



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 21st October 2026

Time of Issue: 1315 hours IST

Subject: Under the influence of the low-pressure area over Southwest Bay of Bengal off Tamil Nadu coast, isolated heavy to very heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal and Kerala during 21st-25th; isolated heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal on 26th; Kerala on 26th & 27th; Lakshadweep on 21st, 22nd & 25th; South Interior Karnataka during 22nd-25th; Coastal Andhra Pradesh & Yanam and Rayalaseema on 21st October, 2026.

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

- ❖ **Very heavy rainfall (12-20 cm)** has been recorded over Tamil Nadu and Keralam.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Rayalaseema.

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

- ❖ Under the influence of the upper air cyclonic circulation over Southwest Bay of Bengal off Tamil Nadu coast, a **Low Pressure area** formed over the same region at 0530 hrs IST and persisted over the same region at 0830 hrs IST of today, the 21st October, 2026.
- ❖ An **upper air cyclonic circulation** lies over Gulf of Thailand and adjoining Thailand & Myanmar in lower & middle tropospheric levels at 0830 Hrs IST of today, 21st October. It is likely to emerge into north Andaman Sea by today, 21st October. Thereafter it will move west-north-westwards. Under its influence a low-pressure area is likely to form over Southeast and adjoining East-central Bay of Bengal around 23rd October, 2026. Then it is likely to move north-westwards and intensify further.
- ❖ An **upper air cyclonic circulation** lies over southwest Rajasthan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Bangladesh in lower tropospheric level.
- ❖ A fresh **Western disturbance** is likely to affect Northwest India from 24th October, 2026.

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 21st-22nd October; Kerala & Mahe and Lakshadweep during 21st-27th October; Coastal Karnataka and South Interior Karnataka during 22nd-24th October.
- ❖ **Isolated to Scattered** rainfall likely over Tamil Nadu, Puducherry & Karaikal during 23rd-27th October; Coastal Karnataka and South Interior Karnataka on 21st October and during 25th-27th October; North Interior Karnataka during 22nd-25th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 21st-27th October; Telangana on 21st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 21st-26th October; Kerala & Mahe and Lakshadweep during 24th-25th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Lakshadweep and Rayalaseema during 21st-23rd October; North Interior Karnataka and South Interior Karnataka during 22nd-24th October; Telangana on 21st October.
- ❖ Isolated **thunderstorm & lightning** likely over Coastal Karnataka during 21st-25th October; North Interior Karnataka on 25th October; South Interior Karnataka on 21st October and on 25th October.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 26th October; Kerala & Mahe on 23rd October and during 26th-27th October; Lakshadweep during 21st-22nd October and on 25th October; South Interior Karnataka during 22nd-25th October; Coastal Andhra Pradesh & Yanam and Rayalaseema on 21st October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 21st-25th October; Kerala & Mahe during 21st-22nd October and during 24th-25th October; Lakshadweep during 23rd-24th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 21st-23rd October.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 21st-27th October.
- ❖ **Isolated to Scattered** rainfall likely over Odisha during 26th-27th October.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 22nd-27th October.

Northwest, Central, West & Northeast India:

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

Hot & Humid weather warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa during 21st-22nd October.

Fishermen warning:

- ❖ **Arabian Sea:** Along and off Kerala coast and over Lakshadweep Area till 26th October and Along and off Karnataka coast during 23rd to 26th October.
- ❖ **Bay of Bengal:** Over Gulf of Mannar adjoining Comorin area and along & off South Tamil Nadu and north Sri Lanka coasts on 21st October; over Andaman Sea during 23rd to 26th October, over many parts of eastcentral & southeast Bay of Bengal on 23rd October, over Gulf of Mannar adjoining Comorin area and most parts of south Bay of Bengal during 24th to 26th October and Over most parts of eastcentral Bay of Bengal during 24th to 26th October.

