



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 1 (BOB/03/2022)

TIME OF ISSUE: 1430 HOURS IST

DATED: 07.05.2022

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)

ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)

CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)

CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)

CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

Sub: Depression over Southeast Bay of Bengal and adjoining Andaman Sea & it's likely intensification into a cyclonic storm on 8th May, 2022

The Well **Marked Low Pressure Area** over Southeast Bay of Bengal and adjoining Andaman Sea moved northwestwards, concentrated into a depression and lay centered at 1130 hours IST of today, the 07th May, over the same region near latitude 9.4°N and longitude 91.3°E, about 170 km west of Car Nicobar (Nicobar Islands), 300 km south-southwest of Port Blair (Andaman Islands), 1270 km southeast of Visakhapatnam (Andhra Pradesh) and 1300 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify into a **Cyclonic Storm** over eastcentral Bay of Bengal on 8th May. It is very likely to continue to move northwestwards till 10th May evening and reach Westcentral and adjoining Northwest Bay of Bengal off North Andhra Pradesh & Odisha coasts. Thereafter, it is very likely to recurve north-northeastwards and move towards Northwest Bay of Bengal off Odisha coast.

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
07.05.22/1130	9.4/91.3	45-55 gusting to 65	Depression
07.05.22/2330	11.5/89.9	50-60 gusting to 70	Depression
08.05.22/1130	12.9/88.7	55-65 gusting to 75	Deep Depression
08.05.22/2330	14.3/87.3	65-75 gusting to 85	Cyclonic Storm
09.05.22/1130	15.3/86.3	70-80 gusting to 90	Cyclonic Storm
09.05.22/2330	16.3/85.7	80-90 gusting to 100	Cyclonic Storm
10.05.22/1130	17.2/85.2	80-90 gusting to 100	Cyclonic Storm
10.05.22/2330	17.8/85.1	75-85 gusting to 95	Cyclonic Storm
11.05.22/1130	18.3/85.2	70-80 gusting to 90	Cyclonic Storm
11.05.22/2330	18.8/85.5	70-80 gusting to 90	Cyclonic Storm

Warnings:

(i) Rainfall (warning graphics enclosed)

7th May: Rainfall at most places with heavy rainfall at isolated places very likely over Andaman & Nicobar Islands.

10th May: **Light to moderate rainfall** likely at a few places with heavy rainfall at isolated places over coastal Odisha and adjoining areas of north coastal Andhra Pradesh from 10th evening.

11th May: Rainfall at a few places with heavy rainfall at isolated places likely over coastal Odisha and adjoining coastal areas of north Andhra Pradesh and West Bengal.

(ii) Wind warning

- **7th May:** Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman & Nicobar Islands, Andaman Sea and adjoining Southeast & Eastcentral Bay of Bengal.
- **8th May:** Squally wind speed reaching 55-65 kmph gusting to 75 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase becoming gale wind speed reaching 65-75 gusting to 85 kmph over the same region from 8th May evening. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over Andaman Sea and Andaman & Nicobar Islands.
- **9th May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over central parts of Bay of Bengal during morning hours and would gradually increase thereafter becoming 80-90 kmph gusting to 100 kmph over the same region.
- **10th May:** Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest & Eastcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of north Andhra Pradesh.
- **11th May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over northwest and adjoining Westcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of Odisha and adjoining coastal north Andhra Pradesh.

(iii) Sea condition

- **7th May:** Sea condition is very likely to become rough to very rough over Andaman Sea and adjoining southeast Bay of Bengal.
- **8th May:** Sea condition is very likely to become high over Southeast & adjoining Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.
- **9th- 10th May:** Sea condition is likely to become high over central parts of Bay of Bengal on 9th May and over Westcentral & adjoining Northwest and Eastcentral Bay of Bengal on 10th May.
- **11th May:** Sea condition is likely to become high over Northwest and adjoining Westcentral Bay of Bengal.

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Andaman Sea and adjoining Southeast Bay of Bengal during 7th-8th May.
- Fishermen are advised not to venture into Eastcentral Bay of Bengal on 8th May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 9th & 10th May and over Northwest Bay of Bengal on 10th & 11th May.
- Fishermen out at sea are advised to return to coast.

