



**Government of India
Ministry of Earth Sciences
India Meteorological Department**



Press Release

Date: 24th October, 2025

Time of Issue: 1430 hours IST

Subject: (i) Depression over eastcentral Arabian Sea.

(ii) Low Pressure Area over southeast Bay of Bengal and possible intensification into a Cyclonic Storm over southwest & adjoining westcentral Bay of Bengal by 27th October.

(iii) Heavy to very heavy rainfall likely over Tamil Nadu, Kerala & Mahe during 24th-28th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 24th-29th; Odisha during 27th -29th October with possibility of extremely heavy rainfall at isolated places likely over Rayalaseema on 27th; Coastal Andhra Pradesh & Yanam on 27th & 28th October.

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

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

For more details of realised weather, kindly refer ANNEXURE I.

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

- ❖ Yesterday's **Depression** over southeast Arabian Sea moved north-northeastwards and lay centered at 0530 hrs IST of today, the 24th October 2025, over the Eastcentral and adjoining Southeast Arabian Sea. It moved north-northeastwards and lay centered at 0830 hrs IST of today, the 24th October 2025, over the eastcentral Arabian Sea, near latitude 14.0°N & longitude 70.6°E, about 380 km west-southwest of Panjim (Goa), 400km northwest of Aminidivi (Lakshadweep), and 480 km west-northwest of Mangalore (Karnataka). It is likely to continue to move nearly north-northeastwards across Eastcentral Arabian Sea during next 24 hours.
- ❖ Under the influence of yesterday's upper air cyclonic circulation over southeast Bay of Bengal & adjoining south Andaman Sea, a **low pressure area** has formed over southeast Bay of Bengal at 0530 hrs IST of today, the 24th October 2025. It slowly moved west-northwestwards and lay over the same region at 0830hrs IST of today, the 24th October 2025. It is likely to move west-northwestwards, intensify into a depression over southeast and adjoining central Bay of Bengal by 25th and further into a deep depression by 26th and into a cyclonic storm over southwest & adjoining westcentral Bay of Bengal by 27th morning.
- ❖ Yesterday's low pressure area over South Interior Karnataka and neighbourhood moved west-northwestwards across north Kerala, emerged over eastcentral & adjoining southeast Arabian Sea and then became less marked at 1730 hrs IST of yesterday, the 23rd October 2025.
- ❖ A fresh Western Disturbance likely to impact Western Himalayan Region from 27th October, 2025.

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

South Peninsular India:

- ❖ Light to moderate rainfall/thunderstorm at most/many places with isolated **heavy rainfall over** Tamil Nadu, Kerala & Mahe during 24th-28th; Coastal Andhra Pradesh & Yanam, Rayalaseema during 24th-29th; Coastal Karnataka during 24th-27th; North Interior Karnataka on 24th; Telangana on 24th, 27th & 28th; South Interior Karnataka on 27th October with isolated **very heavy rainfall over Kerala & Mahe on 24th; Tamil Nadu & Coastal Karnataka on 27th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 26th-28th October.**
- ❖ **Extremely heavy rainfall (≥21 cm)** likely at isolated places over Coastal Andhra Pradesh & Yanam on 27th & 28th and Rayalaseema on 27th October.
- ❖ Thunderstorm with lightning likely over the region during next 5 days.

- ❖ Strong surface winds (speed reaching 30-50 kmph) likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during next 5 days.

East & Central India:

- ❖ Light to moderate rain/thunderstorm at some/isolated places with isolated **heavy rainfall** over Andaman & Nicobar Islands on 24th & 25th; Gangetic West Bengal during 28th-30th; Jharkhand on 29th; Odisha during 27th-29th; Sub-Himalayan West Bengal & Sikkim on 29th & 30th October with isolated **very heavy rainfall** over Odisha during 27th-29th October.
- ❖ Thunderstorm with lightning and gusty winds (speed reaching 40-50 kmph) likely over Andaman & Nicobar Islands during next 5 days; and with lightning over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days.

West India:

- ❖ Light to moderate rain/thunderstorm at many places with isolated **heavy rainfall** over Konkan & Goa on 24th & 25th and Madhya Maharashtra on 24th; Gujarat State during 25th-27th October.
- ❖ Thunderstorm with lightning likely over the region during next 4-5 days.

