



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

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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, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)
CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)
CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (FAX NO. 033-22144328)
CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)
CHIEF SECRETARY, ASSAM (FAX NO. 0361-2260900)
CHIEF SECRETARY, MEGHALAYA (FAX NO 0364-2225978)
CHIEF SECRETARY, MIZORAM (FAX NO 0389-2322745)
CHIEF SECRETARY, TRIPURA (FAX NO 0381-2414013)**

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

The **Depression (remnant of Cyclonic Storm 'JAWAD')** over **northwest Bay of Bengal near Odisha coast** moved northeastwards with a speed of 25 kmph during past 06 hours, and lay centered at 1730 hrs IST of today, the 05th December 2021, over northwest Bay of Bengal close to Odisha coast near Lat. 20.1°N and Long. 86.9°E, about 30 km southeast of Paradip (Odisha), 120 km east-northeast of Puri (Odisha) and 210 south-southwest of Sagar Island(West Bengal)

It is likely to move northeastwards, 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
05.12.21/1730	20.1/86.9	45-55 gusting to 65	Depression
05.12.21/2330	20.7/87.5	40-50 gusting to 60	Depression
06.12.21/0530	21.3/88.1	30-40 gusting to 50	Well Marked Low

Warnings:

(i) Rainfall (warning graphics enclosed)

5th Dec.: Light to moderate rainfall at many places with **heavy rainfall at isolated places** likely over north coastal Odisha and heavy to very heavy rainfall at isolated places over 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 north Odisha – West Bengal coasts till mid night becoming 40-50 kmph gusting to 60 kmph during mid night to tomorrow morning. Thereafter, it would gradually decrease becoming 30-40 kmph gusting to 50 kmph over north Bay of Bengal off West Bengal-Bangladesh coast 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 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 till 6th December morning.

(v) Action Suggested

- Fishermen are advised not to venture into northwest Bay of Bengal, along & off Odisha- West Bengal coasts till 6th December morning.
- 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 0230 hrs IST of today, the 06th December 2021.

