



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 19th October, 2025

Time of Issue: 1330 hours IST

Subject: (i) Well marked Low-Pressure area over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts. It is likely to move west-northwestwards and intensify into a depression during next 24 hours.

(ii) A Low-Pressure Area is likely to form over southeast Bay of Bengal around 21st October. It is likely to move west-northwestwards and intensify further into a depression over central parts of south Bay of Bengal and adjoining westcentral Bay of Bengal during subsequent 48 hours.

(iii) Isolated heavy to very heavy rainfall likely over Kerala, Lakshadweep, Tamil Nadu, Puducherry, Andhra Pradesh, coastal & south interior Karnataka during next 7 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 19th October, 2025:

- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Tamil Nadu, Kerala, South Interior Karnataka and Coastal Andhra Pradesh.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Coastal Karnataka.

For more details of realised weather, kindly refer [ANNEXURE I](#).

Weather Systems, Forecast and Warnings (refer to ANNEXURE II & III):

- ❖ The **Well marked Low Pressure** area over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts persisted at 0830 hrs IST of today, 19th October 2025. It is likely to move west north-westwards and intensify into a depression during next 24 hours.
- ❖ An **upper air cyclonic circulation** lies over south Andaman Sea & adjoining southeast Bay of Bengal in lower tropospheric level. Under its influence, A low pressure area is likely to form over southeast Bay of Bengal around 21st October. It is likely to move west-northwestwards and intensify further into a depression over central parts of south Bay of Bengal and adjoining westcentral Bay of Bengal during subsequent 48 hours.
- ❖ A **trough** runs from the cyclonic circulation associated with well-marked Low-Pressure area over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts to the southwest Bay of Bengal in lower tropospheric level.
- ❖ A feeble **Western Disturbance** likely to impact western Himalayan region from 21st October, 2025.

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

South Peninsular India:

- ❖ Light to moderate rainfall/thunderstorm at many/some places with isolated **heavy rainfall** over Tamil Nadu, Puducherry & Karaikal and Rayalaseema during 19th-21st; Kerala & Mahe on 21st & 22nd; Lakshadweep on 20th & during 23rd -25th; Coastal Karnataka during 19th -25th; North Interior Karnataka on 23rd; South Interior Karnataka during 19th -23th; Coastal Andhra Pradesh & Yanam during 20th - 21st with **very heavy rainfall over Kerala & Mahe on 19th & 20th and during 23rd -25th; Lakshadweep on 19th; Tamil Nadu and Rayalaseema during 22nd -25th; South Interior Karnataka on 24th & 25th, Coastal Andhra Pradesh & Yanam during 19th & 22nd -25th October.**
- ❖ Strong surface winds (speed reaching 30-40 kmph) likely over South Interior Karnataka on 24th & 25th October.

Northeast, East & Central India:

- ❖ Light to moderate rain/thunderstorm at many places with isolated **heavy rainfall** over Andaman & Nicobar Islands during 19th-23rd and Mizoram on 23rd October.
- ❖ Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) likely over Odisha during 19th-21st; Andaman & Nicobar Islands during 19th-25th; with lightning over Madhya Pradesh and Vidarbha during 21st-23rd; Chhattisgarh during 20th-24th; Nagaland, Manipur, Mizoram & Tripura during 19th-23rd October.

West India:

- ❖ Thunderstorm with lightning likely over Konkan & Goa, Marathawada and Madhya Maharashtra during next 3 days.

Warning for Arabian Sea, Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts

Wind warning: Squally weather with wind speed reaching 35-45 gusting to 55 kmph is prevailing over Southeast and adjoining Eastcentral Arabian Sea, Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts. It is likely to increase becoming squally wind with speed reaching 40-50 kmph gusting to 60 kmph over Southeast & adjoining Eastcentral Arabian Sea from evening of today, the 19th October to 20th October, over central parts of south & adjoining central Arabian sea on 21st October and over southwest & adjoining westcentral Arabian Sea on 22nd & 23rd October.

Sea condition: Sea condition is moderate to rough over Southeast and adjoining Eastcentral Arabian Sea, Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts. It would become rough to very rough over Southeast & adjoining Eastcentral Arabian Sea from 19th to 20th October, over central parts of south and adjoining central Arabian Sea from on 21st October and over southwest and adjoining westcentral Arabian Sea on 22nd & 23rd October 2025.

Fishermen warnings: Fishermen are advised not to venture into Southeast & adjoining Eastcentral Arabian Sea, Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts till 20th October and over southwest and adjoining west central Arabian Sea during 21th to 23rd October 2025.

