



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 5 (BOB/03/2022)

TIME OF ISSUE: 1130 HOURS IST

DATED: 08.05.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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Sub: Cyclonic Storm 'ASANI' over southeast Bay of Bengal

The **cyclonic storm 'Asani'** (pronounced as **Asani**) over Southeast Bay of Bengal moved northwestwards with a speed of 13 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 08th May, over the same region near latitude 11.4°N and longitude 89.1°E, about 480 km west-northwest of Car Nicobar (Nicobar Islands), 400 km west of Port Blair (Andaman Islands), 940 km southeast of Visakhapatnam (Andhra Pradesh) and 1000 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify further into a **Severe Cyclonic Storm** over eastcentral Bay of Bengal during next 12 hours. 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
08.05.22/0830	11.4/89.1	65-75 gusting to 85	Cyclonic Storm
08.05.22/1130	11.9/88.9	70-80 gusting to 90	Cyclonic Storm
08.05.22/1730	12.6/88.4	90-100 gusting 110	Severe Cyclonic Storm
08.05.22/2330	13.3/87.9	95-105 gusting 115	Severe Cyclonic Storm
09.05.22/0530	14.1/87.3	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1730	15.4/86.4	105-115 gusting to 125	Severe Cyclonic Storm
10.05.22/0530	16.3/85.8	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/1730	17.2/85.4	90-100 gusting to 110	Severe Cyclonic Storm
11.05.22/0530	18.0/85.3	80-90 gusting to 100	Cyclonic Storm
11.05.22/1730	18.4/85.5	70-80 gusting to 90	Cyclonic Storm
12.05.22/0530	18.9/85.9	60-70 gusting to 80	Cyclonic Storm
12.05.22/1730	19.3/86.5	50-60 gusting to 70	Deep Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

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

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

12th May: Light to moderate rainfall likely at a few places with **heavy rainfall** at isolated places is likely over coastal areas of Odisha and West Bengal.

(ii) Wind warning

- **8th May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase reaching 95-105 kmph gusting to 115 kmph over the same region during 8th May night. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Andaman Islands.
- **9th May:** Gale wind speed reaching 105-115 kmph gusting to 125 kmph is likely to prevail over central parts of Bay of Bengal.
- **10th May:** Gale wind speed reaching 95-105 kmph gusting to 115 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off north Andhra Pradesh coast.
- **11th May:** Gale wind speed reaching 80-90 kmph gusting to 100 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 along and off Odisha and adjoining north Andhra Pradesh coasts.
- **12th May:** Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail over northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off Odisha coast.

(iii) Sea condition

- **8th May:** Sea condition is very likely to become high to very high over Southeast & adjoining Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.

- **9th May:** Sea condition is likely to become high to very high over central parts of Bay of Bengal.
- **10th May:** Sea condition is likely to become high to very high over Westcentral & adjoining Northwest and Eastcentral Bay of Bengal.
- **11th May:** Sea condition is likely to become high to very high over Northwest and adjoining Westcentral Bay of Bengal.
- **12th May:** Sea condition is likely to become high to very high over Northwest Bay of Bengal.

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Eastcentral & Southeast Bay of Bengal and adjoining Andaman Sea 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 from 10th May to 12th May.
- Fishermen out at sea are advised to return to coast.

(v) ACTION SUGGESTED for Andaman and Nicobar Islands on 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 1430 hours IST of today, the 08th May, 2022.