(R K Jenamani)
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

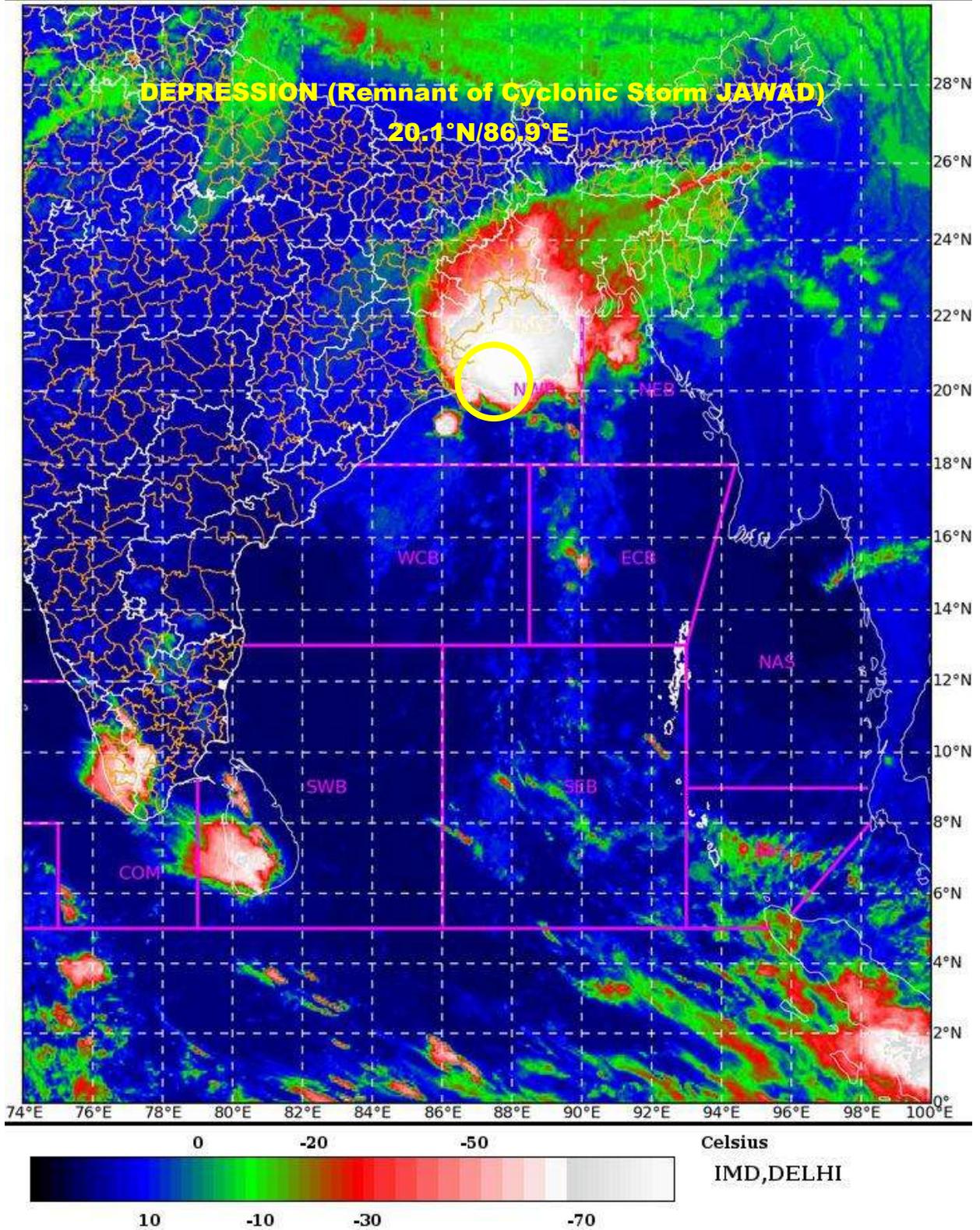
SAT : INSAT-3D IMG

05-12-2021/(1330 to 1356) GMT

IMG_TIR1_TEMP 10.8 um

