



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

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Sub: Deep Depression (remnant of Cyclonic Storm 'JAWAD') weakened into a Depression over northwest Bay of Bengal near Odisha coast

The Deep Depression (remnant of Cyclonic Storm 'JAWAD') over northwest and adjoining westcentral Bay of Bengal moved north-northeastwards with a speed of 18 kmph during past 06 hours, **weakened into a Depression** and lay centered at 1430 hrs IST of today, the 05th December 2021, over northwest Bay of Bengal close to Odisha coast near Lat. 19.5°N and Long. 86.2°E, about 50 km southeast of Puri (Odisha), 100 km south-southwest of Paradip (Odisha), 130 km east-northeast of Gopalpur (Odisha), and 370 km north-northeast of Vishakhapatnam (Andhra Pradesh).

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 next 12 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
05.12.21/1430	19.5/86.2	45-55 gusting to 65	Depression
05.12.21/1730	19.9/86.6	45-55 gusting to 65	Depression
05.12.21/2330	20.6/87.3	30-40 gusting to 50	Well Marked Low

Warnings:

(i) Rainfall (warning graphics enclosed)

5th Dec.: Light to moderate rainfall at most places with **heavy to very heavy rainfall at isolated places** likely over north coastal & adjoining areas of Odisha & Gangetic West Bengal.

6th Dec.: Light to moderate rainfall at many places with **heavy to very heavy rainfall at isolated places** likely over south Assam & Meghalaya, Mizoram and Tripura and **heavy rainfall at isolated places** over eastern districts of Gangetic West Bengal.

(ii) Wind warning

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph will prevail over northwest Bay of Bengal and along & off Odisha – West Bengal coasts during next 12 hours. It would gradually decrease becoming 30-40 kmph gusting to 50 kmph over northwest Bay of Bengal during the subsequent 12 hours.

(iii) Sea condition

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

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into northwest Bay of Bengal, along & off Odisha-West Bengal coasts during next 24 hours.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along & off Odisha & West Bengal coasts are advised to be regulated till evening of today, the 05th December 2021.

(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 & Moringa (Drumstick) trees due to strong winds.

B. Action Suggested

- Fishermen are advised not to venture into northwest & adjoining westcentral Bay of Bengal, along & off Odisha-West Bengal coasts during next 24 hours and along and off north Andhra Pradesh during next 12 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 2030 hrs IST of today, the 05th December 2021.

(Sunitha Devi. S)
Scientist-F, 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

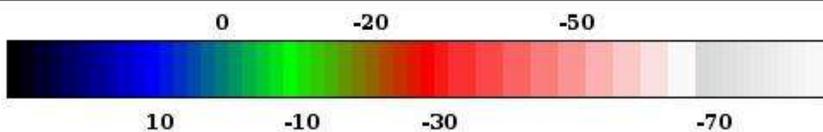
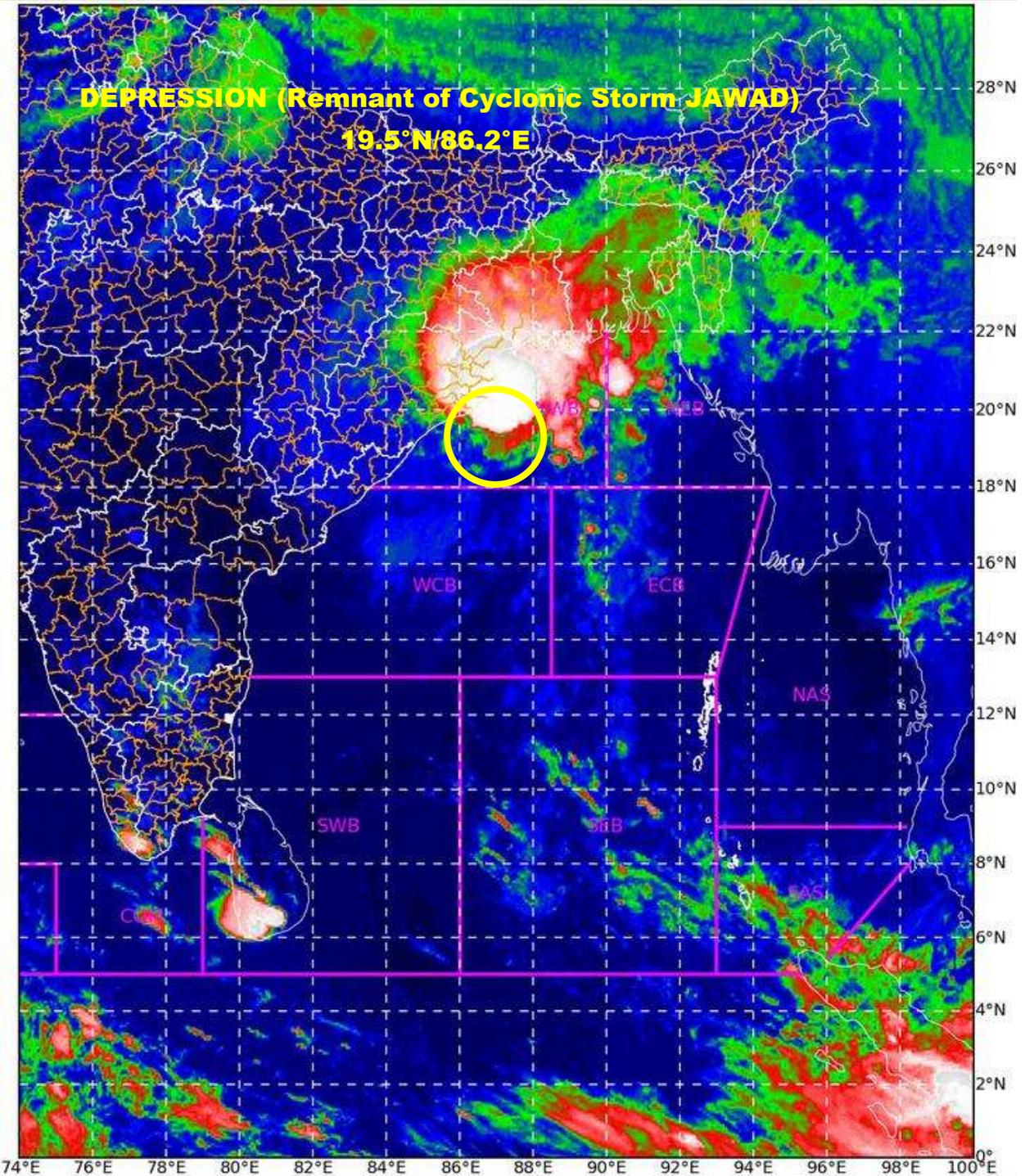
SAT : INSAT-3D IMG

