**India Meteorological Department**
**(Ministry of Earth Sciences)**

**NATIONAL BULLETIN NO. 36 (BOB/10/2026)**

**TIME OF ISSUE: 0530 HOURS IST** **DATED: 20.11.2026**

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)**
**TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)**
**CONTROL ROOM NDMA (FAX.NO. 26701729)**
**CABINET SECRETARIAT (FAX.NO.23012284, 23018638)**
**PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)**
**SECRETARY, MOES (FAX NO. 24629777)**
**H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)**
**DIRECTOR GENERAL, DOORDARSHAN (23385843)**
**DIRECTOR GENERAL, AIR (23421105, 23421219)**
**PIB MOES (FAX NO. 23389042)**
**UNI (FAX NO. 23355841)**
**D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)**
**DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)**
**CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192-232656)**
**CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 0863-2441029)**
**CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674-2536660)**
**CHIEF SECRETARY, GOVT OF TELANGANA (FAX NO 040-23455340)**
**CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)**
**CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2334145)**
**CHIEF SECRETARY, GOVT. OF CHHATTISGARH (FAX NO. 0771-2221206)**
**CHIEF SECRETARY, GOVT. OF JHARKHAND (FAX NO. 0651-2400255)**
**CHIEF SECRETARY, GOVT. OF WEST BENGAL (FAX NO. 033-22144328)**

**Sub: Cyclonic Storm "Akvan" [Pronunciation: Akvan] over westcentral Bay of Bengal [Cyclone Warning for North Andhra Pradesh & Yanam and South Odisha coasts—Red Message]**

The Severe Cyclonic Storm "Akvan" [Pronunciation: Akvan] over the westcentral Bay of Bengal moved north-northwestwards with the speed of 21 kmph during past 06 hours, weakened into a Cyclonic Storm and lay centered at 0230 hours IST of today, the 20th November, 2026 over the same region, near Latitude 17.7°N and Longitude 84.9°E, about 110 km southeast of Kalingapatnam (Andhra Pradesh), 170 km east of Visakhapatnam (Andhra Pradesh), 170 km south of Gopalpur (Odisha), 250 km south-southwest of Puri (Odisha) and 370 km east-northeast of Narsapur (Andhra Pradesh).

It is likely to continue to move north-northwestward and cross North Andhra Pradesh and South Odisha coasts close to Gopalpur, by forenoon of today, the 20th November, 2026 with the maximum sustained wind speed of 70-80 kmph gusting to 90 kmph.

Latest Satellite imagery indicates the Land interaction commenced as the sheared cloud mass associated with the Cyclonic Storm "Akvan" entered into north Andhra Pradesh-south Odisha coasts.

The system is under continuous surveillance of the Doppler Weather Radar at Visakhapatnam and Gopalpur.

**Forecast location and intensity are given in following table:**

| Date/Time (IST) | Position (Lat. $^0$N/ long. $^0$E) | Maximum sustained surface wind speed (Kmph) | Category of cyclonic disturbance |
|---|---|---|---|
| 20.11.26/0230 | 17.7/84.9 | 80-90 gusting to 100 | Cyclonic Storm |
| 20.11.26/0530 | 18.2/85.0 | 80-90 gusting to 100 | Cyclonic Storm |
| 20.11.26/1130 | 19.3/85.0 | 70-80 gusting to 90 | Cyclonic Storm |
| 20.11.26/1730 | 20.4/85.0 | 50-60 gusting to 70 | Deep Depression |
| 21.11.26/0530 | 22.2/85.2 | 25-35 gusting to 45 | Well Marked Low Pressure Area |

**Warnings:**

**(i) Rainfall Warning:**

**North Coastal Andhra Pradesh:** Light to moderate rainfall at many places with **heavy to very rainfall** at isolated places over north coastal Andhra Pradesh on 20th November.

**Odisha:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places and isolated **extremely heavy rainfall (≥21 cm)** over Odisha on 20th November**.** It is likely to decrease to light to moderate rainfall at many places with **heavy rainfall** at isolated places over North Odisha on 21st November.

**Chhattisgarh:** Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over east Chhattisgarh on 20th on 21st November.

**Gangetic West Bengal:** Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places is very likely on 20th November and **heavy rainfall** at isolated places on 21st November.

**Jharkhand:** Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over South Jharkhand on 21st with **Heavy to very heavy rainfall** at isolated places on 20th November.

**Bihar:** Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over southeast Bihar on 20th November.

**(ii) Flash Flood Guidence:** Moderate flash flood risk likely over few watersheds & neighborhoods of Odisha and Gangetic West Bengal during next 24 hours.

**Odisha:** Puri, Jagatsinghpur, Kendrapara, Baleshwar, Bhadrak, Cuttack, Dhenkanal, Mayurbhanj, Keonjhargarh and Jajpur districts.

**Gangetic West Bengal:** East Midnapore, Howrah, North 24 Parganas, South 24 Parganas and Nadia districts.

**(iii) Wind warning:**

**Westcentral Bay of Bengal:** Gale wind speed reaching 80-90 kmph gusting to 100 kmph is prevailing and will decrease becoming 70-80 gusting to 90 from morning till landfall around forenoon of 20th Nov. It will decrease gradually thereafter.

**Northwest Bay of Bengal:** Gale wind speed reaching 70-80 gusting to 90 kmph prevailing and likely to continue till forenoon of 20th Nov and decrease thereafter.

**Eastcentral Bay of Bengal:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail during next 6 hours and decease gradually thereafter.

**Along & off North Andhra Pradesh & Yanam coasts:** Gale wind speed reaching 80-90 gusting to 100 kmph is prevailing and likely to continue till 20th Nov forenoon and decrease gradually thereafter.

**Along & off South Odisha coasts:** Gale wind speed reaching 70-80 gusting to 90 kmph is prevailing and likely to continue till 20th November afternoon and decease thereafter.

**Along & off North Odisha & West Bengal coasts:** Squally wind speed reaching 50-60 gusting 70 kmph is likely to prevail till 20th Nov forenoon and decrease thereafter.

**South Andhra Pradesh coast:** Squally wind speed reaching 40-50 gusting to 60 kmph till 20th Nov morning and decease thereafter.

**(iv) Sea condition:**

**Westcentral Bay of Bengal:** High Sea condition is prevailing; it is likely to continue till landfall on 20th November. It is likely to improve thereafter becoming very rough to rough by 21st November morning.

**Northwest Bay of Bengal:** Very rough to rough sea condition is likely to prevail till 20th Nov forenoon and improve thereafter.

**Eastcentral Bay of Bengal:** Rough to very rough sea condition is likely to prevail during next 6 hours and improve thereafter.

**Along & off North Andhra Pradesh & Yanam coasts:** High Sea condition is prevailing becoming high to very high till landfall on 20th Nov forenoon and improve thereafter.

**Along & off South Odisha coasts:** High to Very rough Sea condition is prevailing and likely to remain till forenoon 20th November afternoon and improve thereafter.

**Along & Off adjoining areas of North Odisha & West Bengal coasts:** Very rough to rough sea condition is likely to prevail till landfall on 20th Nov forenoon and improve gradually thereafter.

**Along & off North South Andhra Pradesh coasts:** Rough to very rough sea condition is very likely till 20th November.

**(v) Storm Surge Warning:**
Storm surge of 0.5 to 1.0 m height above astronomical tide is very likely to inundate low lying areas of Andhra Pradesh (**Kakinada, Vizianagaram, Srikakulam and Visakhapatnam** districts) and south coastal Odisha (**Ganjam and Puri** districts) during the time of landfall.

