



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 16th September 2026

Time of Issue: 1300 hours IST

Subject: (i) Isolated very heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya on 16th September, 2026.

(ii) Isolated heavy rainfall very likely over Andaman & Nicobar Islands during next 7 days with isolated very heavy rainfall on 18th September, 2026.

(iii) Conditions are becoming favourable for withdrawal of Southwest Monsoon from some parts of West Rajasthan around 19th September, 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 16th September, 2026:

- ❖ **Extremely heavy rainfall (≥ 30 cm)** has been recorded over Sikkim
- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Kutch, Assam
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Uttarakhand, East Rajasthan, Rayalaseema, Gangetic West Bengal, Odisha, Bihar, Madhya Pradesh, Tamil Nadu, South Interior Karnataka, Mizoram, Arunachal Pradesh

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

- ❖ Conditions are becoming favourable for **withdrawal of Southwest Monsoon** from some parts of West Rajasthan around 19th September, 2026.
- ❖ Yesterday's **Low-Pressure Area** over southwest Rajasthan adjoining Kutch region and southeast Pakistan lay over Saurashtra & adjoining Northeast Arabian Sea.
- ❖ An **upper-air cyclonic circulation** lay over north Thailand at 0830 hrs IST of today, the 16th September, 2026 I middle tropospheric level. It is likely to emerge over the north Andaman Sea around 18th September evening and under its influence a **low pressure area** is likely to form over the same region around the evening of 19th September, 2026. Thereafter, it is likely to intensify gradually and move west-northwestwards towards south Odisha-north Andhra Pradesh coasts during subsequent 3-4 days.
- ❖ A **trough** runs from Northern parts of Gangetic West Bengal to North Odisha in lower tropospheric levels
- ❖ An **upper air cyclonic circulation** over central Assam & neighbourhood extending in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over south Coastal Andhra Pradesh & adjoining Rayalaseema in lower tropospheric level.
- ❖ A **trough** from North Interior Karnataka to Gulf of Mannar in lower tropospheric level.

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

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 16th-17th September.
- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Punjab during 16th-17th September; East Rajasthan on 17th September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 18th-19th September; East Madhya Pradesh during 16th-18th September; Vidarbha on 22nd September; Chhattisgarh during 19th-22nd September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 16th-17th September and during 20th-22nd September; East Madhya Pradesh during 19th-22nd September; Vidarbha during 16th-21st September; Chhattisgarh during 16th-18th September.
- ❖ Isolated **heavy rainfall** likely over Chhattisgarh during 20th-22nd September.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Andaman & Nicobar Islands and Gangetic West Bengal during 16th-22nd September; Sub-Himalayan West Bengal & Sikkim during 16th-18th September and on 22nd September; Odisha during 19th-22nd September.
- ❖ **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Sub-Himalayan West Bengal & Sikkim during 19th-21st September; Bihar and Jharkhand during 16th-22nd September; Odisha during 16th-18th September.
- ❖ Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 16th-17th September and during 19th-22nd September; Sub-Himalayan West Bengal & Sikkim on 17th September; Bihar during 17th-18th September; Odisha on 16th September and during 18th-20th September with isolated **very heavy rainfall** also likely over Andaman & Nicobar Islands on 18th September; Sub-Himalayan West Bengal & Sikkim on 16th September.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 16th-17th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 16th September.
- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 18th-22nd September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 17th-22nd September.
- ❖ Isolated **thunderstorm & lightning** likely over Assam & Meghalaya during 16th-20th September; Nagaland, Manipur, Mizoram & Tripura during 16th-18th September.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 16th-17th September; Assam & Meghalaya on 17th September and on 19th September; Nagaland, Manipur, Mizoram & Tripura on 16th September and on 19th September with isolated **very heavy rainfall** also likely over Assam & Meghalaya on 16th September.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa on 16th September; Gujarat Region during 17th-19th September; Saurashtra & Kutch on 17th September.
- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa during 17th-22nd September; Madhya Maharashtra and Marathawada during 16th-22nd September; Gujarat Region on 16th September and during 20th-22nd September; Saurashtra & Kutch on 16th September and during 18th-22nd September.
- ❖ Isolated **thunderstorm & lightning** likely over Gujarat Region during 17th-18th September; Saurashtra & Kutch during 16th-18th September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 16th-22nd September; Kerala & Mahe on 16th September and during 19th-22nd September; Lakshadweep during 19th-22nd September; Coastal Karnataka during 16th-19th September; North Interior Karnataka, South Interior Karnataka and Telangana during 16th-18th September.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 17th-18th September; Lakshadweep during 16th-18th September; Coastal Karnataka during 20th-22nd September; North Interior Karnataka, South Interior Karnataka and Telangana during 19th-22nd September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 16th-20th September; Coastal Andhra Pradesh & Yanam during 19th-20th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 18th-19th September; North Interior Karnataka, South Interior Karnataka and Telangana during 16th-20th September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-18th September.
- ❖ Isolated **thunderstorm & lightning** likely over Lakshadweep during 16th-18th September; Rayalaseema during 19th-20th September.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 16th-20th September; Kerala & Mahe during 17th-20th September; South Interior Karnataka on 16th September and during 19th-22nd September; Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-21st September; Telangana during 19th-22nd September.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and South Interior Karnataka during 16th-20th September.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off north Gujarat coasts adjoining northeast Arabian Sea on 16th September; along and off Somalia coasts, few parts of southwest adjoining westcentral Arabian Sea till 19th September.
- ❖ **Bay of Bengal:** Over few to some parts of southeast & southwest Bay of Bengal till 21st September; over Andaman Sea till 21st September; over few parts of southwest Bay of Bengal adjoining south Sri Lanka coasts during 19th to 20th September.

