



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 30th October, 2025

Time of Issue: 1315 hours IST

Subject: (i) Depression lay over eastcentral Arabian Sea and a well marked low pressure area lay over East Vidarbha & adjoining south Chhattisgarh.
(ii) Under the influences of above systems, heavy to very heavy rainfall likely over Bihar on 31st October with isolated extremely heavy rainfall over Sub-Himalayan West Bengal & Sikkim on 31st October.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 30th October, 2025:

- ❖ **Heavy to very heavy rainfall at many places with exceptionally heavy falls (≥ 30 cm)** at isolated places has been recorded over Telangana.
- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Konkan & Goa.
- ❖ **Heavy rainfall (7- 11 cm)** has been recorded at isolated places over Odisha, Jharkhand, Bihar, Vidarbha, Marathawada, Coastal Andhra Pradesh and Coastal Karnataka.

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

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

- ❖ Yesterday's Deep Depression [Remnant of Severe Cyclonic Storm "Montha"] over Coastal Andhra Pradesh & adjoining Telangana moved north-northwestwards and weakened in to a Depression at 1730 hrs IST of yesterday, the 29th October 2025 over south Chhattisgarh & neighbourhood. It moved north-northwestwards and weakened into a Well Marked Low Pressure Area over east Vidarbha & adjoining south Chhattisgarh at 0530 hrs IST of today and lay over the same region at 0830 hrs IST of today, the 30th October 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level. It is likely to move nearly northwards towards East Madhya Pradesh & adjoining north Chhattisgarh and weaken into a low pressure area during next 24 hours.
- ❖ Yesterday's Depression over eastcentral Arabian Sea remained practically stationary over the same region at 0830 IST of today, the 30th October 2025, near latitude 17.9°N & longitude 68.2°E, about 400 km southwest of Veraval (Gujarat), 510 km west-southwest of Mumbai (Maharashtra) and 660 km west-northwest of Panjim (Goa). It is likely to move nearly north-northwestwards across Eastcentral Arabian Sea during next 36 hours.
- ❖ An **upper air cyclonic circulation** lies over south Haryana & adjoining Rajasthan in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over southeast Assam & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Gulf of Thailand upto middle tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to influence Western Himalayan region from 03rd November 2025.

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

South Peninsular India:

- ❖ Light to moderate rainfall at a few places accompanied with isolated thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely over Telangana on 30th; with lightning over Coastal Andhra Pradesh & Yanam on 30th October, 02nd & 03rd November and Rayalaseema on 02nd & 03rd November.
- ❖ Strong surface winds (speed reaching 30-40 kmph) likely over Coastal Andhra Pradesh & Yanam on 30th October.

East & Central India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over East Madhya Pradesh, Vidarbha & Chhattisgarh on 30th October; Andaman & Nicobar Islands on 31st October & 01st November; Sub-Himalayan West Bengal & Sikkim during 30th October-01st November; Gangetic West Bengal, Bihar, Jharkhand on 30th & 31st October with isolated **very heavy rainfall** over Bihar on 31st October.
- ❖ **Extremely heavy rainfall (≥ 21 cm)** likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 31st October.
- ❖ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) over East Madhya Pradesh on 30th October; East India during next 2-3 days; with thunderstorm and lightning over Vidarbha & Chhattisgarh on 30th & 31st October; Madhya Pradesh during next 5 days.

West India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Konkan & Goa on 30th & 31st; Madhya Maharashtra & Marathwada on 30th October and Gujarat State during 30th October-01st November.
- ❖ Thunderstorm with lightning likely over Gujarat State during next 4 days; over Maharashtra during next 2 days.

Northeast India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** over Arunachal Pradesh and Assam & Meghalaya on 31st October & 01st November and Nagaland on 31st October.
- ❖ Thunderstorm with lightning likely over the region during next 3 days.

