



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 22nd October, 2025

Time of Issue: 1330 hours IST

Subject: (i) Well Marked low pressure area lay over Southwest Bay of Bengal off Tamil Nadu coast.

(ii) Depression over Southeast Arabian Sea.

(iii) Heavy to very heavy rainfall (7-20cm) over south peninsular India during 22nd-24th with extremely heavy falls (≥ 21 cm) over North Tamil Nadu, Puducherry & Karaikal, Rayalaseema & Coastal Andhra Pradesh & Yanam on 22nd October, 2025.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 22nd October, 2025:

- ❖ **Extremely heavy rainfall (≥ 21 cm) at isolated places over** Tamil Nadu, Puducherry & Karaikal.
- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema.

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 southwest Bay of Bengal off Tamil Nadu coast moved nearly northwestwards and lay over the same region at 1130 hrs IST of today, the 22nd October 2025. It is likely to move northwestwards across north Tamil Nadu, Puducherry & south Andhra Pradesh coasts during next 24 hours.
- ❖ Yesterday's Well marked Low Pressure area over southeast Arabian Sea concentrated into a Depression and lay centered at 0830 hrs IST of today, 22nd October 2025, over the same region near latitude 8.9°N, 67.4°E, about 630 km west-southwest of Aminidivi (Lakshadweep) and 1010 km southwest of Panjim (Goa). It remained practically stationary during past 3 hours and lay centered at 1130 hrs IST of today, 22nd October 2025, over the same region, near latitude 8.9°N & longitude 67.4°E, about 630 km west-southwest of Aminidivi (Lakshadweep) and 1010 km southwest of Panjim (Goa). It is likely to move slowly nearly north-northwestwards during next 24 hours.
- ❖ An **upper air cyclonic circulation lay** over south Andaman Sea & neighbourhood in middle tropospheric level.
- ❖ A **Western Disturbance** as a trough in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 72°E to the north of Lat. 28°N.
- ❖ A fresh and feeble **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 22nd to 24th and during 26th to 28th; South Interior Karnataka and Kerala & Mahe on 22nd to 24th; Coastal Karnataka and Telangana on 22nd to 25th; North interior Karnataka on 24th; Coastal Andhra Pradesh & Yanam and Rayalaseema during 22nd to 28th Oct with **very heavy rainfall over Kerala & Mahe and South Interior Karnataka on 22nd; Coastal Karnataka on 22nd and 23rd, Coastal Andhra Pradesh & Yanam, Rayalaseema on 23rd Oct.**
- ❖ **Extremely heavy rainfall (≥ 21 cm) very likely over North Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd October.**
- ❖ Thunderstorm with lightning likely over the region during next 5 days.

East & Central India:

- ❖ Light to moderate rain/thunderstorm at many places with isolated **heavy rainfall** over Andaman & Nicobar Islands during 23rd -27th October.
- ❖ Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) likely over Andaman & Nicobar Islands during next 7 days; Odisha during 22nd-26th and with lightning over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days.
- ❖ Dense fog conditions likely over Odisha for 22nd & 23rd October.

West India:

- ❖ Light to moderate rain/thunderstorm at many places with isolated **heavy rainfall** over Konkan & Goa and Madhya Maharashtra on 23rd October.
- ❖ Thunderstorm with lightning likely over Konkan & Goa, Marathawada and Madhya Maharashtra during next 5 days.

North India:

- ❖ Fall in minimum temperature by 2-4 °C over most part of Northwest India during next 2-3 days.

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 is likely to prevail over Southeast and adjoining Eastcentral Arabian Sea till 24th October.

Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail over Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts till 24th October.

Sea condition:

Sea Condition is likely to be rough to very rough over Southeast and adjoining Eastcentral Arabian Sea till 24th October.

Sea Condition is likely to be rough over Lakshadweep & Comorin Area and along & off Karnataka, Kerala and adjoining South Tamil Nadu coasts till 24th 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 24th October.

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

(ii) Wind warning:

Squally wind with speed reaching 40-50 kmph gusting to 60 kmph likely is prevailing over southwest Bay of Bengal and adjoining areas central Bay of Bengal. It is likely to increase becoming 45-55 kmph gusting to 65 kmph till 23rd October.