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>

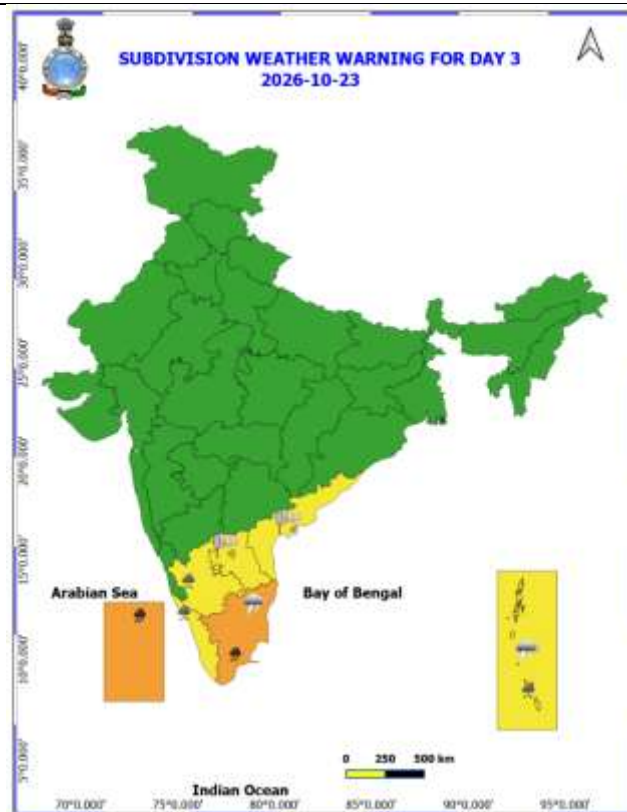
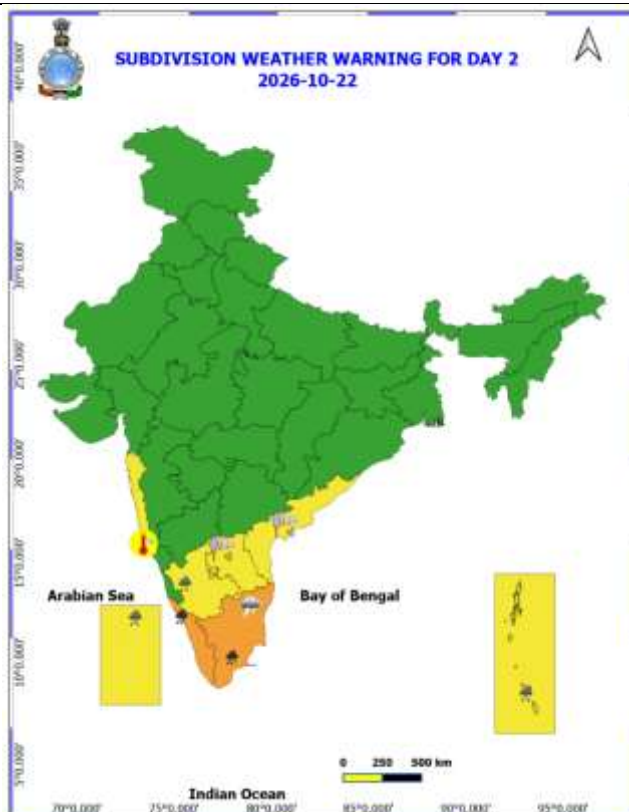
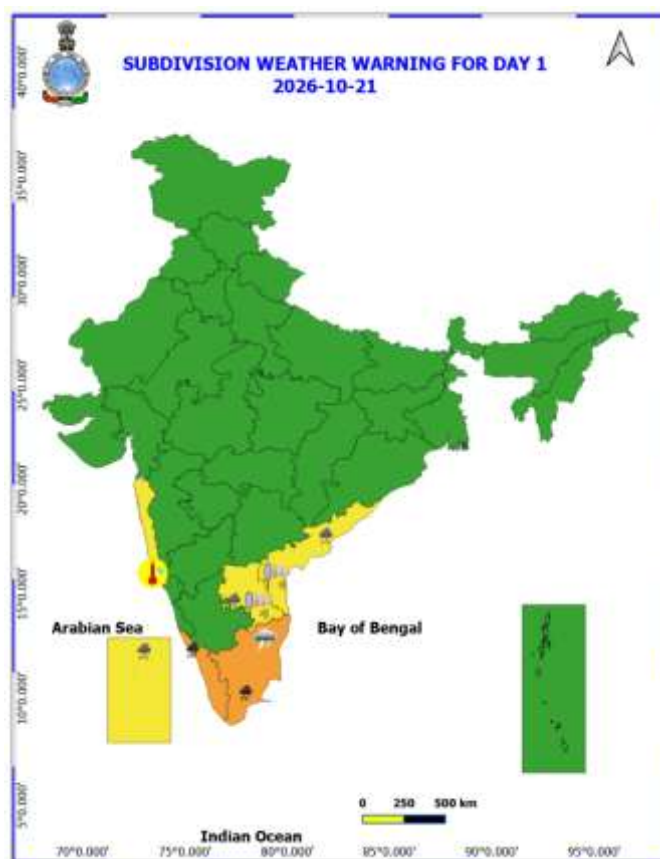
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