Warning for Areas of Bay of Bengal and adjoining South Andaman Sea

Wind warning: Squally weather with wind speed reaching 35-45 gusting to 55 kmph is likely to prevail over Southeast Bay of Bengal and adjoining South Andaman Sea on 21st and 22nd October. Squally wind with speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over central parts of south Bay of Bengal and adjoining areas of central Bay of Bengal on 23rd, and becoming 45-55 kmph gusting to 65 kmph over Southwest and adjoining Westcentral Bay of Bengal on 24th & 25th October. Squally wind with speed reaching 35-45 kmph gusting to 55 kmph likely to prevail along & off Tamil Nadu & south Andhra Pradesh coasts on 22nd & becoming 40-50 kmph gusting to 60 kmph on 23rd October. It is likely to increase becoming 45-55 kmph gusting to 65 kmph on 24th & 25th October.

Sea conditions: Sea condition is likely to be moderate to rough over Southeast Bay of Bengal and adjoining South Andaman Sea on 21st and 22nd October. Sea condition is likely to become rough to very rough over central parts of south Bay of Bengal and adjoining areas of central Bay of Bengal on 23rd and over Southwest and adjoining Westcentral Bay of Bengal on 24th & 25th October. Sea condition is likely to be moderate to rough along & off Tamil Nadu & south Andhra Pradesh coasts on 22nd and rough to very rough on 23rd to 25th October.

Fishermen Warning: Fishermen are advised not to venture into South and adjoining central Bay of Bengal from 21st afternoon onwards. Those fishermen out at sea should return to coast by 21st October.

ii. Weather conditions and forecast over Delhi/NCR during 19th to 22nd October, 2025 (ANNEXURE IV)

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/fishermen-warning.php>

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 19th October (≥ 7 cm):

Tamil Nadu, Puducherry & Karaikal: Kothagiri (dist Nilgiris) 14; Kovilankulam (dist Virudhunagar), Aruppukottai Kvk AWS (dist Virudhunagar) 13 Each; Pwd Makkinampatti (dist Coimbatore) 12; Aruppukottai (dist Virudhunagar), Rajapalayam (dist Virudhunagar), Sivakasi (dist Virudhunagar), Kavundapadi (dist Erode) 11 Each; Kil Kotagiri Estate (dist Nilgiris) 10; Peraiyur (dist Madurai), Burliar (dist Nilgiris), Kodanad (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris), Pwd Vaarappatti (dist Coimbatore) 9 Each; Pollachi (dist Coimbatore), Kayalpattinam (dist Toothukudi), Vembakottai (dist Virudhunagar), Aliyar (dist Coimbatore), Geddai (dist Nilgiris) 8 Each; Coonoor PTO (dist Nilgiris), Alakarai Estate (dist Nilgiris) 7 Each;

Kerala & Mahe: Ernakulam South (dist Ernakulam) 13; Mattanchery AWS (dist Ernakulam), Palemad AWS (dist Malappuram) 12 Each; Kochi IAF (dist Ernakulam) 9; Mangalam Dam AWS (dist Palakkad) 8; Kunnamangalam AWS (dist Kozhikode) 7;