(v) ACTION SUGGESTED for Andaman and Nicobar Islands during 7th – 8th May

- Total suspension of fishing and tourism activities.
- Check for traffic congestion on your route 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.
- Avoid staying in vulnerable structure.
- Regulate off-shore activities

The system is under continuous surveillance and the next message will be issued at 2030 hours IST of today, the 7th May, 2022.

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

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswarr/CWC Vishakhapatnam/MO Port Blair

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

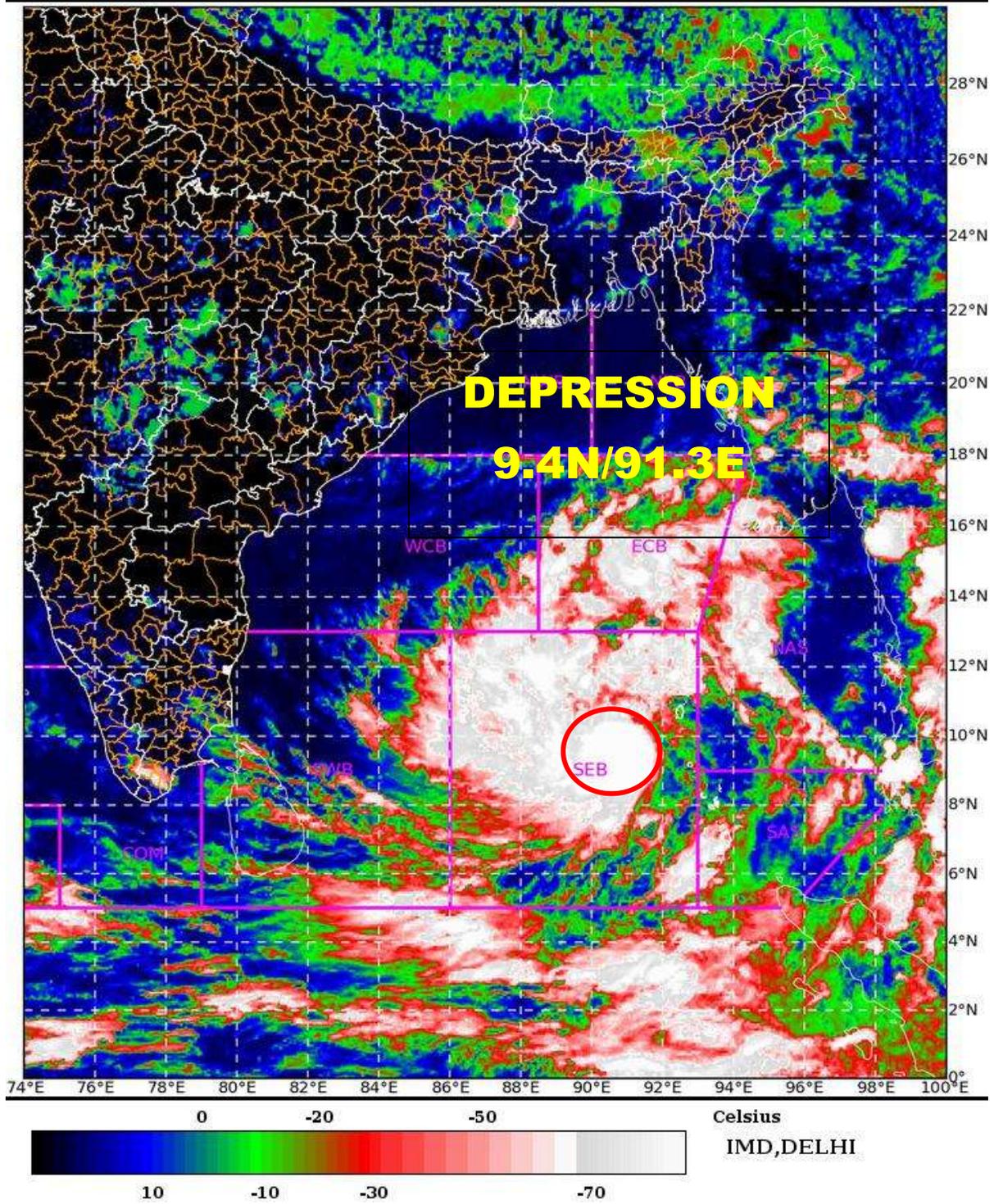
SAT : INSAT-3D IMG

07-05-2022/(0830 to 0856) GMT

IMG_TIR1_TEMP 10.8 um

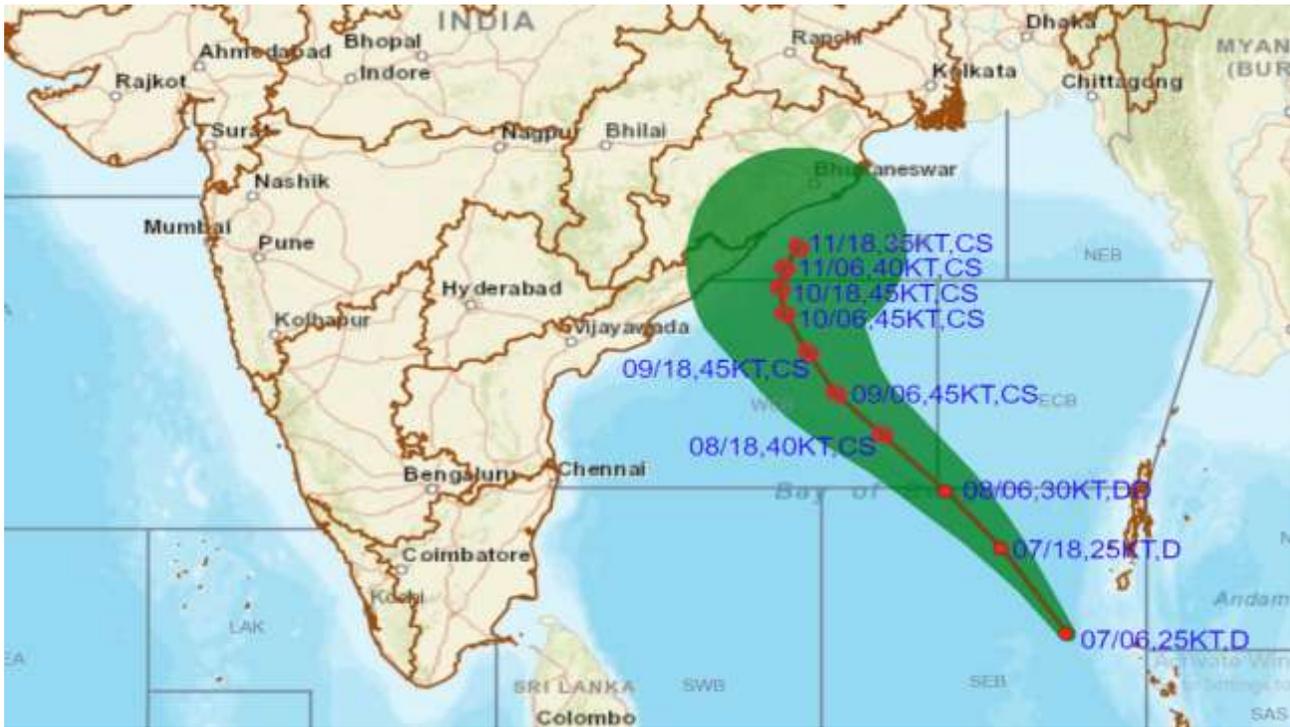
07-05-2022/(1400 to 1426) IST

L1C Mercator





FORECAST TRACK AND INTENSITY ALONGWITH CONE OF UNCERTAINTY OVER SOUTHEAST BAY OF BENGAL AND ADJOINING ANDAMAN SEA BASED ON 0600 UTC OF 7TH MAY 2022