Northwest India:

- ❖ Light to moderate rain/thunderstorm at isolated places with isolated **heavy rainfall** likely over East Uttar Pradesh on 30th & 31st October.
- ❖ Under the influence of Western disturbance, Light to moderate rainfall/snowfall likely over Northwest India during 03rd-05th November.
- ❖ Thunderstorm with lightning and gusty winds (speed reaching 30-40 kmph) likely over East Uttar Pradesh on 30th October; with thunderstorm & lightning over West Uttar Pradesh and East Rajasthan on 30th and East Uttar Pradesh on 31st October.

Warning for Bay of Bengal, Andaman coast, Chhattisgarh, East Madhya Pradesh, East Vidarbha, Telangana and Odisha

Wind Warning:

Strong and squally wind with speed reaching 25-25 kmph gusting to 45 kmph is likely to prevail over Chhattisgarh, East Madhya Pradesh, East Vidarbha, northern parts of Telangana and adjoining western Odisha during next 24 hours.

Fishermen warnings: Fishermen are advised not to venture into the following areas during 01st-04th November: **Bay of Bengal:** North Andaman Sea on 02nd November; north Andaman Sea, eastern parts of eastcentral Bay of Bengal and adjoining northeast Bay of Bengal on 03rd November.

Impact Expected and Action Suggested due to heavy rain (East Madhya Pradesh, Vidarbha, south Chhattisgarh & adjoining areas of south Odisha)

- ❖ Damage to paddy crops, horticultural and standing crops and orchards due to inundation & winds.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic due to water logging.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly. Do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.

Warning for Areas of Arabian Sea, along & off Maharashtra and Gujarat coasts

Wind warning:

Squally wind with speed reaching 45-55 gusting to 65 kmph is likely to prevail around the system center over Eastcentral Arabian Sea till 31st October.

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts till 31st October.

Sea condition:

Sea Condition is likely to be rough to very rough over Eastcentral and northeast Arabian Sea & along & off Maharashtra and Gujarat coasts till 31st October.

Rough sea Condition is prevailing over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts and likely to become rough to very rough on 30th October.

Fishermen warnings: Along and off Karnataka, Konkan Goa coast on 30th October; along and off north Konkan coast on 31st October; along and off Gujarat coast during 30th October to 02nd November; eastcentral Arabian Sea; adjoining areas on 30th October, many parts of eastcentral Arabian Sea on 31st October, many parts of eastcentral, most parts of northeast; adjoining areas on 01st November.

Impact Expected and Action Suggested due to heavy rain and strong winds (North Konkan and coastal districts of Gujarat state)

Impact expected:

- ❖ Strong and squally wind and heavy rain may damage plantation, horticulture and standing crops.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to strong winds and heavy rain.
- ❖ Road and rail traffic may be affected due to heavy rain.
- ❖ There could be localised flash floods, landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Surface & Helicopter services may be regulated.
- ❖ Small ships & country boats would be affected due to strong wind and heavy rain.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Surface transport and helicopter services to be regulated.

ii. Weather conditions and forecast over Delhi/NCR during 30th October to 02nd November, 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>