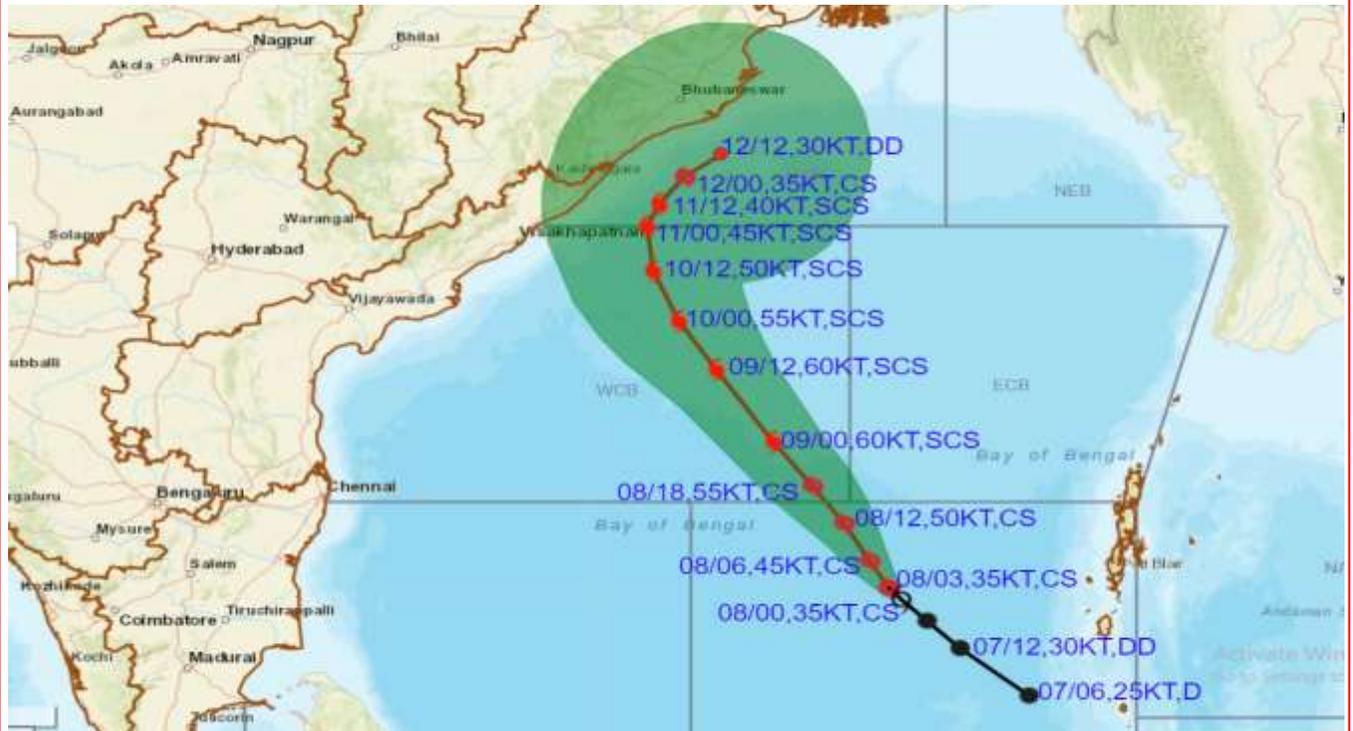
**(Ananda Kumar Das)
Scientist-E, RSMC, New Delhi**

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



FORECAST TRACK AND INTENSITY OF CYCLONIC STORM 'ASANI' ALONGWITH CONE OF UNCERTAINTY OVER SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 8TH 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

