



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE - 3

Time of issue: 1300 hours IST

Dated: 05-12-2021

Sub: Cyclonic Storm 'JAWAD' weakened into a deep depression

Yesterday's cyclonic storm "JAWAD" over westcentral Bay of Bengal (BoB) moved northwards and weakened into a deep depression over westcentral BoB in the same evening (1730 hours IST of 4th December). Thereafter, it moved north-northeastwards and lay centered over northwest & adjoining westcentral BoB at 0830 hours IST of today, the 05th December 2021, over northwest and adjoining westcentral Bay of Bengal near Lat. 18.7°N and Long. 85.6°E, about 270 km east-northeast of Vishakhapatnam (Andhra Pradesh), 90 km east-southeast of Gopalpur (Odisha), 120 km south-southwest of Puri (Odisha) and 210 km south-southwest of Paradip (Odisha).

It is likely to move north-northeastwards, **weaken further into a Depression** and reach Odisha coast near Puri during next 6 hours. 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 around mid-night of 5th December 2021.

Coastal Odisha received heavy to very heavy rainfall during past 24 hours ending at 0830 hrs IST of today, the 5th December 2021. (Some of the significant amounts are enlisted under Annexure).

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
05.12.21/0830	18.7/85.6	50-60 gusting to 70	Deep Depression
05.12.21/1130	19.2/85.9	50-60 gusting to 70	Deep Depression
05.12.21/1730	19.9/86.5	40-50 gusting to 60	Depression
05.12.21/2330	20.7/87.3	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. **Heavy rainfall at** isolated places is also likely over south coastal Odisha during next 12 hours.

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 50-60 kmph gusting to 70 kmph prevails over northwest and adjoining westcentral Bay of Bengal. It would gradually decrease becoming 40-50

Contact: Cyclone Warning Division, Office of the Director General of Meteorology,
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Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

kmph gusting to 60 kmph over northwest and adjoining westcentral Bay of Bengal by evening of today, the 5th December. It would decrease further becoming 30-40 kmph gusting to 50 kmph over northwest Bay of Bengal by night of today, the 5th December.

- Squally winds speed reaching 45-55 kmph gusting to 65 kmph likely to prevail along & off North Andhra Pradesh coast during next 06 hours and along & off Odisha – West Bengal coasts during next 24 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 and adjoining west-central Bay of Bengal and along & off North Andhra Pradesh coast during next 12 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 and adjoining west-central Bay of Bengal along & off north Andhra Pradesh coast during next 12 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 kutchha 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.

The system is under continuous surveillance and the concerned state governments are being informed regularly.

Kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in for regular updates.

Annexure

Realised rainfall (in mm) over Odisha during past 24 hours ending at 0830 hrs IST of today, the 5th December 2021.

Station	District	Rainfall (mm)
Khalikot	Ganjam	158.0
Nayagarh	Nayagarh	107.5
Chhatrapur	Ganjam	86.6
Banpur	Khurda	81.0
Polasara	Ganjam	71.8
Kodala	Ganjam	71.4
Ganjam	Ganjam	68.0
Erasama	Jagatsinghpur	68.0
Rajnagar	Kendrapara	65.0