Squally wind with speed reaching 40-50 kmph gusting to 60 kmph is prevailing along & off Tamil Nadu & south Andhra Pradesh coasts. It is likely to increase becoming 45-55 kmph gusting to 65 kmph from evening of today, the 22nd October till 23rd October.

(iii) Sea conditions:

Sea condition is rough over southwest Bay of Bengal and adjoining areas of central Bay of Bengal and likely to become rough to very rough thereafter till 23rd October.

Sea condition is rough along & off Tamil Nadu & south Andhra Pradesh coasts and thereafter likely to become rough to very rough from evening of today, the 22nd October till 23rd October.

(iv) Fishermen Warning:

Fishermen are advised not to venture into Southwest and adjoining central Bay of Bengal till 23rd October. Those fishermen out at sea should return to coast.

ii. Weather conditions and forecast over Delhi/NCR during 22nd to 25th 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

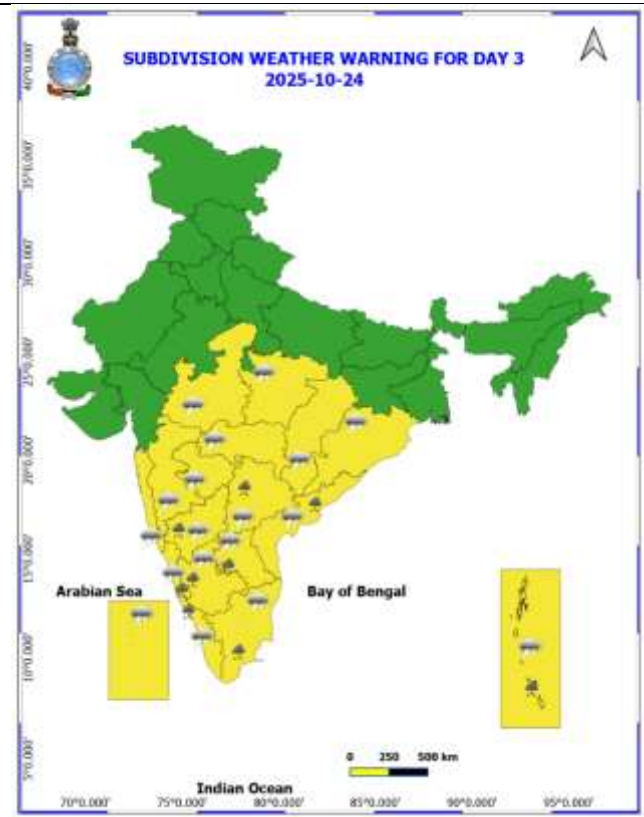
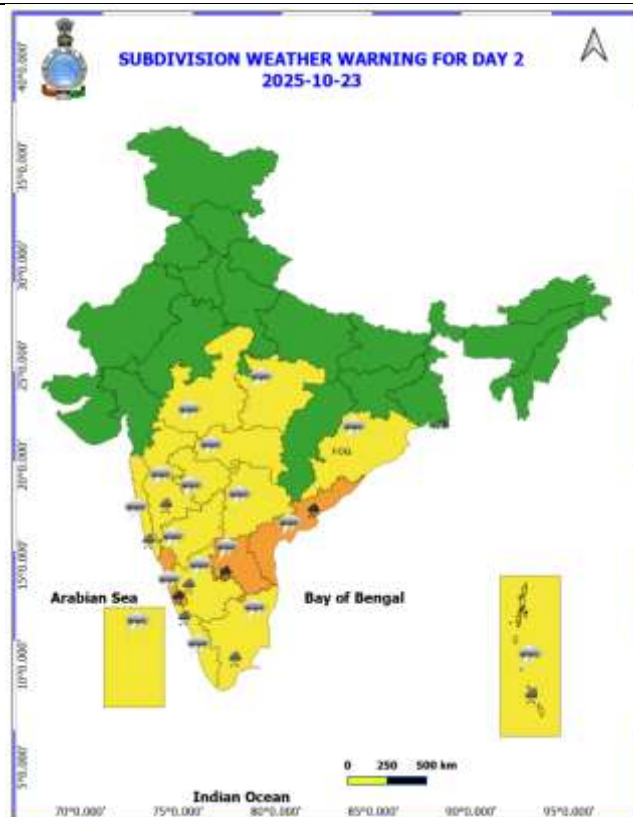
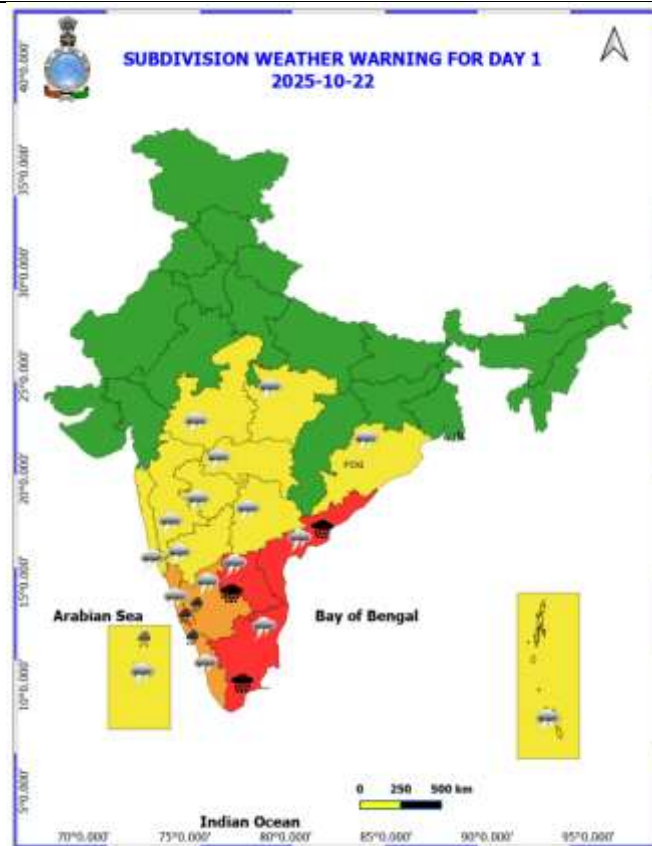
Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 22nd October (≥ 7cm):