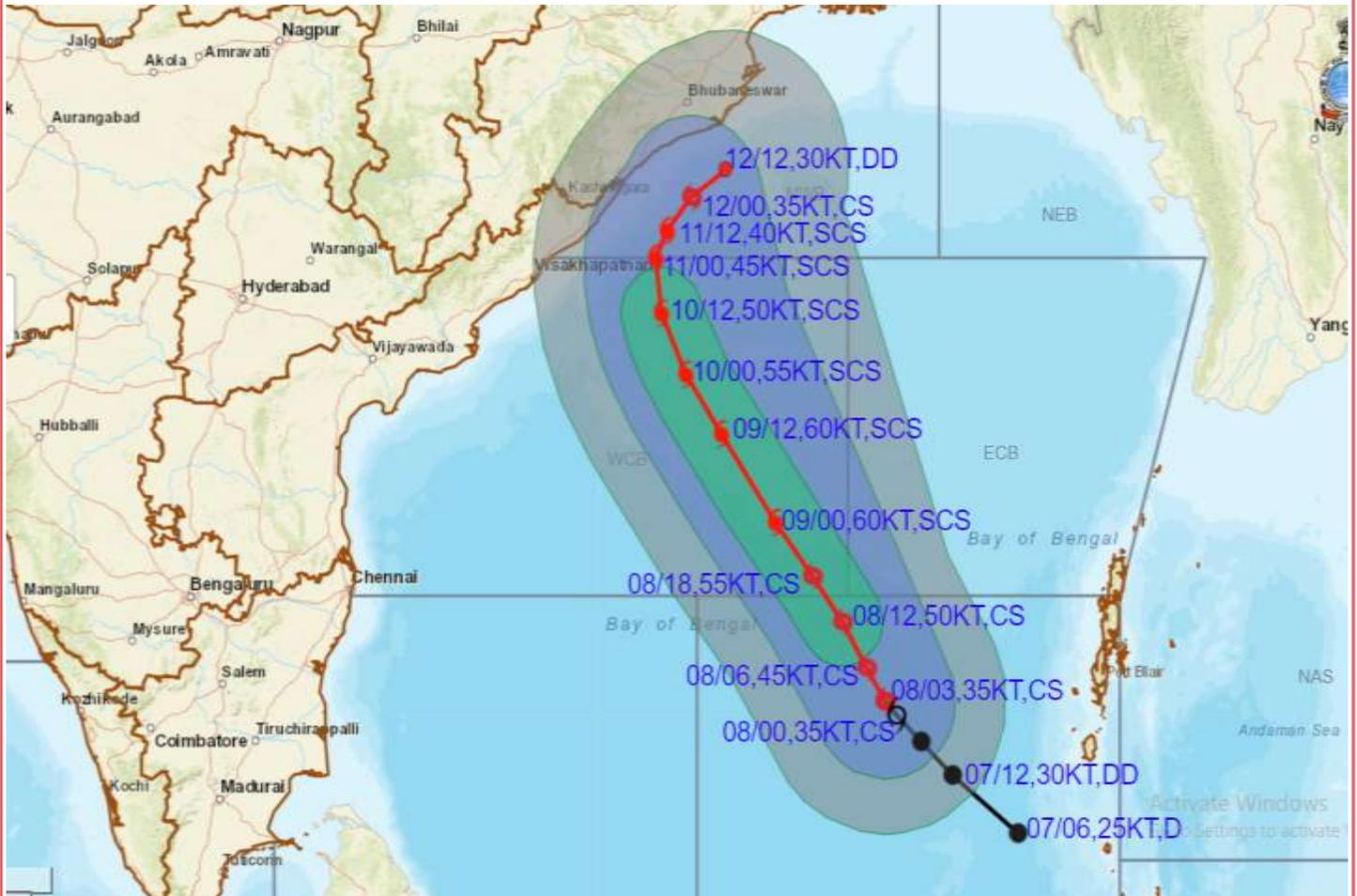
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	09.05.22/0000	10.05.22/0000	11.05.22/0000
CAR NICOBAR	820,NW	1100,NW	1280,NW
PORT BLAIR	650,WNW	910,NW	1060,NW
VISHAKHAPATNAM	590,SE	310,ESE	210,E
PURI	650,SSE	390,S	210,SSW

Forecast distance (km) and direction of the centre from nearest 5 coastal stations								
Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
08.05.22/0300	0	11.4	89.1	HUT BAY (388,WNW)	PORT BLAIR (396,W)	LONG ISLAND (433,WSW)	MAYA BANDAR (448,WSW)	CAR NICOBAR (479,WNW)
08.05.22/0600	3	11.9	88.8	PORT BLAIR (428,W)	LONG ISLAND (435,W)	MAYA BANDAR (453,WSW)	CAR NICOBAR (462,NW)	NANCOWRY (536,NW)
08.05.22/1200	9	12.6	88.4	LONG ISLAND (481,W)	MAYA BANDAR (492,W)	CAR NICOBAR (493,NW)	NANCOWRY (505,NW)	KONDUL (617,NW)
08.05.22/1800	15	13.3	87.9	MAYA BANDAR (546,W)	CAR NICOBAR (554,NW)	NANCOWRY (555,NW)	KONDUL (590,NW)	PATHEIN (690,WSW)
09.05.22/0000	21	14.1	87.3	CAR NICOBAR (580,NW)	NANCOWRY (585,NW)	KONDUL (588,NW)	PATHEIN (622,WSW)	VISHAKHAPATNAM/ WALT AIR (624,SE)
09.05.22/1200	33	15.4	86.4	NANCOWRY (406,NW)	KONDUL (417,NW)	PATHEIN (419,W)	VISHAKHAPATNAM/ WALT AIR (460,SE)	KALINGAPATAM (465,SE)
10.05.22/0000	45	16.3	85.8	KONDUL (287,NW)	PATHEIN (307,W)	VISHAKHAPATNAM/ WALT AIR (309,ESE)	KALINGAPATAM (344,SE)	VISHAKHAPATNAM (365,ESE)
10.05.22/1200	57	17.2	85.4	PATHEIN (184,W)	VISHAKHAPATNAM/ WALT AIR (229,ESE)	KALINGAPATAM (230,SE)	VISHAKHAPATNAM (236,ESE)	KAKINADA (293,E)
11.05.22/0000	69	18	85.3	VISHAKHAPATNAM/ WALT AIR (129,E)	KALINGAPATAM (148,ESE)	VISHAKHAPATNAM (208,E)	KAKINADA (214,ENE)	TUNI (215,ENE)
11.05.22/1200	81	18.4	85.5	KALINGAPATAM (116,E)	VISHAKHAPATNAM (145,ENE)	KAKINADA (159,ENE)	TUNI (209,ENE)	SANDOWAY (235,W)
12.05.22/0000	93	18.9	85.9	VISHAKHAPATNAM	KAKINADA (114,ENE)	TUNI (150,ENE)	SANDOWAY (174,W)	YANGON (176,WNW)

