

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NUMBER: 16 (BOB/07/2021)

TIME OF ISSUE: 0145 HOURS IST DATED: 05.12.2021

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Sub: Deep Depression remnant of Cyclonic Storm 'JAWAD' over westcentral Bay of Bengal

The **Deep Depression remnant of Cyclonic Storm 'JAWAD'** (Pronounced as JOWAD) over westcentral Bay of Bengal moved north-northeastwards with a speed of 11 kmph during past 06 hours, and lay centered at 2330 hrs IST of 04th December 2021, over westcentral Bay of Bengal near Lat. 17.5°N and Long. 85.0°E, about 180 km east-southeast of Vishakhapatnam (Andhra Pradesh), 200 km south of Gopalpur (Odisha), 270 km south-southwest of Puri (Odisha) and 360 km south-southwest of Paradip (Odisha).

It is likely **to** move north-northeast wards, **weaken further into a Depression** by morning of 5th December and reach Odisha coast near Puri around noon of same day. Subsequently, it is likely to continue to move north-northeastwards along Odisha coast towards West Bengal coast and weaken into a well marked low pressure area during subsequent 12 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position	Maximum sustained surface	Category of cyclonic
	(Lat. ⁰N/ long. ºE)	wind speed (Kmph)	disturbance
04.12.21/2330	17.5/85.0	50-60 gusting to 70	Deep Depression
05.12.21/0530	18.4/85.4	40-50 gusting to 60	Depression
05.12.21/1130	19.3/86.0	40-50 gusting to 60	Depression
05.12.21/1730	20.0/86.6	35-45 gusting to 55	Depression
05.12.21/2330	20.8/87.4	30-40 gusting to 50	Low Pressure Area

Warnings:

(i) Rainfall (warning graphics enclosed)

5th Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over north Odisha & Gangetic West Bengal and heavy rainfall at isolated places over south Assam & Meghalaya, Mizoram and Tripura.

6th Dec.: Light to moderate rainfall at many places with **heavy rainfall at isolated places** likely over Assam & Meghalaya, Mizoram and Tripura.

(ii) Wind warning

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph prevails over westcentral Bay of Bengal. It would gradually decrease becoming 40-50 kmph gusting to 60 kmph over northwest and adjoining westcentral Bay of Bengal by morning 0f 5th December. It would decrease further becoming 35-45 gusting to 55 kmph over northwest Bay of Bengal by evening of 5th December.
- Squally winds speed reaching 45-55 kmph gusting to 65 kmph likely to prevail along & off North Andhra Pradesh coast till morning of 5th December and along & off Odisha coast till evening of the same day.
- Squally wind speed reaching 35-45 kmph gusting to 55 kmph also likely to commence along & off West Bengal coast till evening of 5th December.

(iii) Sea condition

 Rough to very rough Sea conditions likely to prevail over northwest & adjoining westcentral Bay of Bengal and along & off North Andhra Pradesh – Odisha & West Bengal coasts during next 24 hours.

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into westcentral & northwest Bay of Bengal and along & off north Andhra Pradesh-Odisha-West Bengal coasts during next 24 hours.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along north Andhra Pradesh, Odisha & West Bengal coasts are advised to be suspended till morning of 05th December 2021 to ensure safety of life & property.

(vi) EXPECTED IMPACT & ACTION SUGGESTED (For Gajapati, Ganjam, Puri, Khurda, Cuttack, Jagatsinghpur & Kendrapara districts of Odisha) during next 12 hours.

A. Impact Expected

- > Breaking of tree branches.
- ➤ Localized Flooding, water logging and inundation in low lying areas due to Heavy rain.
- Disruption of traffic in roads of major cities due to water logging leading to delayed travel.
- Minor damage to kutcha roads.
- > Damage to horticulture and standing crops in some areas due to inundation. Damage to banana, Papaya & Moring (Drumstick) trees due to strong winds.

B. Action Suggested

- Fishermen are advised not to venture into westcentral & northwest Bay of Bengal and along & off north Andhra Pradesh-Odisha-West Bengal coasts during next 24 hours.
- > Check for traffic congestion on your route due to heavy rain 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.
- Stay in safe places.

Next Bulletin will be issued at 0830 hrs IST of today, the 05th December 2021.