Northeast India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 29th & 30th October.

Northwest India:

- ❖ No large change in minimum temperature likely over Northwest India for next 4-5 days except East Uttar Pradesh where minimum temperature likely to fall by 2-3°C during next 2 days.

Warning for Arabian Sea, Lakshadweep & Comorin Area and along & off Karnataka, Kerala coasts and along & off Maharashtra and Gujarat coasts

Wind warning:

Squally wind with speed reaching 45-55 gusting to 65 kmph prevailing around the system center and continue to prevail over Eastcentral and adjoining Southeast Arabian Sea till 26th October.

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 26th October, and wind speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts on 25th and 26th October.

Sea condition:

Sea Condition is likely to be rough to very rough over Eastcentral and adjoining Southeast Arabian Sea till 26th October.

Sea Condition is likely to be rough over Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 26th October.

Sea Condition is likely to be moderate to rough over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts on 25th and 26th October.

Fishermen warnings:

Fishermen are advised not to venture into Eastcentral and adjoining Southeast Arabian Sea a, Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 26th October, and northeast Arabian Sea and along & off Maharashtra and Gujarat coasts on 25th and 26th October.

Warning for Areas of Bay of Bengal and Andaman Sea

Wind warning:

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail over southeast Bay of Bengal and Andaman Sea & adjoining areas of Eastcentral Bay of Bengal till 24th October. It is likely to increase becoming squally wind speed reaching 50-60 kmph gusting to 70 kmph over central parts of Bay of Bengal on 25th and Gale wind speed reaching 60-70 kmph gusting to 80 kmph from 26th October evening onwards till 27th evening. It is likely to increase becoming Gale wind speed reaching 70-80 kmph gusting 90 kmph over westcentral and adjoining northwest Bay of Bengal till 29th October.

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail along & off Tamil Nadu - Puducherry coast from 25th to 28th October, along & off Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail along & off Andhra Pradesh coast from 25th October. It is likely to

increase becoming 45-55 kmph gusting to 65 kmph from 26th evening and gale wind speed reaching 60-70 kmph gusting to 80 kmph from 27th evening till 29th October.

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail along & off Odisha coast from 26th October. It is likely to increase becoming 45-55 kmph gusting to 65 kmph from 27th and 50-60 kmph gusting to 70 kmph from 28th till 29th October.

Sea conditions:

Sea condition is likely to be moderate to rough over southeast Bay of Bengal and adjoining areas Andaman Sea & eastcentral Bay of Bengal till 24th October.

Sea condition is likely to be rough to very rough over central parts of Bay of Bengal on 25th October and becoming high from 26th evening onwards.

Sea condition is likely to be moderate to rough over along & off Tamil Nadu - Puducherry coasts during 25th & 26th October. It is likely to become rough to very rough from 26th evening onwards till 27th October and becoming very rough to high over westcentral and adjoining northwest Bay of Bengal from 28th October till 29th October.

Sea condition is likely to be moderate to rough over along & off Andhra Pradesh coast during 25th. It is likely to become rough to very rough from 26th evening onwards till 27th October and high from 28th till 29th October.

Sea condition is likely to be moderate to rough over along & off Odisha coast from 26th October. It is likely to become rough to very rough on 27th and very rough to high from 28th till 29th October.

Fishermen Warning:

Fishermen are advised not to venture into Southwest, adjoining central Bay of Bengal, along & off Tamil Nadu - Andhra Pradesh coasts 25th October onwards and along & off Odisha coast from 26th onwards.

ii. Weather conditions and forecast over Delhi/NCR during 24th to 27th 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>