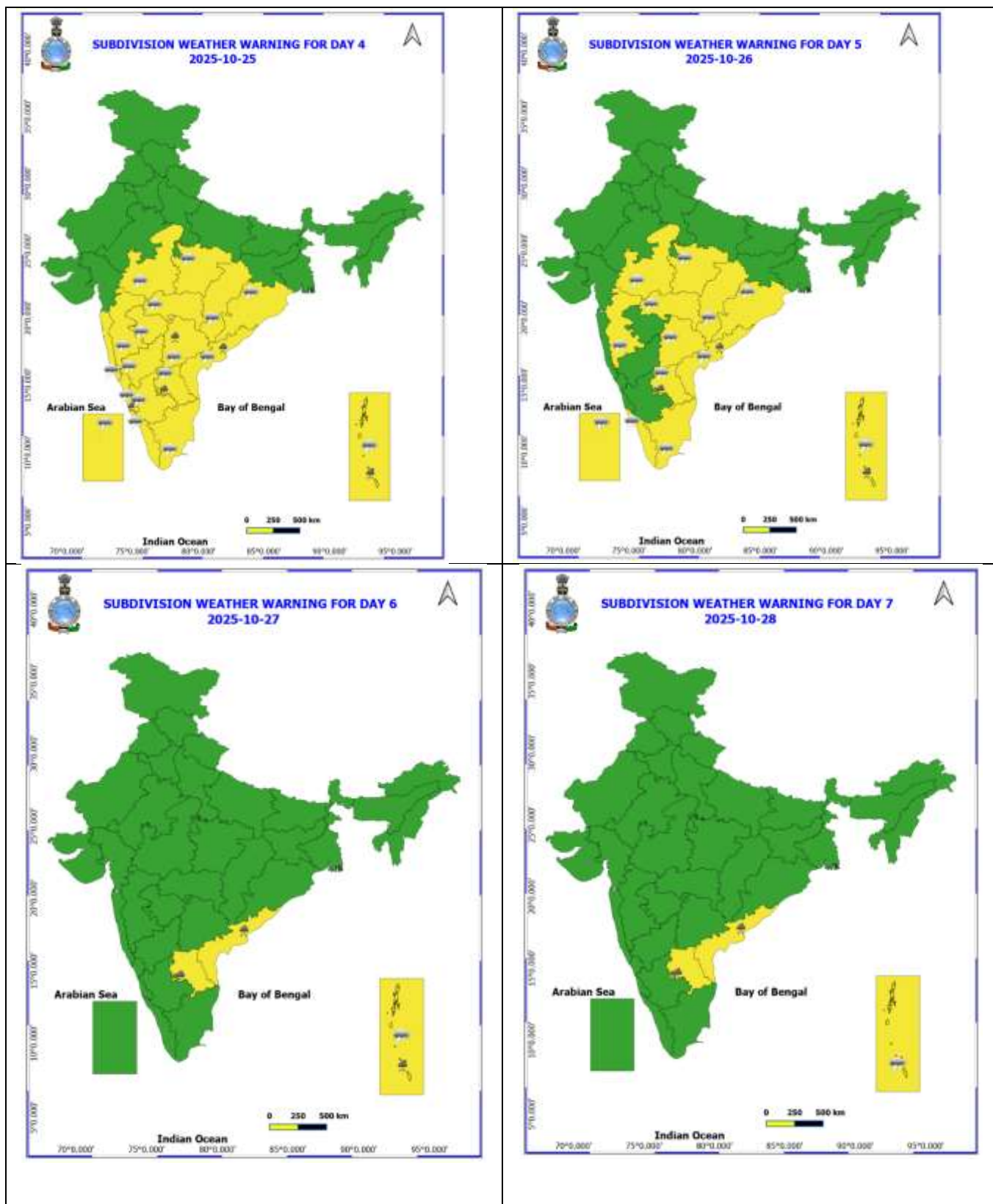
Tamil Nadu, Puducherry & Karaikal: Periya Kalapet ARG (dist Puducherry) 25; Cuddalore (dist Cuddalore), Vanur (dist Villupuram), Collectorate (dist Cuddalore) 18 Each; Vilupuram (dist Villupuram), Uthukottai (dist Tiruvallur), Kothavacherry (dist Cuddalore), Rscl Vallam (dist Villupuram) 17 Each; Vanamadevi (dist Cuddalore) 16; Puducherry (dist Puducherry), Src Kudithangi (dist Cuddalore) 15 Each; Sethiathope (dist Cuddalore), Ponnaniyar Dam (dist Trichy) 13 Each; Parangipettai (dist Cuddalore), Gingee (dist Villupuram), Bhuvanagiri (dist Cuddalore), Walajabad (dist Kancheepuram), Vadakuthu (dist Cuddalore), Dscl Thiyaadurgam (dist Kallakurichi), Avadi (dist Tiruvallur) 12 Each; Thiruvalangadu (dist Tiruvallur), Kurinjipadi (dist Cuddalore), Kovilpatty (dist Trichy), Rscl-2 Kedar (dist Villupuram), Rscl-2 Valavanur (dist Villupuram) 11 Each; Chennai(n) (dist Chennai), Maduranthagam (dist Chengalpattu), Aravakurichi (dist Karur), Tindivanam (dist Villupuram), Kalavai AWS (dist Ranipet), Mandapam (dist Ramanathapuram), Kcs Mill-1 Kadavanur (dist Kallakurichi), Dscl Kalayanallur (dist Kallakurichi), Kalavai PWD (dist Ranipet), Rscl-2 Nemoor (dist Villupuram), Rscl-2 Soorapattu (dist Villupuram), Rscl-2 Koliyanur (dist Villupuram) 10 Each; Sriperumbudur (dist Kancheepuram), Karaikudi (dist Sivaganga), Tirupathur (dist Sivaganga), Tirupuvanam (dist Sivaganga), Needamangalam (dist Tiruvarur), Marakkanam (dist Villupuram), Neyveli AWS (dist Cuddalore), Panruti (dist Cuddalore), Gummidipoondi (dist Tiruvallur), Vembakkam (dist Tiruvannamalai), Arcot (dist Ranipet), Dscl Sulangurichi (dist Kallakurichi), Basl Mugaiyur (dist Villupuram), Rscl-3 Valathy (dist Villupuram), Rscl-2 Kanjanur (dist Villupuram), Rscl-2 