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

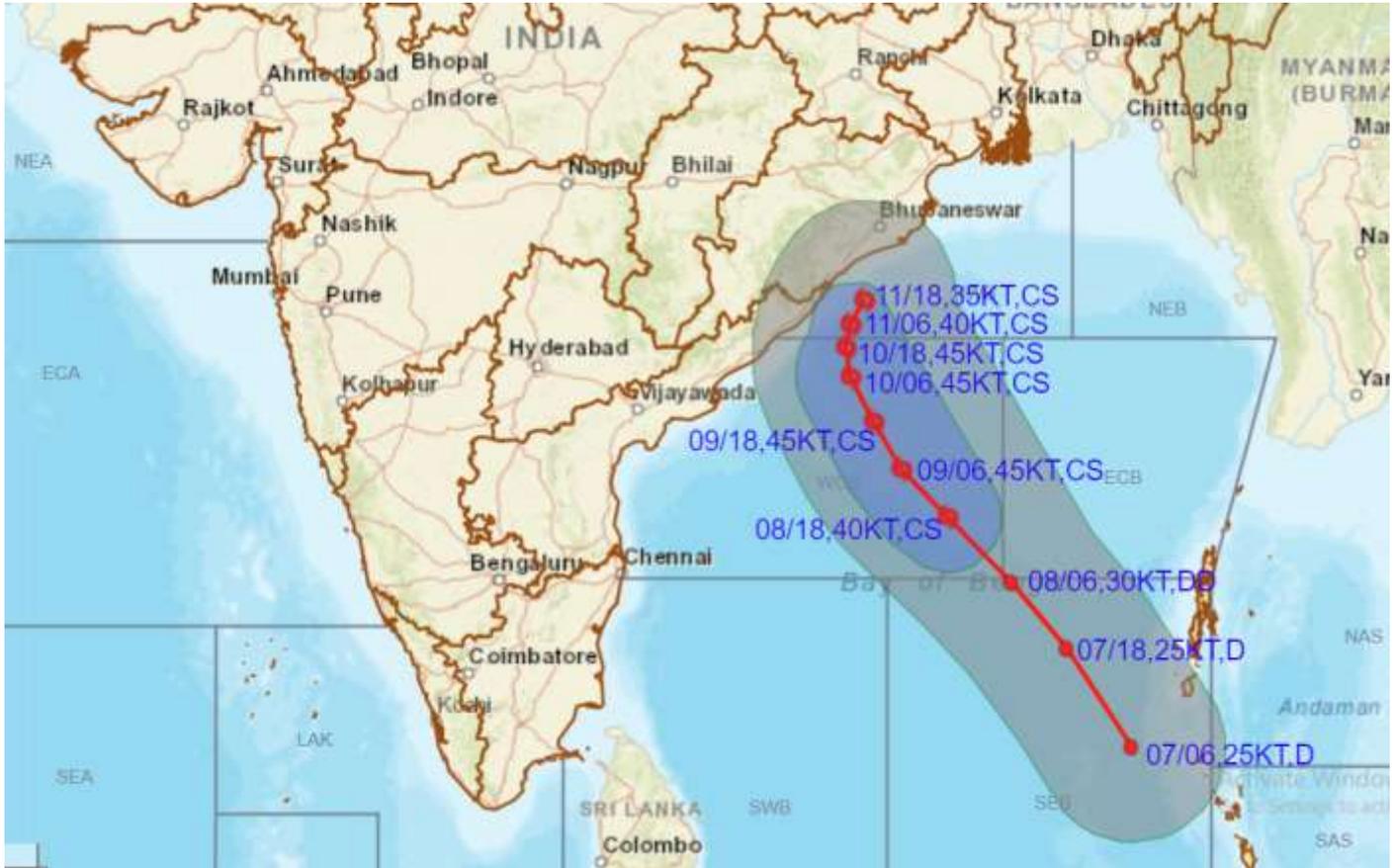
DISTANCE(KM) AND DIRECTION FROM STATIONS

Forecast Date and Time	Lead Period	CAR NICOBAR	PORT BLAIR	VISHAKH APATNA M	PURI
07.05.22/0600		0 170,W	300,SSW	1270,SE	1300,SSE
08.05.22/0600	24	610,NW	460,WNW	790,SE	830,SSE
09.05.22/0600	48	930,NW	750,WNW	470,SE	550,S

N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST



FORECAST TRACK AND INTENSITY ALONGWITH QUADRANT WIND DISTRIBUTION OVER SOUTHEAST BAY OF BENGAL AND ADJOINING ANDAMAN SEA BASED ON 0600 UTC OF 7TH MAY 2022



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

AREA OF MAXIMUM SUSTAINED WIND SPEED:

■ 28-33 KT (52-61 KMPH)

■ 34-49 KT (62-91 KMPH)

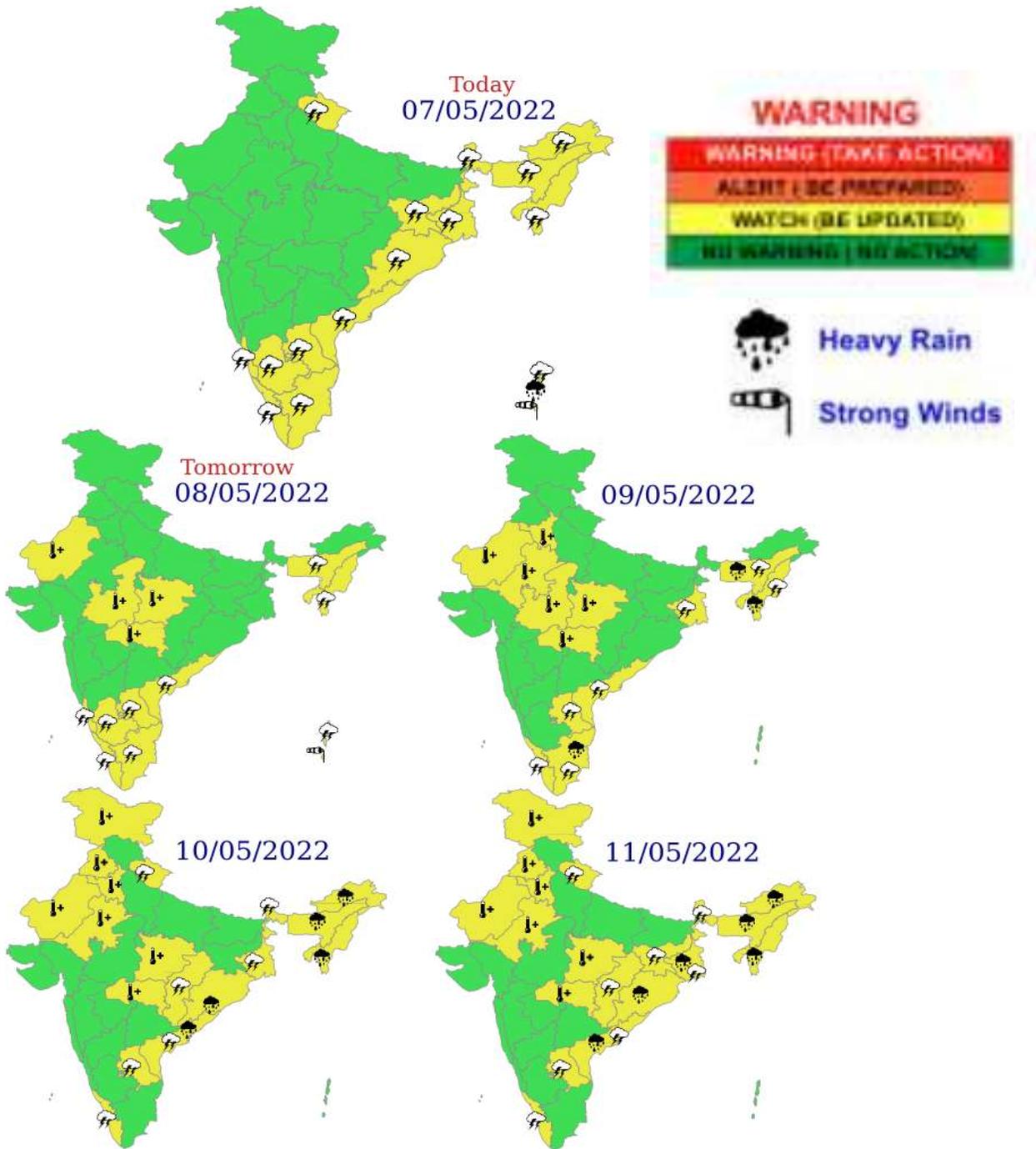
■ 50-63 KT (92-117 KMPH)