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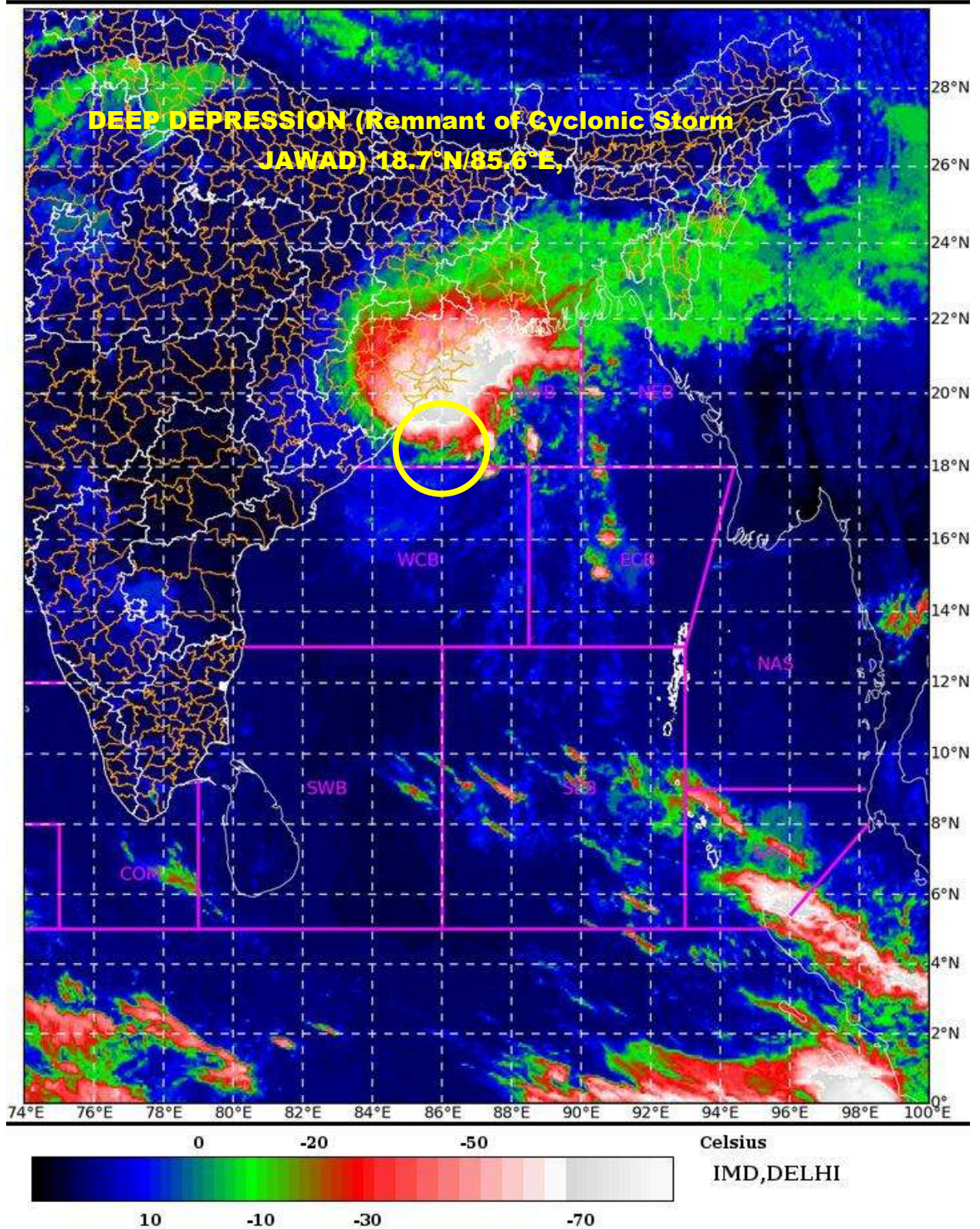
SAT : INSAT-3D IMG

05-12-2021/(0530 to 0557) GMT

IMG_TIR1_TEMP 10.8 um

05-12-2021/(1100 to 1127) IST

L1C Mercator



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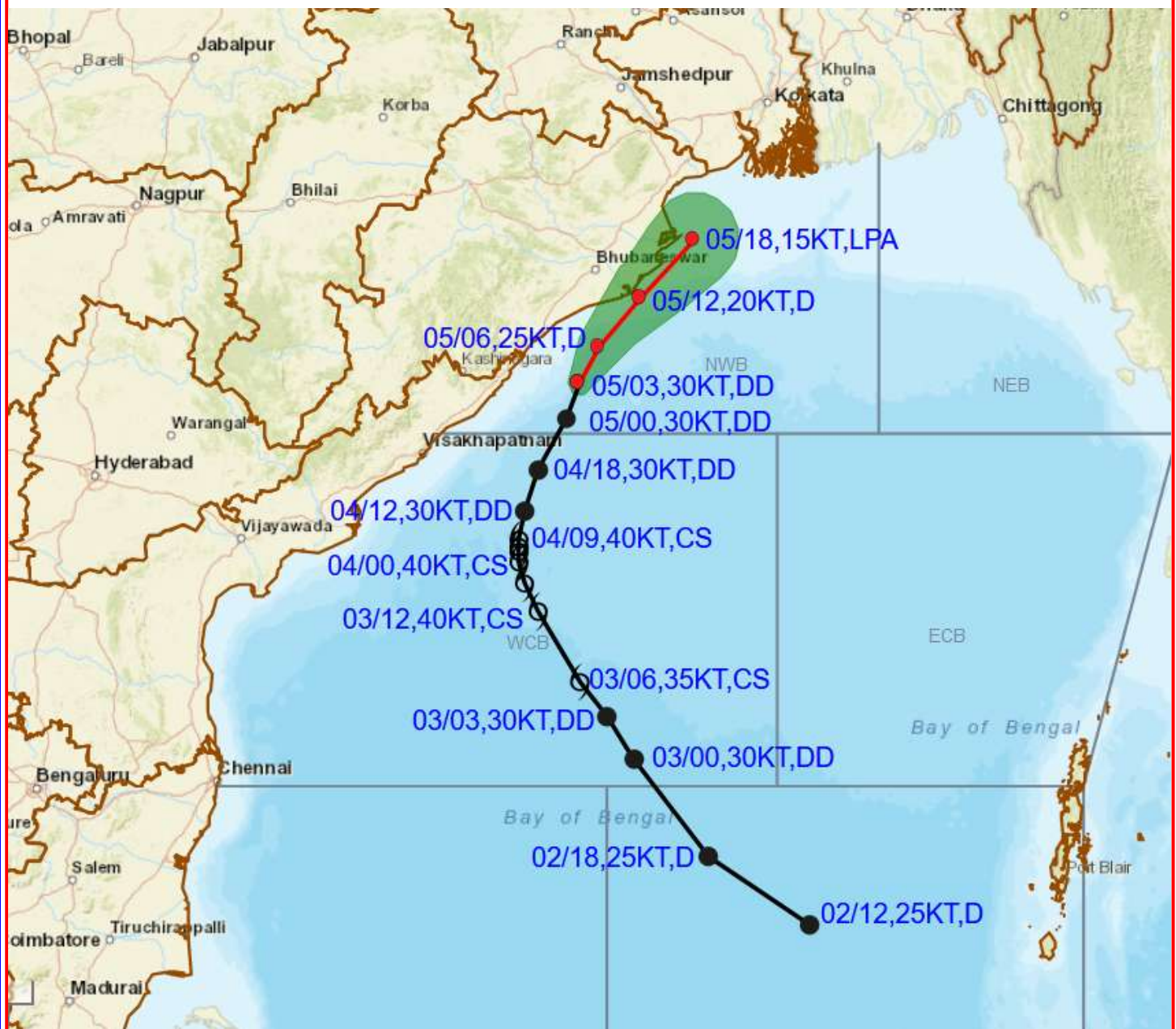
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OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER NORTHWEST ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC OF 5th DECEMBER, 2021



