root zone. 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 standing crop fields and prevent water stagnation in rice, soybean, black gram, ginger, turmeric, cole crops and vegetables.

- In **Jammu and Kashmir**, maintain proper drainage in fields of maize, green gram, black gram and vegetables to prevent waterlogging. Postpone irrigation in transplanted rice. Undertake harvesting of mature cobs of early-sown maize crop and keep the produce at safer place.
- In **Himachal Pradesh**, Maintain proper drainage in rice, maize, finger millet, tomato, brinjal, capsicum, chilli. Carry out harvesting of pea pods and vegetables (tomato, capsicum, brinjal, etc.) wherever possible and keep harvested produce in a safe place.
- In **Uttar Pradesh**, maintain proper drainage to remove excess rainwater from pigeon pea, maize, groundnut, sesame, rice, vegetable and other standing crop fields, particularly from low-lying areas prone to waterlogging.
- In **Haryana**, ensure proper field drainage in standing crop fields to prevent waterlogging and promptly remove excess rainwater from crop fields and orchards.
- In **Punjab**, maintain proper drainage in the sugarcane field to avoid water stagnation. After heavy rains if water stagnates in the maize fields, drain out the excessive water to keep the plants free from bacterial stalk rot.
- In **Madhya Pradesh**, ensure proper drainage in soybean, maize, pigeon pea, black gram, green gram, sesame, sorghum and vegetable fields to prevent waterlogging.
- In **Chhattisgarh**, maintain continuous and effective drainage in rice, soybean, maize, pigeon pea, black gram, green gram, minor millets and vegetable fields, particularly in low-lying areas. Strengthen field bunds and drainage channels and postpone fertilizer and plant protection operations until field conditions improve.
- In **Konkan and Goa**, maintain proper drainage to drain out excess rainwater from rice, finger millet, turmeric, groundnut, vegetable fields and orchards to prevent water stagnation.
- In **Madhya Maharashtra**, in *Ghat* areas, drain out excess rainwater from rice, finger millet and vegetable fields. Postpone intercultural operations, fertilizer application and plant protection measures until field conditions become suitable.

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

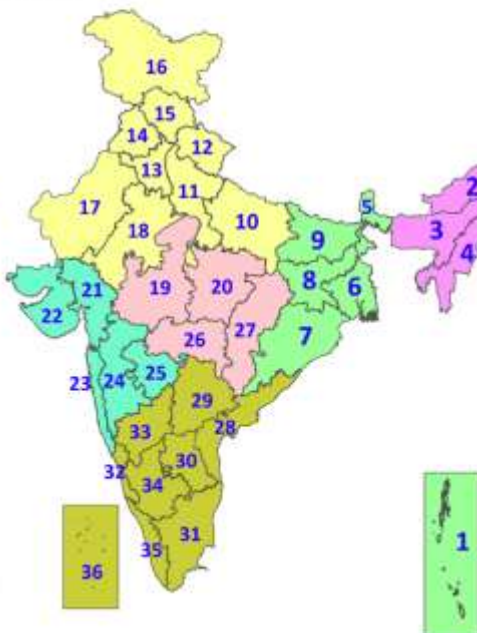
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5-115.5mm; **Very Heavy Rain:** 115.6-204.4mm; **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

* 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)

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)

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