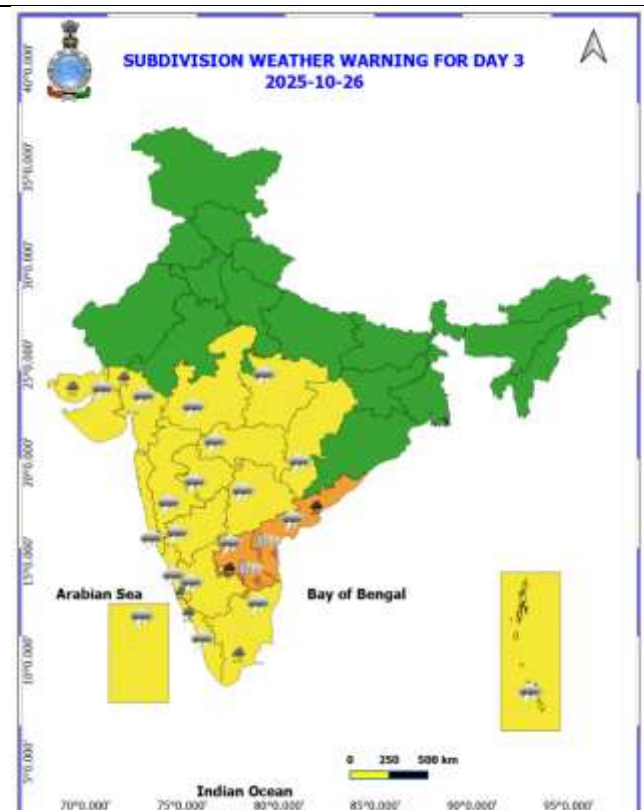
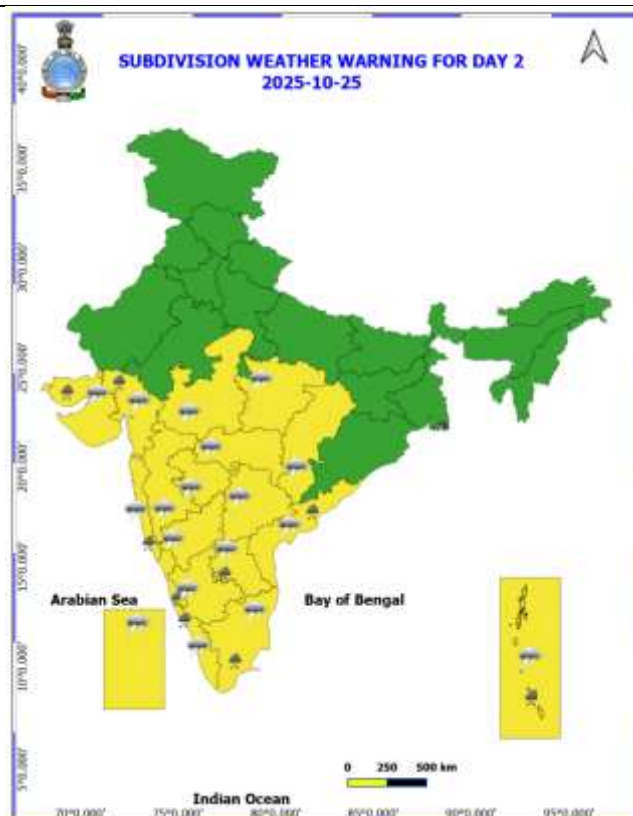
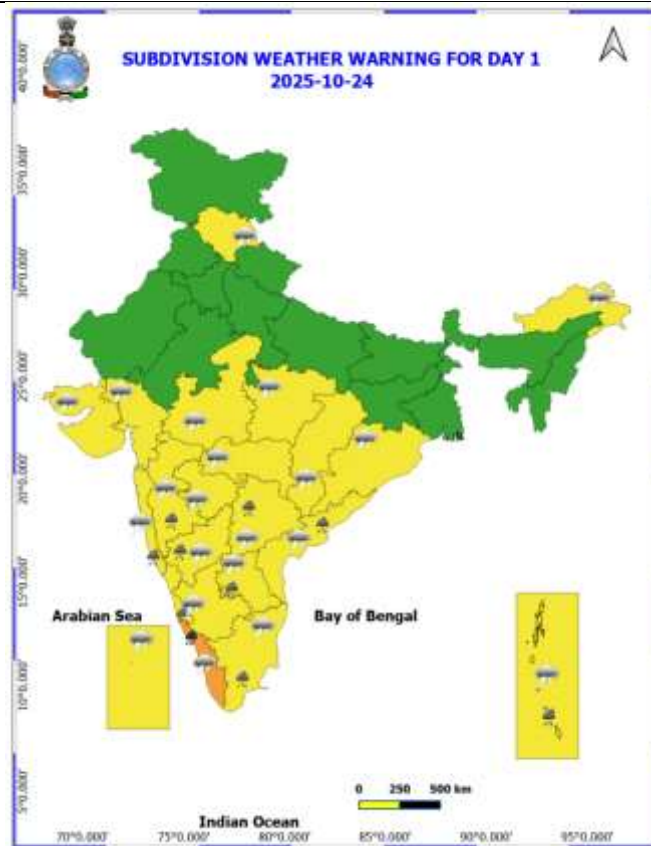
ANNEXURE I