Mundiampakkam (dist Villupuram) 9 Each; Udumalpet (dist Tiruppur), Mahabalipuram (dist Chengalpattu), Uthiramerur (dist Kancheepuram), Ramanathapuram (dist Ramanathapuram), Rameswaram (dist Ramanathapuram), Devakottai (dist Sivaganga), Ponneri (dist Tiruvallur), Arakonam (dist Ranipet), Sankarapuram (dist Kallakurichi), Ulundurpet (dist Kallakurichi), Poonamalle ARG (dist Tiruvallur), Jaya Engg College AWS (dist Tiruvallur), Thirukalukundram (dist Chengalpattu), Mimisal (dist Pudukkottai), Ambathur (dist Chennai), Annamalai Nagar (dist Cuddalore), Lalpet (dist Cuddalore), Kcs Mill Ariyalur (dist Kallakurichi), Kcs Mill Moorarpalayam (dist Kallakurichi), Basl Manalurpet (dist Kallakurichi), Kallandri (dist Madurai), Thangachimadam (dist Ramanathapuram), Ariyalur Camp Area (dist Kallakurichi) 8 Each; K.m.koil (dist Cuddalore), Srimushnam (dist Cuddalore), Virudachalam (dist Cuddalore), Tambaram (dist Chengalpattu), Tirumayam (dist Pudukkottai), R.s.mangalam (dist Ramanathapuram), Poondi (dist Tiruvallur), Cheyyar (dist Tiruvannamalai), Kodavasal (dist Tiruvarur), Kallakurichi (dist Kallakurichi), Tirukoilur (dist Kallakurichi), Aduthurai AWS (dist Thanjavur), Mylam AWS (dist Villupuram), Manamelkudi (dist Pudukkottai), Chembarabakkam (dist Tiruvallur), Chembarabakkam ARG (dist Kancheepuram), Mgr Nagar (dist Chennai), Dscl Virugavoor (dist Kallakurichi), Dscl Keelpadi (dist Kallakurichi), Kcs Mill-1 Moongilthura (dist Kallakurichi), Dscl Rishivandhiyam (dist Kallakurichi), Dscl Madampoondi (dist Kallakurichi), Basl Vengur (dist Kallakurichi), Dscl Eraiyur (dist Kallakurichi), Anaippalayam (dist Karur), Manimutharu Dam PWD (dist Kallakurichi), Ranipet (dist Ranipet), Thalaivasal (dist Salem), Pwd Travellers Bungalow (dist Sivaganga) 7 Each;