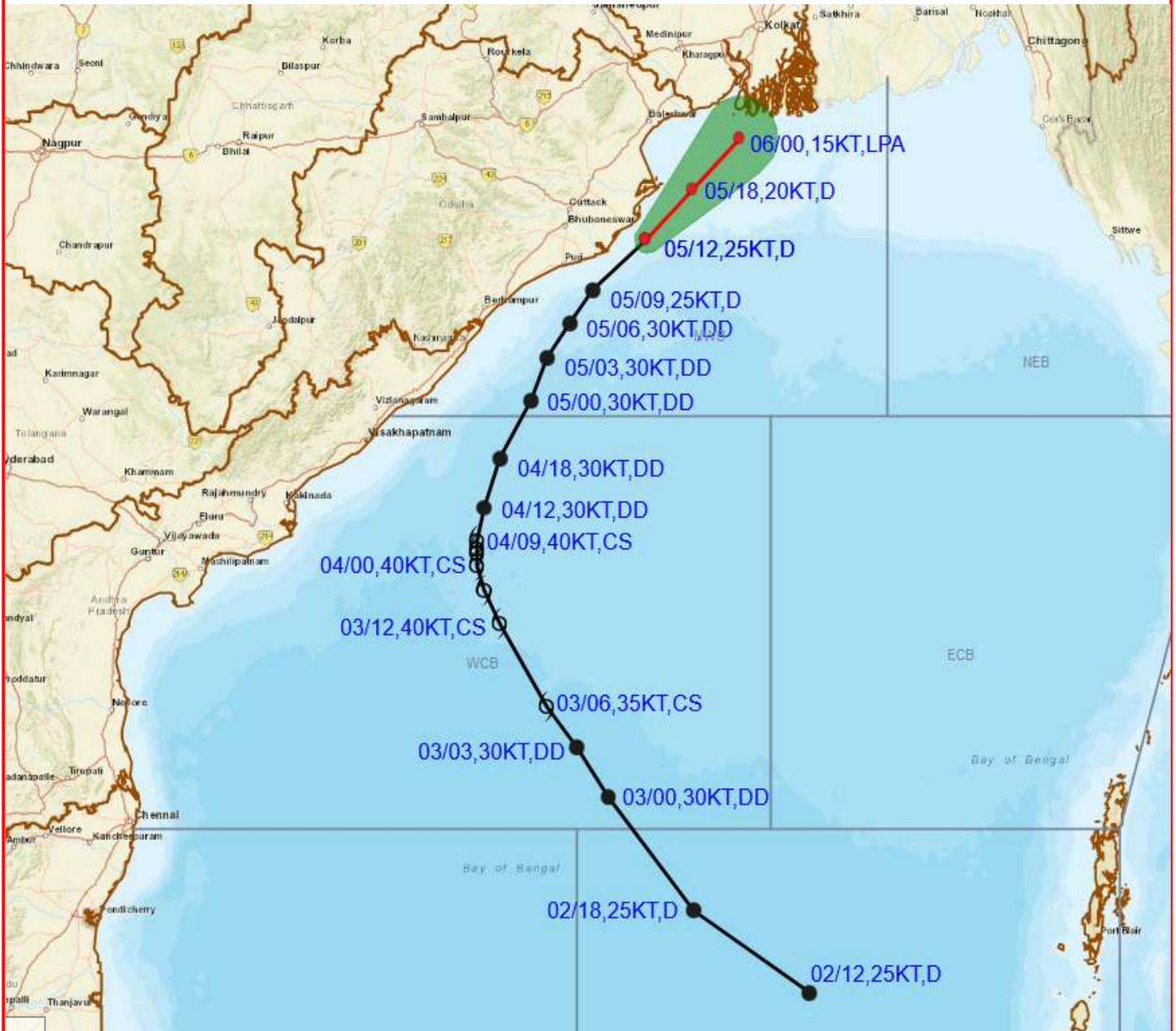
05-12-2021/(1900 to 1926) IST

L1C Mercator





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 1200 UTC OF 5th DECEMBER, 2021