**(vi) Fisherman warning:** Fishermen are advised not to venture into
- Northern parts of Southwest Bay of Bengal till 20th November.
- Westcentral Bay of Bengal till 21st November morning.
- Northwest Bay of Bengal till 21st November morning.

**(vii) Impact Expected & Action Suggested**

**(a) Damage Expected over north Coastal Andhra Pradesh & Yanam and South Odisha and Action suggested**

- **Structure:**
  - Major Damage to thatched houses/huts/ kutcha houses.
  - Roof tops may blow off
  - Unattached metal sheets may fly
  - Potential threat to vulnerable structures, tin house, asbestos house.
  - Potential threat to structures from detached hoardings, uprooting of trees, breaking of branches
- **Communication and Power:**
  - Damage to power and communication poles.
  - Breaking of tree branches, uprooting of trees.
- **Agriculture:**
  - Major damage to standing and coastal crops, plantations, orchards, falling of green coconuts, tearing of palm fronds. Major damage to banana, Papaya and drumstick trees.
  - Uprooting of trees and breaking of tree branches
  - Damage to horticulture and standing crops.
  - Damage to embankments/ salt pans.
- **Marine interest:**
  - Very high Sea with wave height of 9-12 metre till landfall. Visibility severely affected
  - Movement in boats/ships unsafe
- **Roads/Rail/Air Transport:**
  - Major damage to Kutcha and Pucca roads.
  - Flooding of escape routes. Check for traffic congestion on your route before leaving for your destination.
  - Localized Flooding of roads, water logging in low lying areas.
  - Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
  - Disruption of railways, overhead powerlines and signalling systems, Airports & Heliports.
- **Drinking water/sanitation and human/animal health**.
- **Secondary hazards:** Riverine flooding, Urban flooding, coastal flooding, possible landslides in hilly areas

**Action Suggested**

- Total suspension of fishing operations over:
  - Southwest Bay of Bengal till 20th November.
  - Westcentral Bay of Bengal till 21st November.
  - Northwest Bay of Bengal till 21st November.
- Coastal hutment dwellers to be moved to safer places. People in affected areas to remain indoors.
- Avoid staying in vulnerable structure.

- Judicious regulation of rail, road and air traffic
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Movement in motor boats and small ships unsafe
- Total suspension of offshore/onshore operations
- Dam/reservoir authorities may access the dam/reservoirs.
- Fisheries Departments and fishing harbor authorities are advised to alert fishermen and monitor subsequent IMD marine warnings. Fishermen should plan their activities in accordance with the latest area-specific advisories till 20th November.
- Shipping, port and offshore operators are advised to review operational preparedness and monitor subsequent forecasts for possible restrictions on weather-sensitive activities till 20th November.
- Maritime authorities may review communication, vessel-tracking and search-and-rescue preparedness, particularly for vessels operating in areas likely to be affected till 20th November.
- The extent and timing of restrictions on fishing, shipping, port and marine tourism activities should be guided by subsequent forecasts and warnings issued by IMD till 20th November.

**(b) Damage Expected over north Odisha, Gangetic West Bengal, South Jharkhand and East Chhattisgarh and Action suggested**

- **Structure:**
  - Damage to thatched houses/ kutcha houses.
  - Potential threat to vulnerable structures, tin house, asbestos house.
- **Agriculture:**
  - Damage to standing crops, plantations, orchards, falling of green coconuts, tearing of palm fronds. Major damage to banana, Papaya and drumstick trees.
  - Breaking of tree branches
  - Damage to horticulture and standing crops and coastal crops.
- **Marine interest:** Very rough seas. Sea waves about 4-6 m high. Visibility severely affected
- **Roads/Rail:**
  - Some breaches in Kutcha Road due to flooding.
  - Flooding of escape routes. Check for traffic congestion on your route before leaving for your destination.
  - Localized Flooding of roads, water logging in low lying areas.
  - Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- **Drinking water/sanitation and human/animal health**.
- **Secondary hazards:** Riverine flooding, Urban flooding, coastal flooding, landslides in hilly areas

**Action Suggested**

- Coastal hutment dwellers to be moved to safer places. People in affected areas to remain indoors.
- Avoid staying in vulnerable structure.
- Judicious regulation of rail and road traffic
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Movement in motor boats and small ships unsafe
- Offshore/onshore operations need to be judiciously regulated
- Dam/reservoir authorities may access the dam/reservoirs
- Fisheries Departments and fishing harbor authorities are advised to alert fishermen and monitor subsequent IMD marine warnings. Fishermen should plan their activities in accordance with the latest area-specific advisories till 20th November.
- Shipping, port and offshore operators are advised to review operational preparedness and monitor subsequent forecasts for possible restrictions on weather-sensitive activities till 20th November.
- Maritime authorities may review communication, vessel-tracking and search-and-rescue preparedness, particularly for vessels operating in areas likely to be affected till 20th November.
- The extent and timing of restrictions on fishing, shipping, port and marine tourism activities should be guided by subsequent forecasts and warnings issued by IMD till 20th November.

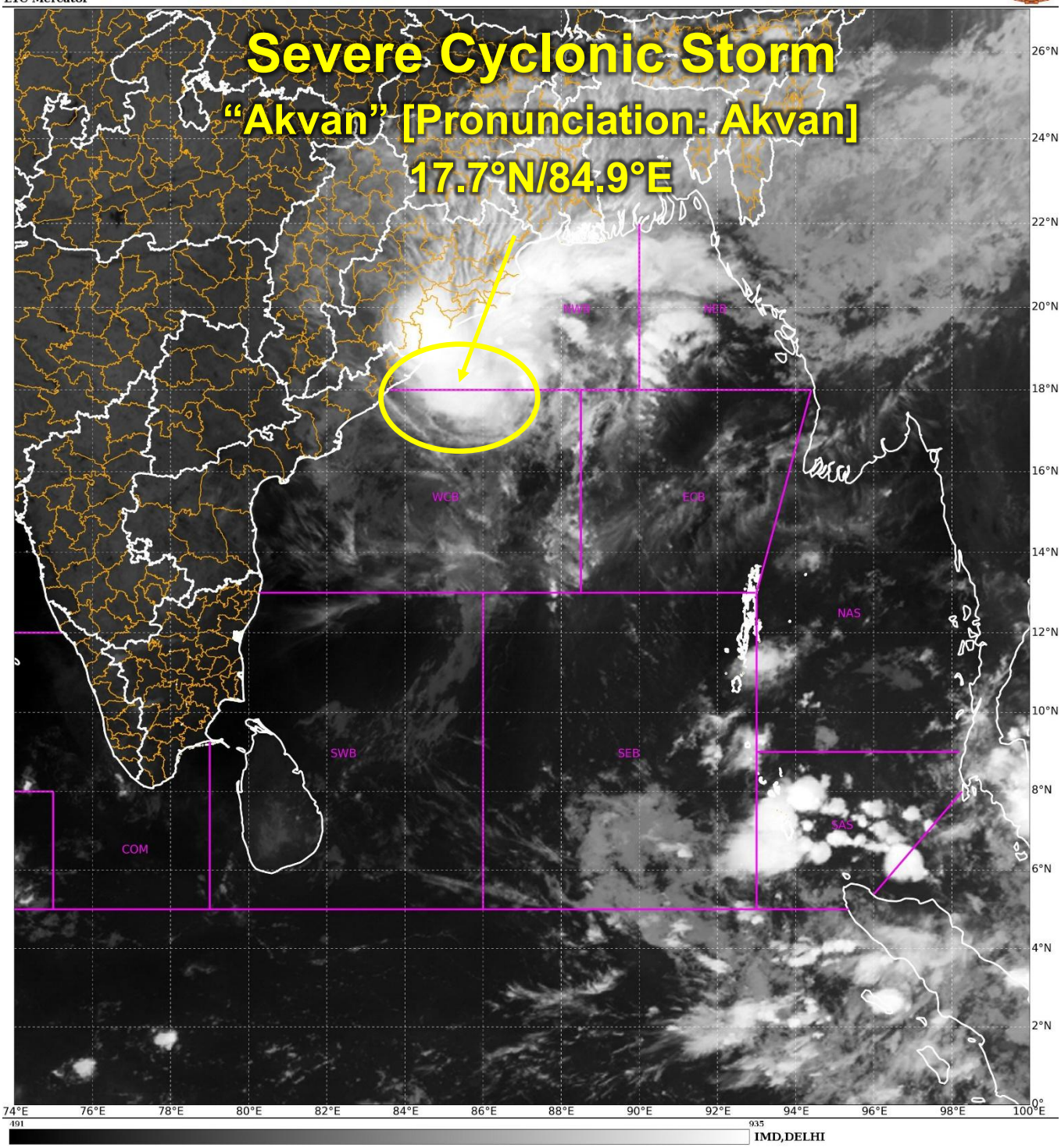
**Next Message will be issued at 0900 hours IST of today, the 20th November, 2026.**

