India Meteorological Department
(Ministry of Earth Sciences)

NATIONAL BULLETIN NO. 37 (BOB/10/2026)

TIME OF ISSUE: 0730 HOURS IST **DATED: 20.11.2026**

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)
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CHIEF SECRETARY, GOVT. OF WEST BENGAL (FAX NO. 033-22144328)

Sub: Cyclonic Storm "Akvan" [Pronunciation: Akvan] over westcentral Bay of Bengal near north Andhra Pradesh & south Odisha coasts [Post Landfall outlook for North Andhra Pradesh and South Odisha coasts—Red Message]

The Cyclonic Storm "Akvan" [Pronunciation: Akvan] over the westcentral Bay of Bengal moved north-northwestwards with the speed of 23 kmph during past 06 hours and lay centered at 0530 hours IST of today, the 20th November, 2026 over westcentral Bay of Bengal near north Andhra Pradesh & south Odisha coasts (Latitude 18.3°N and Longitude 84.8°E), about 70 km east of Kalingapatnam (Andhra Pradesh), 110 km south of Gopalpur (Odisha), 170 km east-northeast of Visakhapatnam (Andhra Pradesh), and 200 km south-southwest of Puri (Odisha).

It is likely to continue to move north-northwestward and cross North Andhra Pradesh and South Odisha coasts close to Gopalpur, by forenoon of 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 outer rain cloud band entered into the land and the Landfall process will commence during next 2 hours.

The system is under continuous surveillance of the Doppler Weather Radar at 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
20.11.26/0530	18.3/84.8	80-90 gusting to 100	Cyclonic Storm
20.11.26/1130	19.5/84.7	70-80 gusting to 90	Cyclonic Storm
20.11.26/1730	20.6/84.8	50-60 gusting to 70	Deep Depression
20.11.26/2330	21.8/85.0	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: Ganjam, Puri, Gajapati, Mayurbhanj

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.

Along & off North Andhra Pradesh & Yanam coasts: Gale wind speed reaching 80-90 gusting to 100 kmph is prevailing and likely to continue till landfall around 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.

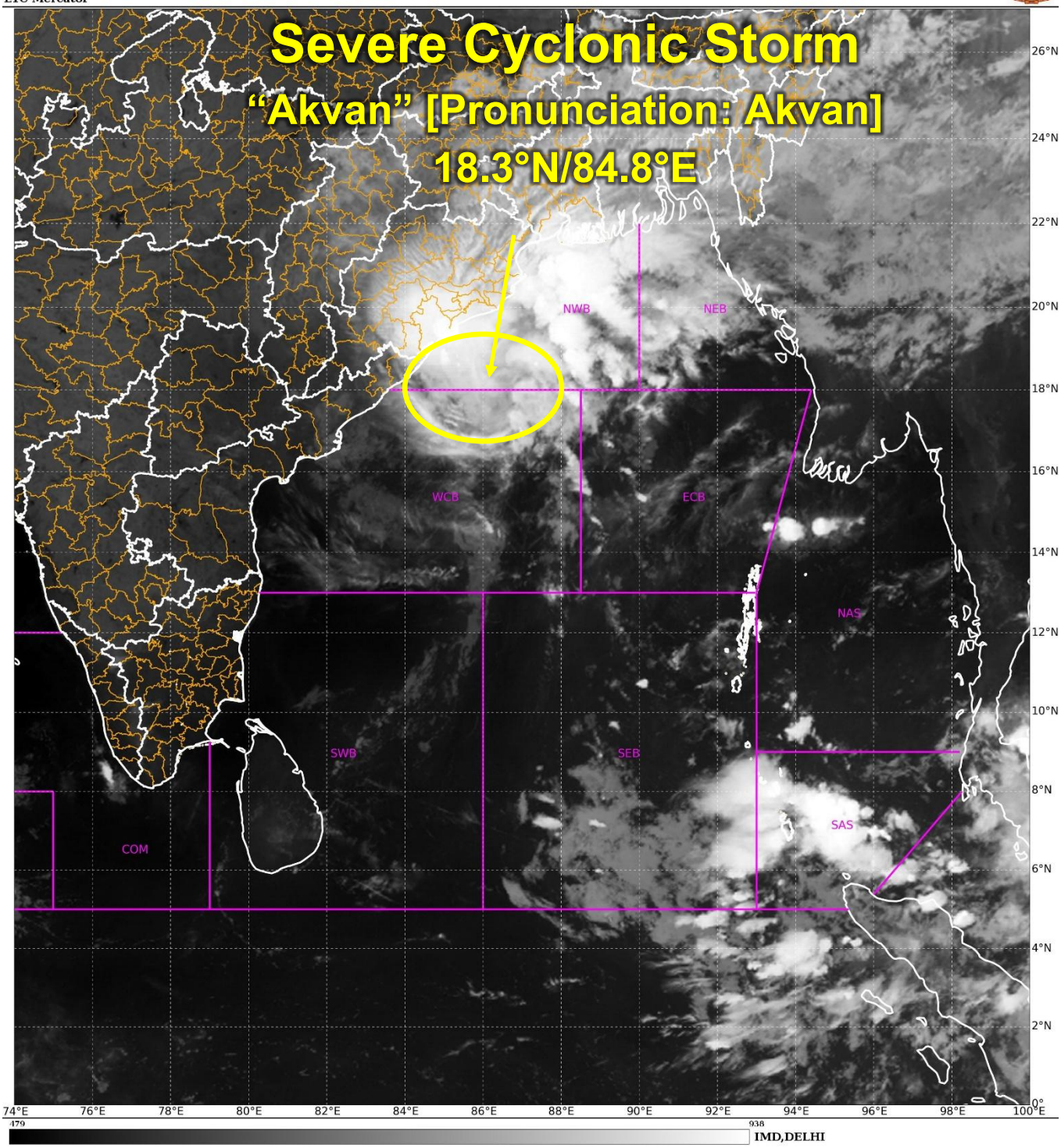
Next Message will be issued at 1230 hours IST of today, the 20th November, 2026.