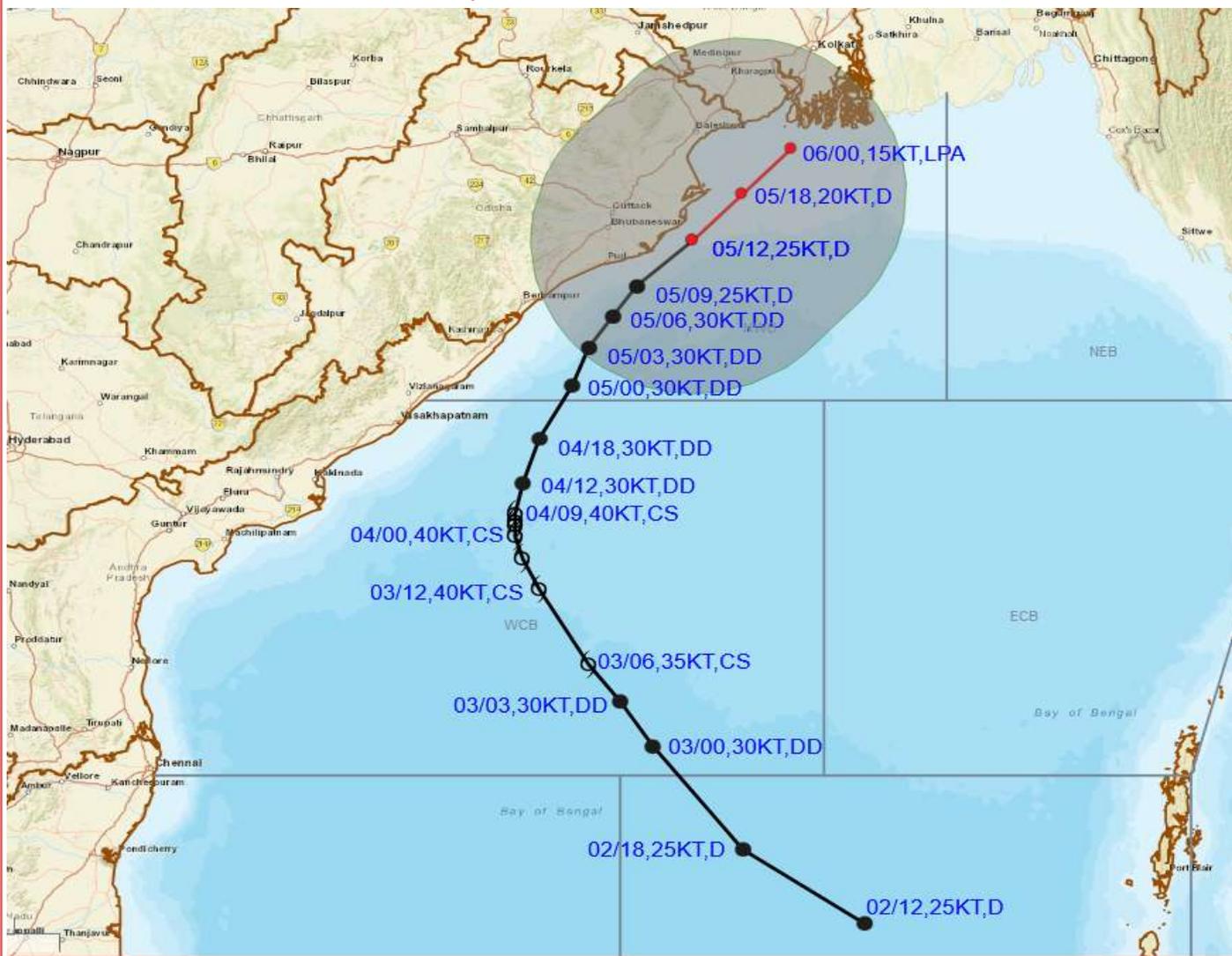


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 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 1200 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)

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SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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)

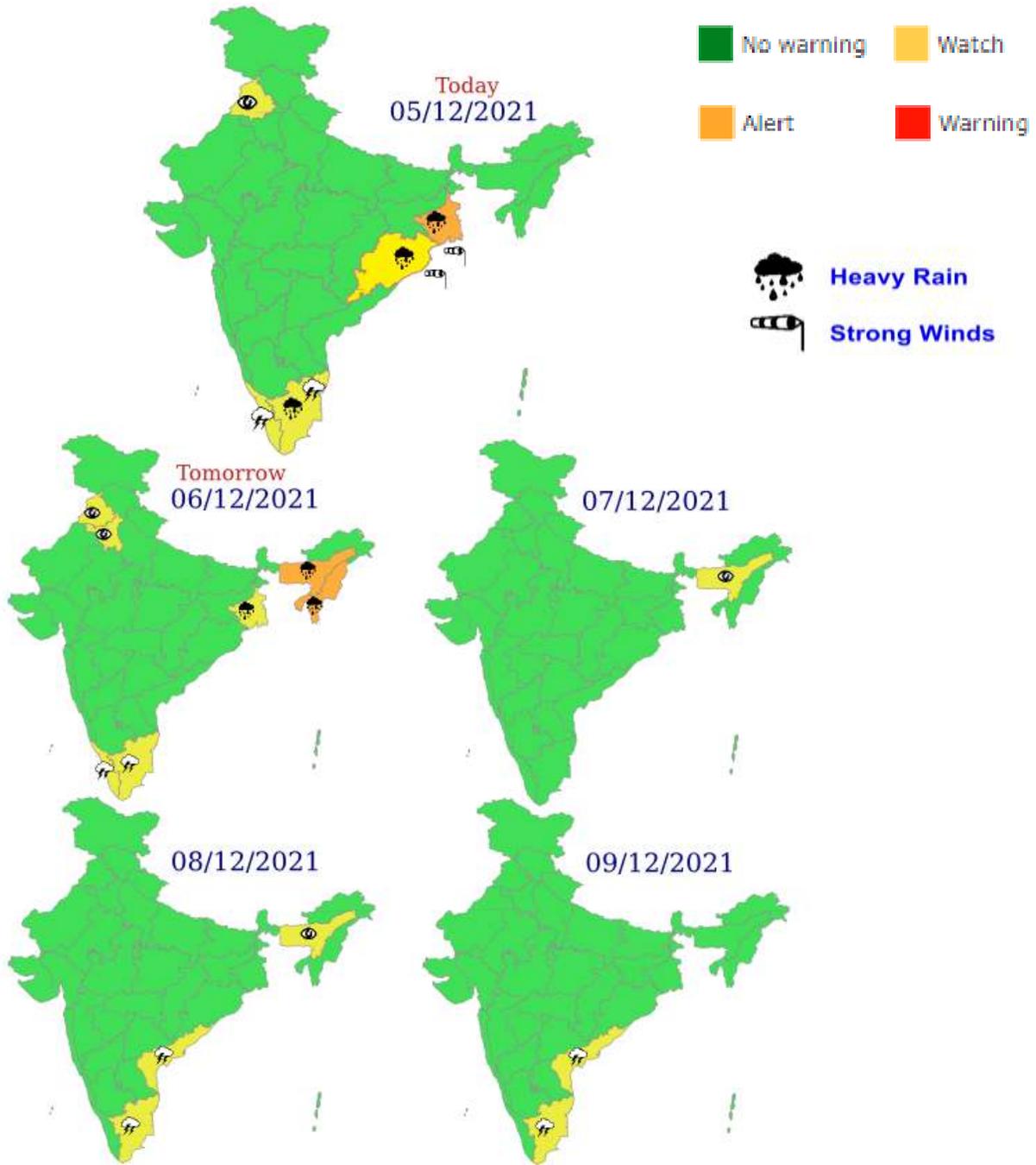
■ 50-63 KT (92-117 KMPH)

