Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 03rd November 2026
Time of Issue:1330 hours IST

Subject: (i) The Severe Cyclonic Storm "Murasu" over south coastal Andhra Pradesh is very likely to move north-northwestwards, weaken into a cyclonic storm by noon and further into a deep depression by mid-night of today, the 3rd November, 2026.
(ii) Under the influence of the above system, isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam & adjoining Telangana on 3rd and isolated very heavy rainfall over Coastal Andhra Pradesh & Yanam on 4th November, 2026. Isolated heavy rainfall also likely over Rayalaseema and South Odisha on 03rd and over South Chhattisgarh on 03rd and 04th November

Realized weather during past 24 hours ending at 0830 hours IST of today, the 03rd November, 2026:

- **Extremely heavy rainfall (12-21 cm)** has been recorded over Coastal Andhra Pradesh.
- **Heavy rainfall (7-11 cm)** has been recorded over Tamil Nadu.

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

- Yesterday's **Severe Cyclonic Storm "Murasu"** over the Westcentral & adjoining Southwest Bay of Bengal crossed south Andhra Pradesh coast between Nellore and Narasapur close to Ongole (near Latitude 15.53°N and Longitude 80.22°E) during 0330 to 0530 hours IST with the wind speed of 100-110 kmph gusting to 120 kmph. It lay centered at 0830 hours IST of today the 03rd November, 2026 over south coastal Andhra Pradesh near Latitude 15.7°N and Longitude 80.2°E about 30 km north-northeast of Ongole, 40 km southwest of Bapatla, 90 km north-northeast of Kavali. It is very likely to move north-northwestwards and weaken gradually into a cyclonic storm (wind speed reaching 80-90 kmph gusting to 100 kmph) by noon and further into a deep depression (wind speed reaching 55-65 kmph gusting to 75 kmph) by mid-night of today, the 3rd November, 2026.
- An upper air cyclonic circulation lies over Lakshadweep & neighbourhood in lower tropospheric level.
- An upper air cyclonic lies over Coastal Karnataka in lower tropospheric level.
- An upper air cyclonic circulation lies over South Tamil Nadu in lower tropospheric level.

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

South Peninsular India:

- **Fairly Widespread to Widespread** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 5th-8th November; Kerala & Mahe during 4th-8th November; Lakshadweep on 3rd November and during 7th-9th November; South Interior Karnataka during 4th-5th November; Coastal Andhra Pradesh & Yanam during 3rd-4th November; Rayalaseema and Telangana on 3rd November.
- **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 3rd-4th November and on 9th November; Kerala & Mahe on 3rd November and on 9th November; Lakshadweep during 4th-6th November; Coastal Karnataka during 3rd-9th November; North Interior Karnataka during 3rd-6th November; South Interior Karnataka on 3rd November and during 6th-9th November; Coastal Andhra Pradesh & Yanam during 5th-9th November; Rayalaseema during 4th-9th November; Telangana during 4th-7th November.
- Isolated thunderstorm, lightning & gusty winds (speed reaching 80-90 kmph) likely over Coastal Andhra Pradesh & Yanam on 3rd November, with gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Tamil Nadu, Puducherry & Karaikal during 3rd-7th November; Coastal Andhra Pradesh & Yanam on 4th November; Rayalaseema during 4th-5th November, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 3rd-4th November and during 6th-8th November; Lakshadweep on 3rd November and on 5th November; North Interior Karnataka on 3rd November; South Interior Karnataka during 3rd-5th November; Coastal Andhra Pradesh & Yanam during 5th-7th November; Rayalaseema during 6th-7th November.
- Isolated **thunderstorm & lightning** likely over Coastal Karnataka during 3rd-5th November.
- Isolated **heavy rainfall** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 3rd-8th November; South Interior Karnataka during 4th-5th November; Coastal Andhra Pradesh & Yanam and Rayalaseema on 3rd November; Telangana during 3rd-4th November with isolated **very heavy rainfall** also likely over Coastal Andhra Pradesh & Yanam on 4th November.