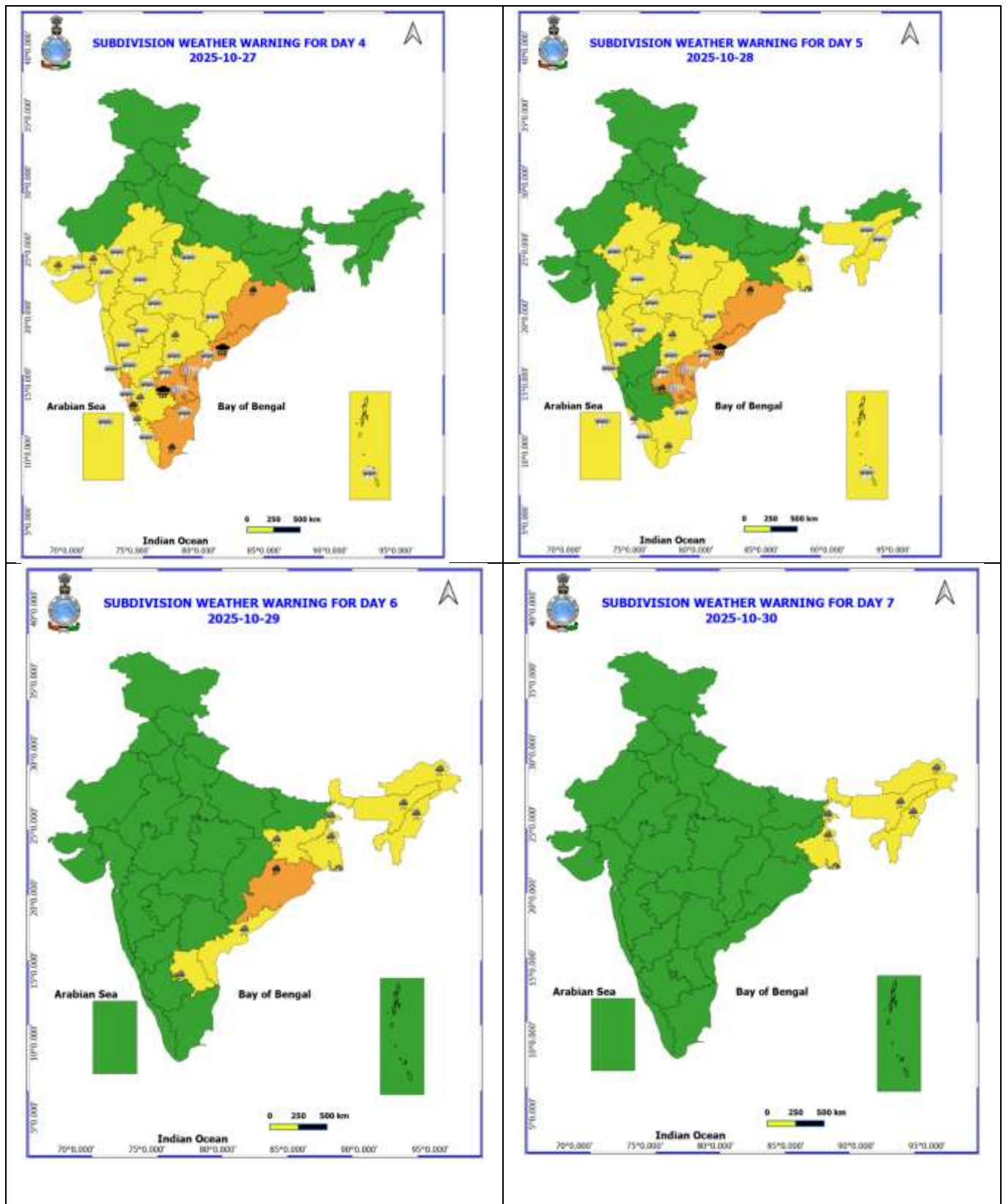
Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 24th October (≥ 7cm):