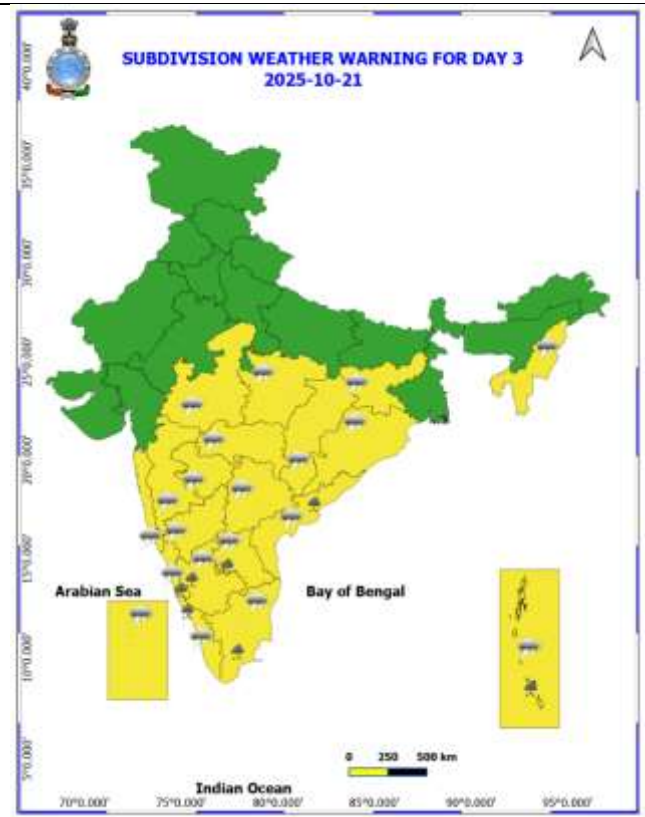
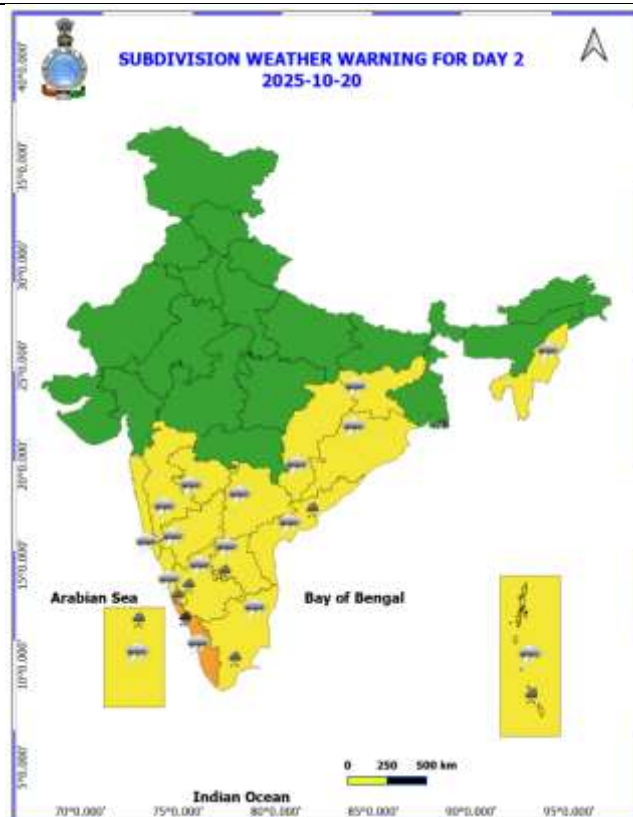
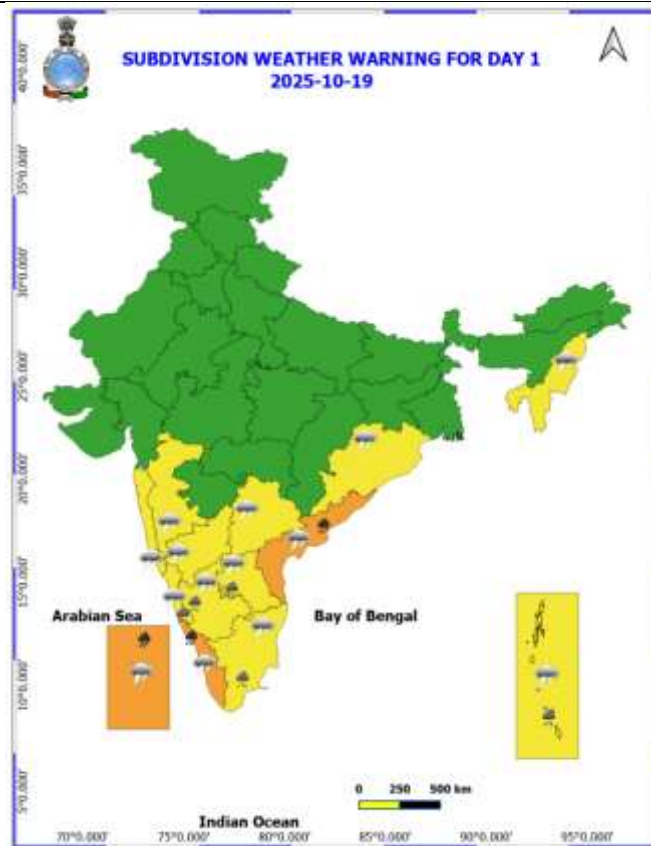
Coastal Andhra Pradesh & Yanam: Peddapuram (dist Kakinada) 12; Prakasam Barrage (dist Ntr District) 11; Polavaram (dist Eluru), Vijayawada(ARG) (dist Ntr District) 10 Each; Koyyalagudem (dist Eluru), Atmakur (dist Spsr Nellore) 8 Each; Mangalagiri (dist Guntur), Tuni (dist Kakinada), Bapatla (dist Bapatla), Chimakurthi (dist Prakasam), Gudivada (dist Krishna) 7 Each;

