Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 04th November 2026
Time of Issue:1300 hours IST

Subject: (i)A Depression (Remnant of Severe Cyclonic Storm "Murasu") lay over east Telangana & adjoining Coastal Andhra Pradesh. It is likely to cause isolated very heavy rainfall over Coastal Andhra Pradesh and Telangana and isolated heavy rainfall over South Odisha and South Chhattisgarh on 04th November, 2026.

Realized weather during past 24 hours ending at 0830 hours IST of today, the 04th November, 2026:

- **Extremely heavy rainfall (≥ 21 cm)** has been recorded over Telangana and Coastal Andhra Pradesh.
- **Heavy rainfall (7-11 cm)** has been recorded over Chhattisgarh, Coastal & South Interior Karnataka and Tamil Nadu.

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

- Yesterday's **Severe Cyclonic Storm "Murasu"** over south coastal Andhra Pradesh weakened into a cyclonic storm over the same region at 1430 hours IST and further weakened into a Deep Depression over Coastal Andhra Pradesh at 2030 hours IST of 03rd November, 2026. It weakened into a **Depression** over east Telangana & adjoining Coastal Andhra Pradesh at 0530 hours IST and persisted over the same region at 0830 hours IST of today, the 04th November, 2026. It is likely to move nearly northwards and weaken further into a **Well Marked Low Pressure Area** during next 06 hours.
- An **upper air cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric levels.
- An **upper air cyclonic circulation** lies over south Assam & adjoining Bangladesh in lower tropospheric level.
- An **upper air cyclonic circulation** lies over Konkan & Goa & neighbourhood in lower tropospheric level.
- An **upper air cyclonic circulation** lies over South Tamil Nadu & neighbourhood in lower tropospheric levels.
- An **upper air cyclonic circulation** lies over Lakshadweep & neighbourhood in lower tropospheric levels.
- A **Western Disturbance** as a trough in middle tropospheric level runs roughly along Long. 65°E to the north of Lat. 30°N.

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

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 4th-6th November and during 9th-10th November; Coastal Karnataka, Kerala & Mahe, Lakshadweep, Rayalaseema and South Interior Karnataka during 4th-10th November; North Interior Karnataka during 4th-5th November; Coastal Andhra Pradesh & Yanam during 5th-10th November; Telangana during 4th-7th November.
- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 7th-8th November; Coastal Andhra Pradesh & Yanam on 4th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 4th-5th November; Telangana on 4th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over South Interior Karnataka during 4th-6th November; Coastal Andhra Pradesh & Yanam and Rayalaseema during 6th-8th November.
- Isolated **thunderstorm & lightning** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 4th-8th November; Coastal Karnataka during 4th-5th November.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 4th-8th November; Kerala & Mahe on 4th November and during 6th-8th November; Coastal Karnataka on 4th November; South Interior Karnataka during 4th-6th November with isolated **very heavy rainfall** also likely over Coastal Andhra Pradesh & Yanam and Telangana on 4th November.
- **Strong Surface Winds** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 4th-8th November.

Central India:

- **Isolated to Scattered** rainfall likely over East Madhya Pradesh on 4th November; Vidarbha during 4th-5th November; Chhattisgarh during 4th-6th November.
- Isolated **thunderstorm & lightning** likely over Chhattisgarh on 4th November.
- Isolated **heavy rainfall** likely over south Chhattisgarh on 4th November.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 8th-10th November.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands and Odisha during 4th-7th November; Gangetic West Bengal during 9th-10th November; Jharkhand on 4th November and during 9th-10th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Odisha during 4th-5th November.
- Isolated **heavy rainfall** likely over south Odisha on 4th November.

Northwest, West & Northeast India:

- **No significant weather likely over Northwest, West & Northeast India during the week**.

Wind warnings:

- Westcentral Bay of Bengal along & off Andhra Pradesh coast:
  Squally wind speed reaching 40-50 kmph gusting to 60 kmph would prevail during next 6 hours and decrease thereafter.
- East Telangana & North Coastal Andhra Pradesh:
  Squally wind speed reaching 40-50 gusting to 60 kmph would prevail during next 6 hours and decrease gradually thereafter.

Sea condition:

- Westcentral Bay of Bengal along & off Andhra Pradesh coast:
  Sea condition would be rough during next 6 hours and improve gradually thereafter.

Fishermen warnings:

- Bay of Bengal: Along and off Andhra Pradesh coast adjoining Westcentral Bay of Bengal on 04th November.

