



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



Press Release

Date: 23rd October, 2025

Time of Issue: 1400 hours IST

Subject: (i) Depression over Southeast Arabian Sea

(ii) Low pressure area over South Interior Karnataka & neighbourhood

(iii) Likely formation of a Low Pressure Area over southeast & adjoining eastcentral Bay of Bengal on 24th October

(iv) Isolated very heavy rainfall very likely over Kerala & Mahe and Coastal Karnataka on 23rd & 24th; South Interior Karnataka on 23rd; Coastal Andhra Pradesh & Yanam and Rayalaseema on 23rd and on 27th & 28th; and isolated heavy rainfall over Tamil Nadu and Konkan & Goa on 23rd & 24th October.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 23rd October, 2025:

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

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

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

- ❖ The **Depression** over southeast Arabian Sea moved slowly northeastwards with a speed of 5 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 23rd October 2025, over the same region, near latitude 9.8°N & longitude 67.8°E, about 560 km west-southwest of Aminidivi (Lakshadweep) and 910 km southwest of Panjim (Goa). It is likely to move nearly **north-northeastwards** across southeast Arabian Sea towards eastcentral Arabian Sea during next 24 hours.
- ❖ Yesterday's Well marked **Low Pressure area** over southwest Bay of Bengal off Tamil Nadu coast moved northwestwards and weakened into a low pressure area over north interior Tamil Nadu and adjoining south interior Karnataka at 0530 hrs IST of today, the 23rd October 2025. It lay over south interior Karnataka and neighbourhood at 0830 hrs IST of today. It is likely to continue to move west-northwestwards across south Karnataka and emerge over eastcentral & adjoining southeast Arabian Sea during next 24 hours.
- ❖ Yesterday's **upper air cyclonic circulation** over south Andaman Sea & neighbourhood lay over southeast Bay of Bengal adjoining South Andaman sea extending upto middle tropospheric levels. Under its influence, a low pressure area is likely to form over southeast & adjoining eastcentral Bay of Bengal on 24th October 2025. It is likely to move west-northwestwards and become more marked during subsequent 24 hours.
- ❖ 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 many/some places with isolated **heavy rainfall over** Tamil Nadu on 23rd & 24th and during 26th -28th; Lakshadweep on 23rd; Kerala & Mahe during 27th & 29th; North Interior Karnataka during 23rd -25th; Telangana during 23rd -25th and on 29th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 24th -26th and on 29th; South Interior Karnataka on 24th and Coastal Karnataka on 25th & 26th over with isolated **very heavy rainfall over South Interior Karnataka on 23rd ; Coastal Andhra Pradesh & Yanam and Rayalaseema on 23rd and on 27th & 28th ; Kerala & Mahe and Coastal Karnataka on 23rd & 24th Oct.**
- ❖ Thunderstorm with lightning likely over the region during next 5 days.

East & Central India:

- ❖ Light to moderate rain/thunderstorm at many places with isolated **very heavy rainfall** over Andaman & Nicobar Islands during 23rd -25th and with isolated **heavy rainfall** over Andaman & Nicobar Islands on 26th October.
- ❖ Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) likely over Andaman & Nicobar Islands and Odisha during next 5 days; and with lightning over East 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 and Madhya Maharashtra on 23rd & 24th; Gujarat Region and Saurashtra & Kutch on 25th & 26th October.
- ❖ Thunderstorm with lightning likely over Konkan & Goa, Marathawada and Madhya Maharashtra during next 5 days and over Gujarat Region during 25th & 26th and Saurashtra & Kutch during 24th -26th October.

North India:

- ❖ Fall in minimum temperature by about 2^oC over most part of Northwest India during next 2-3 days except East Uttar Pradesh where minimum temperature likely to fall by 3-5^oC during the same period.

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

Wind warning: Squally wind with speed reaching 45-55 gusting to 65 kmph prevailing around the system center and continue to prevail over Southeast and adjoining Eastcentral Arabian Sea till 25th 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, Kerala and adjoining South Tamil Nadu coasts till 25th October.

Sea condition: Sea Condition is likely to be rough to very rough over Southeast and adjoining Eastcentral Arabian Sea till 25th October. Sea Condition is likely to be rough over Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts till 25th October.