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>

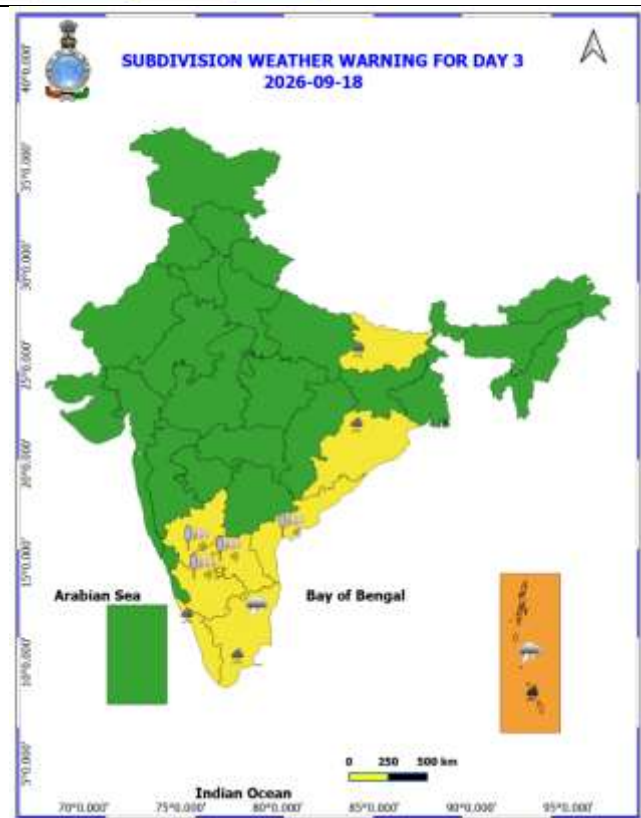
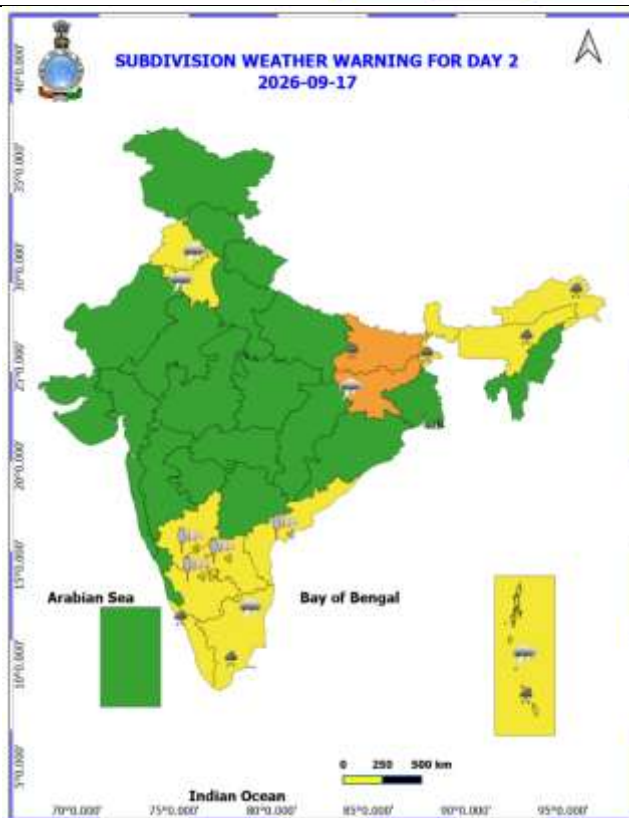
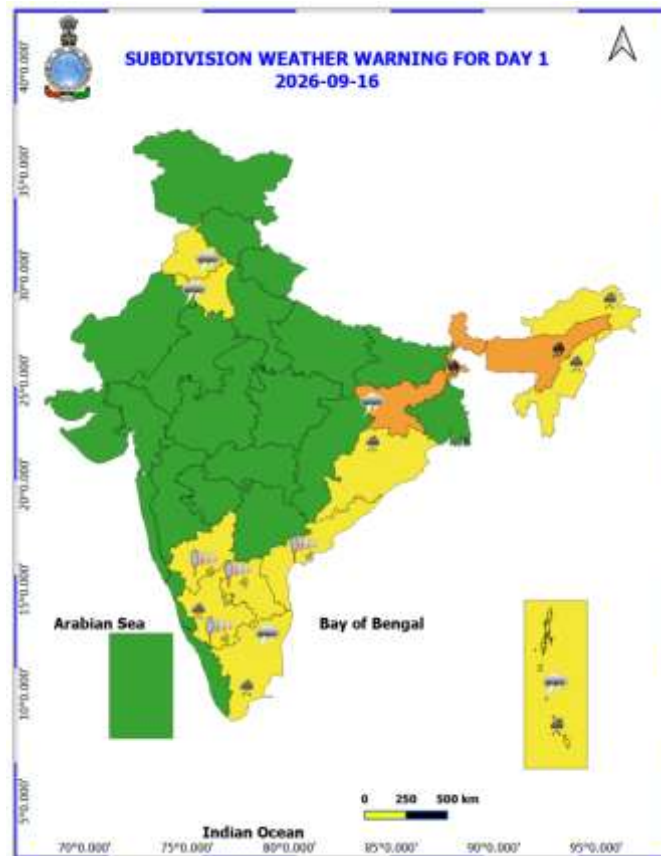
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