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 CYCLONIC STORM 'ASANI' OVER SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 8TH 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
 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

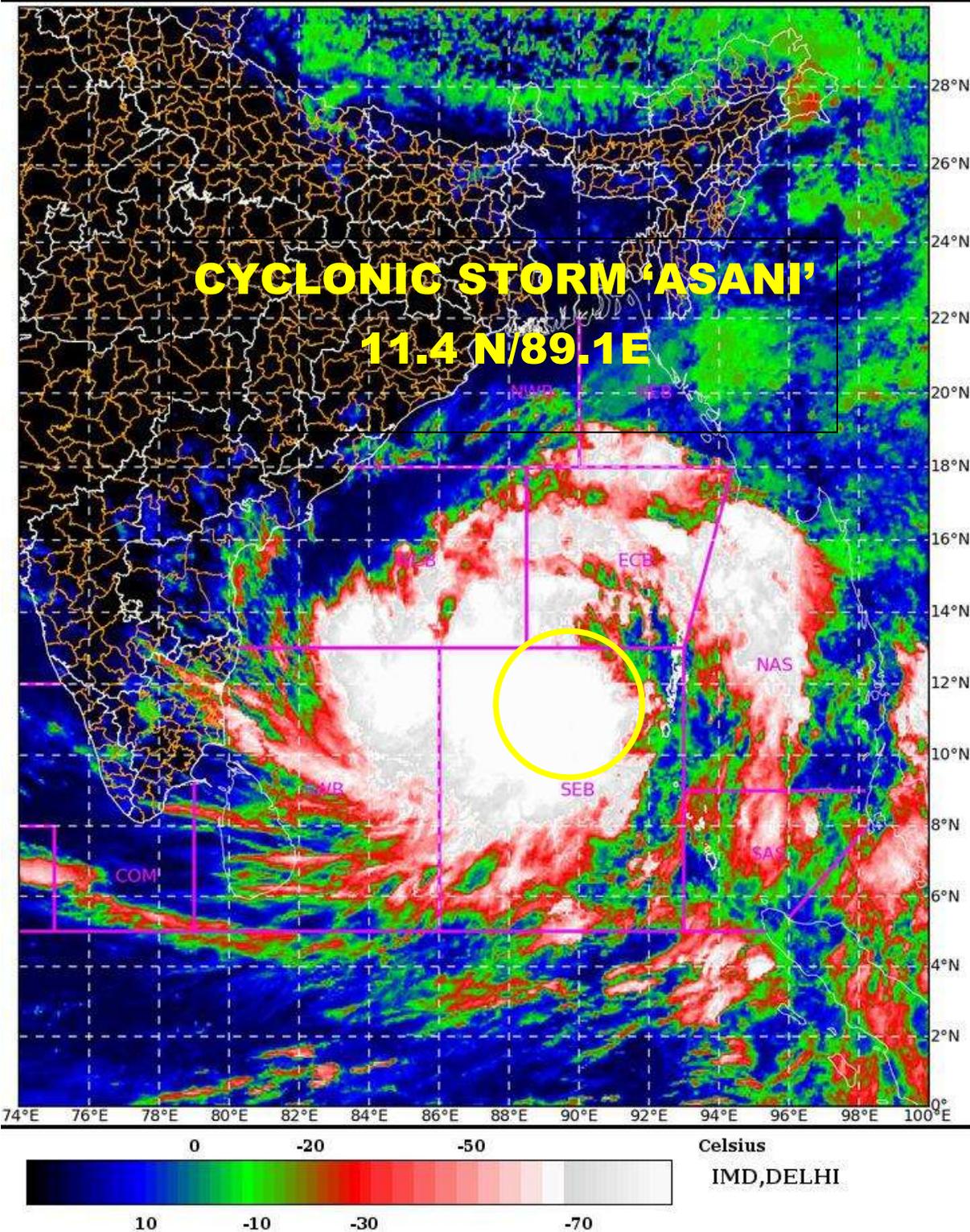
SAT : INSAT-3D IMG

08-05-2022/(0500 to 0526) GMT

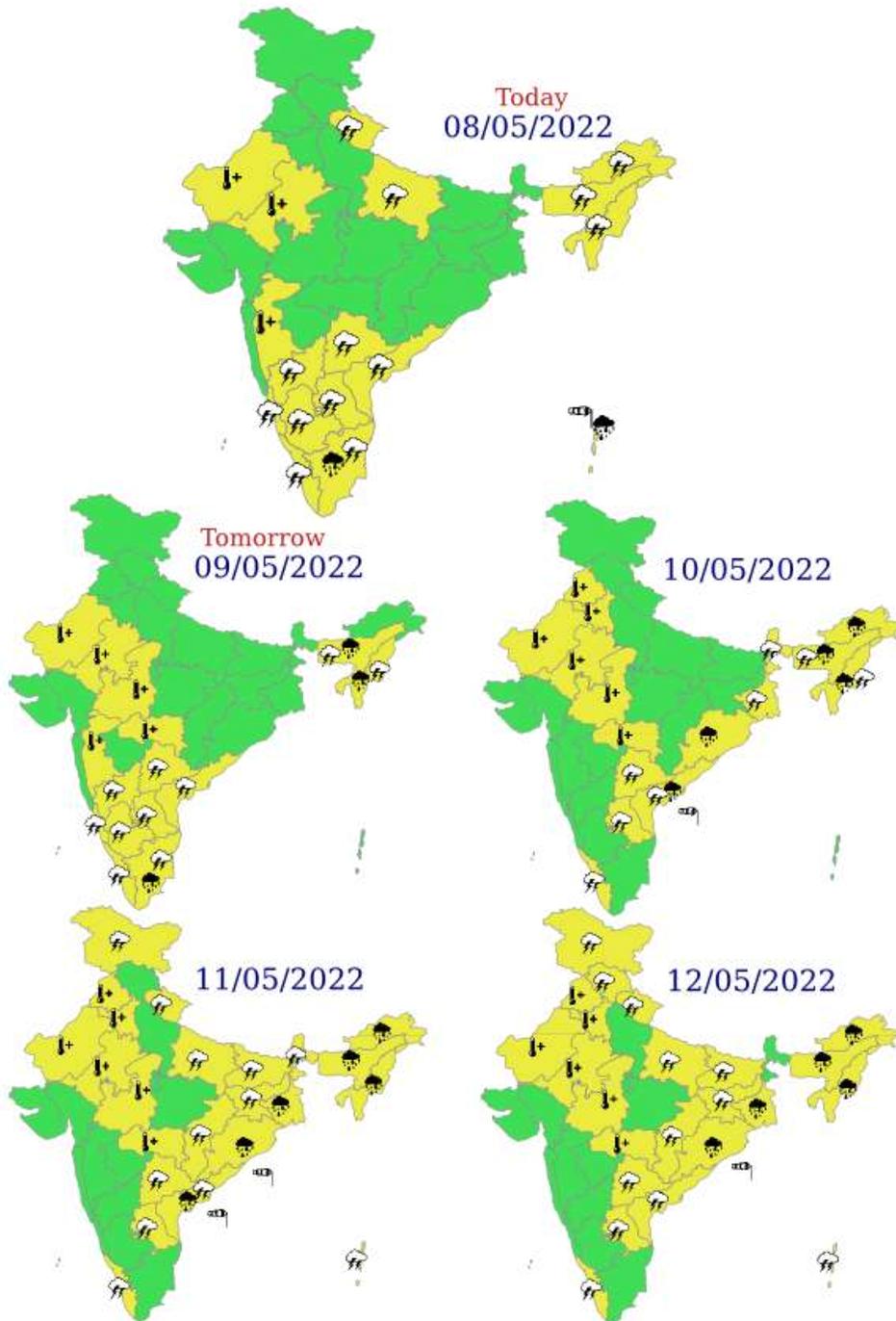
IMG_TIR1_TEMP 10.8 um

08-05-2022/(1030 to 1056) IST