- **Isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam and Telangana on 3rd November.**
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over Rayalaseema on 3rd November.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 3rd-7th November.

Central India:

- **Fairly Widespread to Widespread** rainfall likely over Chhattisgarh during 4th-5th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Chhattisgarh during 3rd-4th November.
- Isolated **thunderstorm & lightning** likely over East Madhya Pradesh during 3rd-4th November.
- **Isolated to Scattered** rainfall likely over West Madhya Pradesh on 3rd November; East Madhya Pradesh during 3rd-4th November; Vidarbha during 3rd-5th November; Chhattisgarh on 3rd November and during 6th-7th November.
- Isolated **heavy rainfall** likely over Chhattisgarh during 3rd-4th November.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Odisha during 3rd-4th November.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Odisha during 3rd-4th November.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 3rd-9th November; Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim on 3rd November; Jharkhand during 3rd-4th November; Odisha during 5th-7th November.
- Isolated **heavy rainfall** likely over Odisha on 3rd November.

Northwest, West & Northeast India:

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

Wind warnings:

- **Westcentral Bay of Bengal**:
  Gale wind speed reaching 95-105 gusting to 115 kmph is prevailing and would decrease gradually becoming 65-75 kmph gusting to 85 kmph by evening of 3rd, 40-50 gusting to 60 kmph by 4th morning and improve thereafter.
- **Southwest Bay of Bengal & Along & off North Tamil Nadu-Puducherry coasts**:
  Squally wind speed reaching 50-60 gusting to 70 kmph would prevail till afternoon of 03rd November. It would gradually decrease becoming 40-50 gusting to 60 kmph by 03rd November evening and decrease thereafter.
- **Coastal Andhra Pradesh (Krishna, Bapatla, Prakasham, SPSR Nellore, Guntur, Eluru, NTR, Palnadu and West Godavari districts)**:
  Gale wind speed reaching 95-105 gusting to 115 kmph is prevailing and it would decrease gradually becoming 85-95 gusting to 105 kmph by noon of 3rd November and becoming squally wind speed reaching 55-65 kmph gusting to 75 kmph by 3rd midnight and decrease thereafter.
- **Adjoining Areas of Northwest Bay of Bengal and South Odisha coast (Malkangiri, Koraput, Rayagada, Gajapati and Ganjam districts)**:
  Squally weather with wind speed reaching 50-60 gusting to 70 kmph would prevail till 3rd November evening. It would decrease gradually thereafter.
- **Telangana (Khammam, Suryapet, Nalgonda, Nagarkurnool, Wanaparthy, Mahabubabad, Warangal, Jangaon, Karimnagar & B. Kothagudem) & Rayalaseema (Chittoor & Tirupathi)**
  Gale wind speed reaching 70-80 gusting to 90 kmph would prevail till noon of 3rd November. It would decrease gradually thereafter becoming 50-60 gusting to 70 by midnight of todat, the 3rf November 2026.

Sea condition:

- **Westcentral Bay of Bengal and along & off Andhra Pradesh coast**:
  Very High Sea to High Sea condition would prevail till 3rd November, evening. Thereafter, it would start improving becoming Very Rough to Rough by 4th morning and improve thereafter.
- **Southwest Bay of Bengal and along & off North Tamil Nadu- Puducherry coasts**:
  Very Rough to Rough till 03rd November evening.
- **Adjoining Areas of Northwest Bay of Bengal and along & off South Odisha coast**:
  Very Rough to Rough sea conditions would prevail till 3rd November evening and would improve thereafter.

Storm Surge Warning:

The storm surge of height about 0.5-1.0 m above astronomical tides likely to continue till noon and gradually decrease thereafter.

Fishermen warnings:

Fishermen are advised not to venture into:

- Westcentral Bay of Bengal and along & off Andhra Pradesh coast till 4th November morning
- Southwest Bay of Bengal and along & off North Tamil Nadu- Puducherry coasts till evening of 3rd November
- Adjoining Areas of Northwest Bay of Bengal and along & off South Odisha coast till 3rd November evening.