**(Umasankar Das)**
**Scientist D, IMD, New Delhi**

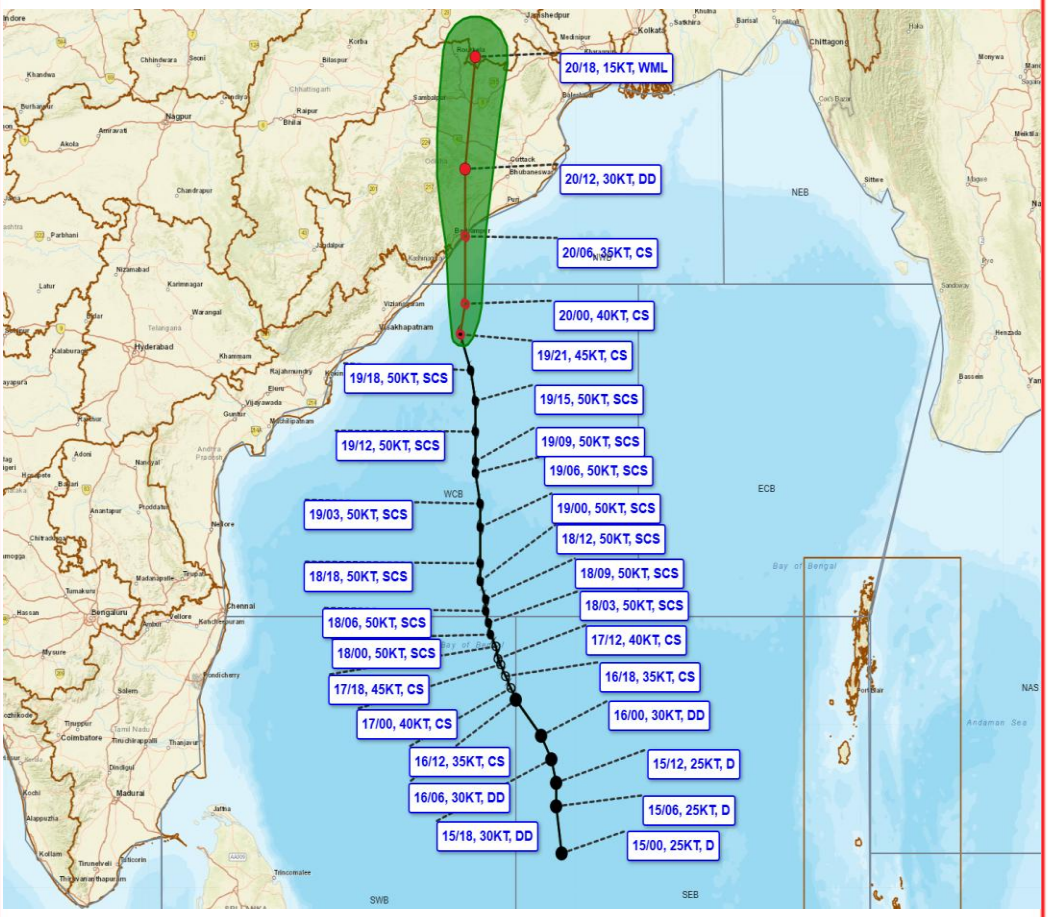
*Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/ MC, Amaravati/ CWC, Vishakhapatnam/ MC, Raipur/ MC, Ranchi, MC, Patna/ MC, Hyderabad/ MC, Sri Vijaya Puram*

SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

19-11-2026/(2115 to 2141) GMT
20-11-2026/(0245 to 0311) IST



# OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM "AKVAN" OVER WESTCENTRAL BAY OF BENGAL BASED ON 2100 UTC OF 19TH NOVEMBER (0230 Hrs. IST OF 20TH NOVEMBER) 2026




DATE/TIME IN UTC
IST= UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63 KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥120 KT)

KT (knot) = NAUTICAL MILES PER HOUR (1 KT = 1.85 KMPH)

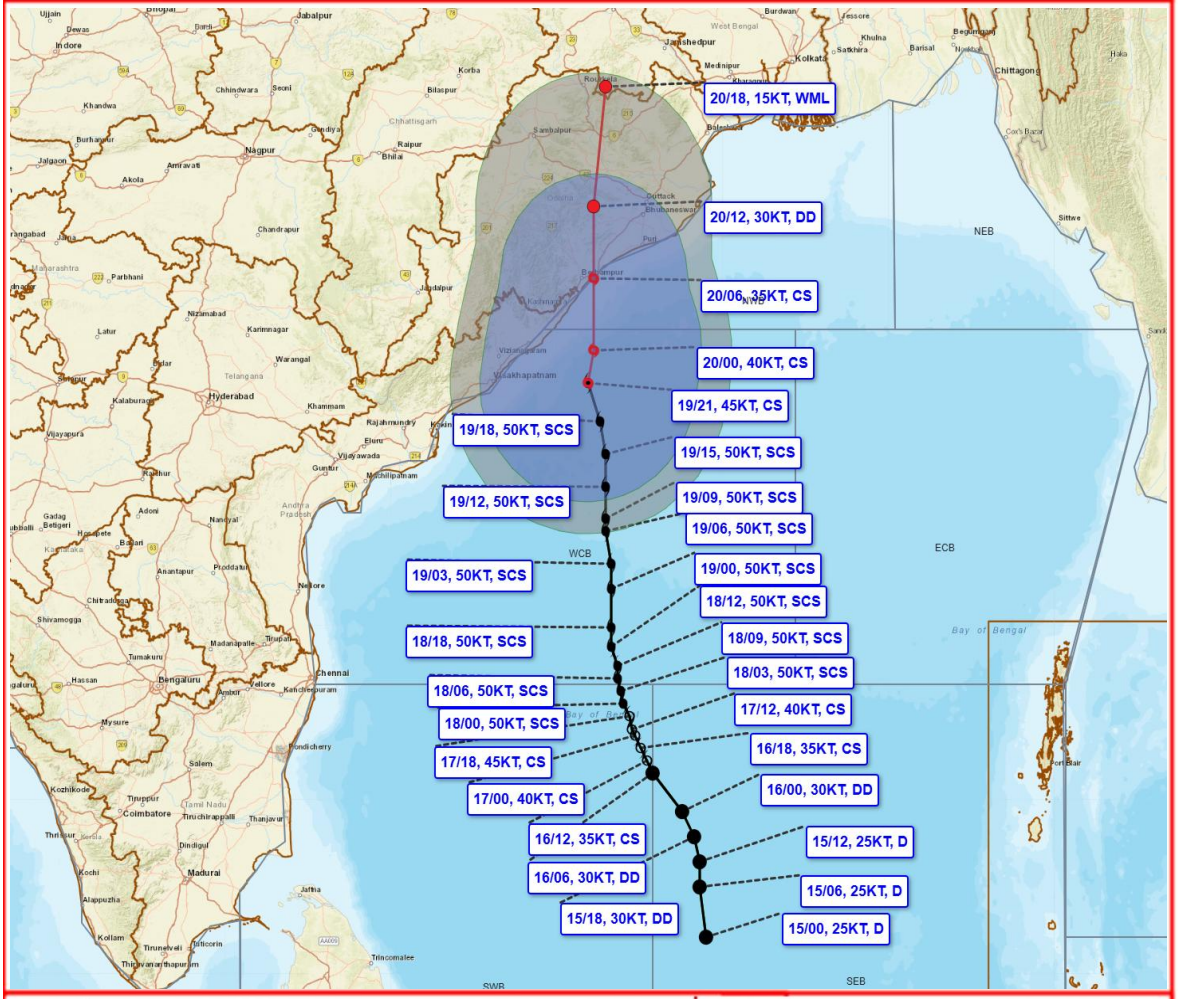
LESS THAN 34 KT
34-47 KT
≥ 48 KT
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY