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 25th October.

Warning for Areas of Bay of Bengal and adjoining South 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 adjoining areas Andaman Sea & eastcentral Bay of Bengal till 24th October. It is likely to increase becoming squally wind speed reaching 40-50 kmph gusting to 60 kmph over central parts of Bay of Bengal on 25th & 26th October. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail along & off Tamil Nadu - Andhra Pradesh coasts during 25th & 26th 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 till 23rd October evening. Sea condition is likely to be rough over central parts of Bay of Bengal on 25th & 26th October. Sea condition is likely to be moderate to rough over along & off Tamil Nadu - Andhra Pradesh coasts during 25th & 26th October.

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

ii. Weather conditions and forecast over Delhi/NCR during 23rd to 26th 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 23rd October (≥ 7 cm):

Kerala & Mahe: Quilandi (dist Kozhikode) 14; Irinjalakuda (dist Thrissur) 9; Thritla (dist Palakkad), Angadipuram (dist Malappuram), Vellanikkara (dist Thrissur), Ernakulam South (dist Ernakulam) 7 Each;

Tamil Nadu, Puducherry & Karaikal: Arakonam (dist Ranipet) 13; Harur (dist Dharmapuri) 11; Namakkal (dist Namakkal), Mohanur (dist Namakkal), Worth Estate Cher (dist Nilgiris) 9 Each; Tiruttani (dist Tiruvallur), Glenmorgan (dist Nilgiris), Vellakoil (dist Tiruppur), Rscl-3 Avalurpettai (dist Villupuram) 8 Each; Naduvattam (dist Nilgiris), Mettur (dist Salem), Thiruvalangadu (dist Tiruvallur), Thuvakudi Imti (dist Trichy), Dscl Thiyagadurgam (dist Kallakurichi), Rscl-2 Soorapattu (dist Villupuram), Rscl-2 Kedar (dist Villupuram), Oothu (dist Tirunelveli), Ranipet AWS (dist Ranipet) 7 Each;

South Interior Karnataka: Kottigehara (dist Chikkamagaluru) 12; Kushalnagar (dist Kodagu), Somwarpet (dist Kodagu) 9 Each; Harangi (dist Kodagu) 8; Konanur (dist Hassan), Kadur (dist Chikkamagaluru), N R Pura (dist Chikkamagaluru), Koppa (dist Chikkamagaluru) 7 Each;

Coastal Karnataka: Dharmasthala (dist Dakshina Kannada) 12; Mudubidre (dist Dakshina Kannada) 7;

Andaman & Nicobar Islands: Hut Bay (dist South Andaman) 12; IAF Carnicobar (dist Nicobar) 7;

Coastal Andhra Pradesh & Yanam: Yanam (dist Yanam) 10; Masulipatnam Cdr (dist Krishna), Seetharamapuram (dist Spsr Nellore) 9 Each; Racherla (dist Prakasam), Podili (dist Prakasam) 8 Each; Rapur (dist Spsr Nellore) 7;