- ❖ **Coastal Andhra Pradesh & Yanam:** Kandukur (dist Spsr Nellore) 17, Narsapuram (dist West Godavari) 11, Amalapuram (dist B R Ambedkar Konaseema) 10, Tanuku (dist West Godavari) 9, Udayagiri (dist Spsr Nellore) 9, Vinjamur (dist Spsr Nellore) 8, Kavali (dist Spsr Nellore) 8, Kalingapatnam (dist Srikakulam) 8, Ongole (dist Prakasam) 8, Palakoderu (dist West Godavari) 7, Bheemavaram (dist West Godavari) 7;
- ❖ **Tamil Nadu:** Pallipattu (dist Tiruvallur) 15, Nalumukku (dist Tirunelveli) 12, Oothu (dist Tirunelveli) 11, Arakonam (dist Ranipet) 10, Balamore (dist Kanyakumari), Pechiparai AWS (dist Kanyakumari), Zone 14 Medavakkam (dist Chennai) 9 each, Kakkachi (dist Tirunelveli) 8, Thiruvalangadu (dist Tiruvallur), Chittar-I (dist Kanyakumari), Pechiparai (dist Kanyakumari), Perunchani Dam (dist Kanyakumari), Puthan Dam (dist Kanyakumari), Tiruttani (dist Tiruvallur) 7 each;
- ❖ **North Interior Karnataka:** Bagalkote_Badami_Khanapura S.K-14, Raichur_Maski_Maski1-11, Koppala_Kushtagi_Menedal-10, Belagavi_Ramadurga_Hosakeri-10, Belagavi_Saundatti_Markumbi-10, Belagavi_Ramadurga_Idagal-9, Belagavi_Saundatti_Inchal-9, Koppala_Karatagi_Karatagi1-8, Dharwad_Kalghatgi_Belawantara-8, Raichur_Sindhanur_Jawalgera-8, Belagavi_Ramadurga_Halagatti-8, Raichur_Maski_Maraladinni-7, Raichur_Sindhanur_Alabanur-7, Belagavi_Ramadurga_Turanur-7;
- ❖ **Rayalaseema:** Proddutur (dist Ysr District) 13, Raptadu (dist Anantapuramu) 9, Alur (dist Kurnool) 9, Atlur (dist Ysr District) 8, Porumamilla (dist Ysr District) 7, Tirupati Aero (dist Tirupati) 7, Penagaluru (dist Annamayya District) 7, Nagari (dist Chittoor) 7, Anantpur (dist Anantapuramu) 7, Sullurpeta (dist Tirupati) 7;
- ❖ **Kerala:** Ponmudi (dist Thiruvananthapuram) 9, Chavara (dist Kollam) 7, Konni (dist Pathanamthitta) 7, Paripalli (dist Kollam) 7, Thiruvananthapuram (dist Thiruvananthapuram) 7;
- ❖ **South Interior Karnataka:** Ballari_Siruguppa_Ravihal 8.

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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND RED COLOUR 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 Multi-Hazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 24th to 27th October 2025

Past Weather:

There has been fall in the minimum temperature up to 1°C and no large change in the maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 30 to 32°C and 16 to 17°C respectively. The minimum temperature was near normal and maximum temperature was near normal. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speeds up to 14 kmph prevailed during the past 24 hours. Mainly clear sky conditions associated with variable wind as gradually increase becoming up to 08 kmph from the west direction prevailed over the region in the forenoon today.

Significant Weather Features:

A fresh Western Disturbance likely to impact Western Himalayan Region and adjoining northern plains of India, during 27th October, 2025 to morning of 29th October 2025. Under its influence, possibility of one or two spells of very light rain/drizzle is likely over Delhi during evening of 27th October to morning of 28th October 2025.

Weather Forecast:

24.10.2025: Mainly clear sky. The maximum temperatures were in the range of 31 to 33°C. The maximum temperature will be near normal. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10 kmph during afternoon hours. The wind speed will decrease becoming upto 08 kmph from the northeast direction during the evening and night.

25.10.2025: Mainly clear sky with mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 30 to 32°C and 16 to 18°C respectively. The minimum temperature will be near normal and the maximum temperature will be near normal. The predominant surface wind will likely to be from the northwest direction with a wind speed of up to 10 kmph during morning hours. The wind speed will gradually increase becoming up to 12 kmph from the northeast direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northeast direction during the evening and night.