**CYCLONIC STORM "AKVAN"**

| | | | | Forecast distance (km) and direction of the centre from nearest 5 stations | | | | |
|---|---|---|---|---|---|---|---|---|
| Forecast Date and Time | Lead Period (hrs) | Lat | Lon | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 19.11.2026 21:00 UTC | 0 | 17.7 | 84.9 | KALINGAPATAM (110, SE) | VISAKHAPATNAM (170, E) | GOPALPUR (170, S) | PURI (250, SSW) | NARSAPUR (370, ENE) |

# FORECAST TRACK ALONG WITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "AKVAN" OVER WESTCENTRAL BAY OF BENGAL BASED ON 2100 UTC OF 19TH NOVEMBER (0230 Hrs. IST OF 20TH NOVEMBER) 2026

.




DATE/TIME IN UTC
IST= UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63 KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥120 KT)

KT (knot) = NAUTICAL MILES PER HOUR
1 KT = 1.85 KMPH

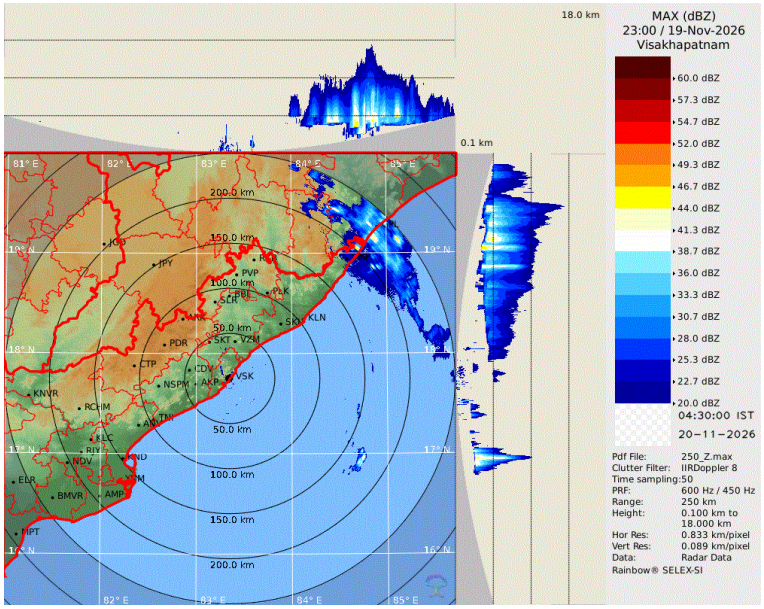
LESS THAN 34 KT
34-47 KT
≥ 48 KT
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY

AREA OF MAXIMUM SUSTAINED WIND SPEED:
28-33 KT (52-61 KMPH)
34-49 KT (62-91 KMPH)
50-63 KT (92-117 KMPH)
≥ 64 KT (≥118 KMPH)

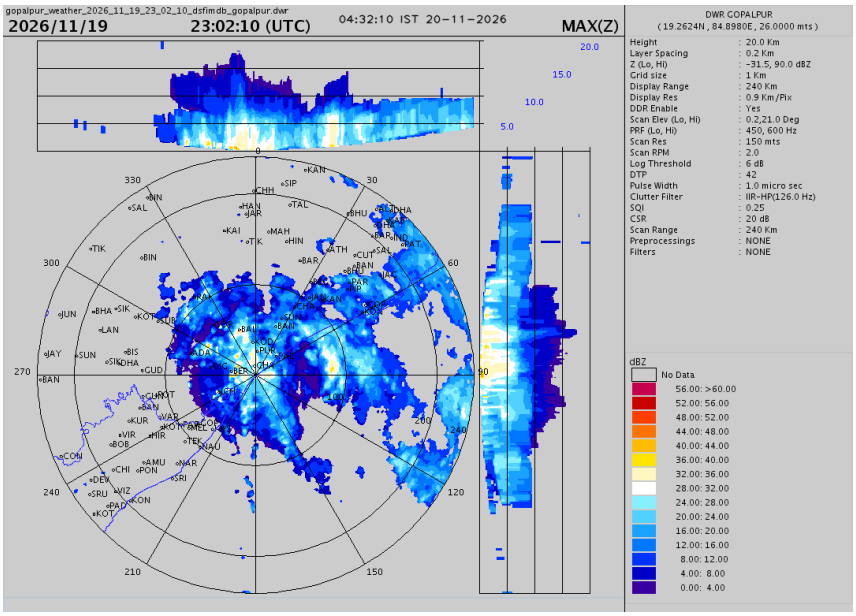
IMPACT OVER THE SEA

| MSW (knot/kmph) | Impact | Action |
|---|---|---|
| 28-33 (52-61) | Very rough seas | Total suspension of fishing operations |
| 34-49 (62-91) | High to very high seas | Total suspension of fishing operations |
| 50-63 (92-117) | Very high seas | Total suspension of fishing operations |
| ≥ 64 (≥118) | Phenomenal | Total suspension of fishing operations |