(Umasankar Das)
Scientist D, IMD, New Delhi

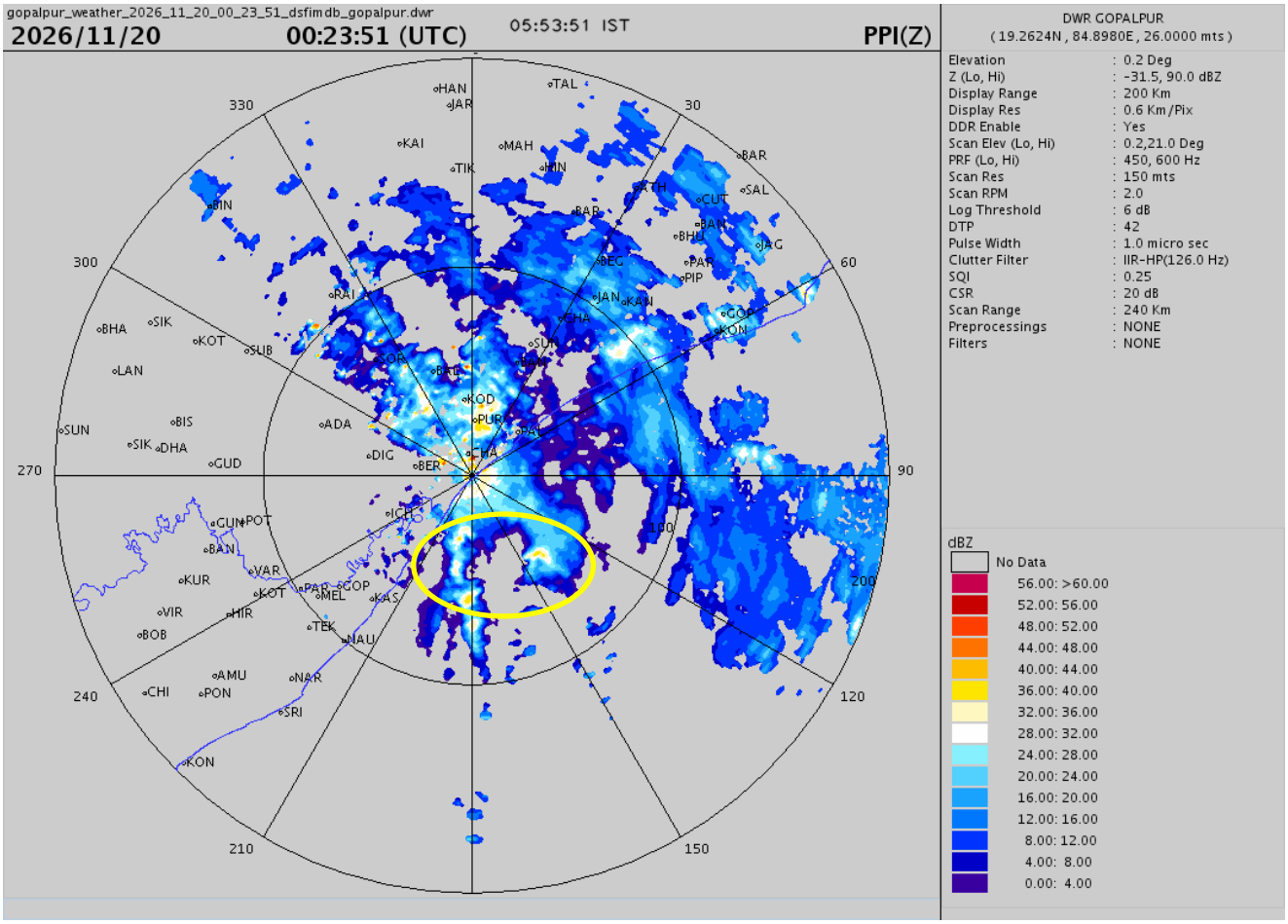
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SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

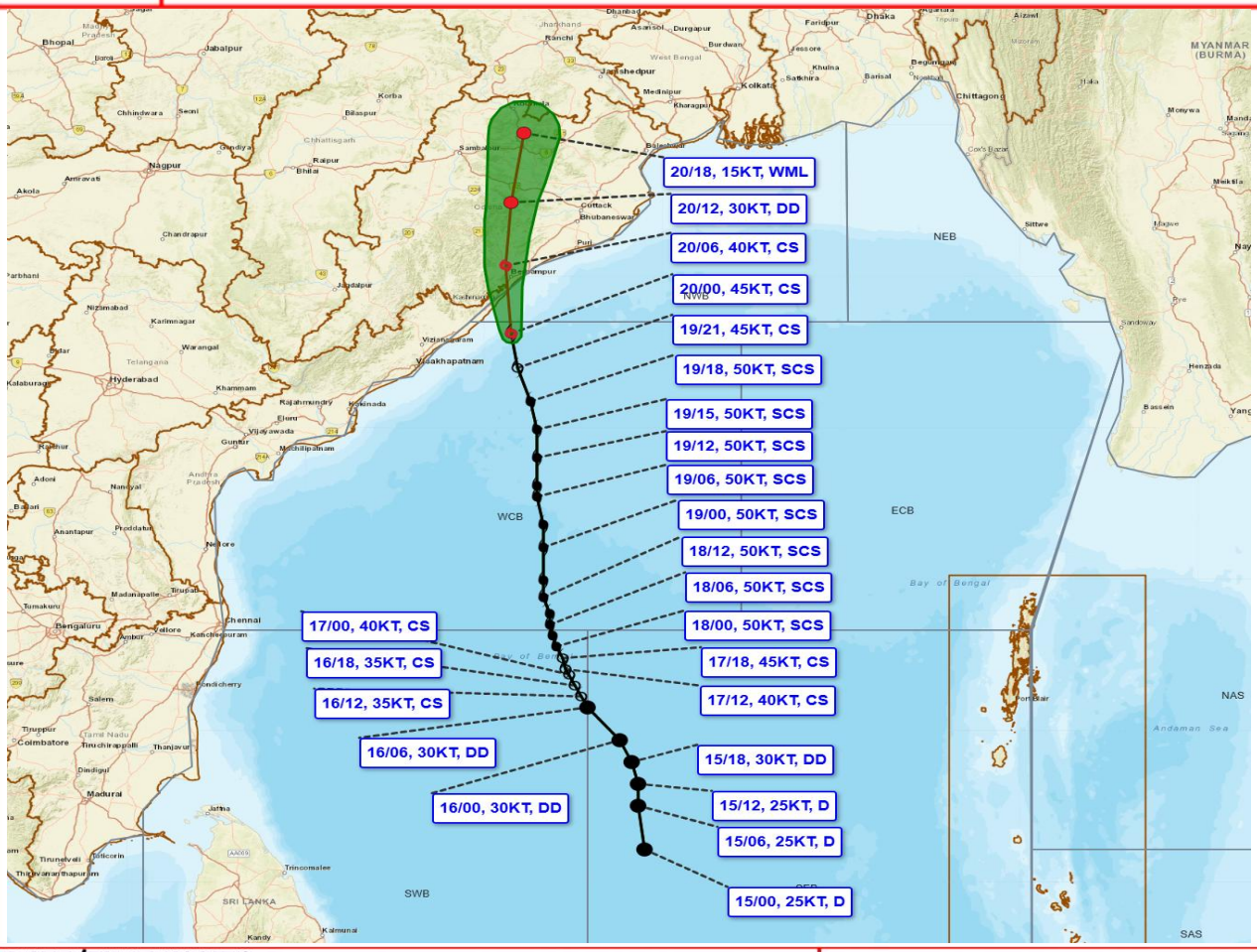
20-11-2026/(0015 to 0041) GMT
20-11-2026/(0545 to 0611) IST