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_forcast_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):

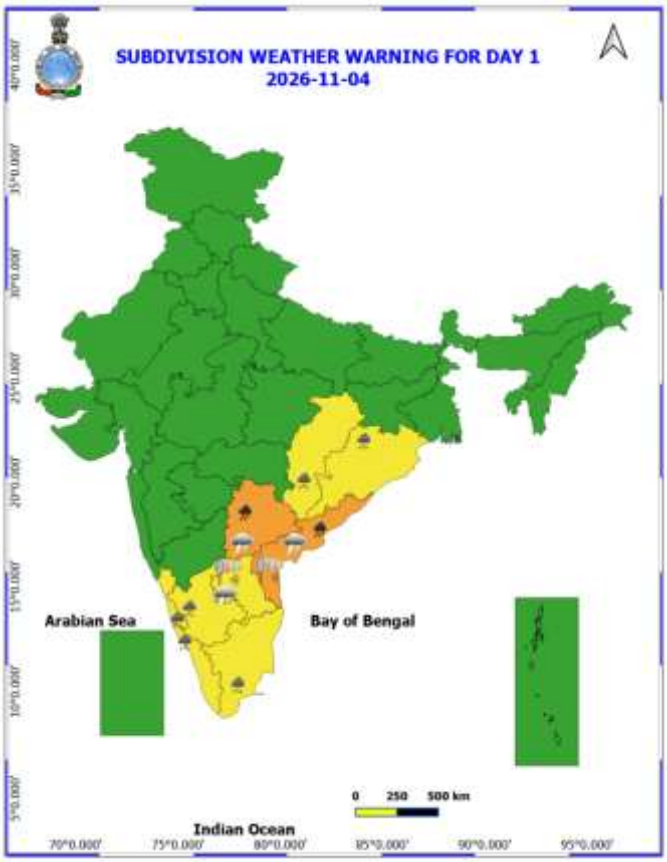
- **Telangana:** Mulakalapalle (dist B. Kothagudem) 24
- **Coastal Andhra Pradesh & Yanam:** West Godavari 21
- **Tamil Nadu**: Thalguni (dist Erode) 9
- **Chhattisgarh**: Pakhanjur (dist Kanker) 8
- **South Interior Karnataka**: Sargur (dist Mysuru) 7
- **Coastal Karnataka**: Dakshina Kannada 7.