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

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):

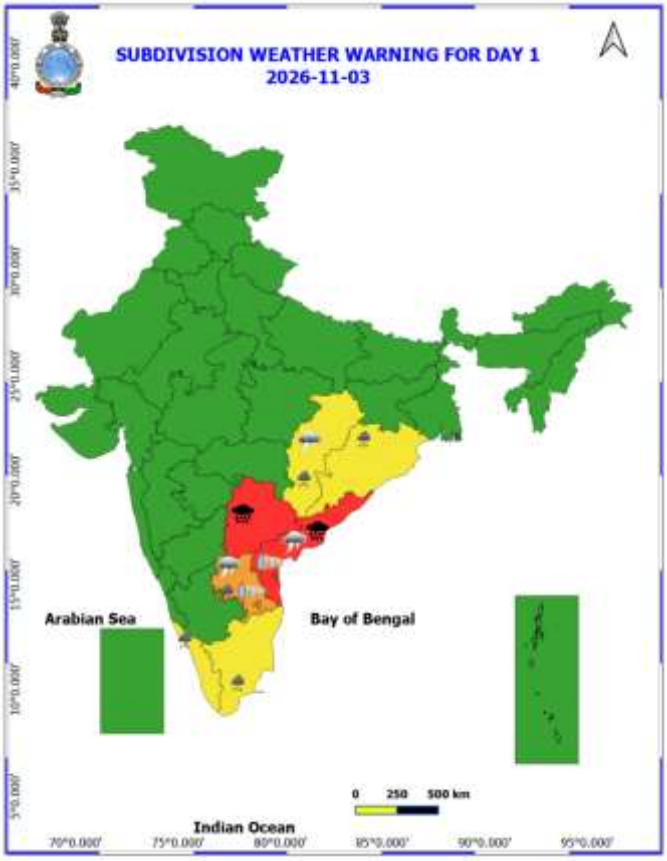
- **Coastal Andhra Pradesh & Yanam:** Bapatla 22
- **Tamil Nadu:** Cuddalore (Cuddalore ARG) 9.