DWR Gopalpur image at 0521 Hrs IST



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM "AKVAN" OVER WESTCENTRAL BAY OF BENGAL BASED ON 0000 UTC (0530 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)

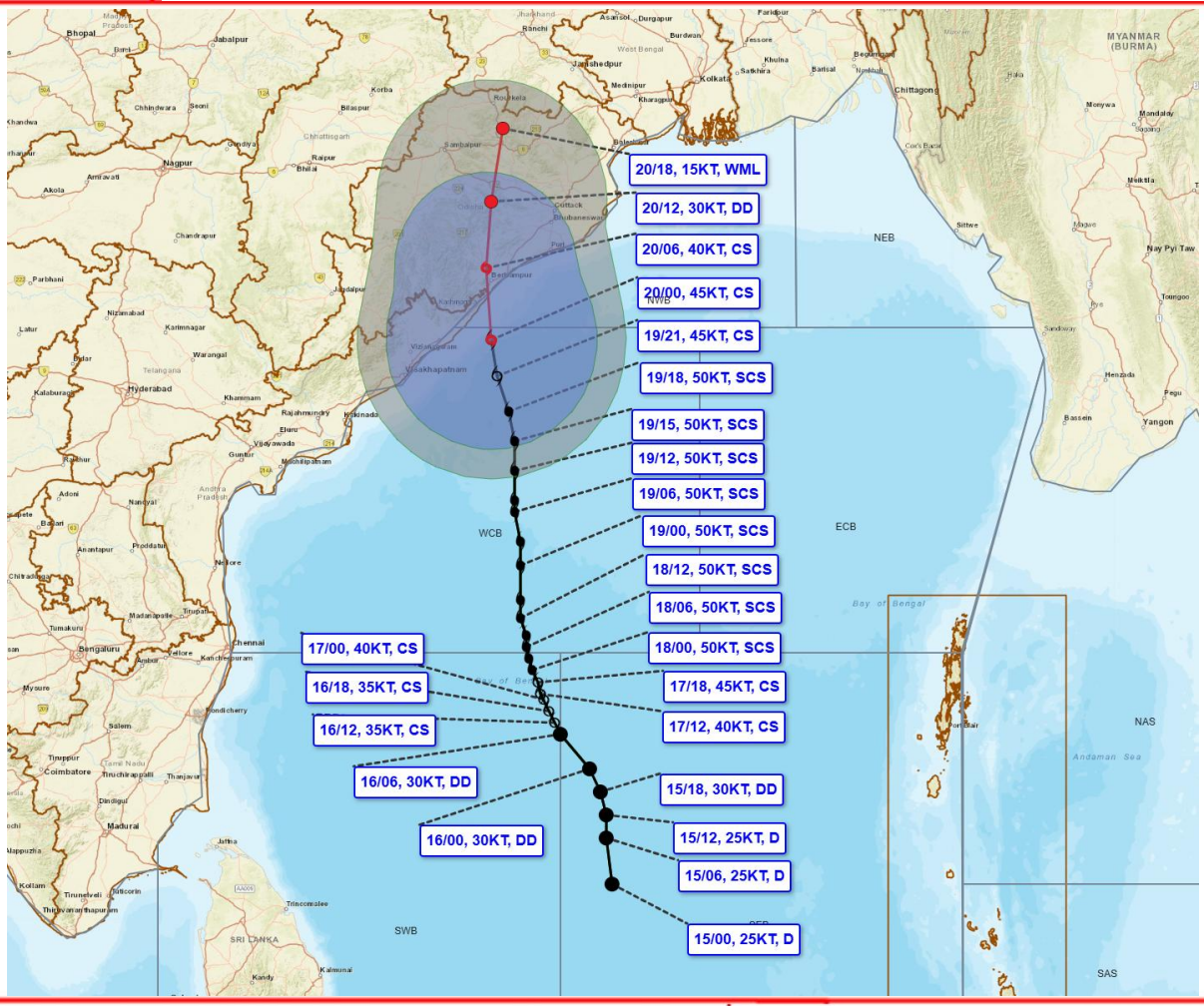
KT (knot) = NAUTICAL MILES PER HOUR (1 KT = 1.85 KMPH)

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 4 stations			
Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4
20.11.2026 00:00 UTC	0	18.3	84.8	KALINGAPATAM (70, E)	GOPALPUR (110, S)	VISAKHAPATNAM (170, ENE)	PURI (200, SSW)

OBSERVED AND FORECAST TRACK ALONG WITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "AKVAN" OVER WESTCENTRAL BAY OF BENGAL BASED ON 0000 UTC (0530 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