L1C Mercator



Heavy rainfall warning Graphics



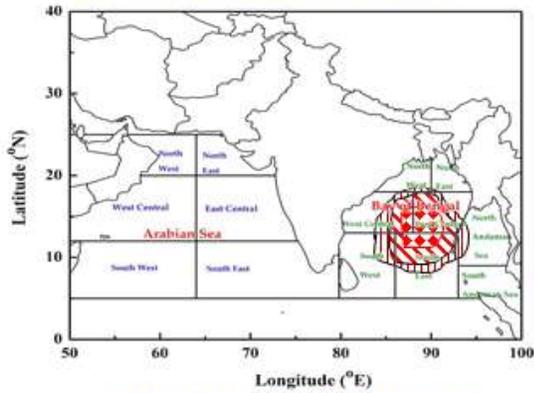
WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

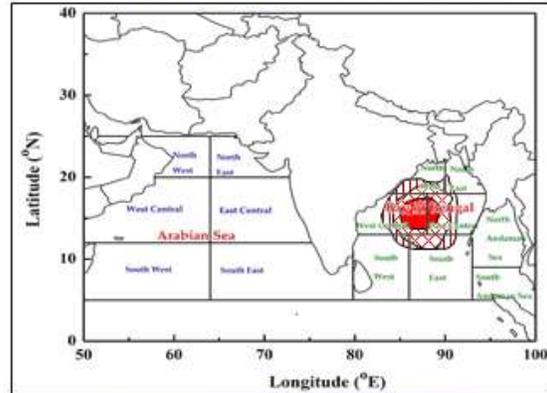
-  Heavy Rain
-  Strong Winds

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

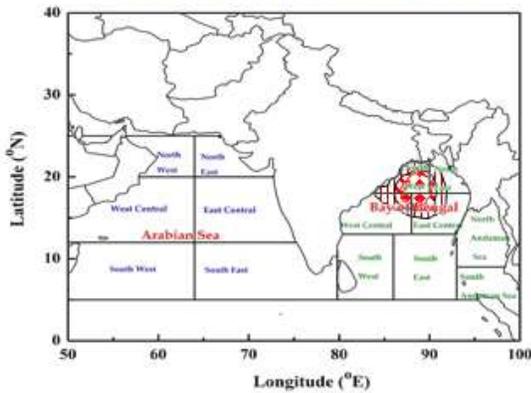
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



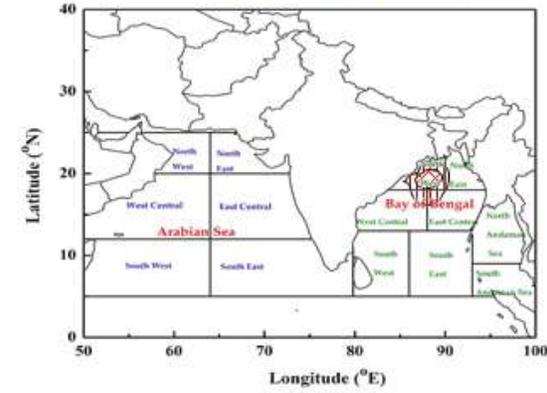
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



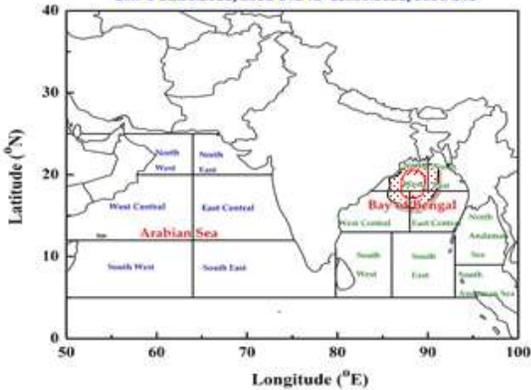
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



DAY-4: 11.05.2022/0600 UTC TO 12.05.2022/0600 UTC



DAY-5: 12.05.2022/0600 UTC TO 13.05.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH
- 50-60 KMPH GUSTING TO 70 KMPH
- 60-70 KMPH GUSTING TO 80 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 90-100 KMPH GUSTING TO 90 KMPH
- 105-115 KMPH GUSTING TO 125 KMPH