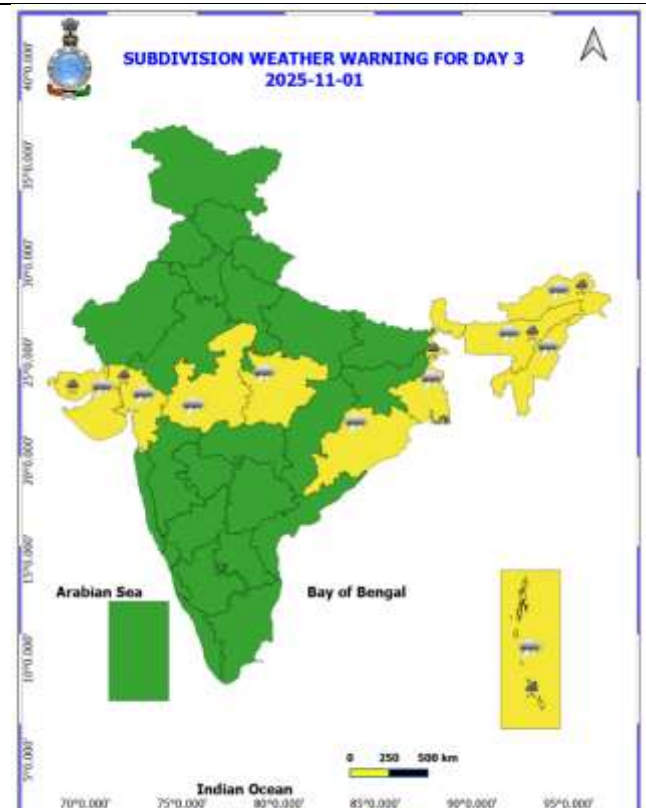
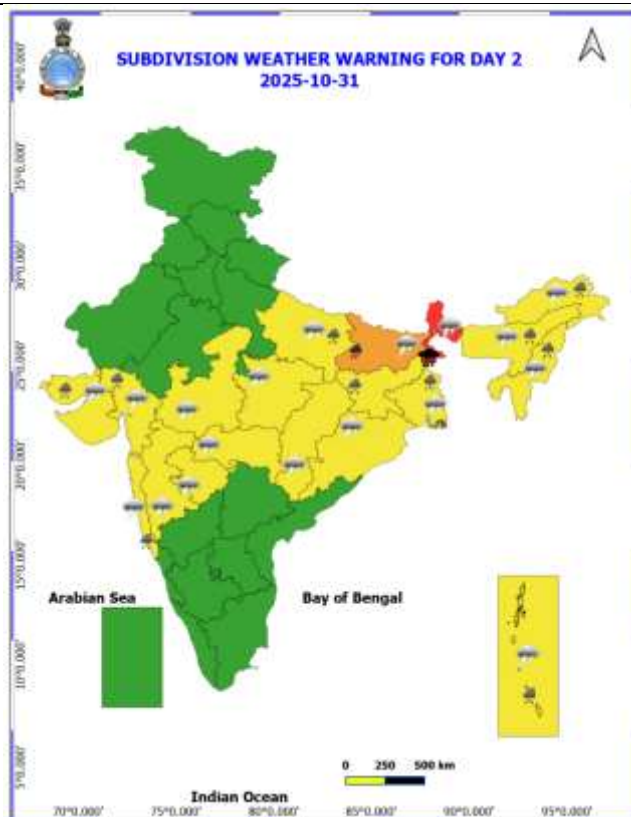
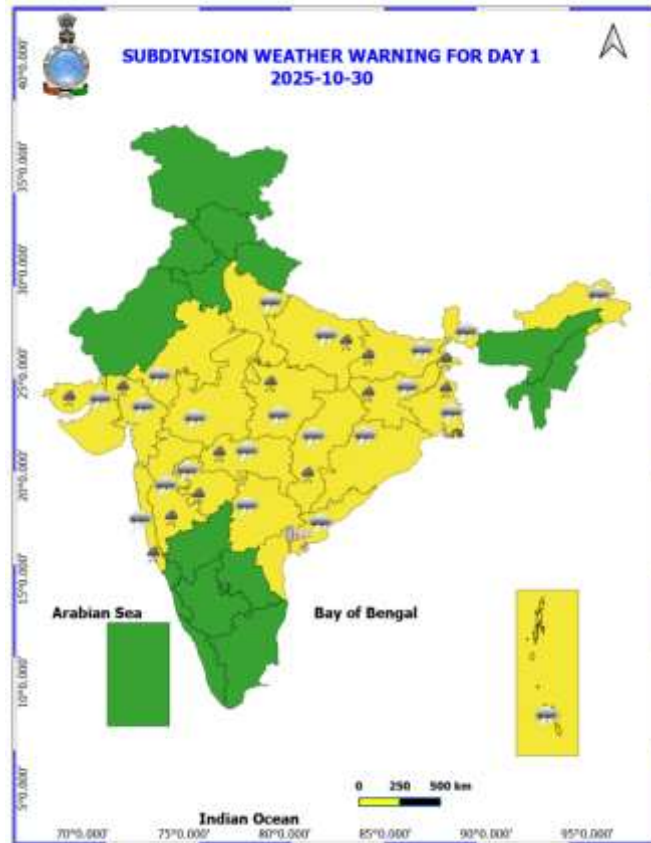
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