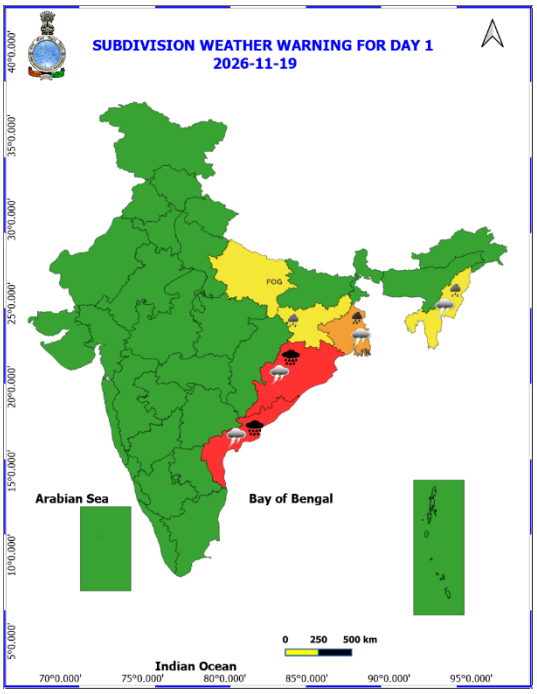
LESS THAN 34 KT
34-47 KT
≥ 48 KT
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY

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)

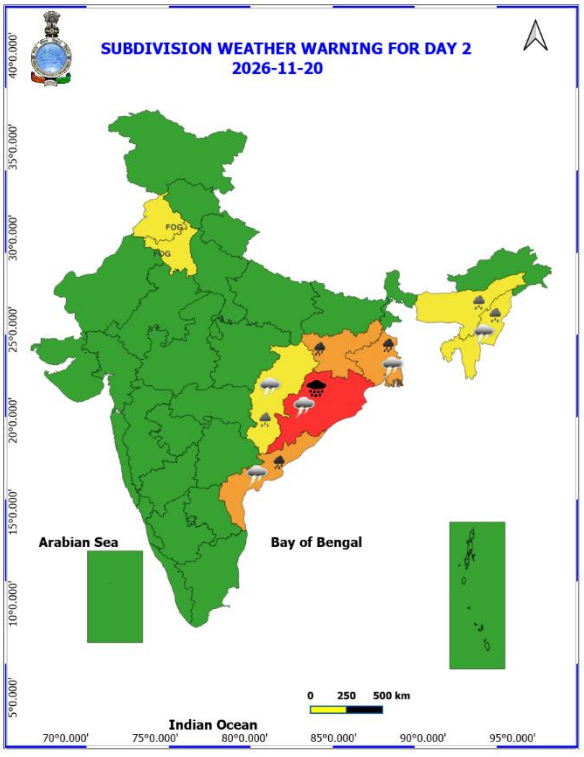
IMPACT OVER THE SEA

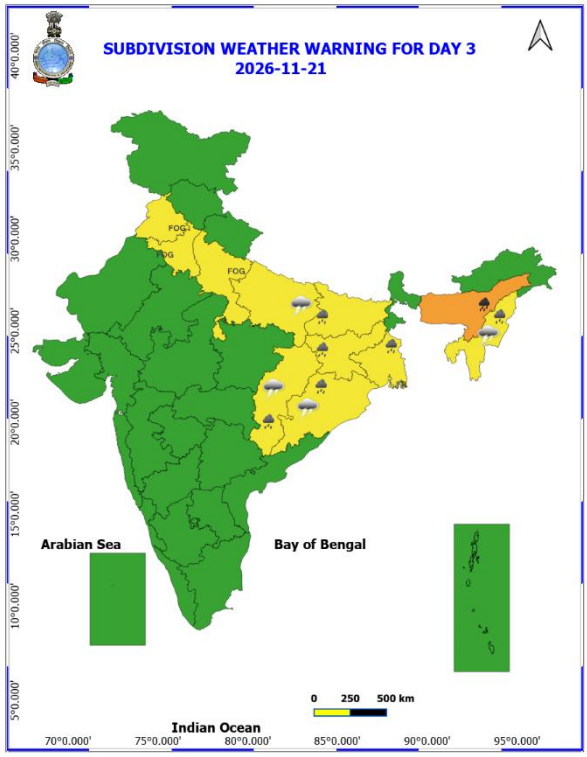
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