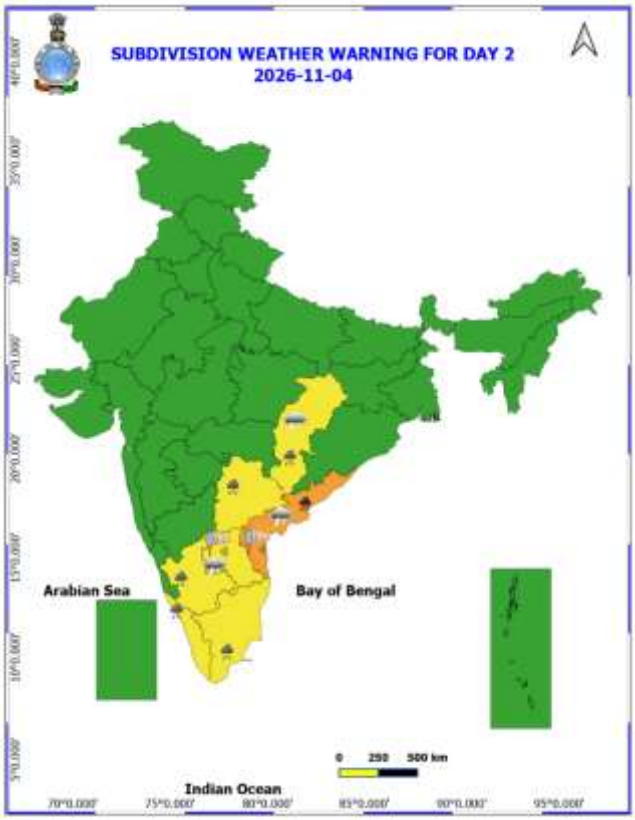
Annexure I

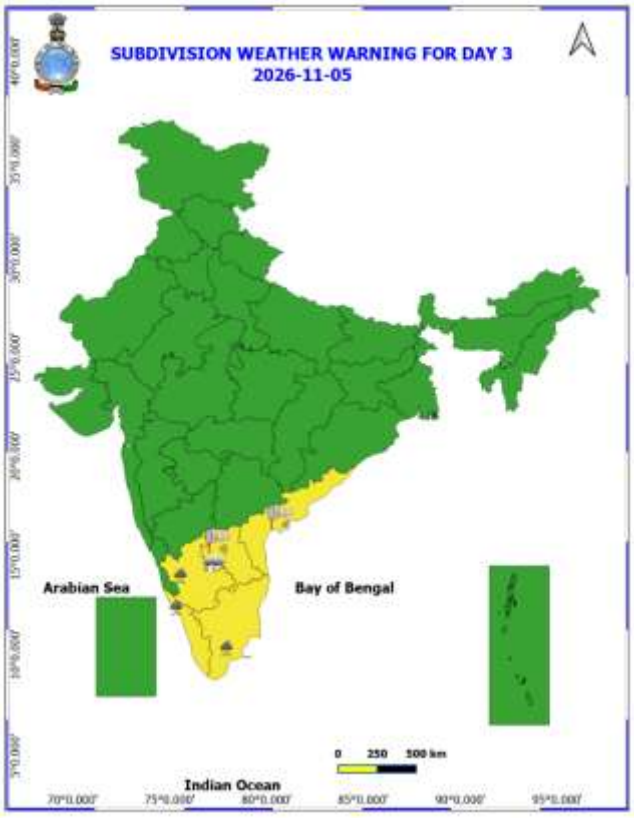
Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	3- Nov	4- Nov	5- Nov	6- Nov	7- Nov	8- Nov	9- Nov
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL
3	ASSAM & MEHGHALAYA	ISOL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

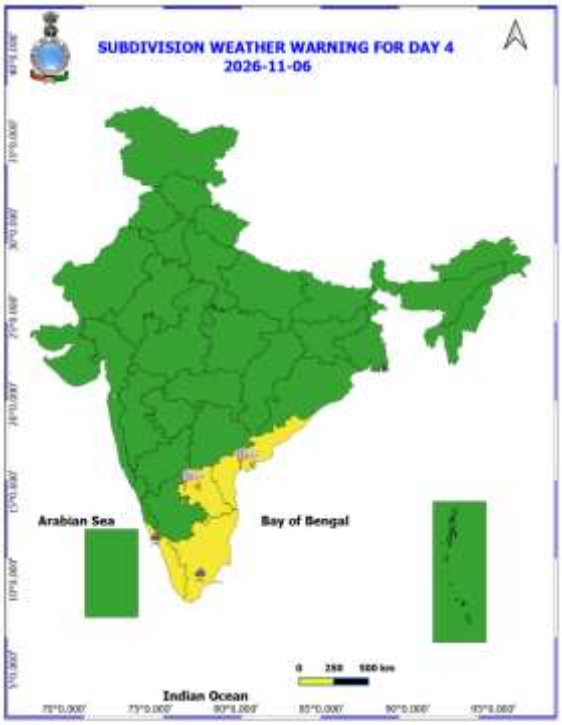
- **As the lead period increases forecast accuracy decrease.**