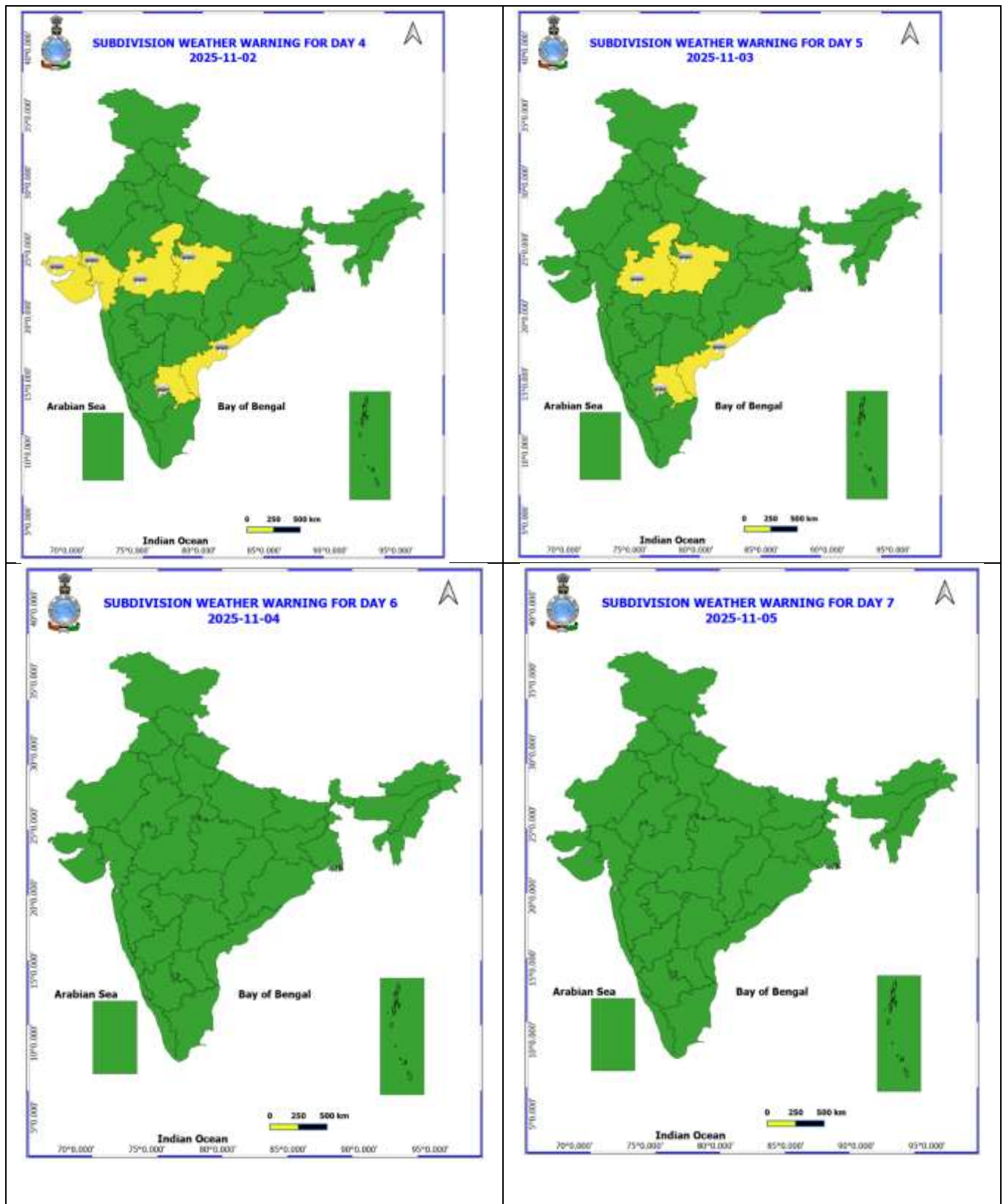
Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 30th October (≥ 7 cm):