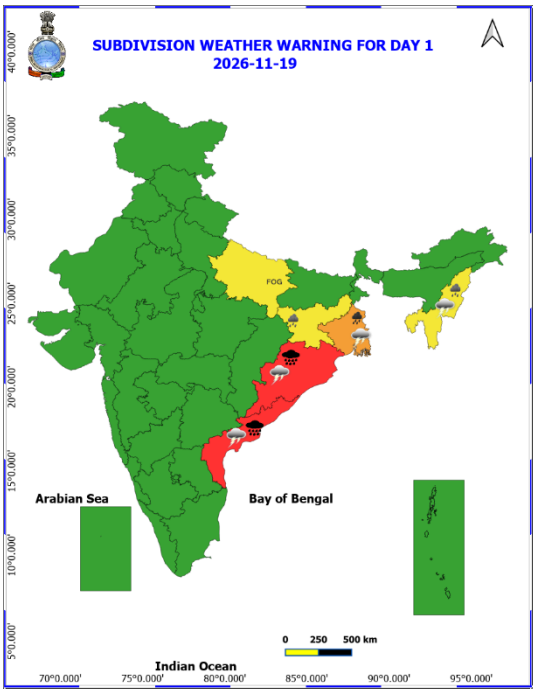
## DWR Visakhapatnam




## DWR Gopalpur

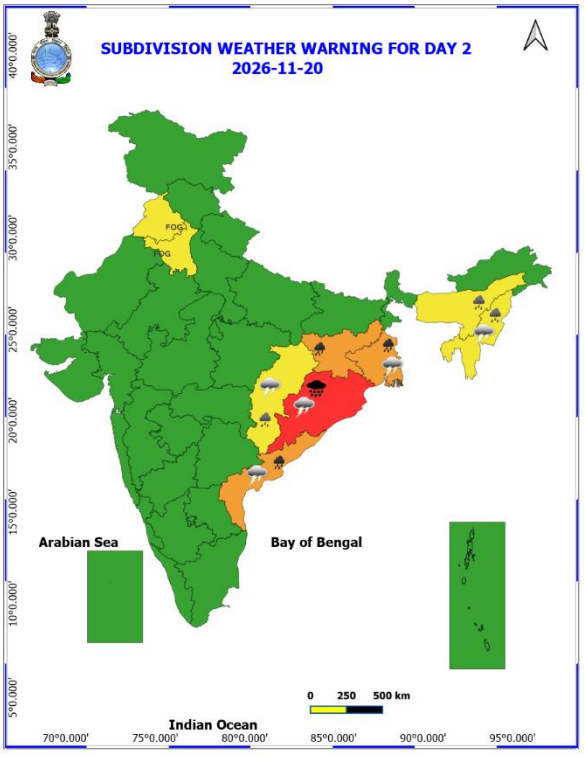


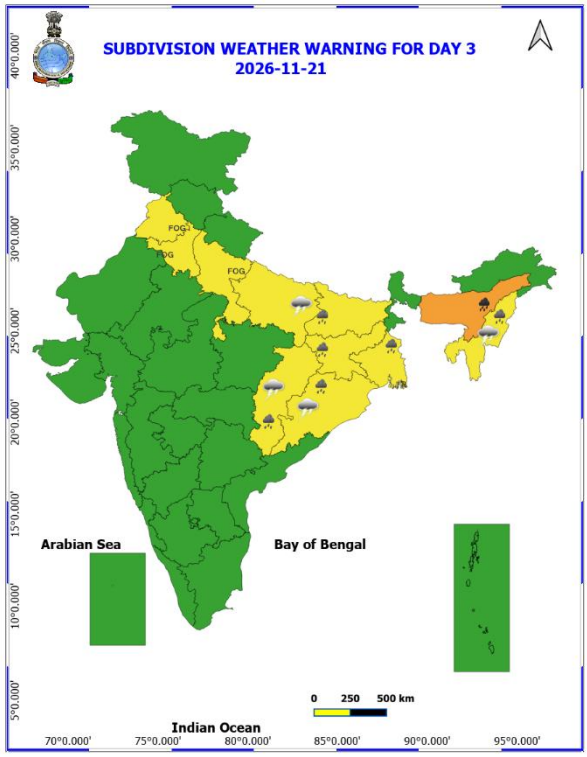
# Weather Warning Graphics

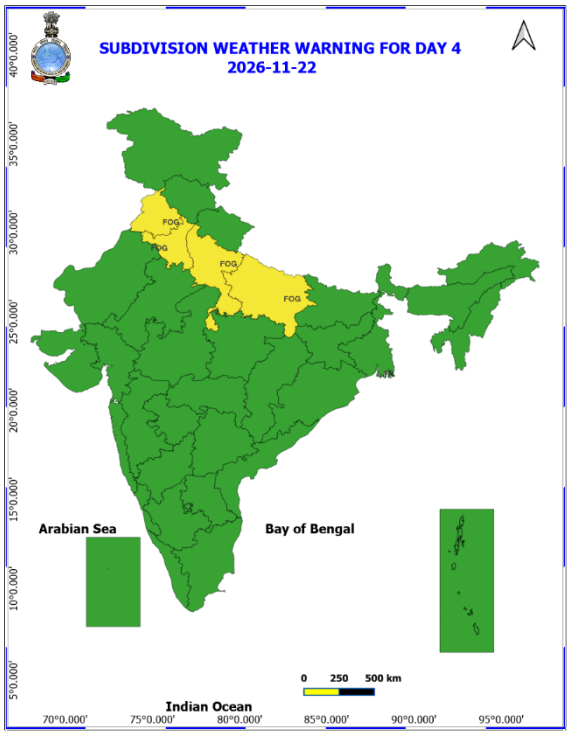


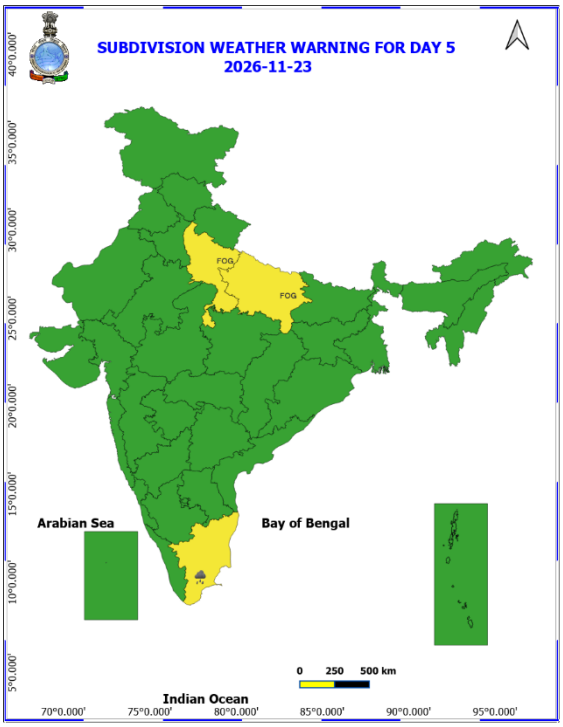


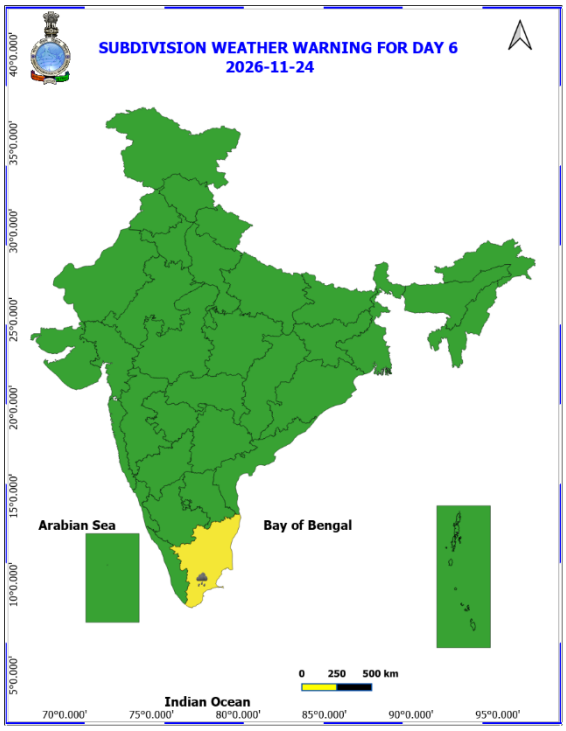


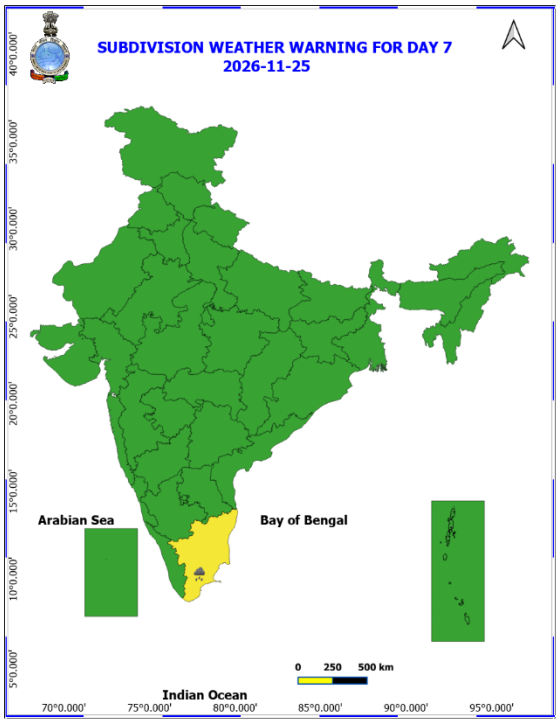



SUBDIVISION WEATHER WARNING FOR DAY 4
2026-11-22
FOG
FOG
FOG
FOG