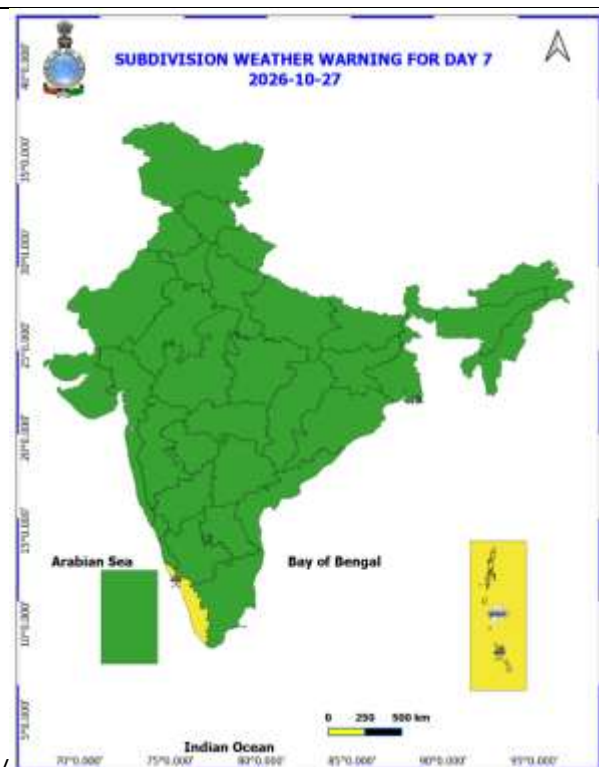
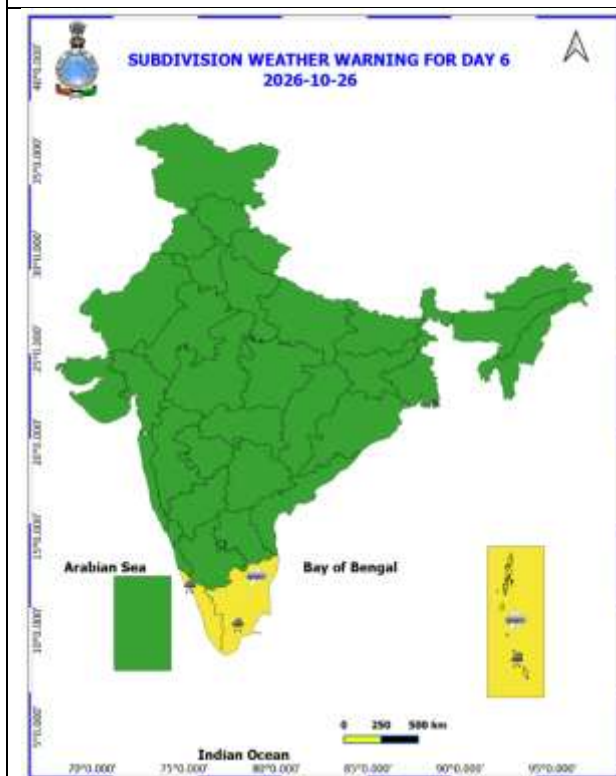
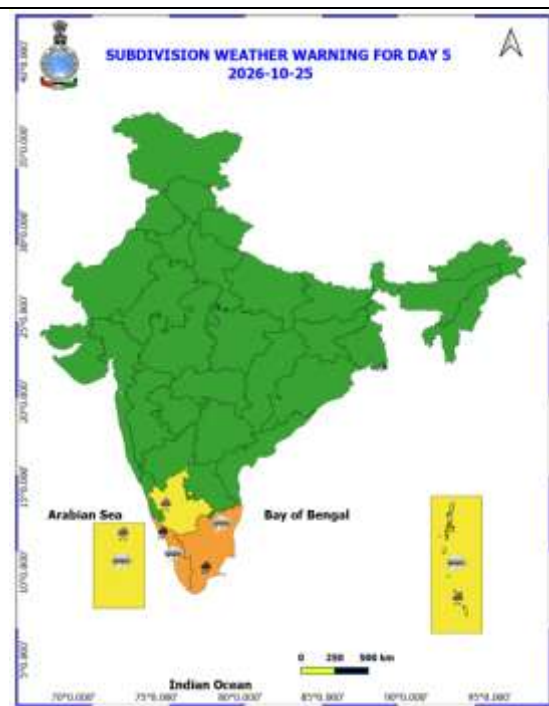
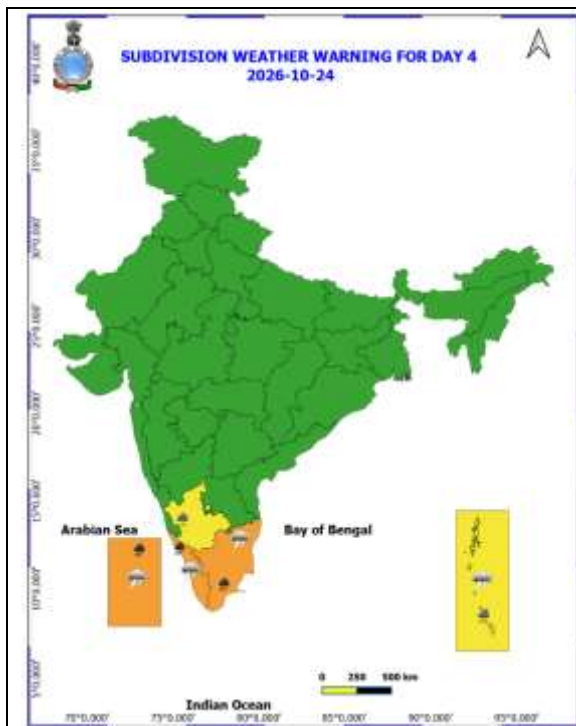
Highest rainfall recorded (≥ 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **Tamil Nadu:** MGR Nagar 15
- ❖ **Keralam:** Ponmudi (Trivandrum district) 14
- ❖ **Rayalaseema:** Tirupati 11.