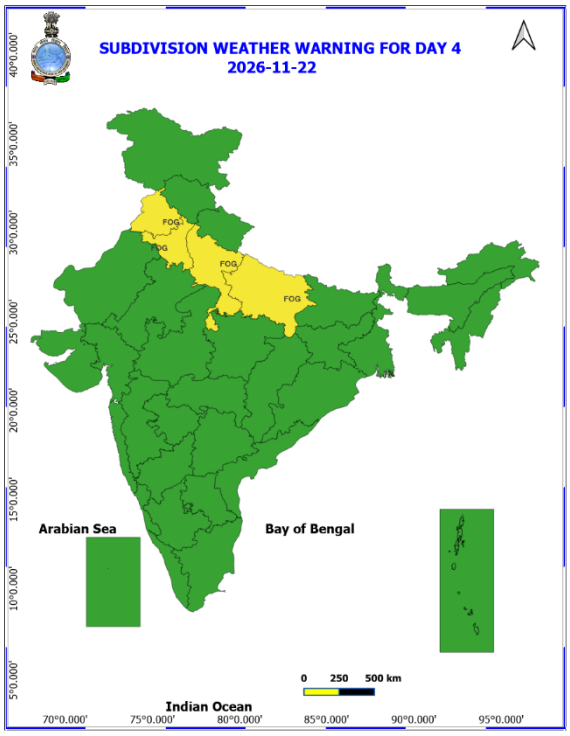
Weather Warning Graphics

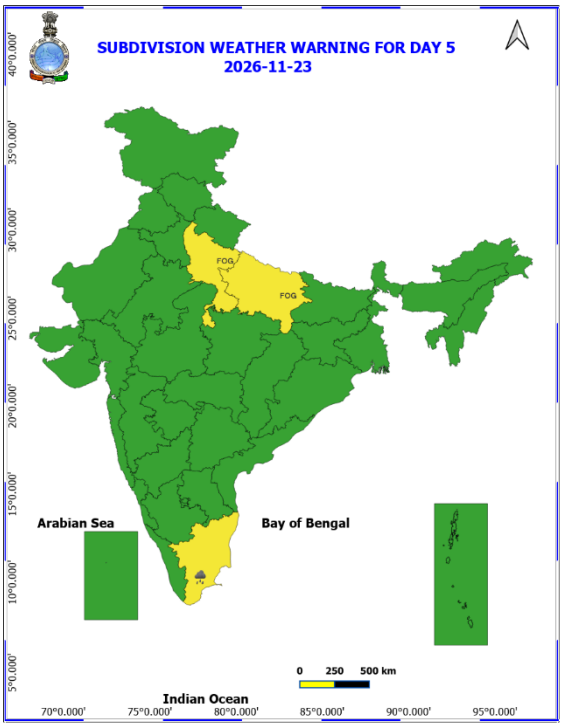


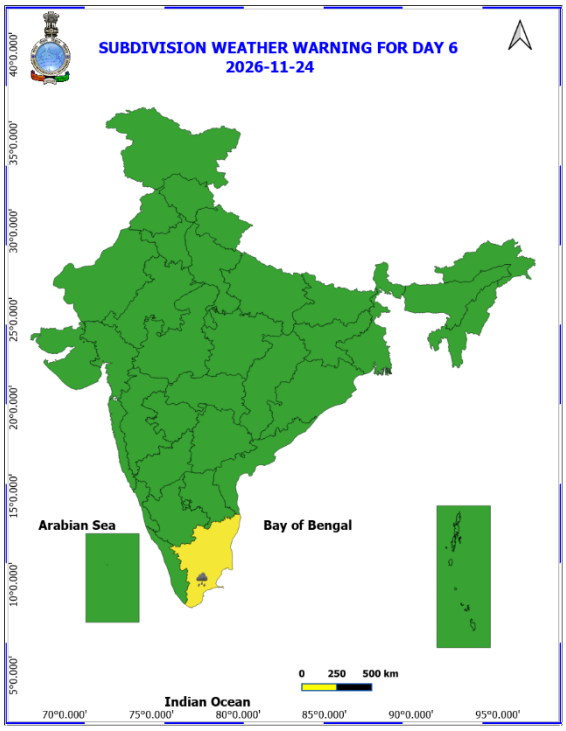


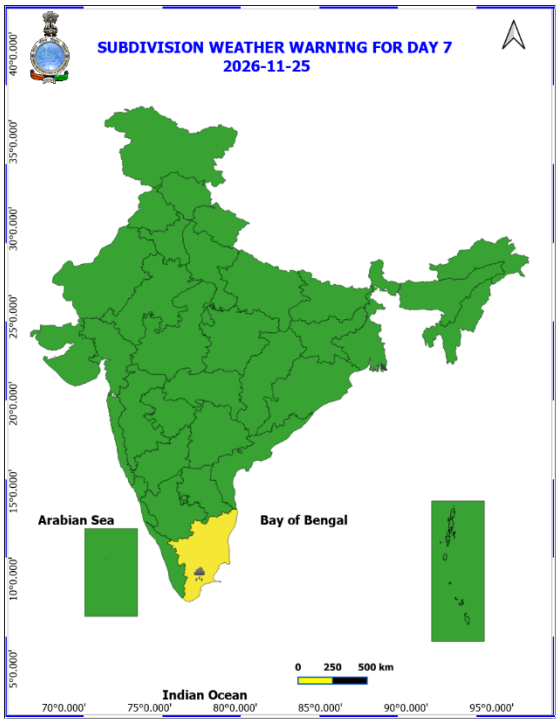





SUBDIVISION WEATHER WARNING FOR DAY 4
2026-11-22
FOG
FOG
FOG
FOG
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'

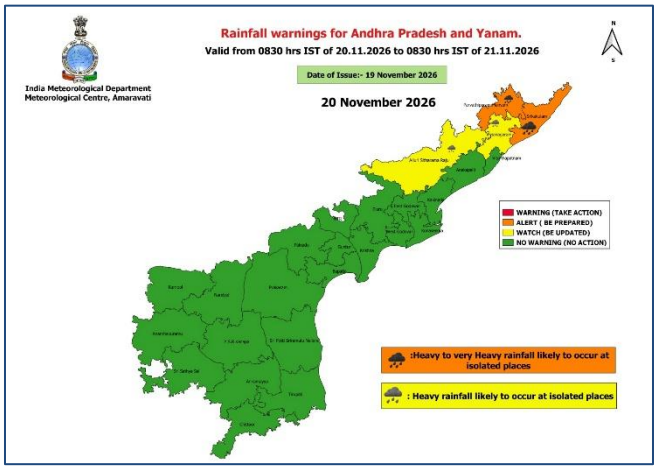

SUBDIVISION WEATHER WARNING FOR DAY 5
2026-11-23
FOG
FOG
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'


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'

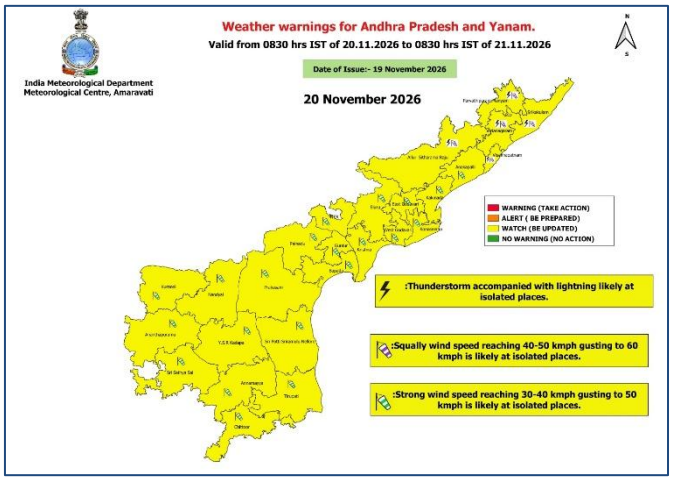

SUBDIVISION WEATHER WARNING FOR DAY 7
2026-11-25
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000'
35°0.000'
30°0.000'
25°0.000'
20°0.000'
15°0.000'
10°0.000'
5°0.000'
70°0.000'
75°0.000'
80°0.000'
85°0.000'
90°0.000'
95°0.000'