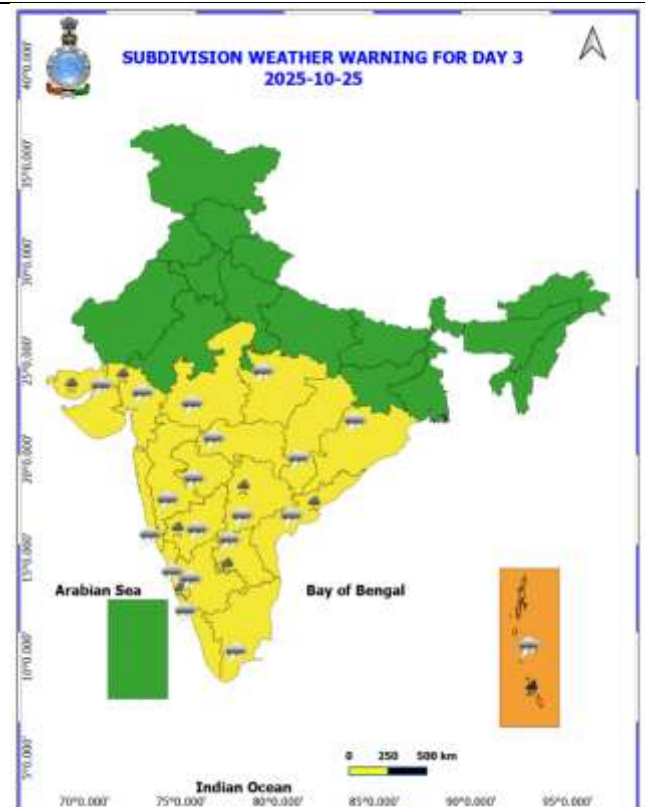
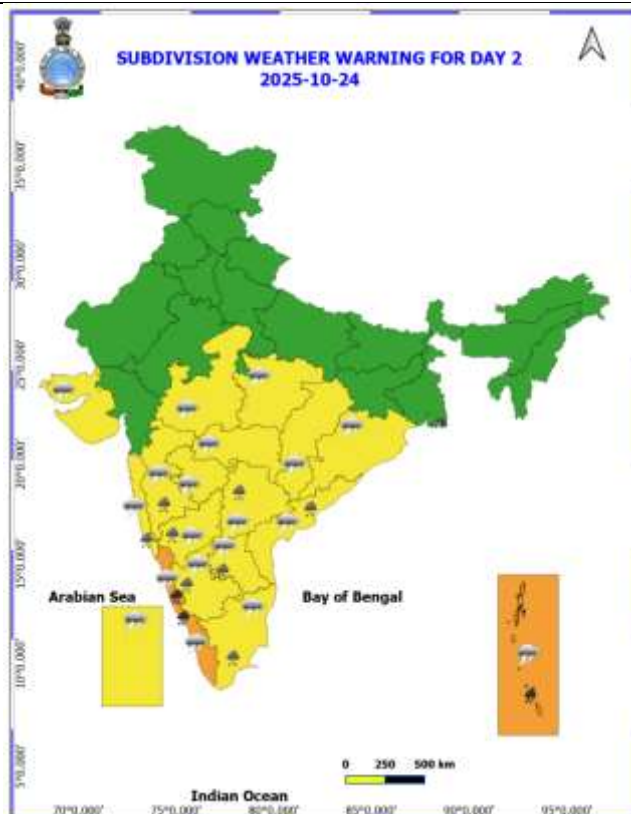
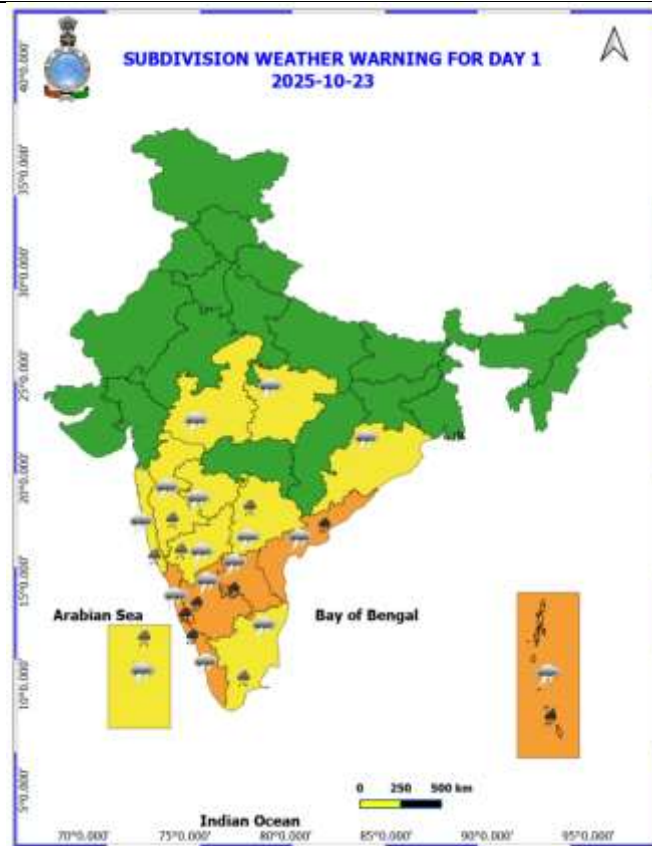
Royalaseema: Penagaluru (dist Annamayya District) 7.