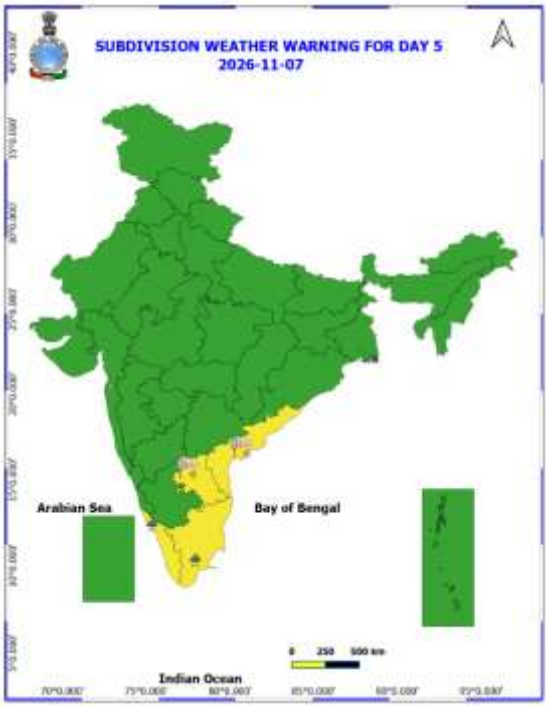
Annexure II

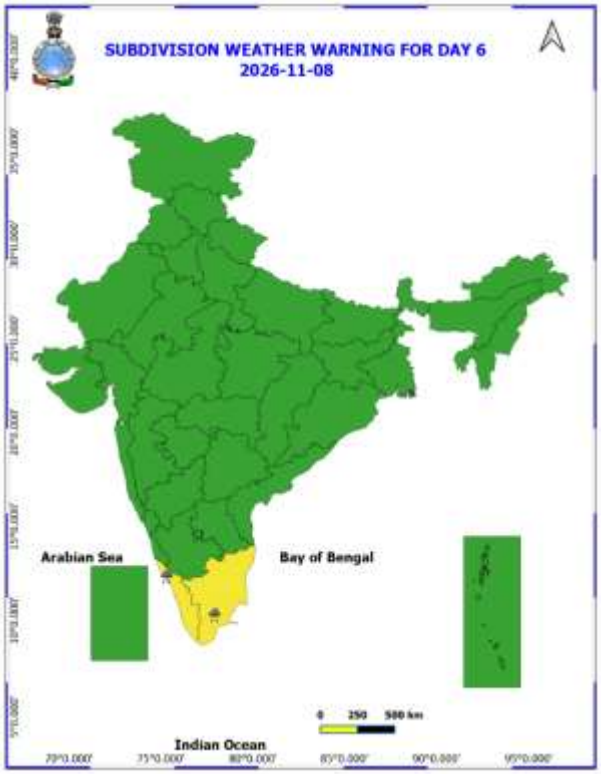

SUBDIVISION WEATHER WARNING FOR DAY 1
2026-11-03
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

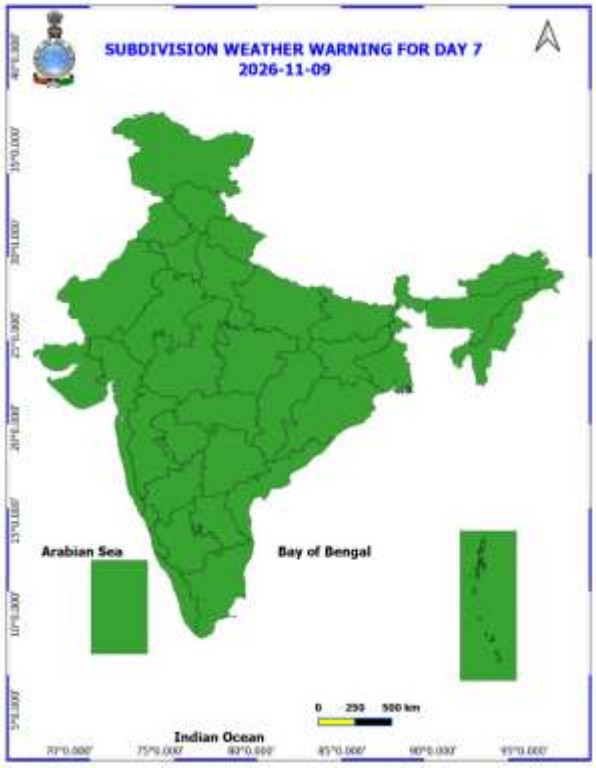

SUBDIVISION WEATHER WARNING FOR DAY 2
2026-11-04
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-11-05
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km