- ❖ **Telangana:** Bheemadevarpalle (dist Hanumakonda) 39, Parvathagiri (dist Warangal) 38, Dharmasagar (dist Hanumakonda) 31, Chigurumamidy (dist Karimnagar) 31, Huzurabad (dist Karimnagar) 29, Zaffergadh (dist Jangaon) 29, Gudurwrgl (dist Mahabubabad) 28, Sangem (dist Warangal) 28, Hasanparthy (dist Hanumakonda) 25, Chennaraopet (dist Warangal) 25, Jangaon (dist Jangaon) 23, Hanamkonda (dist Hanumakonda) 23, Palakurthi (dist Jangaon) 23, Narmetta (dist Jangaon) 22, Nanganur (dist Siddipet) 20, Shankarapatnam (dist Karimnagar) 20, Karimnagar (dist Karimnagar) 20, Thimmapur (dist Karimnagar) 19, Atmakur M (dist Y. Bhuvanagiri) 19, Narsampet (dist Warangal) 19, Ghanpur (dist Jangaon) 17, Mahabubabad (dist Mahabubabad) 17, Raghunathpalle (dist Jangaon) 17, Srirampur (dist Peddapalle) 15, Kunaram(arg) (dist Peddapalle) 15, Atmakurwrgl (dist Hanumakonda) 15, Dornakal (dist Mahabubabad) 15, Garla (dist Mahabubabad) 15, Kodakandla (dist Jangaon) 15, Bachhanpet (dist Jangaon) 14, Noothankal (dist Suryapet) 14, Devaruppall (dist Jangaon) 14, Konaraopeta (dist Rajanna Sircilla) 14, Armur (dist Nizamabad) 14, Bayyaram (dist Mahabubabad) 14, Nandipet (dist Nizamabad) 14, Peddapalle (dist Peddapalle) 13, Bejjanki (dist Siddipet) 13, Gangadhara (dist Karimnagar) 12, Chandurthi (dist Rajanna Sircilla) 12, Shayampet (dist Hanumakonda) 12, Choppadandi (dist Karimnagar) 12, Mustabad (dist Rajanna Sircilla) 12, Kondapak (dist Siddipet) 12, Kammar Palle (dist Nizamabad) 11, Ellanthukunta (dist Rajanna Sircilla) 11, Jagadevpur (dist Siddipet) 11, Karimnagar(a) (dist Karimnagar) 11, Pegadapalle (dist Jagtial) 11, Jammikunta (dist Karimnagar) 11, Jajireddigudem (dist Suryapet) 11, Boinpalle (dist Rajanna Sircilla) 11, Velpur (dist Nizamabad) 11, Mudhole (dist Nirmal) 10, Sultanabad (dist Peddapalle) 10, Siddhapur(a) (dist Warangal) 10, Khanapur (dist Warangal) 10, Navipet (dist Nizamabad) 10, Kathlapur (dist Jagtial) 10, Nallabelly (dist Warangal) 10, Bheemgal (dist Nizamabad) 9, Kataram (dist J. Bhupalpally) 9, Balkonda (dist Nizamabad) 9, Manthani (dist Peddapalle) 9, Yadagirigutta (dist Y. Bhuvanagiri) 9, Elagaid (dist Peddapalle) 9, Parkal (dist Hanumakonda) 9, Regonda (dist J. Bhupalpally) 9, Mortad (dist Nizamabad) 9, Jakranpalle (dist Nizamabad) 9, Sarangapur (dist Jagtial) 8, Mogullapalle (dist J. Bhupalpally) 8, Sirsilla (dist Rajanna Sircilla) 8, Metpalle (dist Jagtial) 8, Mothey (dist Suryapet) 8, Bhuvanagiri (dist Y. Bhuvanagiri) 7, Mallial (dist Jagtial) 7, Kaveri_siddipet(a) (dist Siddipet) 7, Mulug (dist Mulugu) 7, Kothaguda (dist Mahabubabad) 7, Chityal (dist J. Bhupalpally) 7, Belampalle (dist Mancherial) 7, Jaipur (dist Mancherial) 7, Bhainsa(arg) (dist Nirmal) 7, Yellareddypeta (dist Rajanna Sircilla) 7, Dharmapuri (dist Jagtial) 7, Siricilla(a) (dist Rajanna Sircilla) 7, Suryapet (dist Suryapet) 7, Makloor (dist Nizamabad) 7, Sirpuru (dist Kumaram Bheem) 7;
- ❖ **Konkan & Goa:** Malvan (dist Sindhudurg) 12, Ratnagiri - Imd Obsy (dist Ratnagiri) 12, Rameshwar_agri (dist Sindhudurg) 10, Savarde-arg (dist Ratnagiri) 9, Guhagarh (dist Ratnagiri) 8, Jawhar (dist Palghar) 7, Panjim - Imd Obsy (dist North Goa) 7;
- ❖ **Coastal Andhra Pradesh:** Polavaram (dist Eluru) 9;
- ❖ **Odisha:** Nawana (dist Mayurbhanj) 9, Nh5 Gobindpur (dist Balasore) 9, Banki (dist Cuttack) 8, Suliapada (dist Mayurbhanj) 7, Bhuban (dist Dhenkanal) 7;
- ❖ **Marathawada:** Mantha (dist Jalna) 8;
- ❖ **Vidarbha:** Manora (dist Washim) 8;
- ❖ **Jharkhand:** Sonua (dist West Singhbhum) 7;
- ❖ **Bihar:** Imamganj (dist Gaya) 7;
- ❖ **Coastal Karnataka:** Uttar Kannada 7.