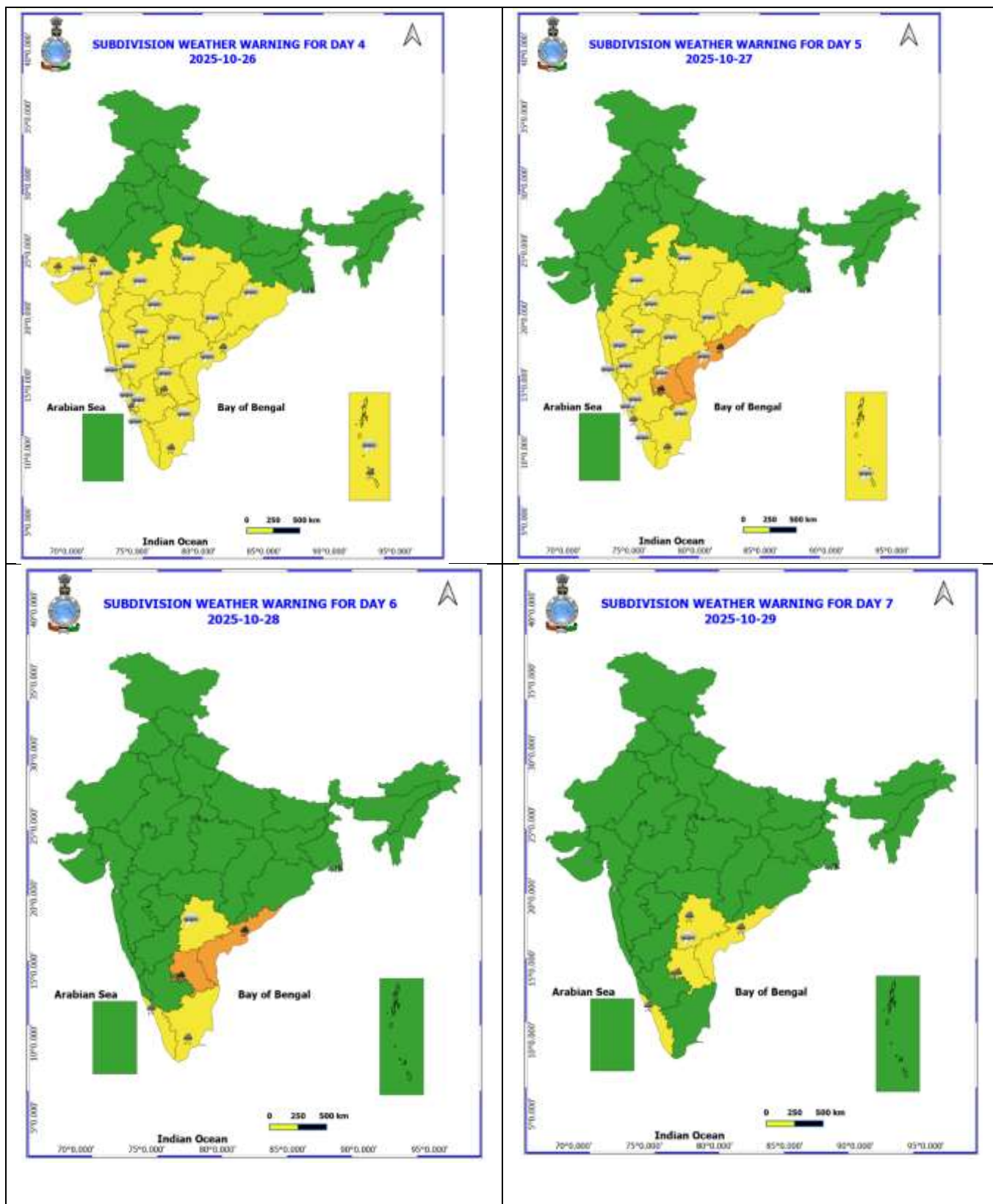
ANNEXURE II

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

- As the lead period increases forecast accuracy decrease.

