



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 7 (BOB/03/2022)

TIME OF ISSUE: 1630 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 nearly northwestwards with a speed of 14 kmph during past 6 hours and lay centered at 1430 hours IST of today, the 08th May, over the same region near latitude 11.8°N and longitude 88.4°E, about 560 km northwest of Car Nicobar (Nicobar Islands), 470 km west of Port Blair (Andaman Islands), 850 km southeast of Visakhapatnam (Andhra Pradesh) and 930 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify into a **Severe Cyclonic Storm** over southeast Bay of Bengal during next 06 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
08.05.22/1430	11.8/88.4	80-90 gusting to 100	Cyclonic Storm
08.05.22/1730	12.2/88.2	90-100 gusting to 110	Severe Cyclonic Storm
08.05.22/2330	13.1/87.7	95-105 gusting to 115	Severe Cyclonic Storm
09.05.22/0530	14.1/87.3	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1130	14.9/86.8	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/2330	15.9/86.1	105-115 gusting to 125	Severe Cyclonic Storm
10.05.22/1130	16.8/85.6	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/2330	17.6/85.3	90-100 gusting to 110	Severe Cyclonic Storm
11.05.22/1130	18.2/85.4	80-90 gusting to 100	Cyclonic Storm
11.05.22/2330	18.6/85.7	70-80 gusting to 90	Cyclonic Storm
12.05.22/1130	19.1/86.2	60-70 gusting to 80	Cyclonic Storm
12.05.22/1730	19.3/86.6	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 80-90 kmph gusting to 100 kmph is likely to prevail over Southeast till 8th May evening and would gradually increase becoming 95-105 kmph gusting to 115 kmph over Southeast. Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail over eastcentral Bay of Bengal. 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 is likely to be rough over Andaman Sea.

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

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Southeast and adjoining central parts of Bay of Bengal & Andaman Sea on 8th May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 9th, into westcentral Bay of Bengal on 9th & 10th and into Northwest Bay of Bengal during 10th 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 bulletin will be issued at 1730 hours IST of today, the 08th May, 2022.

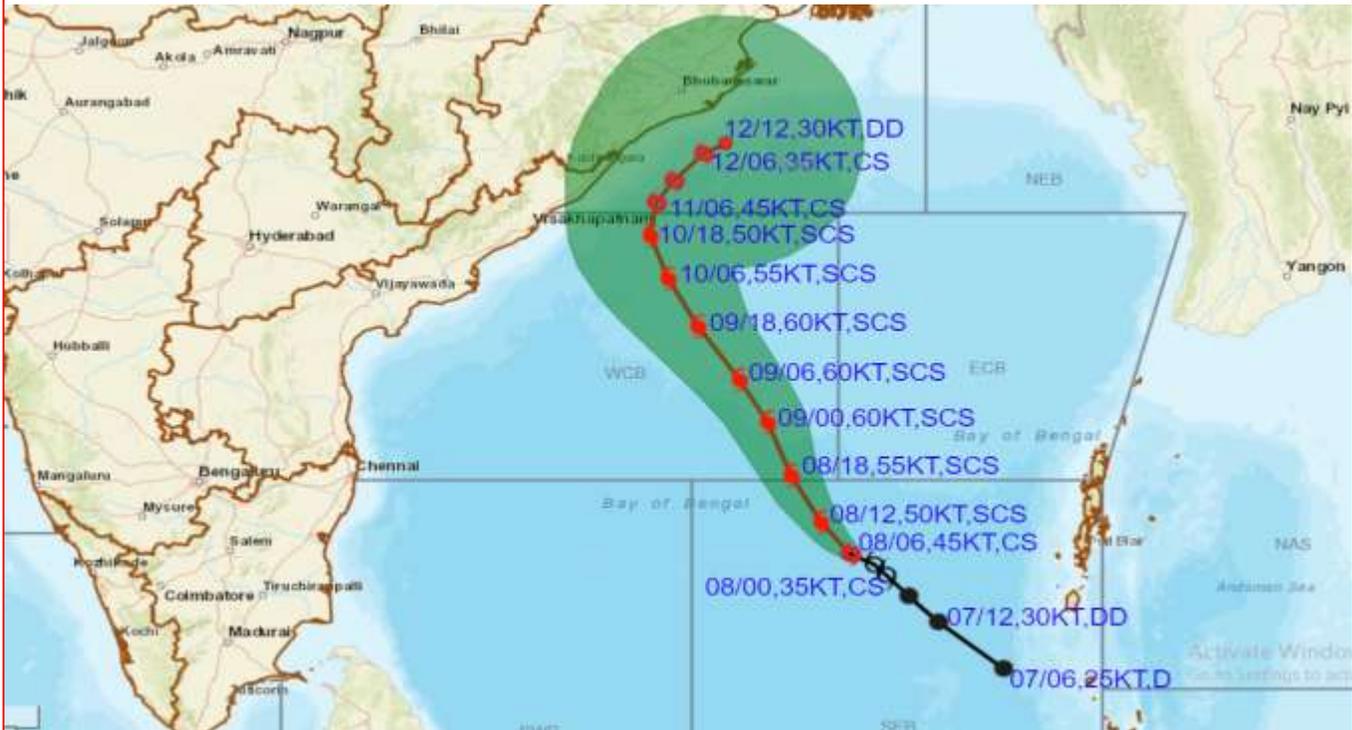
**(Monica Sharma)
Scientist-D, RSMC, New Delhi**