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'

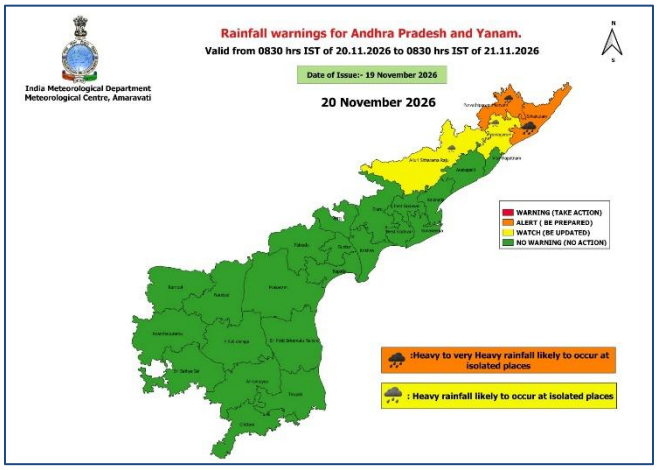

SUBDIVISION WEATHER WARNING FOR DAY 5
2026-11-23
FOG
FOG
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'


SUBDIVISION WEATHER WARNING FOR DAY 6
2026-11-24
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'

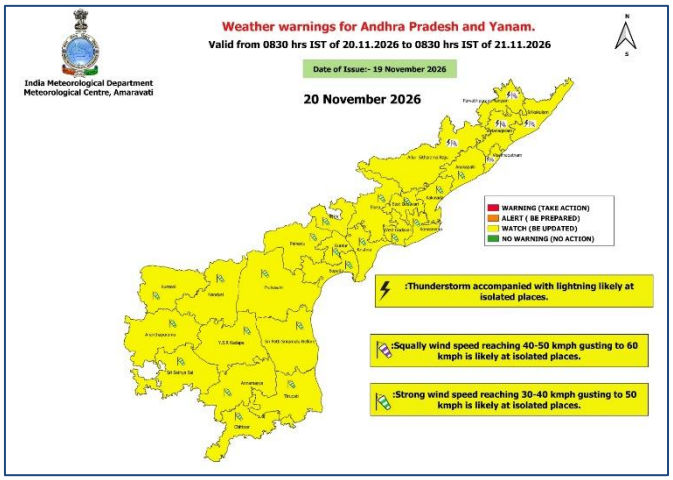

SUBDIVISION WEATHER WARNING FOR DAY 7
2026-11-25
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'