ANNEXURE III





- 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 23rd to 26th October 2025**Past Weather:**

There has been fall in the minimum temperature up to 1- 3°C and no large change in maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 30 to 32°C and 17 to 18°C respectively. The minimum temperature was near normal and maximum temperature was below normal up to 1 – 3°C. Mainly clear sky conditions with predominant surface wind from the northwest direction with wind speeds up to 12 kmph prevailed during the past 24 hours. Mainly clear sky conditions associated with variable wind as gradually increase becoming up to 06 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

23.10.2025: Mainly clear sky with mist/haze forenoon onwards. 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 -15 kmph during afternoon hours. The wind speed will decrease becoming upto 08 kmph from the northeast direction during the evening and night.

24.10.2025: Mainly clear sky. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 17 to 19°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 northwest direction with a wind speed of up to 05 kmph during morning hours. The wind speed will gradually increase becoming up to 10 kmph from the north direction in the afternoon. The wind speed will decrease becoming less than 08 kmph from the northeast direction during the evening and night.

25.10.2025: Mainly clear sky. Mist/haze during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 17 to 19°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 northwest direction with a wind speed of up to 10 kmph during morning. The wind speed will increase becoming less than 12 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 08 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 31 to 33°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 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 increase becoming less than 12 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 08 kmph from the northeast direction during the evening and night.

Impact & Action Suggested due to Isolated very heavy rainfall over Kerala & Mahe and Coastal Karnataka on 23rd & 24th; South Interior Karnataka on 23rd; Coastal Andhra Pradesh & Yanam and Rayalaseema on 23rd and on 27th & 28th; and isolated heavy rainfall over Tamil Nadu and Konkan & Goa on 23rd & 24th 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 kutcha 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 **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**, store the harvested produce of rice and groundnut in safer places. 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**, postpone harvesting of rice till cessation of heavy rains and shift the already harvested produce to safer places. Drain out excess water from fields of rice and plantations of coconut, arecanut and black pepper. In **South Interior Karnataka**, postpone harvesting of *kharif* pulses and maize till cessation of heavy rains and store the already harvested produce of pulses, maize, groundnut, cardamom, coffee etc. in dry, covered and ventilated areas or cover with tarpaulins in the fields. 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. Avoid sowing of *rabi* crops till the soil moisture reaches at optimum level. In **North Interior Karnataka**, shift the harvested produce of maize, groundnut and soybean to safer 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.
- In **Konkan** and **Madhya Maharashtra**, keep the harvested produce of *kharif* crops in safer places.