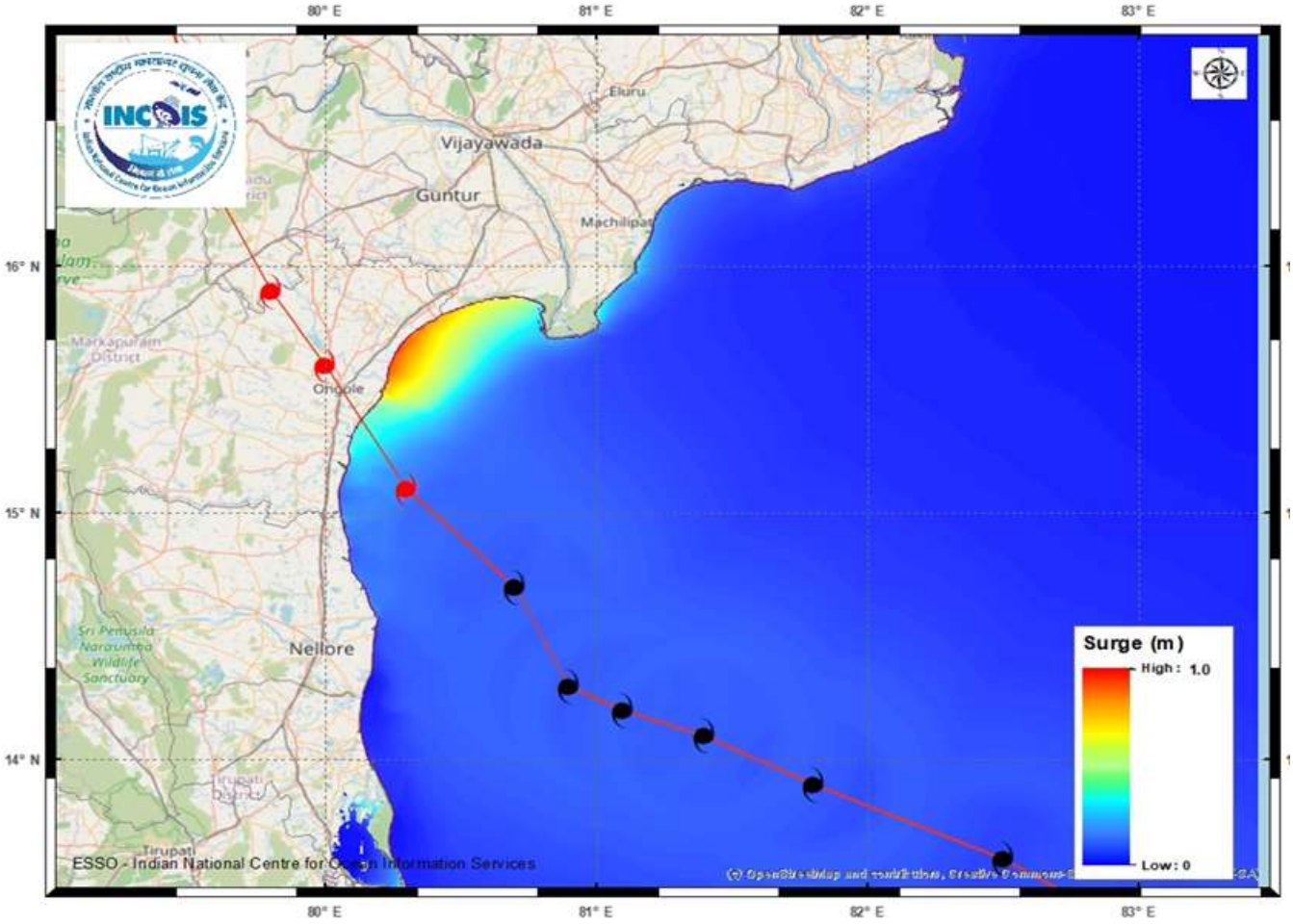


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Action may be taken based on ORANGE AND REDCOLOUR warnings.
Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
As the lead period increases forecast accuracy decreases.