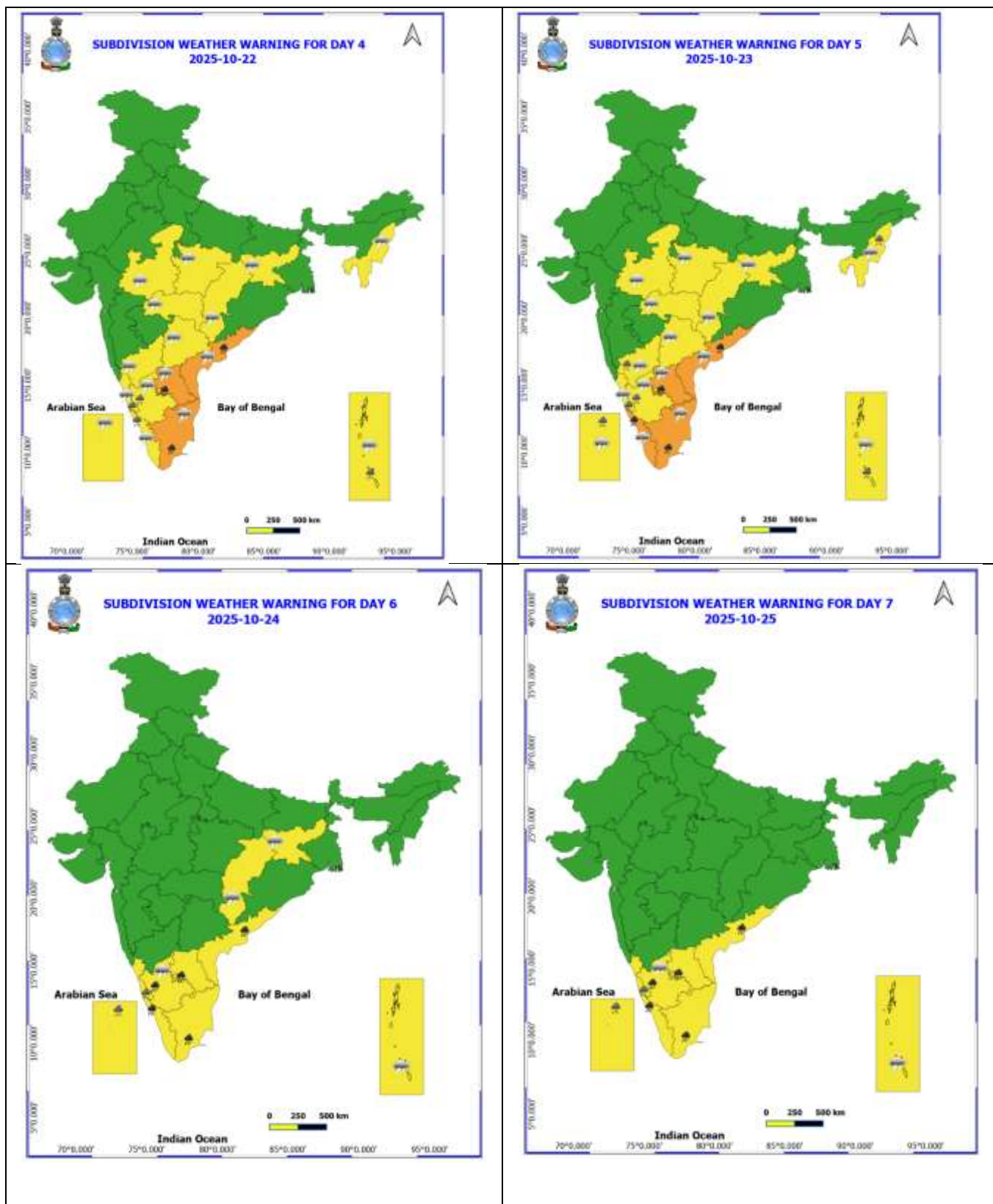
South Interior Karnataka: Yagati (dist Chikkamagaluru) 12; Sringeri HMS (dist Chikkamagaluru), Arkalgud (dist Hassan) 11 Each; Belur (dist Hassan) 8; Agumbe AWS (dist Shivamogga), Ajjampura (dist Chikkamagaluru) 7 Each;

Coastal Karnataka: Karkala (dist Udupi), Belthangadi (dist Dakshina Kannada) 8 Each; Bantwal (dist Dakshina Kannada) 7.

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

- 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 districtwise MultiHazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 19th to 22nd October 2025**Past Weather:**

There has been rise in the minimum temperature up to 1°C and rise in maximum temperature up to 1°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 30 to 33°C and 19 to 20°C respectively. The minimum temperature was above normal up to 1 – 2°C and maximum temperature was near normal. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speeds up to 10 kmph prevailed during the past 24 hours. Mainly clear sky conditions with haze/mist during early morning hour associated with calm wind as gradually increase becoming up to 06 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

19.10.2025: Mainly clear sky with mist/haze from noon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C. The maximum temperature will be above normal up to 1 – 2°C. The predominant surface wind will likely to be from the northeast direction with a wind speed of up to 00 -06 kmph during afternoon hours. The wind speed will decrease becoming less than 06 kmph from the east direction during the evening and night.