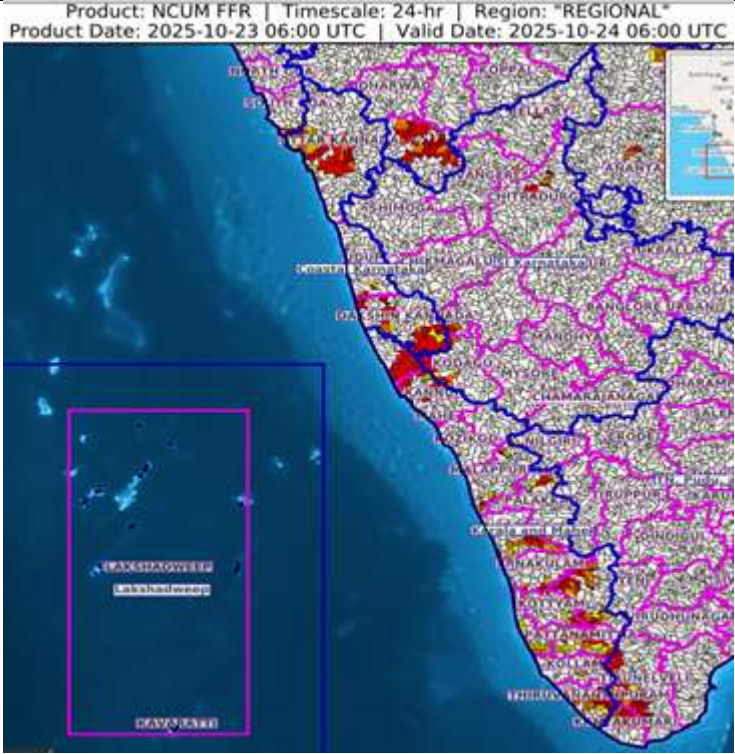
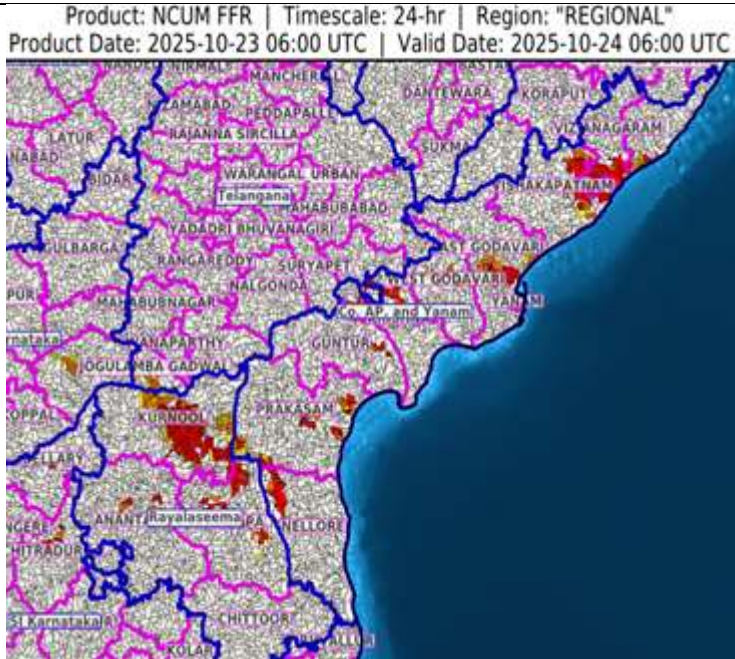
Livestock / Fishery

- 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.

Flash flood guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 24-10-2025: Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Coastal Karnataka - Dakshin Kannada, Udupi and Uttar Kannada districts. Kerala & Mahe - Alappuzha, Ernakulam, Idukki, Kannur, Kasargod, Kollam, Kottayam, Mahe, Malappuram, Palakkad, Pattanamittia, Thiruvananthpuram and Trishur districts. North Interior Karnataka - Haveri district. South Interior Karnataka - Chitradurga, Hassan and Kodagu 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.	Product: NCUM FFR Timescale: 24-hr Region: "REGIONAL" Product Date: 2025-10-23 06:00 UTC Valid Date: 2025-10-24 06:00 UTC 
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 24-10-2025 : Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Coastal Andhra Pradesh & Yanam - East Godavari, Guntur, Krishna, Prakasam, Nellore, Srikakulam, Vishakhapatnam, Vizianagaram and West Godavari districts. Rayalaseema - Anantapuramu, Kurnool and Kadapa 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.	Product: NCUM FFR Timescale: 24-hr Region: "REGIONAL" Product Date: 2025-10-23 06:00 UTC Valid Date: 2025-10-24 06:00 UTC 

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

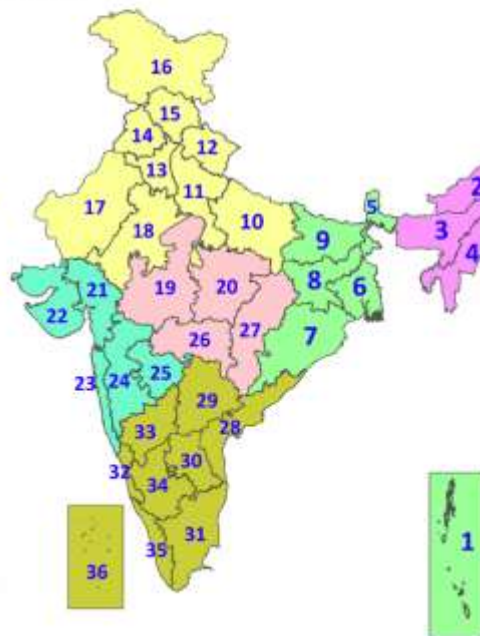
32. तटीय कर्नाटक

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

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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 $\geq 40^{\circ}\text{C}$ 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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