District-wise Weather Warning Maps

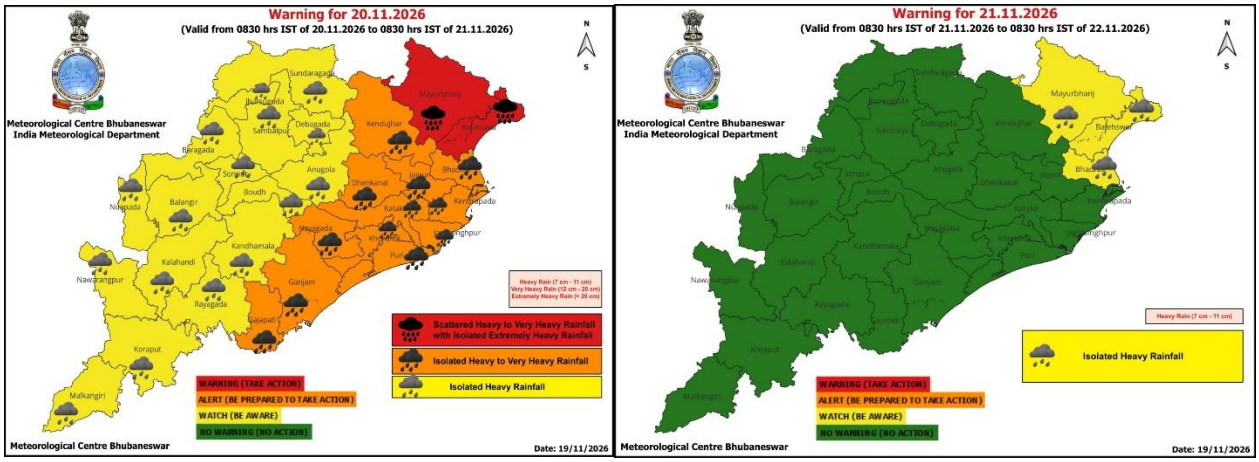
Andhra Pradesh Rainfall Warnings



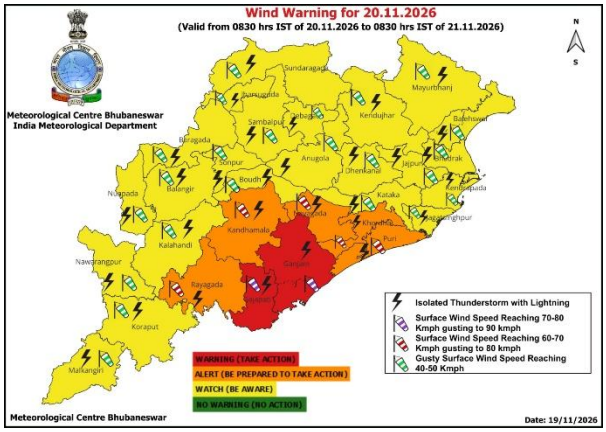
Andhra Pradesh wind warnings



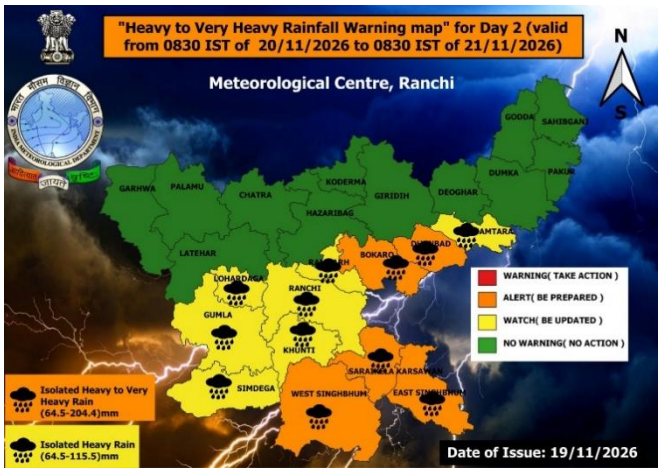
Odisha Rainfall Warning Maps

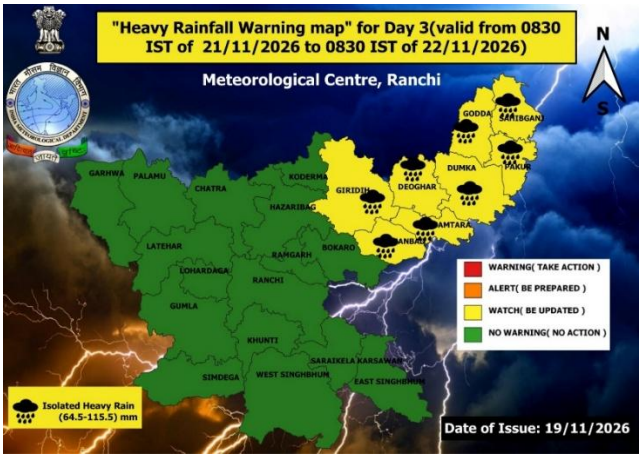


Odisha Wind Warning Maps

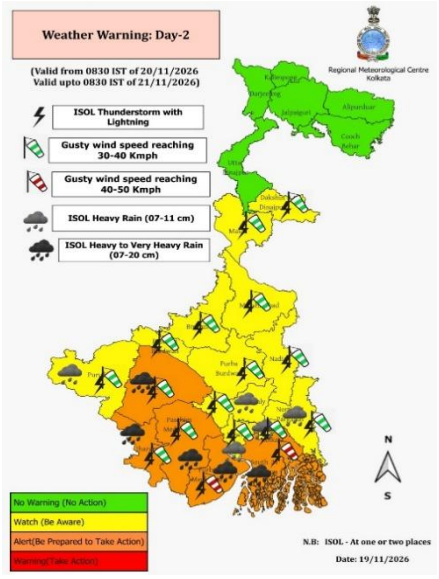


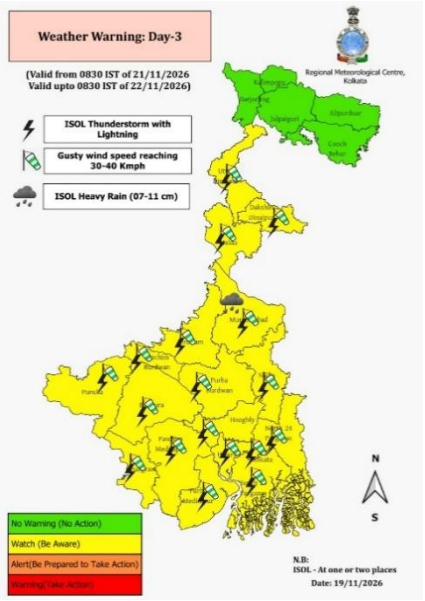
Jharkhand Rainfall Warnings



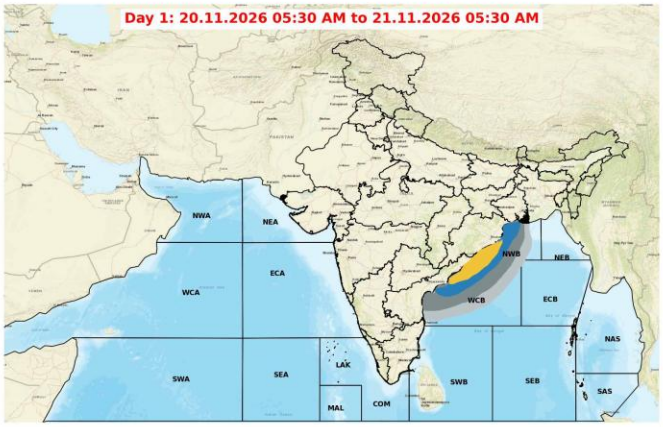


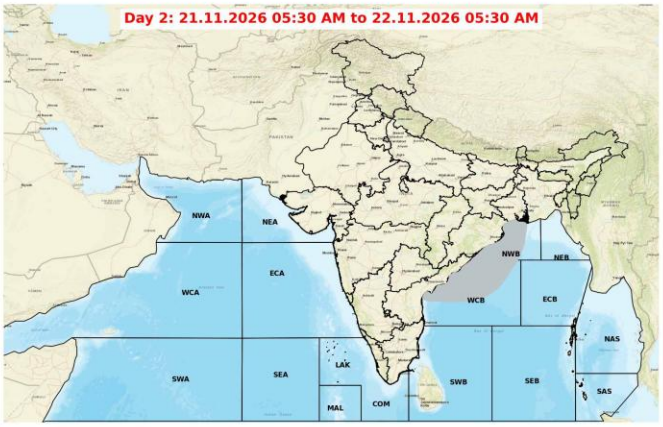
West Bengal Rainfall Warnings

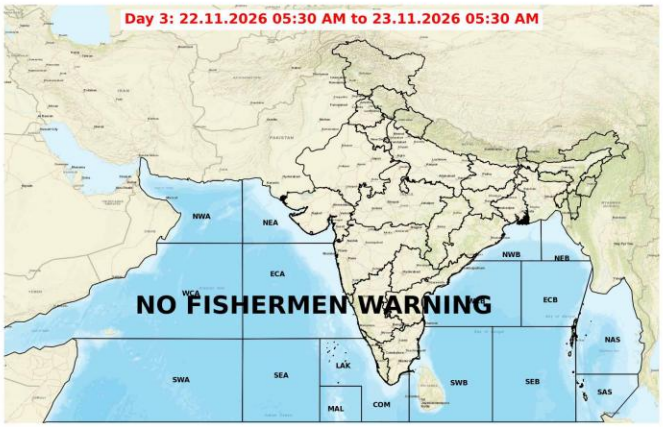


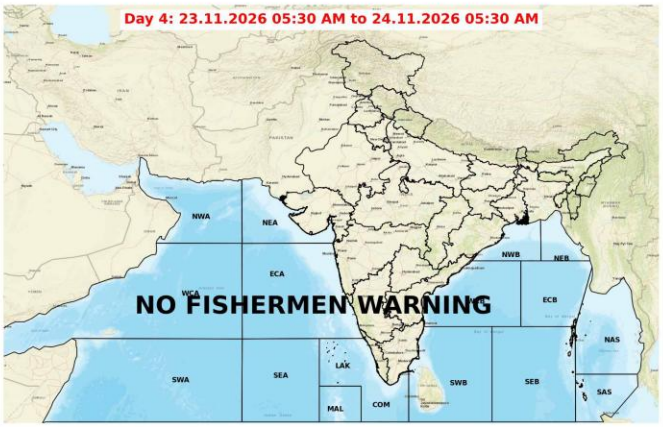


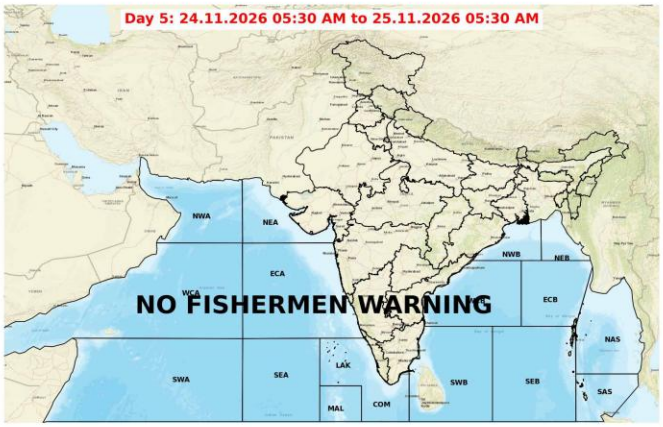