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 (\geq 120 KT)

- LESS THAN 34 KT
- 34-47 KT
- ⊙ \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY

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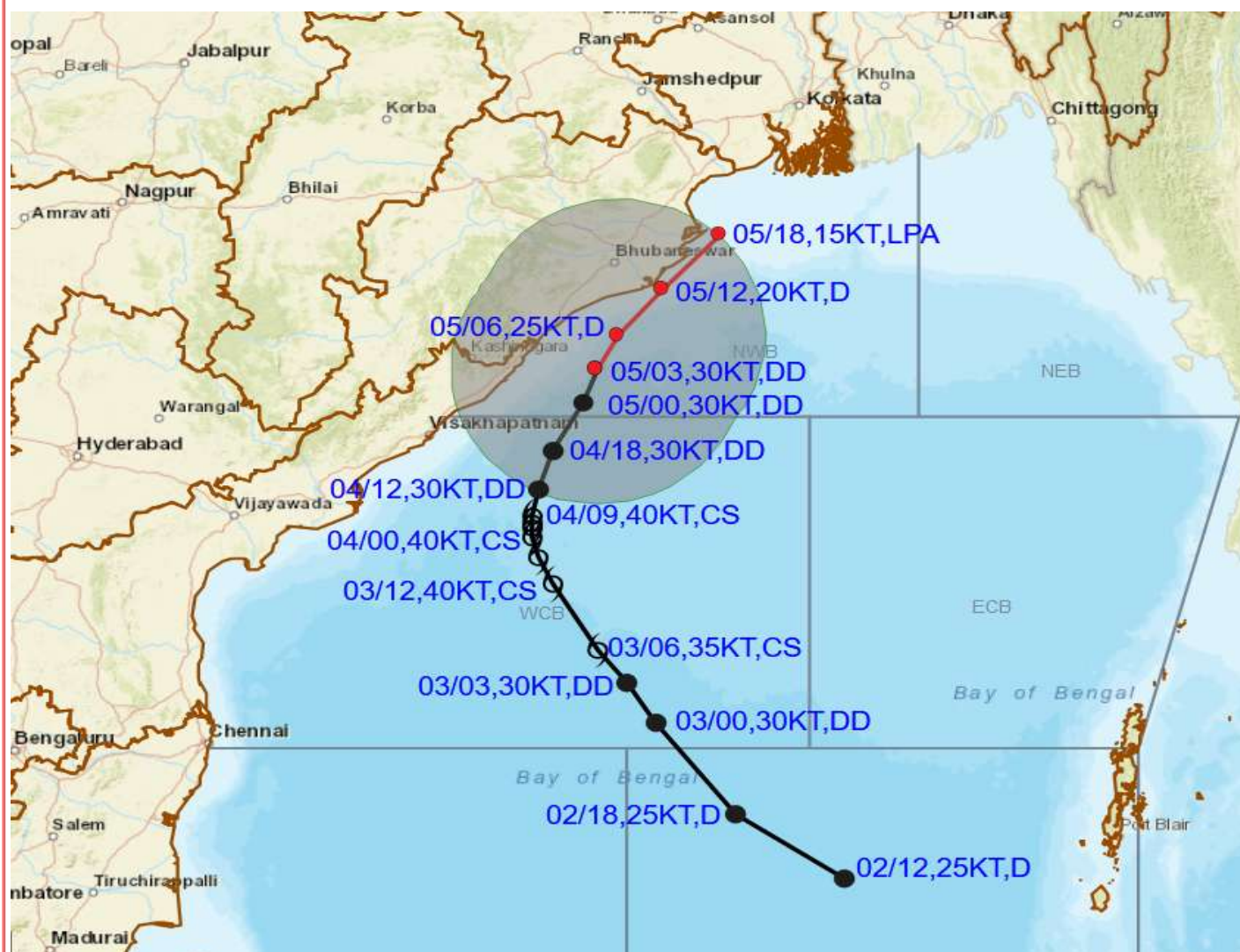
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OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMANANT OF CYCLONIC STORM 'JAWAD') OVER NORTHWEST ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC OF 5th DECEMBER, 2021