26.10.2025: Mainly clear sky becoming partly cloudy sky towards evening. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 30 to 32°C and 16 to 18°C respectively. The minimum temperature will be near normal 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 10 kmph during morning. The wind speed will increase becoming less than 12 kmph from the northeast direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the northeast direction during the evening and night.

27.10.2025: Generally cloudy sky. Possibility of one or two spells of very light rain/drizzle is likely over Delhi during evening/night. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 28 to 30°C and 18 to 20°C respectively. The minimum temperature will be above normal up to 1 – 3°C and the maximum temperature will be below normal up to 2 – 4°C. The predominant surface wind will likely to be from the southeast direction with a wind speed of up to 05 kmph during morning hours. The wind speed will increase becoming less than 10 kmph from the southeast direction in the afternoon. The wind speed will decrease becoming less than 08 kmph from the southeast direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Extremely heavy rainfall (≥21 cm)** at isolated places over Coastal Andhra Pradesh & Yanam on 27th & 28th and Rayalaseema on 27th October.
- ❖ **Very heavy rainfall (12-20 cm)** at isolated places over Kerala & Mahe on 24th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 26th-28th; Tamil Nadu & Coastal Karnataka on 27th; Odisha during 27th-29th 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 / Extremely Heavy Rainfall

- In **Andhra Pradesh**, harvest matured groundnut crop and matured cobs of maize only during fair weather / non-rainy period and store the produce in safe places. Make arrangements to drain out excess water from fields of rice, maize, pigeon pea, black gram, green gram, cotton, groundnut, turmeric, ginger, vegetables and plantations of banana, coconut and arecanut. Avoid sowing of *rabi* crops (*rabi* maize, Bengal gram etc.) until the soil moisture reaches at optimum level.
- In **Tamil Nadu**, harvest matured rice and groundnut crops only during fair weather and store the harvested produce of rice, groundnut and harvested banana bunches in safer places. Make arrangements to drain out excess water from fields of rice, sugarcane, cotton, black gram, maize and vegetables and plantations of coconut, banana and black pepper to avoid water stagnation. Avoid transplanting or direct sowing of rice and sowing of maize and cotton during heavy rainfall.
- In **Kerala**, keep the harvested produce of rice and vegetables in safer places. Drain out excess water from fields of rice, vegetables and plantations of banana, coconut, arecanut, cardamom and black pepper.
- In **Coastal Karnataka**, provide adequate drainage facilities in fields of rice and plantations of coconut, arecanut and black pepper. In **North Interior Karnataka**, shift the harvested produce of maize, groundnut and soybean to safer places. Drain out excess water from standing crop fields.
- In **Konkan**, keep the harvested produce of rice and finger millet in safer places. In **Madhya Maharashtra**, store the harvested produce of rice, soybean, maize, groundnut and pearl millet in safe places.
- In **Gujarat**, harvest the matured crops of rice, groundnut, soybean, black gram, green gram, sesame, maize, pearl millet and vegetables only during fair weather and store the produce in safe places.
- In **Andaman and Nicobar Islands**, store the harvested produce of rice at safe places to avoid degradation. Make arrangements for drainage of excess water from fields of rice, vegetables and plantation crops.

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

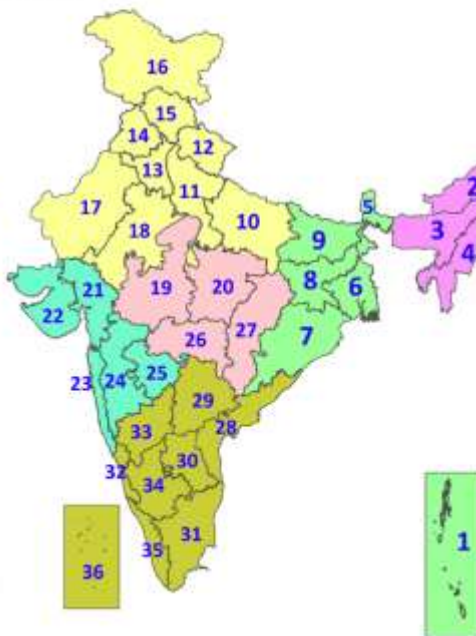
32. तटीय कर्नाटक

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)

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