05-12-2021/(1030 to 1056) GMT

IMG_TIR1_TEMP 10.8 um

05-12-2021/(1600 to 1626) IST

L1C Mercator



Celsius
IMD, DELHI



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER NORTHWEST BAY OF BENGAL NEAR ODISHA COAST BASED ON 0900 UTC OF 5th DECEMBER, 2021



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 (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

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



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER NORTHWEST BAY OF BENGAL NEAR ODISHA COAST BASED ON 0900 UTC OF 5th DECEMBER, 2021



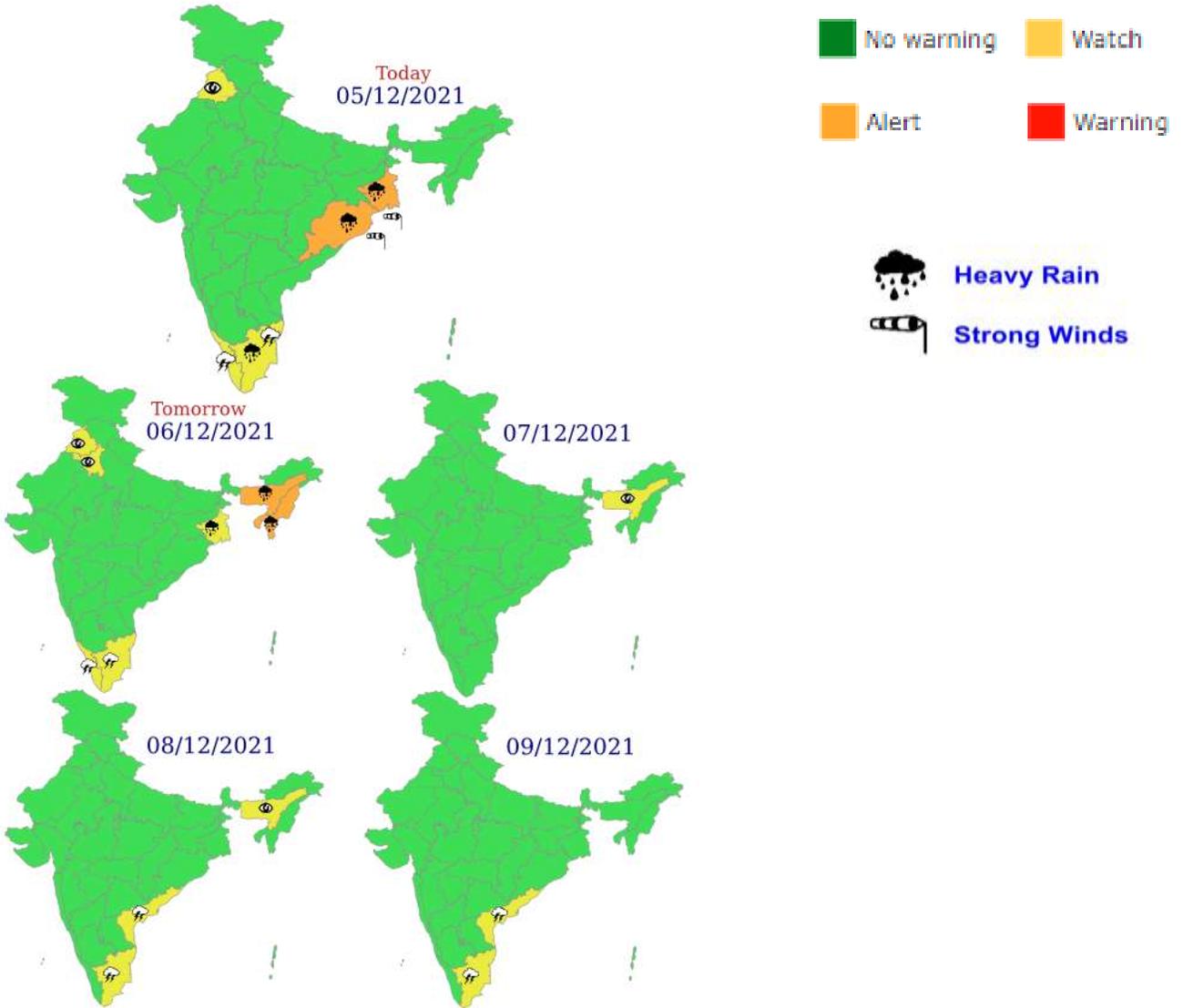
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 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