Detailed district-wise Multi-Hazard weather warning for next five days available at
https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

Annexure III

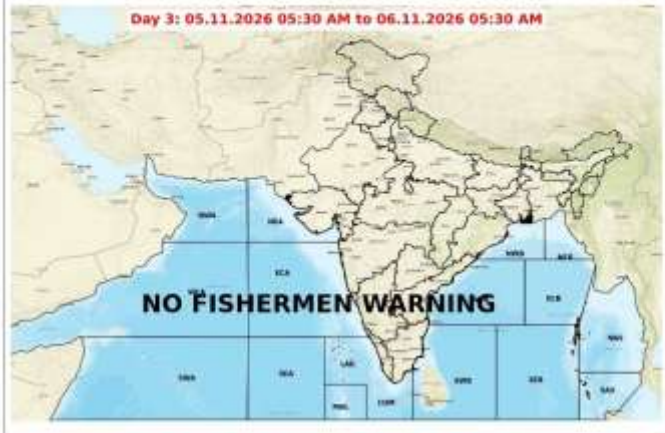


Annexure IV

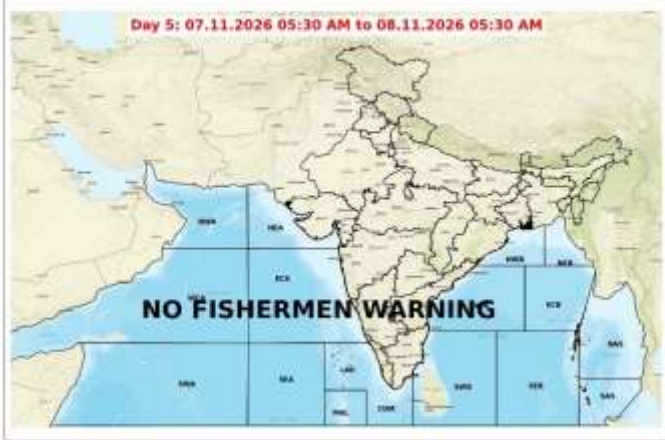
Fishermen Warning Graphics











Legend

- Squally Weather with wind speed 35-45 kmph gusting to 55 kmph
- Squally Weather with wind speed 40-50 kmph gusting to 60 kmph
- Squally Weather with wind speed 45-55 kmph gusting to 65 kmph
- Squally wind with speed 45-55 kmph gusting to 65 kmph
- Squally wind with speed 50-60 kmph gusting to 70 kmph
- Squally wind with speed 55-65 kmph gusting to 75 kmph
- CS with Gale winds with speed 60-80 kmph gusting to 90 kmph
- SCS with Gale wind speed 90-110 kmph gusting to 120 kmph
- VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph
- ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph

Fishermen are advised not to venture into the marked areas.

Annexure V

Weather forecast over Delhi/NCR during 03rd November to 06th November 2026

Past Weather:

There has been no large change in maximum temperatures and in 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 900m from 0630 to 0830 IST, which gradually improved to 1200m at 0900 IST of today, 03.11.2026. 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 southwest directions prevailed during forenoon over the region today.

Weather Forecast:

03.11.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 28-30°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 20 kmph during the afternoon. The surface wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night hours.

04.11.2026: Mainly clear sky. Mist 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 14°C to 16°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 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.

05.11.2026: Mainly clear sky. Mist in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°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 10 kmph during the morning hours. The surface wind speed will increase 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.

06.11.2026: Mainly clear sky. Mist in the morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°C and 15°C to 17°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°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 10 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 15 kmph from the northwest direction during evening and night hours.

Impact Expected and Action Suggested due to extremely/ very heavy rainfall:

- **Isolated extremely heavy rainfall likely over Coastal Andhra Pradesh & Yanam and Telangana on 3rd November.**
- **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam 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**, provide adequate drainage in paddy, groundnut, cotton, red gram, sugarcane, maize, vegetable, banana and papaya fields to prevent waterlogging. Lift lodged rice and vegetable plants after rainfall subsides, and raise and tie lodged sugarcane. Withhold sowing of rabi maize, green gram, black gram, horse gram and sunhemp until optimum soil moisture is attained. Provide mechanical support to banana and papaya plantations and stake young plants and vegetables.
- In **Rayalaseema**, ensure adequate drainage in standing crops and postpone irrigation, fertilizer application and spraying during the rainfall spell.
- In **Telangana**, provide extensive drainage in unharvested rice, maize, cotton, fruits and vegetables field. Postpone harvesting of mature rice, maize, cotton, fruits and vegetables crops and shift the already harvested produce to safer places.
- In **Tamil Nadu**, provide adequate drainage and drain excess water in rice, maize and casuarina and provide mechanical support to banana plantations. Open field drains immediately to prevent root zone waterlogging in sugarcane. Keep the harvested produce to safe and covered places.
- In **Odisha**, maintain adequate drainage from paddy, maize, groundnut, pulses, cotton, sugarcane, vegetables and orchards, particularly in low-lying fields. In lodged paddy, tie panicles into bundles and raise them upright after water recedes.. Provide support to banana and papaya plants, prop sugarcane and stake vegetables and young fruit plants against lodging.
- In **Chhattisgarh**, ensure extensive drainage in mature paddy, 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 rabi rice transplanting only when field conditions are suitable and 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 paddy, 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.

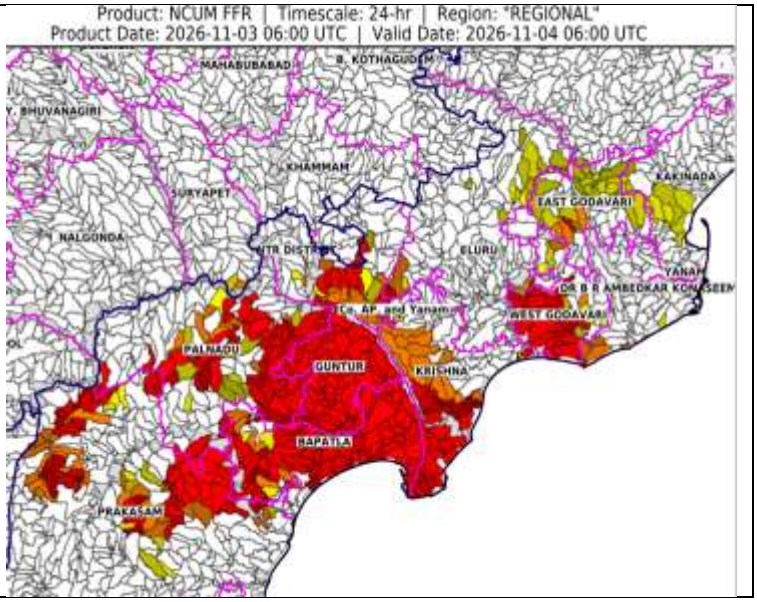
Flash Flood Guidance:

Flash Flood Risk (FFR) till 1130 IST of 04-11-2026:

Under the influence of Severe Cyclonic Storm "Murasu", Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Coastal Andhra Pradesh & Yanam: Prakasam, Palnadu, Bapatla, Guntur, Krishna, Ntr District, Eluru, East Godavari, West Godavari, Dr B R Ambedkar Konaseema and Kakinada 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:

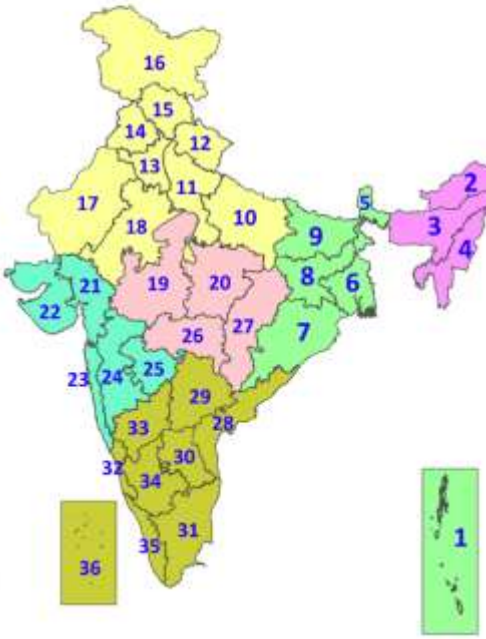
Northwest India: Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
Central India: West Madhya Pradesh, East Madhya Pradesh, Vidarbha 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.

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
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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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