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

- 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 30th October to 02nd November 2025

Past Weather:

There has been rise in the minimum temperature up to 1- 2°C and rise in the maximum temperature up to 2 - 3°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 28 to 29 °C and 18 to 20°C respectively. The minimum temperature was above normal up to 2-4 °C and maximum temperature was below normal up to 2 -3 °C. Shallow fog was reported at Safadarjung airport. Safadarjung airport recorded the lowest visibility 800 m from 0630 Hrs IST to 1030 Hrs IST on 30.10.2025 which thereafter improved becoming 1000m at 1100 Hrs IST. Palm Airport recorded lowest visibility 1000m from 0700 Hrs IST to 0900 Hrs IST which thereafter improve becoming 1100m at 0930 Hrs IST on 30.10.2025. Partly cloudy sky conditions with predominant surface wind from the northwest direction associated with calm wind as gradually increase becoming up to 10 kmph prevailed during the past 24 hours. Generally cloudy sky conditions associated with calm wind as gradually increase becoming up to 08 kmph from the northeast direction prevailed over the region in the forenoon today.

Weather Forecast:

30.10.2025: Generally cloudy sky. A Spell of very Light Rain/Drizzle is likely at a few places. The maximum temperatures were in the range of 28 to 30 °C. The maximum temperature will be below normal up to 1 – 3°C. The predominant surface wind will likely to be from the northeast direction with a wind speed of up to 10 kmph during afternoon hours. The wind speed will increase becoming upto 12 kmph from the southeast direction during the evening and night.

31.10.2025: Partly cloudy sky with smog/shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 29 to 31°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 southeast direction associated with calm wind as gradually increase becoming up to 05 kmph during morning hours. The wind speed will gradually increase becoming up to 10 kmph from the northeast direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the east direction during the evening and night.

01.11.2025: Mainly clear sky with smog/shallow fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 30 to 32°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 northeast direction associated with calm wind as gradually increasing up to 05 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 10 kmph from the northwest direction during the evening and night.