Rayalaseema: Srikalahasti (dist Tirupati), Thottambedu (dist Tirupati), Kodur (dist Ysr District) 18 Each; Venkatagiri (dist Tirupati), Sullurpeta (dist Tirupati) 13 Each; Tirupati AP (dist Tirupati), Gudur (dist Tirupati) 11 Each; Tada (dist Tirupati) 10; Pakala (dist Tirupati), Satyavedu (dist Tirupati) 8 Each; **Coastal Andhra Pradesh & Yanam:** Atmakur (dist Spsr Nellore) 14; Kandukur (dist Spsr Nellore) 11; Rapur (dist Spsr Nellore), Nellore (dist Spsr Nellore) 9 Each; Vinjamur (dist Spsr Nellore) 8.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	22- Oct	23- Oct	24- Oct	25- Oct	26- Oct	27- Oct	28- 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	ISOL	ISOL	ISOL	ISOL	DRY
3	ASSAM & MEHGHALAYA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
8	JHARKHAND	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
9	BIHAR	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	ISOL	DRY	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
21	GUJRAT REGION	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	SCT	FWS	FWS	SCT	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	SCT	SCT	FWS	SCT	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
29	TELANGANA	SCT	ISOL	FWS	FWS	SCT	SCT	SCT
30	RAYALASEEMA	W3	W3	FWS	FWS	SCT	FWS	FWS
31	TAMILNADU & PUDUCHERRY	FWS	SCT	SCT	SCT	SCT	SCT	SCT
32	COSTAL KARNATAKA	W3	W3	W3	W3	W3	W3	FWS
33	NORTH INTERIOR KARNATAKA	FWS	FWS	FWS	FWS	FWS	FWS	SCT
34	SOUTH INTERIOR KARNATAKA	W3	W3	W3	FWS	FWS	FWS	SCT
35	KERALA AND MAHE	W3	W3	W3	FWS	FWS	FWS	FWS
36	LAKSHADWEEP	W3	W3	FWS	FWS	FWS	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 districtwise MultiHazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 22nd to 25th October 2025**Past Weather:**