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 0600 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

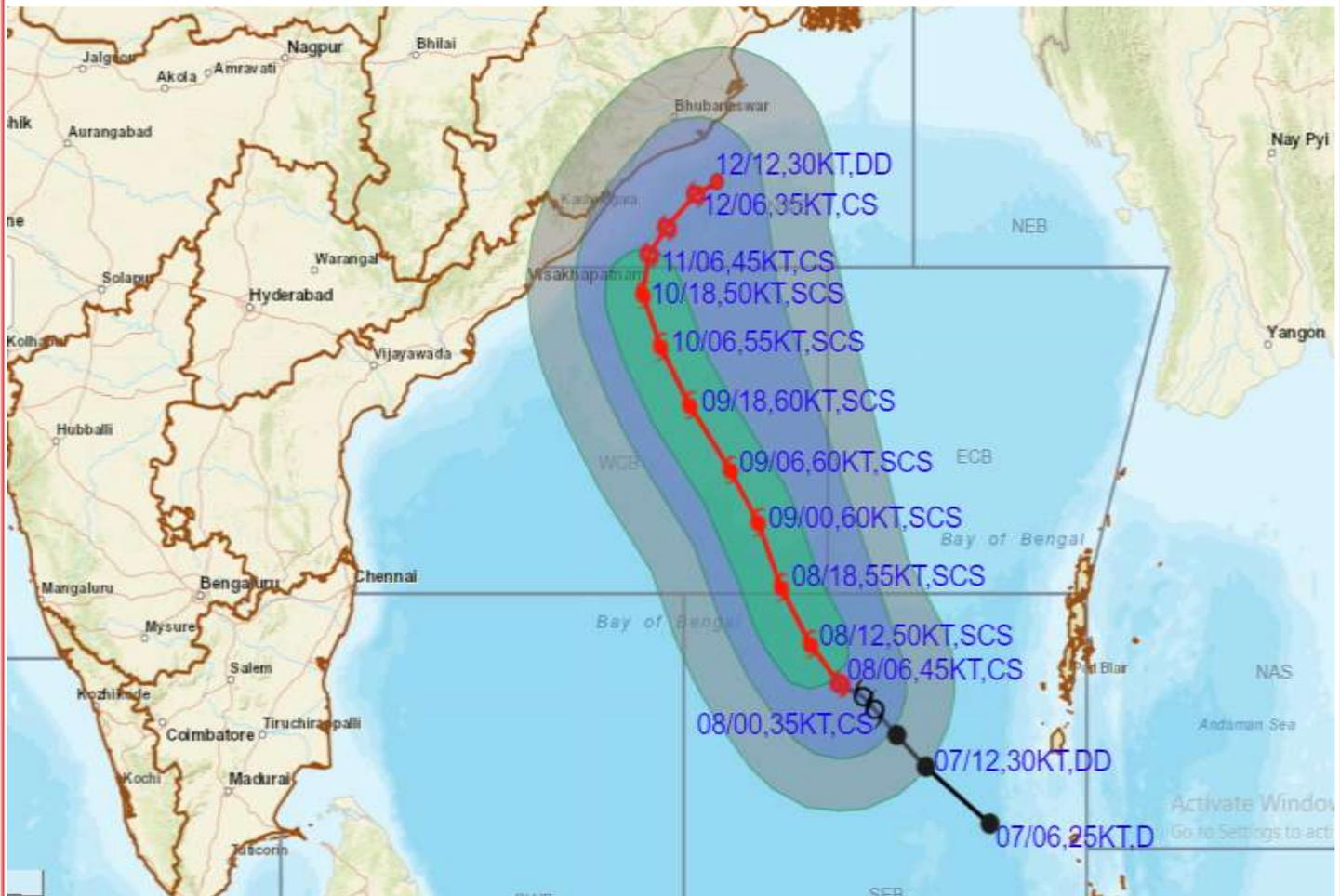
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	09.05.22/0600	10.05.22/0600	11.05.22/0600
CAR NICOBAR	890,NW	1130,NW	1250,NW
PORT BLAIR	720,WNW	940,NW	1040,NW
VISHAKHAPATNAM	470,SE	250,ESE	220,ENE
PURI	530,S	320,S	170,SSW