DATE/TIME IN UTC

IST=UTC + 0530

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● 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 (\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

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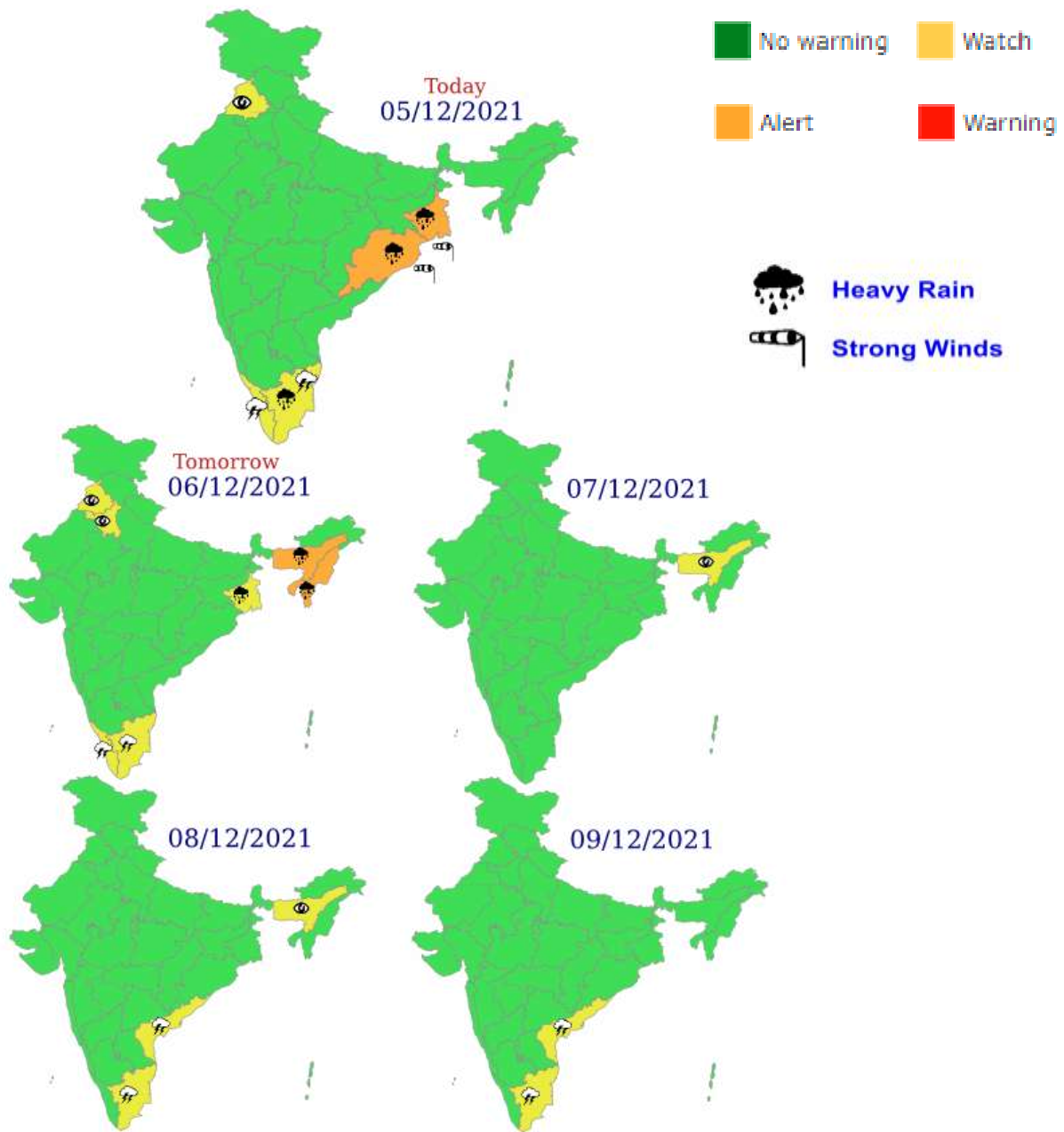
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Meteorological Sub-division-wise Multi- hazard weather warning map for next 5 days