20.10.2025: Smog/shallow fog is likely at many places during morning hours becoming mainly clear sky with mist/haze from noon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 20 to 22°C respectively. The minimum temperature will be above normal up to 1 – 3°C and the maximum temperature will be above normal up to 1 – 2°C. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 06 kmph during morning hours. The wind speed will gradually increase becoming less than 08 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 06 kmph from the east direction during the evening and night.

21.10.2025: Smog/shallow fog is likely at many places during morning hours becoming mainly clear sky with mist/haze from noon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 20 to 22°C respectively. The minimum temperature will be above normal up to 1 – 3°C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 06 kmph during morning hours. The wind speed will increase becoming less than 08 kmph from the southeast direction in the afternoon. The wind speed will gradually decrease becoming less than 06 kmph from the northeast direction during the evening and night.

22.10.2025: Smog/shallow to moderate fog is likely at many places during morning hours becoming mainly clear sky with mist/haze from noon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 19 to 21°C respectively. The minimum temperature will be above normal up to 1 – 2°C and the maximum temperature will be near normal. The predominant surface wind will likely to be from the variable direction with a wind speed of calm during morning hours. The wind speed will increase becoming less than 12 kmph from the north direction in the afternoon. The wind speed will gradually decrease becoming less than 08 kmph from the north direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Very heavy rainfall** over Kerala & Mahe on 19th & 20th and during 23rd -25th; Lakshadweep on 19th; Tamil Nadu and Rayalaseema during 22nd -25th; South Interior Karnataka on 24th & 25th, Coastal Andhra Pradesh & Yanam during 19th & 22nd -25th October.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutchha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments mainly over Bihar, Jharkhand and West Bengal (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy Rainfall

- In **Tamil Nadu**, store the harvested produce of rice and groundnut in safer places. Drain out excess water from fields of rice, cotton, black gram, maize, tapioca and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation.
- In **Kerala**, keep the harvested produce of rice in safer places. Drain out excess water from fields of rice, vegetables and plantations of banana, coconut, arecanut, cardamom and black pepper.
- In **Andhra Pradesh**, harvest matured groundnut crop and matured cobs of maize during fair weather / non-rainy period only and store the produce in safe places. Provide adequate drainage facilities in fields of rice, maize, pigeon pea, black gram, green gram, groundnut, turmeric, ginger, vegetables and plantations of banana, coconut and arecanut.
- In **Coastal Karnataka**, drain out excess water from fields of rice and plantations of coconut, arecanut and black pepper. In **South Interior Karnataka**, keep the harvested produce of groundnut and maize in dry, covered and ventilated areas or cover with tarpaulins in the fields. Harvest matured crops such as rice, pulses, vegetables, cardamom and coffee during dry intervals and store the harvested produce in well-ventilated and moisture-free places. Make necessary arrangements to drain out excess water from fields of rice, maize, finger millet, pulses, groundnut and vegetables and plantations of banana, black pepper, cardamom, coffee, coconut and arecanut to avoid waterlogging.

Livestock / Fishery

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

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally 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.
- Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.

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, 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

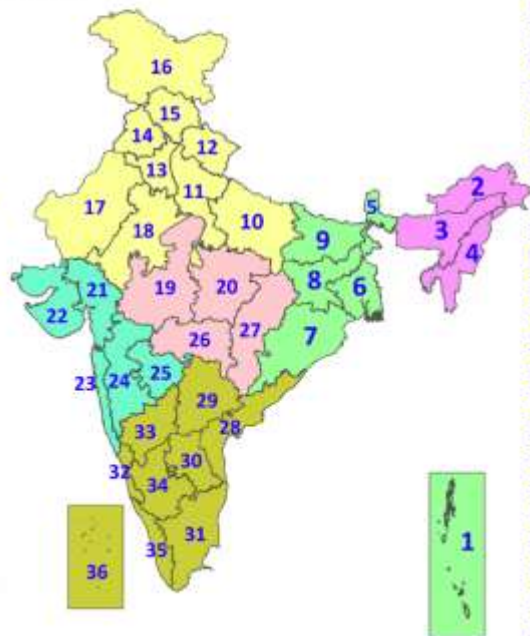
32. तटीय कर्नाटक

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 62-67 kmph

Very Severe: Wind speed > 67 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 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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