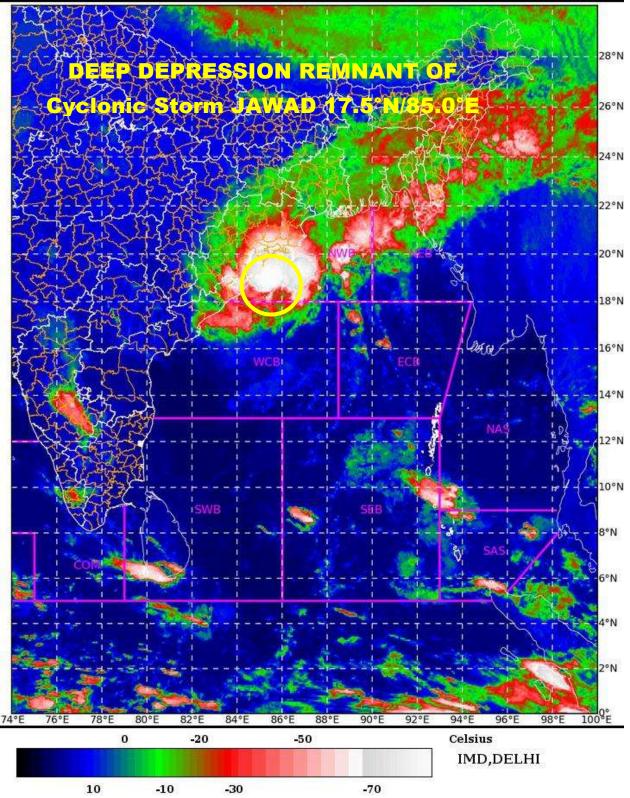
(Ananda Kumar Das) Scientist-E, RSMC, New Delhi

Copy to: ACWC Kolkata/ CWC Vishakhapatnam/CWC Bhubaneswar/RMC Guwahati *LEGEND*: **Heavy Rainfall**: 64.5 to 115.5mm, **Very Heavy Rainfall**: 115.6 to 204.4mm **Most Places**: more than 76% of total stations, **Isolated Places**: Less than 25% of total stations

04-12-2021/(1900 to 1926) GMT 05-12-2021/(0030 to 0056) IST

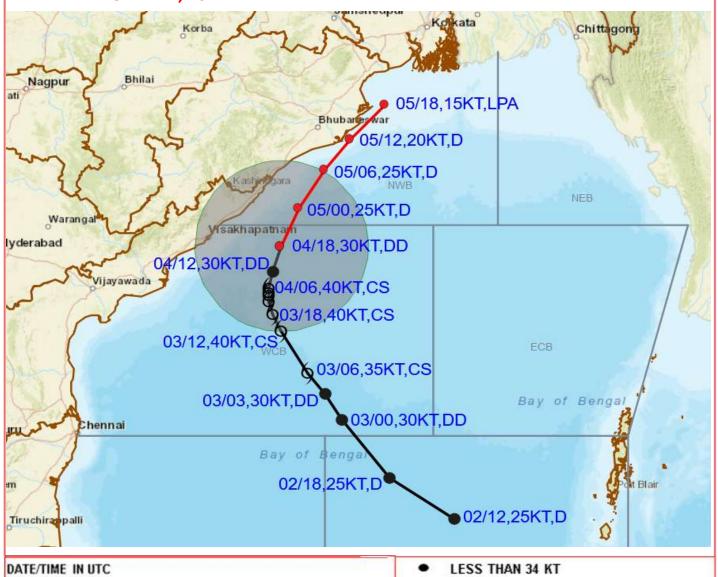


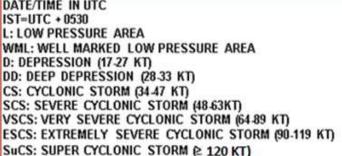
L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER WESTCENTRAL BAY OF BENGAL BASED ON 1800 UTC OF 4th DECEMBER, 2021





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)

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



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER WESTCENTRAL BAY OF BENGAL BASED ON 1800 UTC OF 4th DECEMBER, 2021





L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

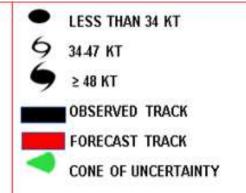
DD: DEEP DEPRESSION (28-33 KT) CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

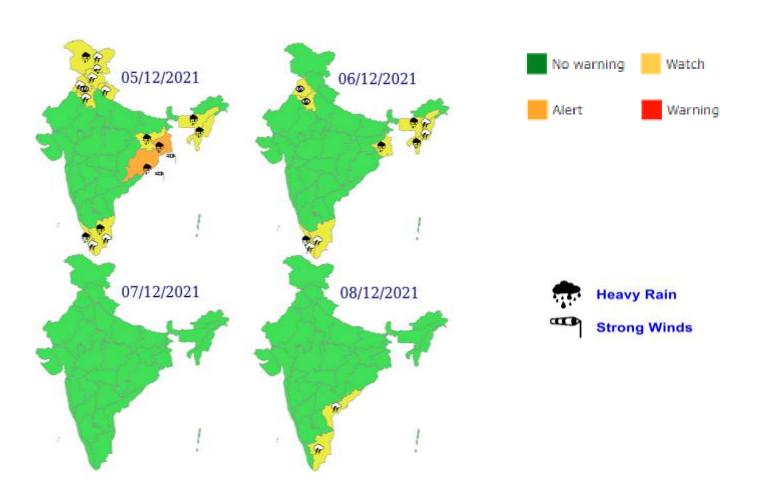
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)



Sub-division wise heavy rainfall warning for next 5 days



Fishermen Warning Graphics

INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