There has been fall in the minimum temperature up to 1°C and fall in maximum temperature up to 1°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 31 to 33°C and 19 to 21°C respectively. The minimum temperature was above normal up to 1 – 3°C and maximum temperature was below normal up to 1 – 3°C. Shallow fog was reported at Palam airport. Palam airport recorded the lowest visibility 800 m at 0800 hours on 22.10.2025 which thereafter improved becoming 1000 m at 0830 hours IST. Partly cloudy sky conditions with predominant surface wind from the southeast direction with wind speeds up to 08 kmph prevailed during the past 24 hours. Mainly clear sky conditions with haze/mist associated with calm wind as gradually increase becoming up to 10 kmph from the northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

22.10.2025: Mainly clear sky with mist/haze. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°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 -12 kmph during afternoon hours. The wind speed will decrease becoming less than 08 kmph from the northwest direction during the evening and night.

23.10.2025: Smog/shallow fog is likely at few places during morning hours becoming mainly clear sky with mist/haze from forenoon onwards. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 19 to 21°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 05 - 10 kmph during morning hours. The wind speed will gradually increase becoming less than 12 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.

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 32 to 34°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 northwest direction with a wind speed of up to 05 - 10 kmph 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 10 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 32 to 34°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 northwest direction with a wind speed of up to 05 – 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 gradually decrease becoming less than 08 kmph from the northeast direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Extremely heavy rainfall ($\geq 21\text{cm}$) very likely over** north Tamil Nadu, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd October.
- ❖ **Very heavy rainfall over** Kerala & Mahe and South Interior Karnataka on 22nd; Coastal Andhra Pradesh & Yanam, Rayalaseema on 23rd and Coastal Karnataka on 22nd & 23rd 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 **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.
- In **Andaman and Nicobar Islands**, store the harvested paddy at safe places to avoid their degradation. Make proper arrangements for drainage of excess water from the fields of paddy, vegetable and plantation crops.