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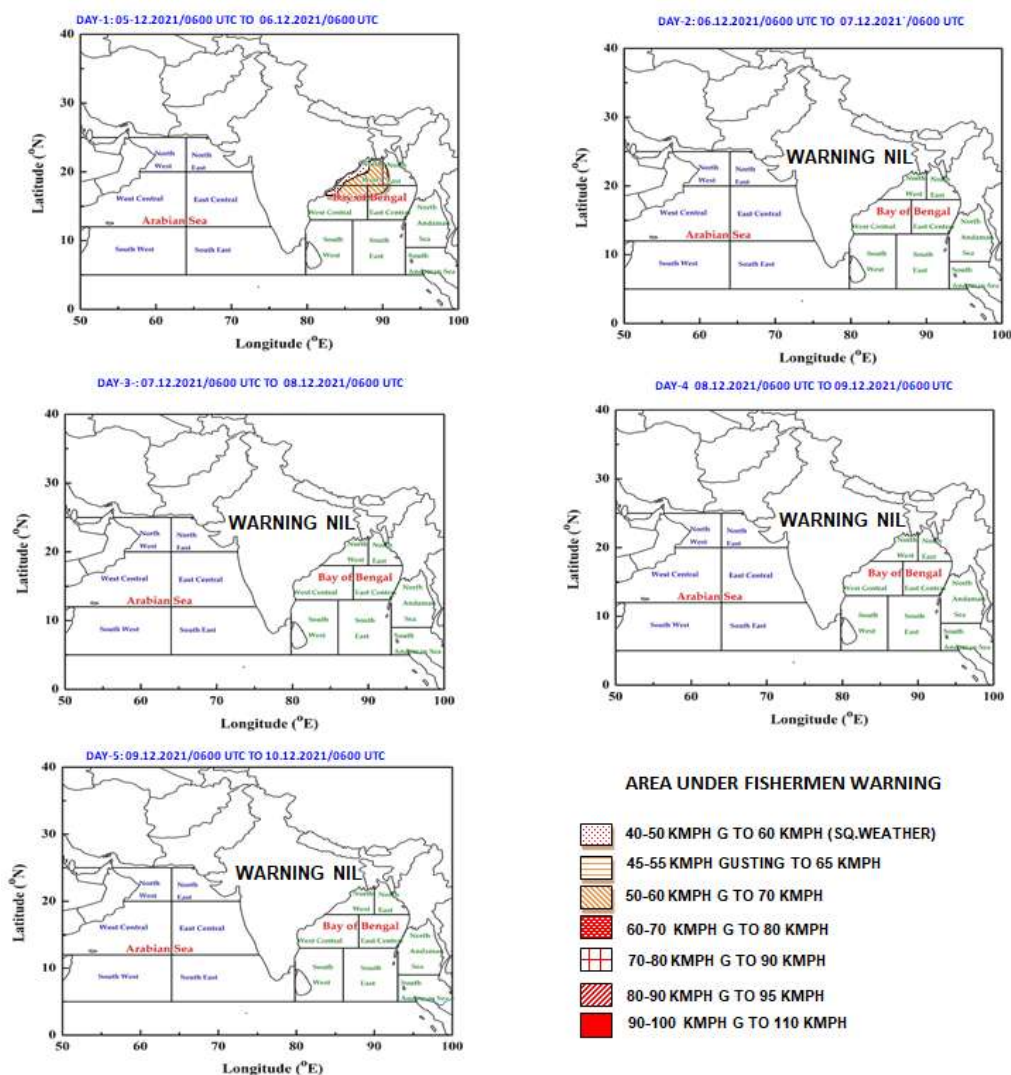
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Fishermen Warning Graphics

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



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