Fishermen Warning Graphics









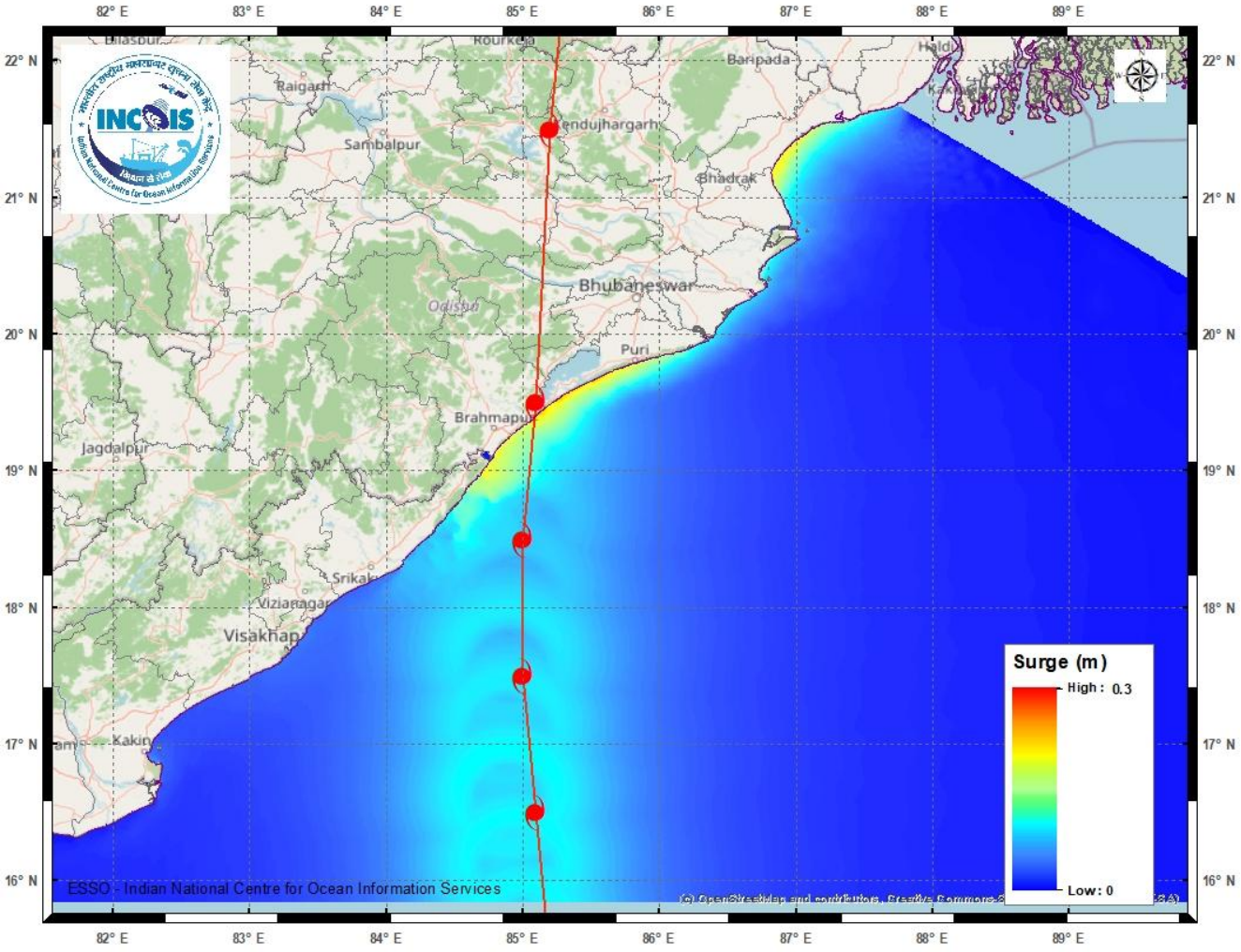


Legend

- Squally Weather with wind speed 35-45 kmph gusting to 55 kmph
- Squally Weather with wind speed 40-50 kmph gusting to 60 kmph
- Squally Weather with wind speed 45-55 kmph gusting to 65 kmph
- Squally wind with speed 45-55 kmph gusting to 65 kmph
- Squally wind with speed 50-60 kmph gusting to 70 kmph
- Squally wind with speed 55-65 kmph gusting to 75 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
- VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph
- ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph

Fishermen are advised not to venture into the marked areas.