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

- As the lead period increases forecast accuracy decrease.





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

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

Weather forecast over Delhi/NCR during 21st Oct. to 24th Oct. 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 29-32°C and the minimum temperatures are in the range 18-19°C respectively during past 24 hours over Delhi. The minimum temperatures are normal (-1.5°C to 1.5°C) at most places over Delhi. 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 a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Mainly clear sky with surface wind speed 18 kmph from the northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 10 kmph from the west direction likely to prevail during forenoon over the region today.

Weather Forecast:

21.10.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 30-32°C. The maximum temperatures will be below 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 coming up to 10 kmph from the northeast direction during evening and night hours.

22.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 17°C to 19°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 associated with calm wind speeds reaching up to 05 kmph during 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 north direction during evening and night hours.

23.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 17°C to 19°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 associated with calm wind speeds reaching up to 05 kmph during 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 northeast direction during evening and night hours.

24.10.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 18°C to 20°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 northeast 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 northeast direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from east direction during evening and night hours.

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

- ❖ Isolated very heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal during 21st-25th October; Kerala & Mahe during 21st-22nd October and during 24th-25th October; Lakshadweep during 23rd-24th October.
- ❖ Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal on 26th October; Kerala & Mahe on 23rd October and during 26th-27th October; Lakshadweep during 21st-22nd October and on 25th October; South Interior Karnataka during 22nd-25th October; Coastal Andhra Pradesh & Yanam and Rayalaseema on 21st October.

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 **Tamil Nadu**, drain excess water from paddy, banana, cotton, turmeric, sugarcane and tapioca fields to prevent waterlogging. Keep the harvested produce of paddy and groundnut in safe places. Postpone fertilizer application, pesticide spraying and intercultural operations during rainfall.
- In **Keralam**, ensure proper drainage in paddy, coconut, vegetables, ginger, banana field. Provide mechanical support to banana and papaya plants and stake young plants to avoid lodging. Monitor paddy for blast and sheath rot under wet conditions. Postpone fertilizer application and plant-protection operations during rainfall.
- In **Coastal Andhra Pradesh**, make necessary arrangement for drainage in standing crops, particularly rice, maize, finger millet, groundnut and vegetables. Provide mechanical support to horticultural crops and stake vegetables against strong winds. Harvest mature groundnut and maize during suitable dry intervals and store the produce safely. Postpone fertilizer application, pesticide spraying and intercultural operations during heavy rainfall.
- In **Rayalaseema**, ensure adequate drainage in crop fields and provide mechanical support to horticultural crops and staking to vegetables to minimise lodging due to strong winds. Suspend fertilizer application, pesticide spraying and other field operations during heavy rain and thunderstorms.
- In **Andaman and Nicobar Islands**, harvest mature rice and keep the harvested produce in covered shaded and well ventilated and dry place. Make necessary arrangements to drain out excess rain water from rice, black pepper plantation and clean drainage channels to prevent water stagnation around the base of coconut palms.

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 or 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.

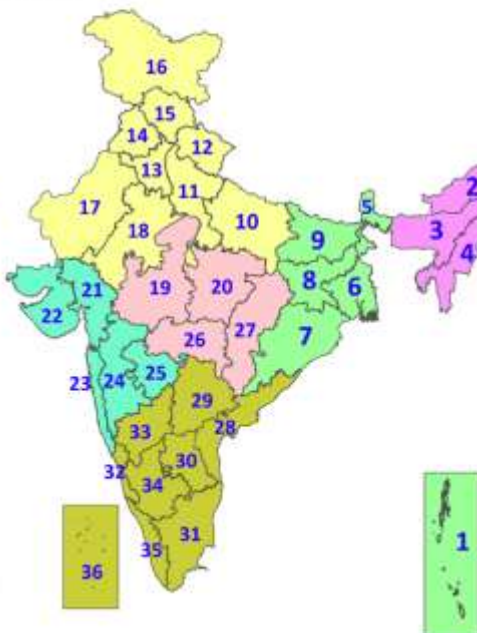
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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 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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