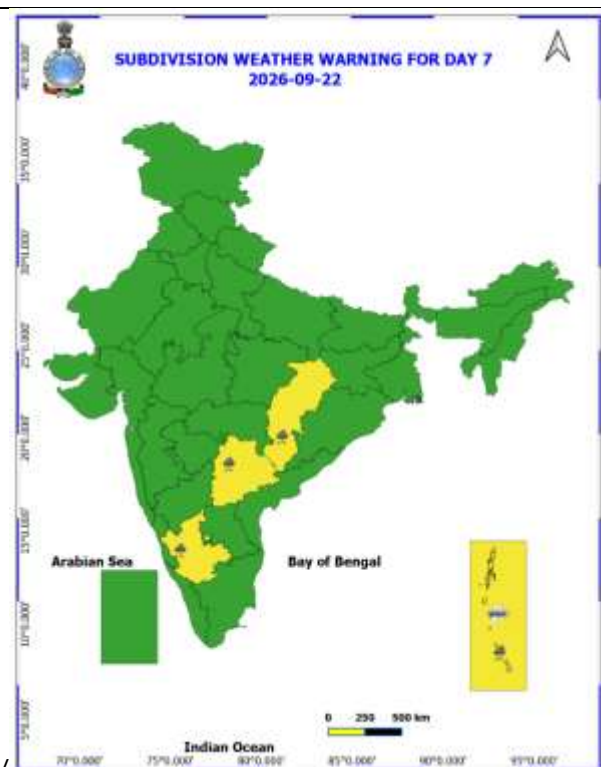
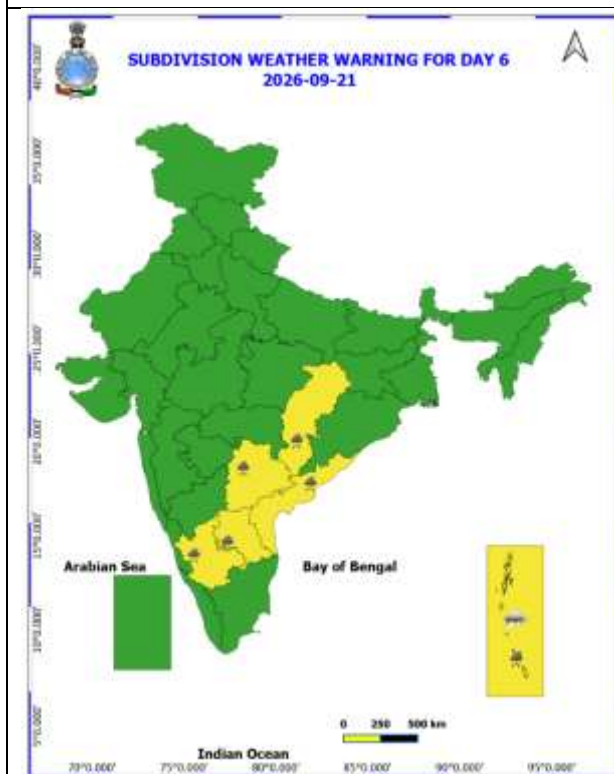
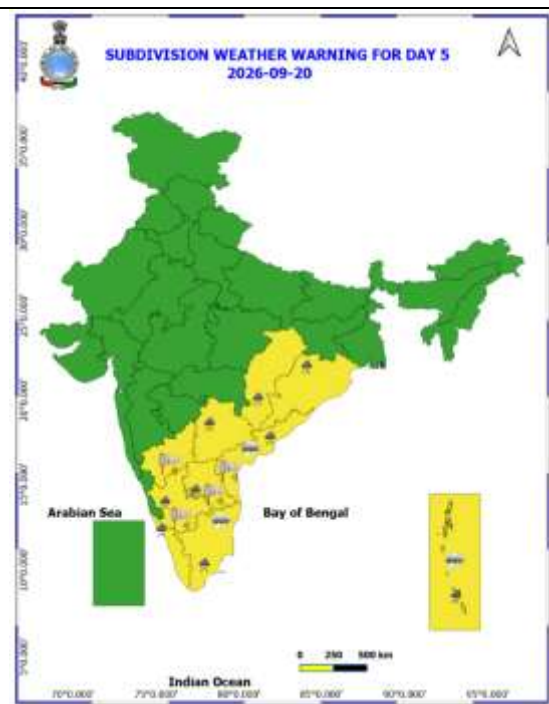
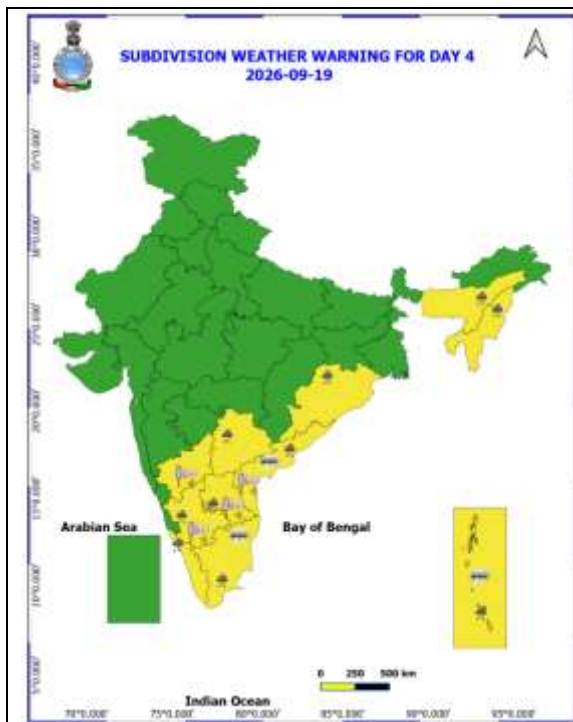
Highest rainfall recorded (> 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **Sikkim:** Mangan 28
- ❖ **Kutch:** Mundra 15
- ❖ **Assam:** Jorhat 13
- ❖ **East Rajasthan:** Loharia 11
- ❖ **Tamil Nadu:** Krishnagiri 11
- ❖ **Odisha:** Bhadrak 10
- ❖ **Madhya Pradesh:** Seodha 10, Shahpura 8
- ❖ **Mizoram:** Lengpui 10
- ❖ **Bihar:** Darbhanga 9
- ❖ **Rayalaseema:** Chittoor 8
- ❖ **Arunachal Pradesh:** Rajiv Gandhi University-Naharlagun 8
- ❖ **Uttarakhand:** Didihat 7
- ❖ **Gangetic West Bengal:** Tusuma 7
- ❖ **South Interior Karnataka:** Halli 7