02.11.2025: 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 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 associated with calm wind as gradually increasing up to 05 kmph during morning hours. The wind speed will increase becoming less than 15 kmph from the northwest direction in the afternoon. The wind speed will decrease becoming less than 05 kmph from the west direction during the evening and night.

Impact & Action Suggested due to

- ❖ **Extremely heavy rainfall (≥21 cm)** at isolated places over Sub-Himalayan West Bengal & Sikkim on 31st October.
- ❖ **Very heavy rainfall (12-20 cm)** at isolated places over Bihar on 31st 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 **Telangana**, drain out excess water from fields of rice, cotton, pigeon pea, green gram, groundnut, turmeric and vegetables. Store the already harvested produce in safe places. Cover the already harvested produce of maize and soybean crops lying on the fields with tarpaulin or shift to a safer place.
- In **Andhra Pradesh**, drain out excess water from fields of rice, maize, sugarcane, pigeon pea, black gram, green gram, finger millet, cotton, groundnut, turmeric, ginger, vegetables and plantations of banana, mango, cashew, coconut and arecanut. Store the already harvested produce in safe places.
- In **Kerala**, harvest matured rice crop immediately and keep the produce in safe places.
- In **Odisha**, drain out excess water from fields of rice, black gram, green gram, pigeon pea, maize, groundnut, cotton, sugarcane and vegetables and fruit orchards. Postpone sowing / planting of *rabi* crops (*rabi* pulses, vegetables etc.) till cessation of rains.
- In **West Bengal**, make arrangements to drain out excess water from fields of rice, groundnut, pulses, ginger and vegetables.
- In **Jharkhand**, harvest matured rice crop only during fair weather and store the harvested produce in safer places.
- In **Bihar**, harvest matured crops of rice and maize only during fair weather / non-rainy period and shift the produce to safer places.
- In **East Uttar Pradesh**, harvest matured crops of rice and vegetables only during fair weather / non-rainy period and store the produce in safe places.
- In **Gujarat**, harvest the matured crops of rice, groundnut, soybean, black gram, green gram, sesame, maize, pearl millet and vegetables (tomato, brinjal, chilli, okra, cucurbits etc.) only during fair weather and store the produce in safe places. Make provision to drain out excess water from standing crop fields.
- In **Chhattisgarh**, harvest matured crops of rice, minor millets, maize, black gram, horse gram, groundnut and pigeon pea only during fair weather and keep the harvested produce at safer places. Make arrangements to drain out excess water from standing crop fields.
- In **Madhya Pradesh**, harvest matured crops of rice, maize and soybean during fair weather only and shift the produce to safer places.
- 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 **Marathwada**, continue picking of cotton only during fair weather / non-rainy period and shift the harvested produce of cotton and soybean to safer places. In **Vidarbha**, continue picking of cotton only during fair weather / non-rainy period and keep the already harvested produce of rice, soybean and cotton at safer places, if storage is not possible cover the produce with plastic / tarpaulin sheets. In **East Vidarbha**, postpone harvesting of matured rice during heavy rainfall periods.

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

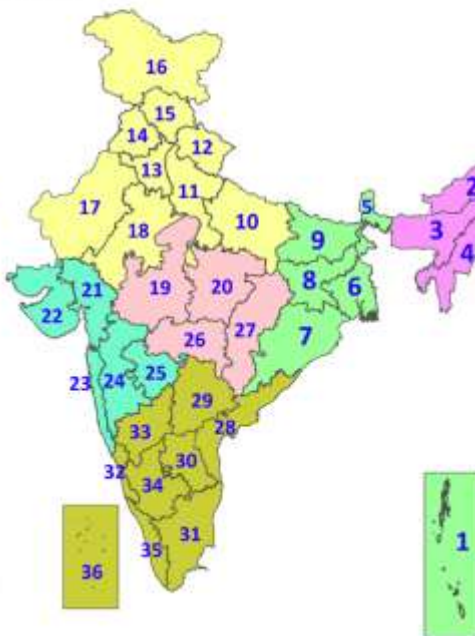
32. तटीय कर्नाटक

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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