● LESS THAN 34 KT
 ○ 34-47 KT
 ● \geq 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)
 ■ \geq 64 KT (\geq 118 KMPH)

IMPACT OVER THE SEA

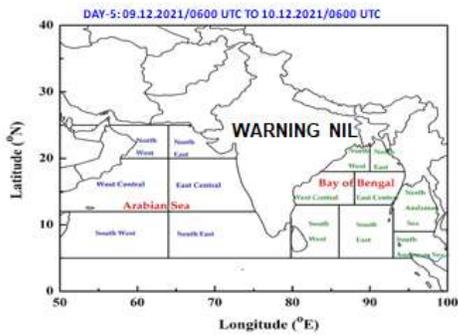
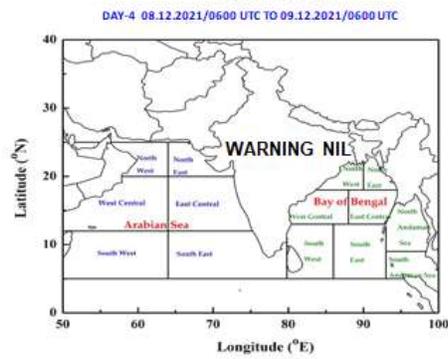
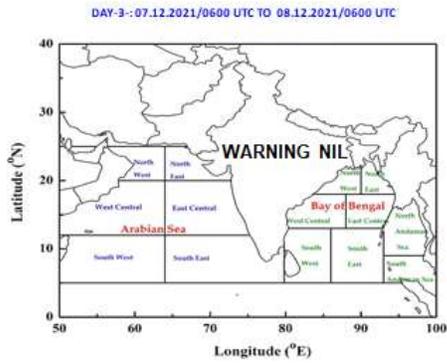
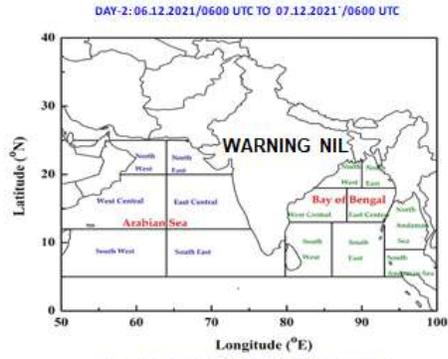
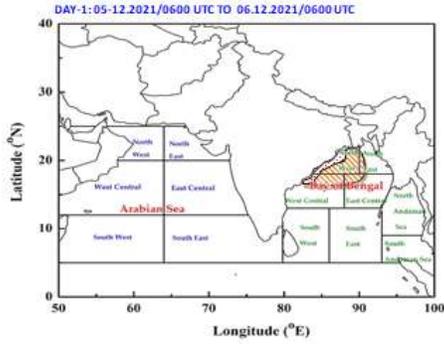
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing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

Meteorological Sub-division-wise Multi- hazard weather warning map for next 5 days



Fishermen Warning Graphics

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



AREA UNDER FISHERMEN WARNING

-  40-50 KMPH G TO 60 KMPH (SQ.WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH G TO 70 KMPH
-  60-70 KMPH G TO 80 KMPH
-  70-80 KMPH G TO 90 KMPH
-  80-90 KMPH G TO 95 KMPH
-  90-100 KMPH G TO 110 KMPH