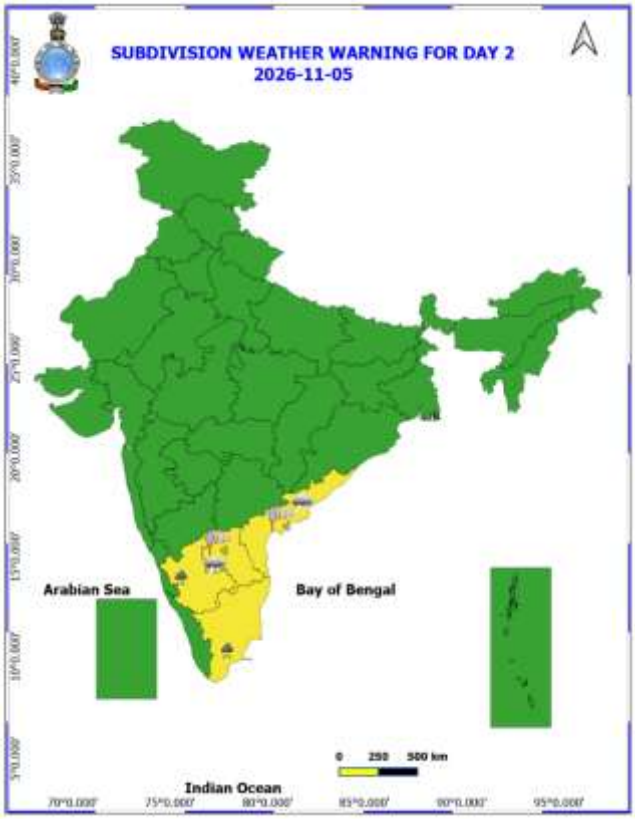
Annexure I

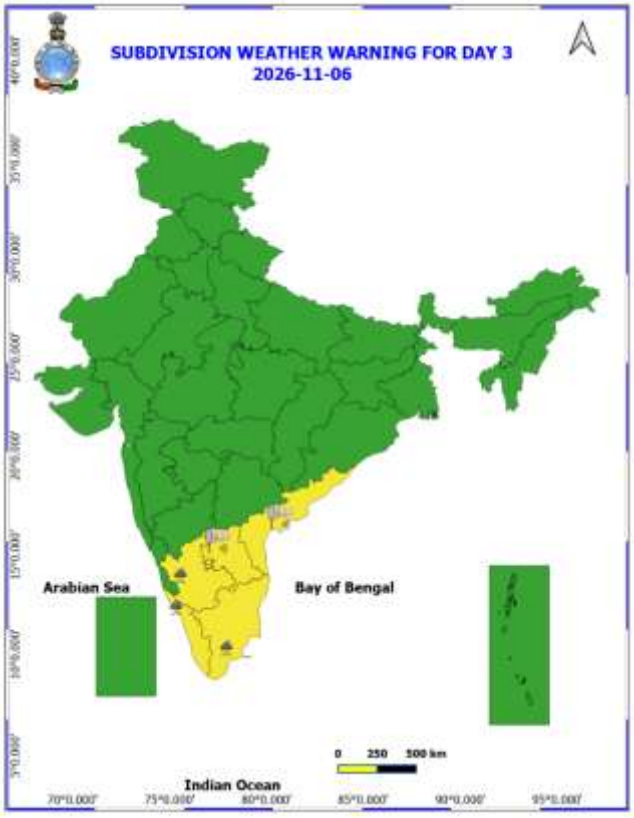
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	4- Nov	5- Nov	6- Nov	7- Nov	8- Nov	9- Nov	10- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	SCT	SCT	FWS	FWS	NIL
2	ARUNACHAL PRADESH	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL	DRY	DRY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

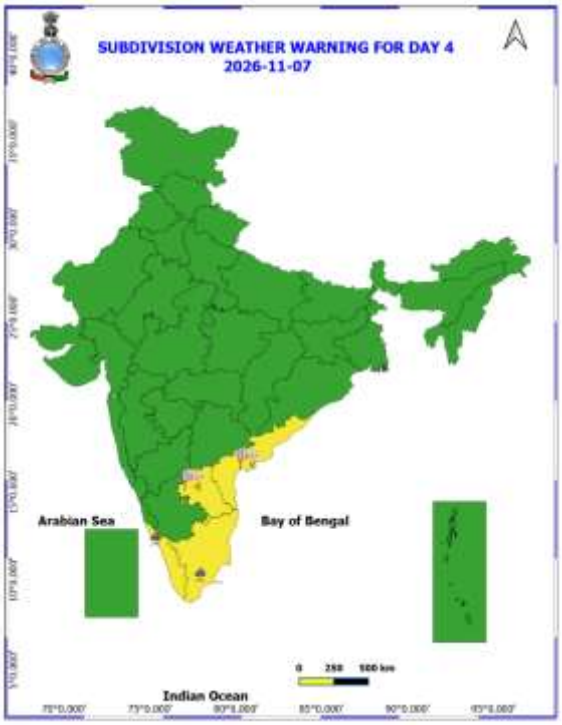
- **As the lead period increases forecast accuracy decrease.**