# District-wise Weather Warning Maps

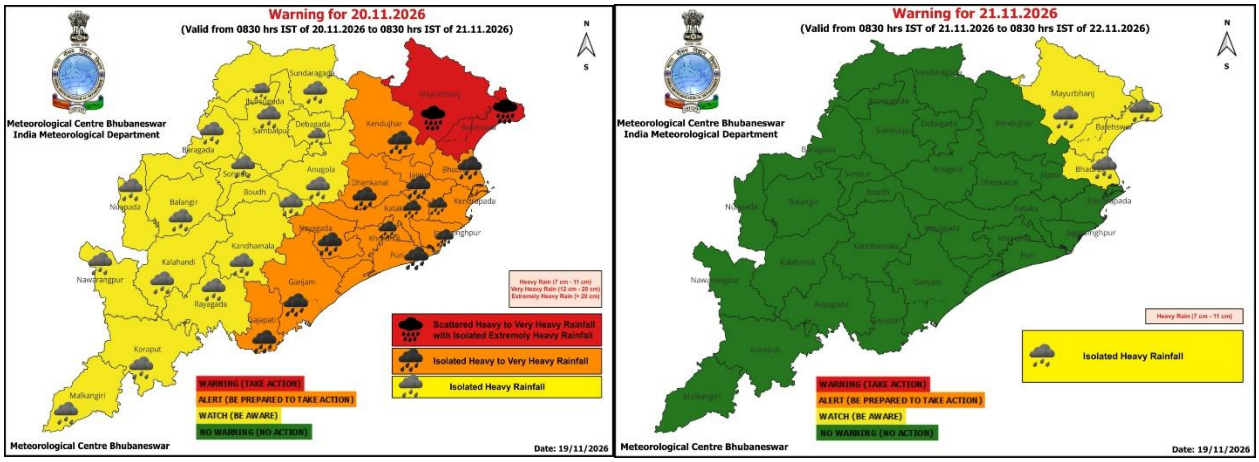
## Andhra Pradesh Rainfall Warnings



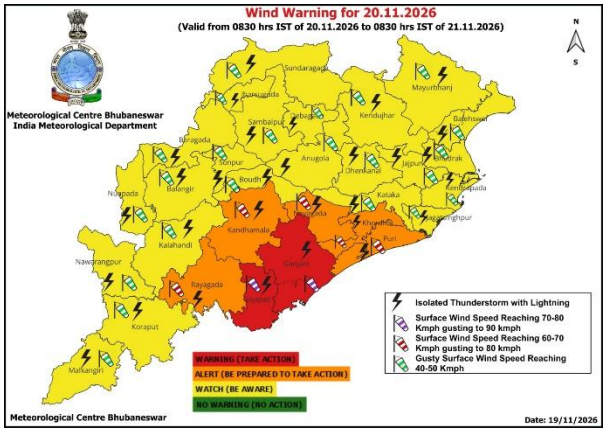

## Andhra Pradesh wind warnings



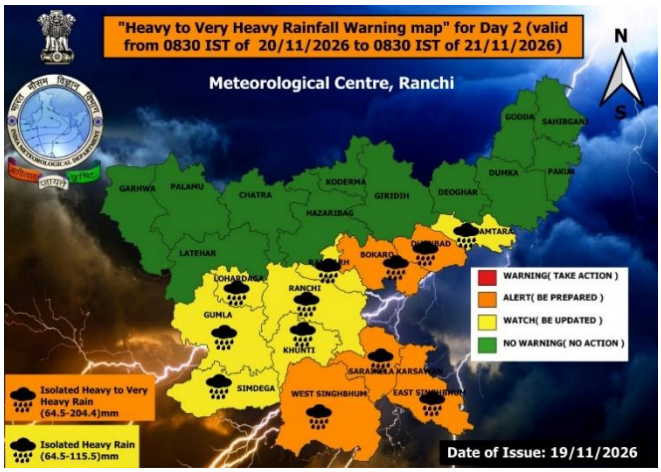
## Odisha Rainfall Warning Maps

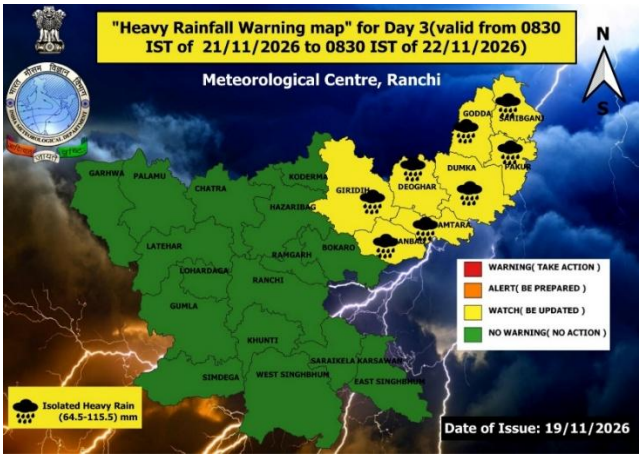



## Odisha Wind Warning Maps

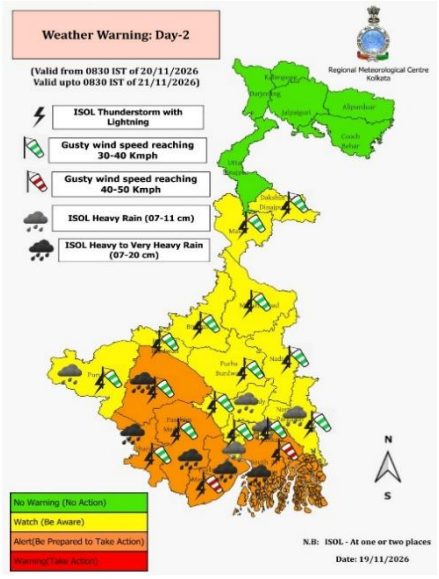


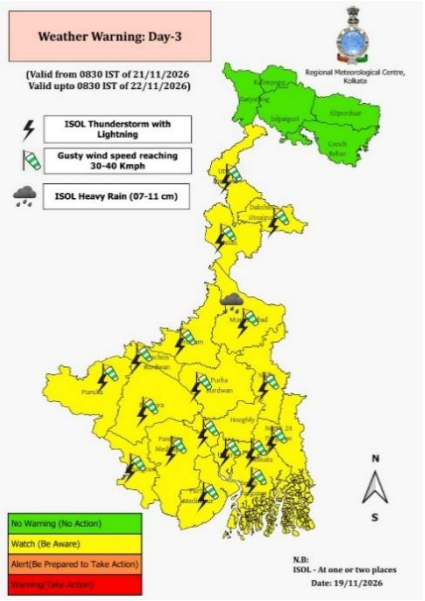
## Jharkhand Rainfall Warnings



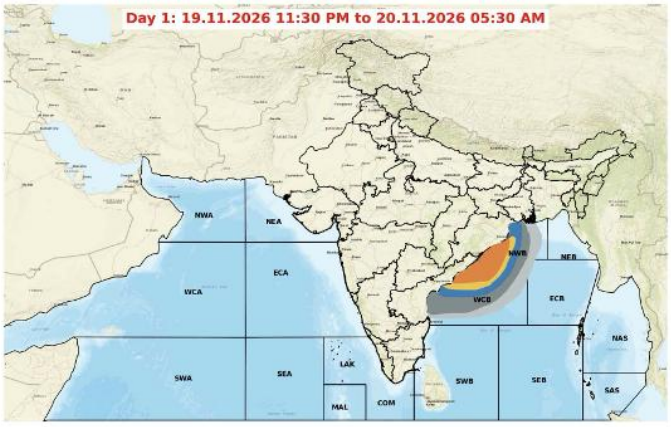



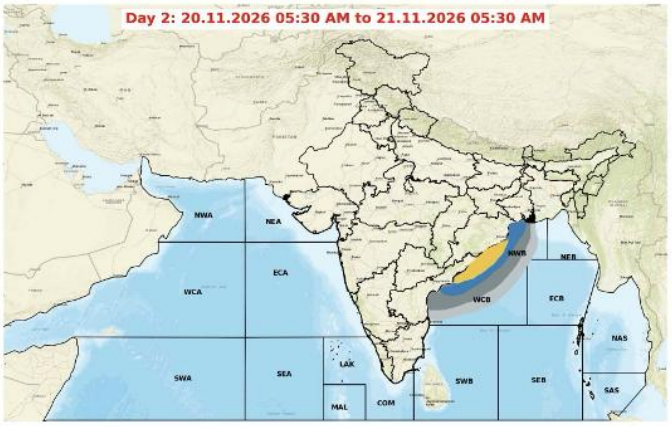

## West Bengal Rainfall Warnings

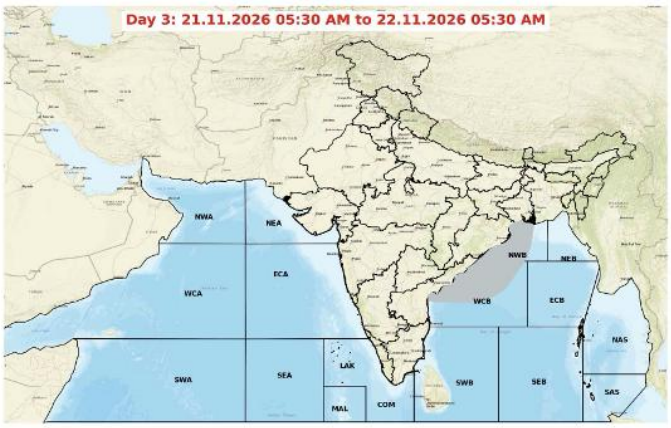


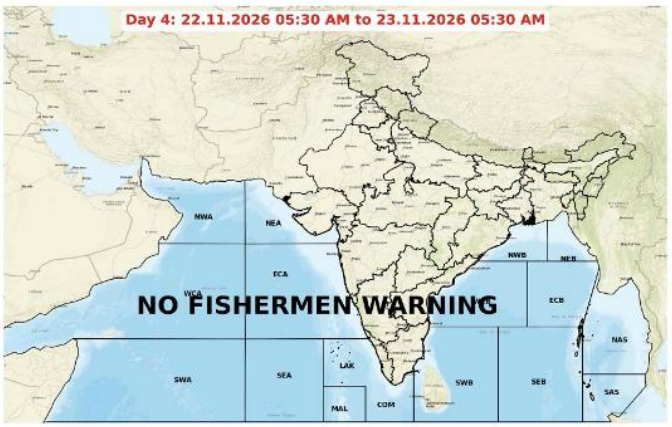



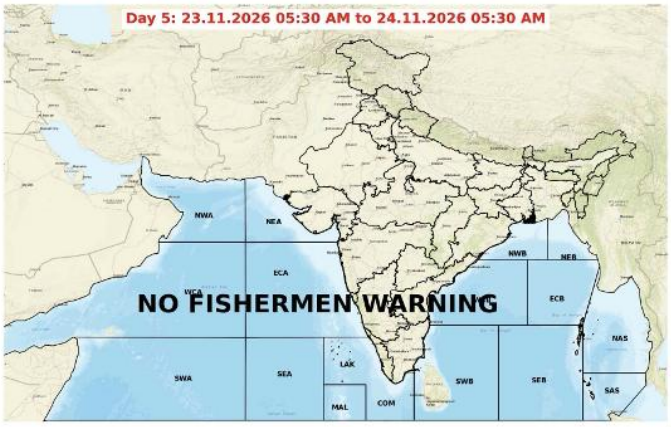
## Fishermen Warning Graphics



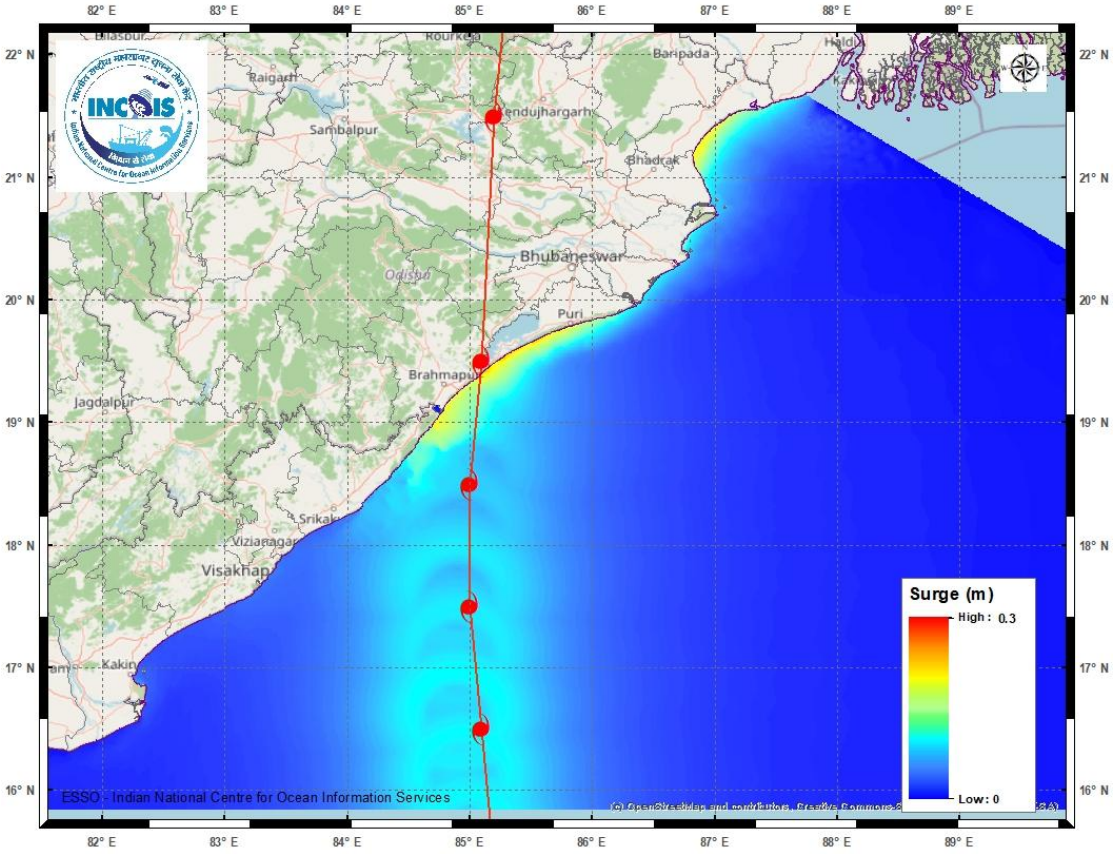




**Legend**

| | |
|---|---|
| | Squally Weather with wind speed 40-50 kmph gusting to 60 kmph |
| | Squally Weather with wind speed 45-55 kmph gusting to 65 kmph |
| | Deep depression with wind speed 50-60 kmph gusting to 70 kmph |
| | CS with Gale winds with speed 60-80 kmph gusting to 90 kmph |
| | SCS with Gale wind speed 90-110 kmph gusting to 120 kmph |

Fishermen are advised not to venture into the marked areas.

# Storm Surge Map



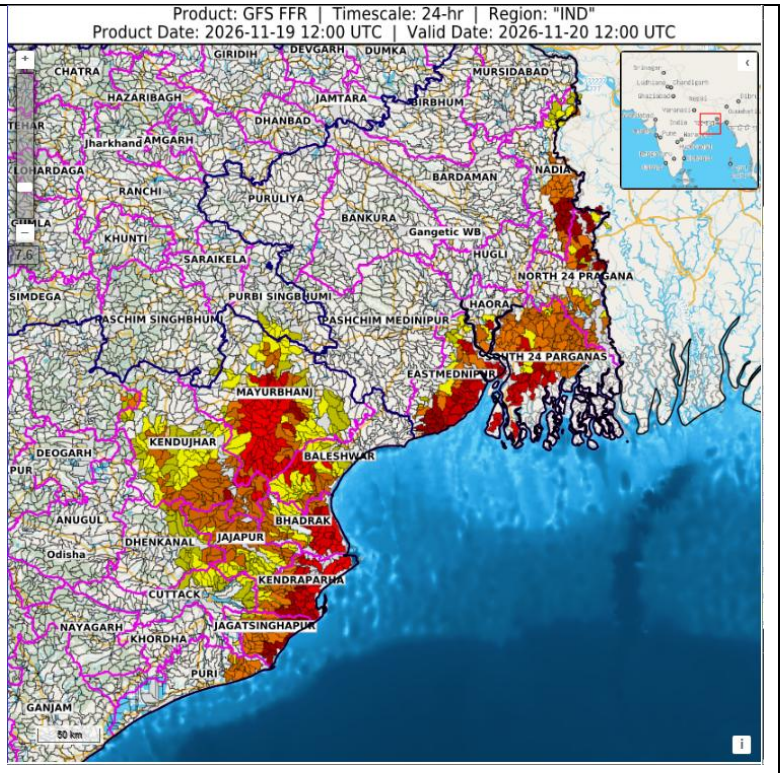
## Flash Flood Risk (FFR) till 1730 IST of 20-11-2026:

Moderate to high flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Odisha: Puri, Jagatsinghpur, Kendrapara, Baleshwar, Bhadrak, Cuttack, Dhemkanal, Mayurbhanj, Keonjhargarh and Jajpur districts