■ ≥ 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

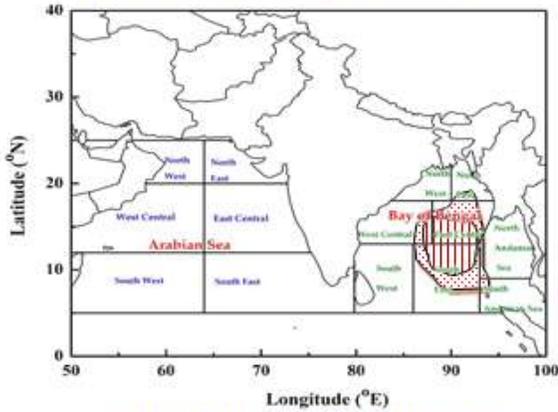
Heavy rainfall warning Graphics



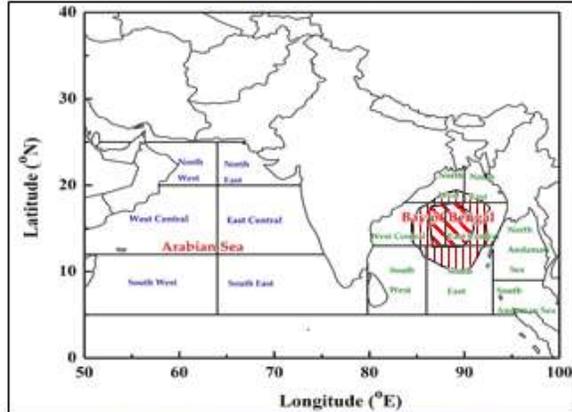
INDIA METEOROLOGICAL DEPARTMENT

FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

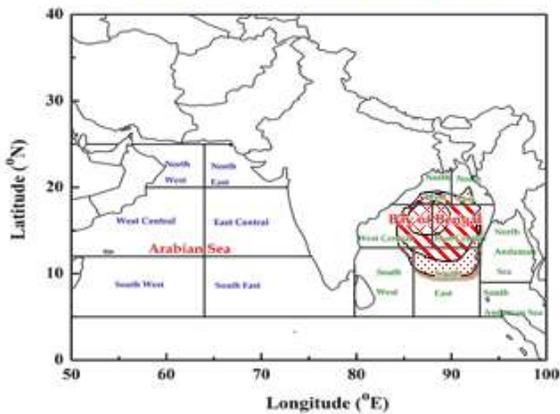
DAY-1: 07.05.2022/0600 UTC TO 08.05.2022/0600 UTC



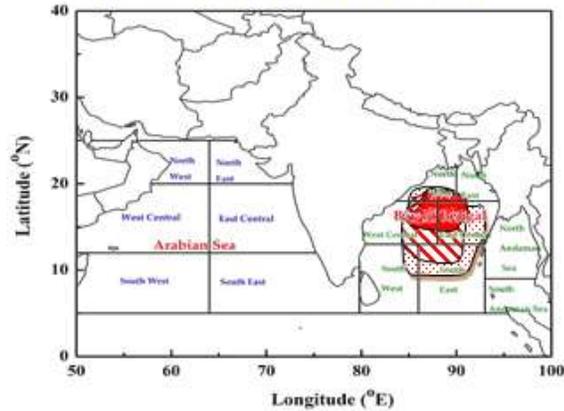
DAY-2: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



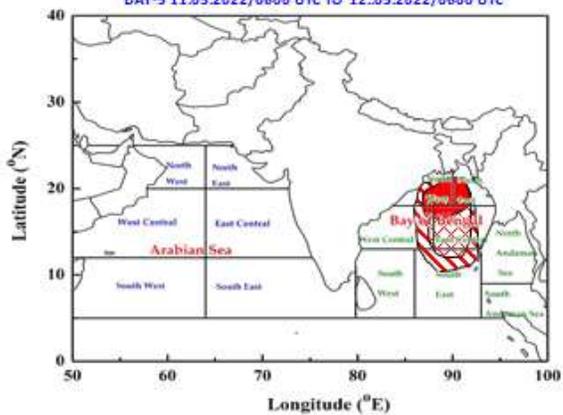
DAY-3: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



DAY-4: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



DAY-5: 11.05.2022/0600 UTC TO 12.05.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 75 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 80-90 KMPH GUSTING TO 100 KMPH