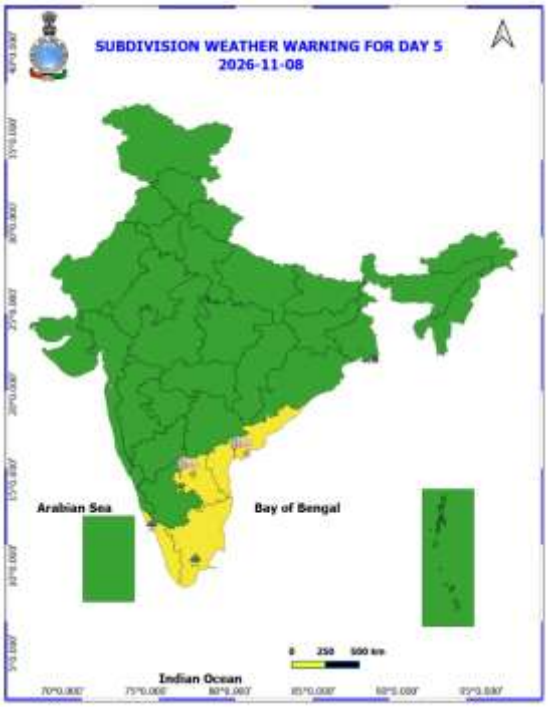
Annexure II

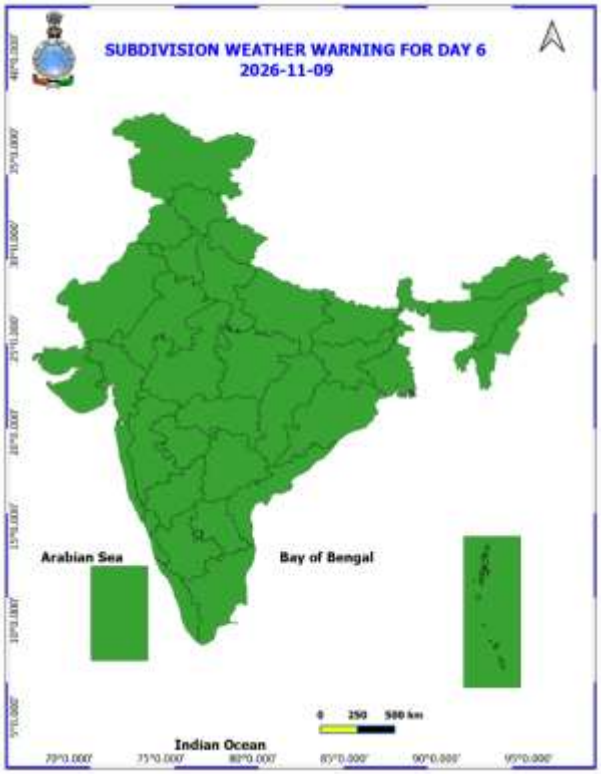

SUBDIVISION WEATHER WARNING FOR DAY 1
2026-11-04
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

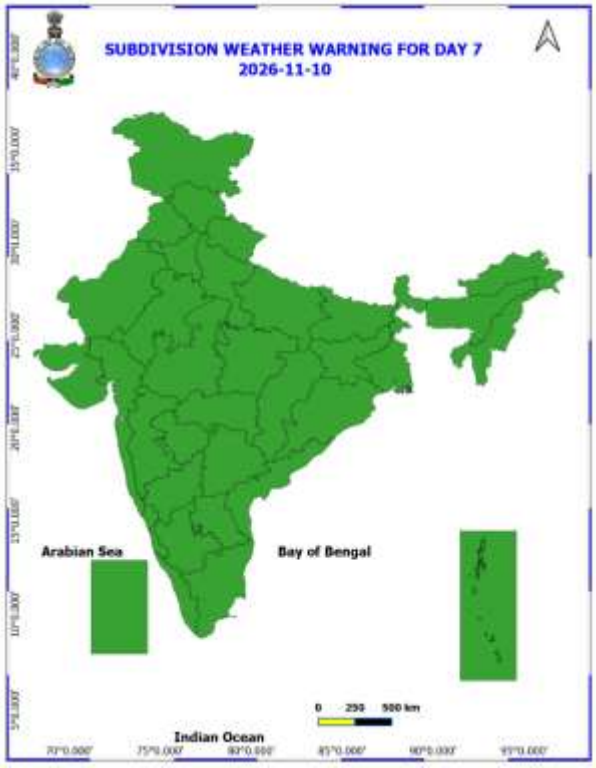

SUBDIVISION WEATHER WARNING FOR DAY 2
2026-11-05
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-11-06
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km









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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

Annexure III

Weather forecast over Delhi/NCR during 04th November to 07th November 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 in the range of 27-29°C and the minimum temperatures are in the range 16-17°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places and normal (1.5°C to 1.5°C) over remaining parts of Delhi during the past 24 hours. The maximum temperatures were appreciably below normal (-3.1°C to -5.0°C) at isolated places, below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Shallow fog was reported at Safdarjung airport. Safdarjung reported lowest visibility 800m from 0630 to 0930 IST, which gradually improved to 1000m at 1000 IST of today, 04.11.2026. Mainly clear sky with surface wind speeds up to 15 kmph from the west direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 10 kmph from the west directions prevailed during forenoon over the region today.

Weather Forecast:

04.11.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 27-29°C. The maximum temperature will be below normal (-1.5°C to -3.0°C) at many 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 surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

05.11.2026: Mainly clear sky. Shallow fog/mist at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29°C and 15°C to 17°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 increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

06.11.2026: Mainly clear sky. Shallow fog/mist at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29°C and 15°C to 17°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 12 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during evening and night hours.