Storm Surge Map

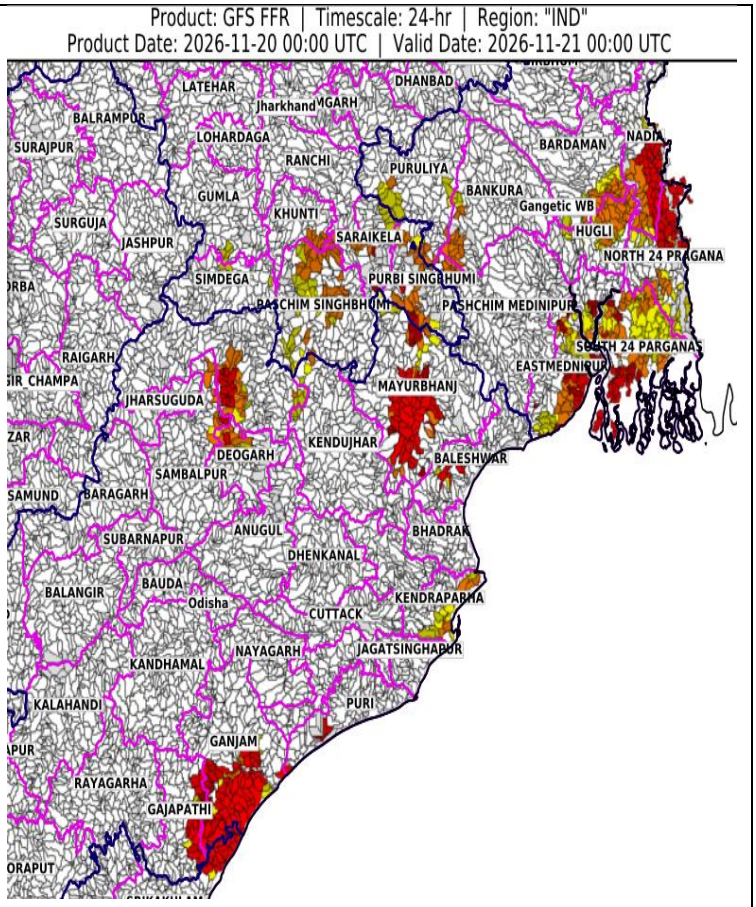


Flash Flood Risk (FFR) till 0530 IST of 21-11-2026:

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

Coastal Andhra Pradesh: Srikakulam district
Odisha: Gajapati, Ganjam, Jagatsinghpur, Kendrapara, Puri, Balasore, Keonjhargarh, Mayurbhanj, Sambalpur, Sundargarh and Deogarh districts
Gangetic West Bengal: Bankura, Purulia, West Midnapore, East Midnapore, Howrah, North 24 Parganas, South 24 Parganas, Hooghly, Nadia and Purba Bardhaman districts
Jharkhand: East Singhbhum, Seraikela-Kharsawan, West Singhbhum, Khunti, Ranchi, Simdega and Gumla 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