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

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 16th -19th September 2026**Past Weather:**

There has been no large change in maximum and minimum temperatures over Delhi during the past 24 hours. The maximum temperatures were found around 33-35°C and the minimum temperatures are in the range 23-27°C respectively during past 24 hours over Delhi. The minimum temperatures are above normal (1.6 to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were normal (-1.5°C to 1.5°C) over most places of Delhi. Partly cloudy with surface wind speed 18 kmph from the southeast direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 15 kmph from the west direction likely to prevail during forenoon over the region today.

Weather Forecast:

16.09.2026: Mainly clear sky becoming partly cloudy sky towards afternoon. A spell of very light rain at isolated places during afternoon to evening. The maximum temperatures over Delhi are likely to be in the range of 33-35°C. 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 surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

17.09.2026: Partly cloudy sky. Possibility of very light rain at isolated places during morning to forenoon. 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 -3.0°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 speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 15 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night hours.

18.09.2026: Partly cloudy sky. 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 below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night hours.

19.09.2026: Partly cloudy sky. 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 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 speed reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the west direction during afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northeast direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated very heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya on 16th September, 2026.
- ❖ Isolated heavy rainfall very likely over Andaman & Nicobar Islands during next 7 days with isolated very heavy rainfall on 18th September, 2026.
- ❖ Moderate to severe lightning activity likely over Jharkhand on 16th & 17th and Bihar on 17th September.

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 **Andaman & Nicobar**, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Provide adequate drainage in standing crop fields to avoid waterlogging.
- In **Arunachal Pradesh**, maintain proper drainage in millet fields to prevent water stagnation and strengthen trellises and supports for cucumber and other gourds. Harvest mature upland/Jhum rice, soybean and vegetables and immediately shift the produce to safe, covered shelters.
- In **Assam & Meghalaya**, drain excess water from maize, black gram, green gram and sesame fields and keep drainage channels clear. Maintain suitable water levels in rice, support papaya, banana and weak-stemmed crops, and harvest pumpkins and bottle gourd before the rains wherever possible.
- In **Nagaland**, maintain 3-5 cm water level in wet rice fields and harvest mature maize cobs during suitable weather.
- In **Manipur**, harvest colocasia and mature ginger during rain-free periods and ensure proper drainage in ginger fields.
- In **Mizoram**, prepare fields for sowing black gram, green gram, soybean, sesame and lentil after maize harvest. Ensure drainage in ginger fields and prevent water stagnation to minimise soft-rot and rhizome-rot incidence.
- In **Tripura**, maintain adequate soil moisture in Aus rice during panicle initiation and booting, while ensuring drainage in low-lying groundnut fields to prevent stagnation
- In **Sub-Himalayan West Bengal & Sikkim**, maintain safe water levels in rice and clear drainage channels in rice and green gram fields. Drain excess water from rice fields, protect pointed gourd.
- In **Odisha**, make immediate arrangements to drain excess water from rice, maize, millets, ginger, turmeric, vegetables, pulses and orchards. Protect vegetable nurseries, provide staking to vegetables and undertake earthing-up around newly planted banana saplings; postpone field operations until rainfall ceases and soil conditions become suitable.
- In **South Interior Karnataka**, Protect harvested produce by keeping it in safe, covered storage, and secure farm structures and equipment. Postpone irrigation, intercultural operations and application of plant protection

measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.

- In **Tamil Nadu**, drain excess water from standing crop fields and avoid fertilizer and pesticide applications during rainfall, particularly where heavy rainfall was received yesterday. Provide support to banana plants and prop sugarcane against lodging.
- In **Kerala**, ensure effective drainage in banana, black pepper, coconut, ginger and turmeric fields following the recent rainfall and provide strong support to banana plants and trellis-grown crops. Postpone all field operations until rainfall ceases and soil 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:64.5115.5mm; **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.

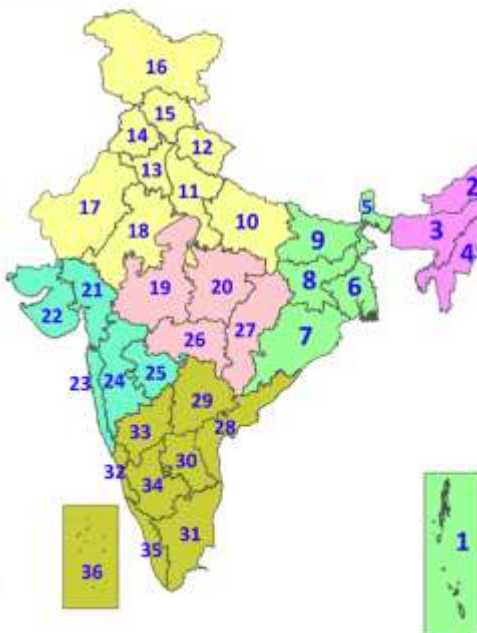
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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 Storm: 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

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