Gangetic West Bengal: East Midnapore, Howrah, North 24 Parganas, South 24 Parganas and Nadia 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.




## River Subbasin wise Quantitative Precipitation Forecast

River Sub-basin-wise Quantitative Precipitation Forecast

| S. No. | Basin Name | Sub-basin Name | QPF (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Day-1 (19.11.26) | Day-2 (20.11.26) | Day-3 (21.11.26) | Day-4 (22.11.26) | Day-5 (23.11.26) | Day-6 (24.11.26) | Day-7 (25.11.26) |
| 1 | BAITRANI | BT | 26-37 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 2 | BHURABALANG | BB | 38-50 | 38-50 | 0.1-10 | 0.1-10 | 0.1-10 | 0 | 0 |
| 3 | LOWER BRAHMANI | LB | 26-37 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 4 | LOWER MAHANADI | LM | 38-50 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 5 | NAGAVALI | NV | 51-75 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 6 | RUSHIKULIYA | RK | 76-100 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 7 | SABARI | SB | 26-37 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 8 | SUBERNAREKHA | SR | 26-37 | 38-50 | 0.1-10 | 0.1-10 | 0.1-10 | 0 | 0 |
| 9 | UPPER BRAHMANI | UB | 0.1-10 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 10 | VAMSDHARA | VD | 51-75 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |
| 11 | UPPER MAHANADI | UM | 0.1-10 | 11-25 | 0.1-10 | 0 | 0 | 0 | 0 |