■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

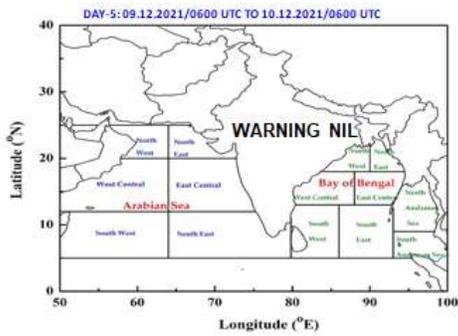
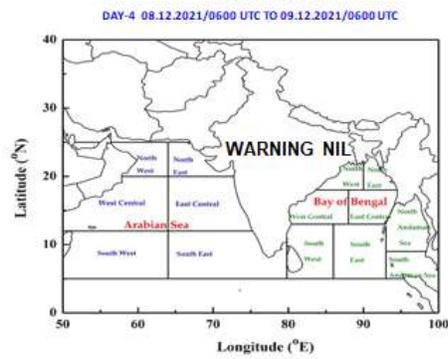
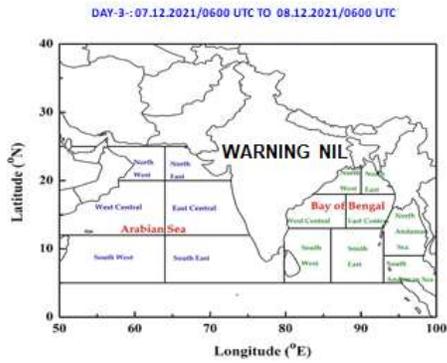
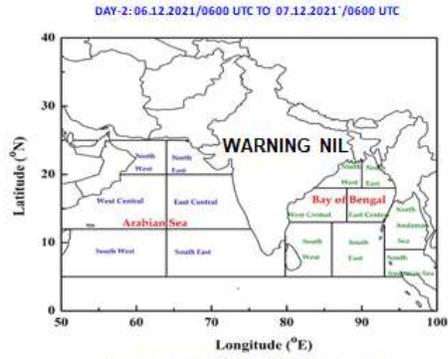
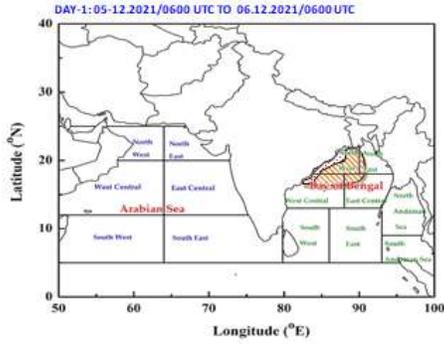
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

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