07.11.2026: Mainly clear sky. Shallow fog/mist at a few places in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 27°C to 29°C and 15°C to 17°C, respectively. The minimum temperature will be above normal (-1.6°C to 3.0°C) at many 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 12 kmph during the morning hours. The surface wind speed will increase becoming up to 20 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.

Impact Expected and Action Suggested due to very heavy rainfall:

- **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam and Telangana on 4th November**.

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 **Coastal Andhra Pradesh**, drain excess rainwater from fields of rice, cotton, red gram, maize, sugarcane, groundnut, sorghum, pearl millet, turmeric, ginger and vegetables and plantations of banana, papaya and coffee to prevent waterlogging. Lift lodged plants of rice and sugarcane wherever feasible and provide support to prevent further damage. Withhold sowing of maize, green gram, black gram, sorghum, chickpea and groundnut in waterlogged fields until excess rainwater drains and the soil reaches optimum moisture conditions. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables.
- In **Telangana**, drain out excess rainwater from rice, maize and cotton fields to prevent waterlogging. If lodging occurs in rice crop due to heavy rains, keep the plants upright by bundling and spray 5% salt (sodium chloride) solution on panicles after cessation of rainfall to prevent the sprouting of matured grains.
- In **Tamil Nadu**, provide adequate drainage and drain excess water from rice, maize and casuarina and provide mechanical support to banana plantations. Open field drains immediately to prevent root zone waterlogging in sugarcane.
- In **Odisha**, harvest mature rice crop during clear weather and store the harvested crop in a safe place. Maintain adequate drainage facilities in rice, maize, groundnut, pulses, cotton, sugarcane, vegetables and orchards, particularly in low-lying fields. Provide support to banana and papaya plants, prop sugarcane and stake vegetables and young fruit plants to prevent lodging.
- In **Chhattisgarh**, ensure extensive drainage in mature rice, groundnut, sesame, vegetables, unharvested maize and pulses to prevent waterlogging. Protect harvested produce in safe, covered places and cover fruit and vegetable nurseries with polythene sheets or tarpaulins. Stake vine crops and provide support to young plants.
- In **Keralam**, ensure proper drainage in standing crop fields. Undertake transplanting of *rabi* rice only when field conditions are suitable. Prepare well-drained planting pits for banana. Provide support to banana and papaya plantations and stake young plants and vegetables wherever required to minimise damage from gusty winds.
- In **South Interior Karnataka**, maintain proper drainage in rice, ginger and other standing crops. Harvest matured crop immediately wherever feasible and shift the already harvested produce to safer places. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables in areas exposed to gusty winds.

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.

Advisories for likely impact of Heavy Rainfall for 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:

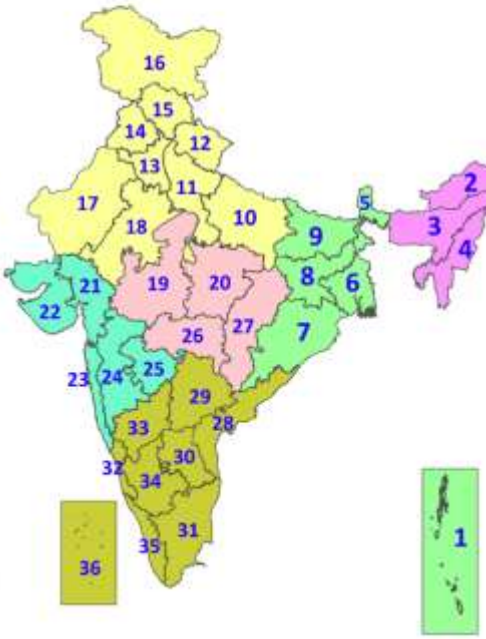
Heavy Rain:64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
Obsy: Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: Part Time 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.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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

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)

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
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पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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 ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

- **Heat Wave:** When actual maximum temperature ≥45°C.
- **Severe Heat Wave:** When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

(b) Based on actual Minimum Temperature (for Plains only)

- **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C
- **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations

When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

- **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 ≤4°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 118-165 kmph (64 - 89 knots)
- **Extremely Severe Cyclonic Storm**: Wind speed 166-220 kmph (90 -119 knots)
- **Super Cyclone Strom**: Wind speed >220 kmph (>119 knots)

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