Livestock / Fishery

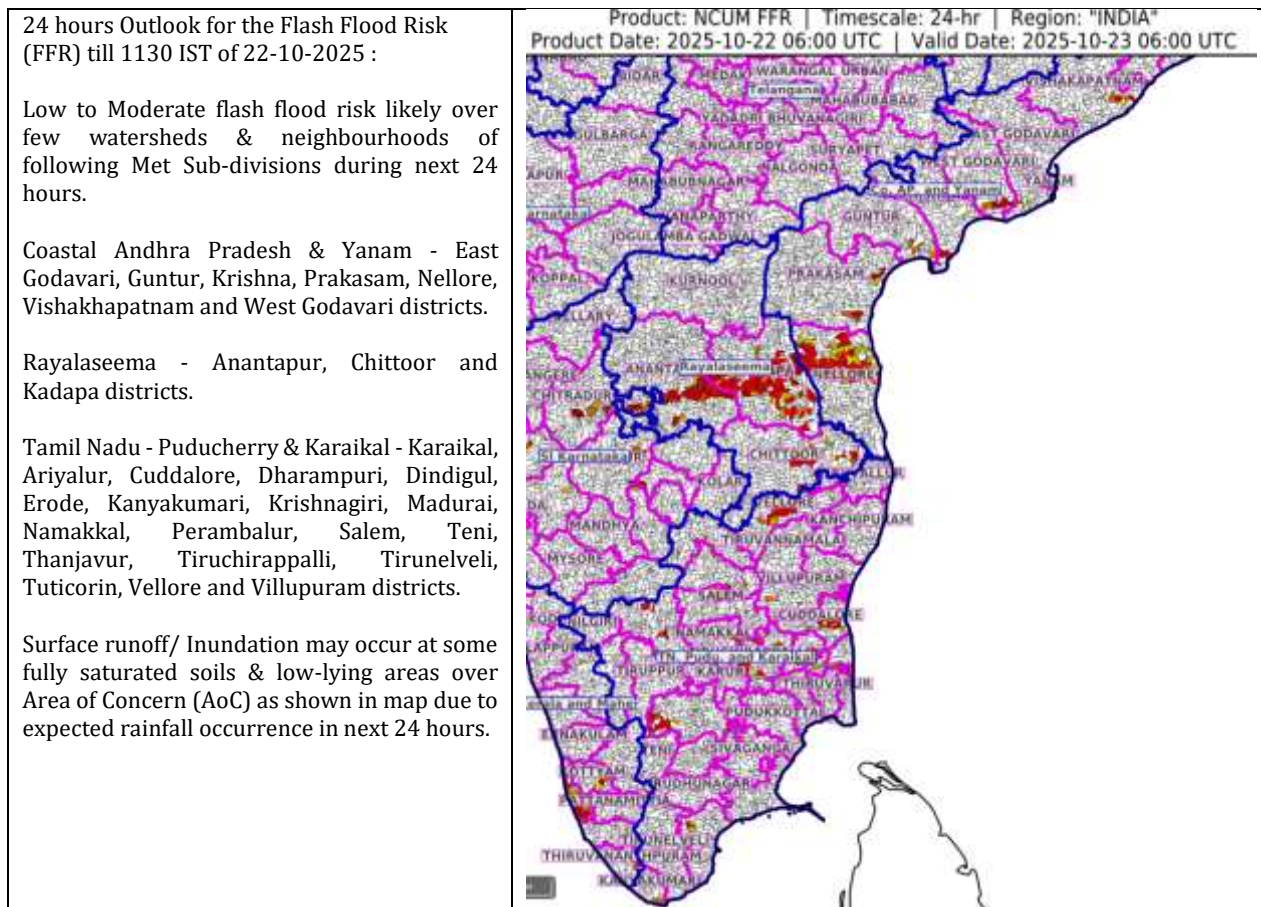
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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.

Flash flood guidance:



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

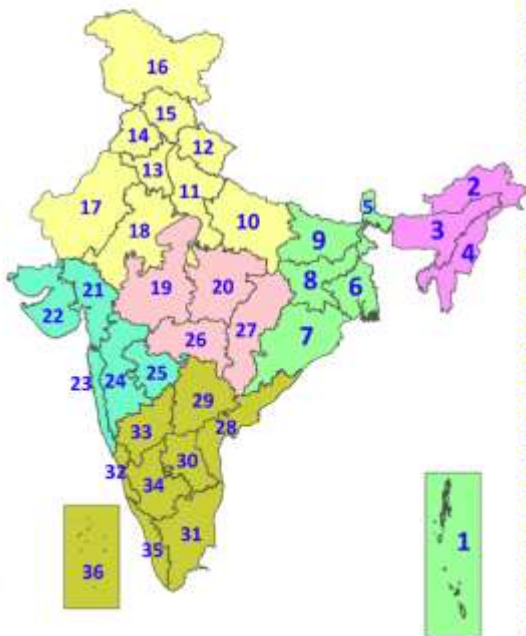
32. तटीय कर्नाटक

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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