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
08.05.22/0600	0	11.6	88.7	HUT BAY (436,WNW)	PORT BLAIR (438,W)	LONG ISLAND (470,W)	MAYA BANDAR (482,WSW)	CAR NICOBAR (527,WNW)
08.05.22/1200	6	12.2	88.2	PORT BLAIR (495,W)	HUT BAY (508,WNW)	LONG ISLAND (515,W)	MAYA BANDAR (519,W)	CAR NICOBAR (609,NW)
08.05.22/1800	12	13.1	87.7	MAYA BANDAR (566,W)	PORT BLAIR (568,WNW)	LONG ISLAND (573,W)	HUT BAY (598,WNW)	VISHAKHAPATNAM/ WALT AIR (695,SE)
09.05.22/0000	18	14.1	87.3	KALINGAPATAM (580,SE)	VISHAKHAPATNAM/ WALT AIR (585,SE)	VISHAKHAPATNAM (588,SE)	MAYA BANDAR (622,WNW)	TUNI (624,SE)
09.05.22/0600	24	14.9	86.8	KALINGAPATAM (476,SE)	VISHAKHAPATNAM/ WALT AIR (486,SE)	VISHAKHAPATNAM (488,SE)	GOPALPUR (527,SSE)	TUNI (530,ESE)
09.05.22/1800	36	15.9	86.1	KALINGAPATAM (342,SE)	VISHAKHAPATNAM/ WALT AIR (358,ESE)	VISHAKHAPATNAM (360,ESE)	GOPALPUR (396,SSE)	TUNI (412,ESE)
10.05.22/0600	48	16.8	85.6	KALINGAPATAM (231,SE)	VISHAKHAPATNAM/ WALT AIR (264,ESE)	VISHAKHAPATNAM (265,ESE)	GOPALPUR (285,SSE)	TUNI (330,E)
10.05.22/1800	60	17.6	85.3	KALINGAPATAM (148,ESE)	GOPALPUR (191,SSE)	VISHAKHAPATNAM/ WALT AIR (212,E)	VISHAKHAPATNAM (213,E)	PURI (251,SSW)
11.05.22/0600	72	18.2	85.4	GOPALPUR (131,SSE)	KALINGAPATAM (135,E)	PURI (183,SSW)	VISHAKHAPATNAM (229,ENE)	VISHAKHAPATNAM/ WALT AIR (230,ENE)
11.05.22/1800	84	18.6	85.7	GOPALPUR (114,SE)	PURI (134,S)	KALINGAPATAM (168,E)	BHUBANESHWAR (184,S)	CUTTACK (209,S)
12.05.22/0600	96	19.1	86.2	PURI (88,SSE)	BHUBANESHWAR (134,SSE)	GOPALPUR (140,E)	PARADIP (CWR) (143,SSW)	CUTTACK (155,S)
12.05.22/1200	102	19.3	86.6	PURI (99,SE)	PARADIP (CWR) (112,S)	BHUBANESHWAR (133,SE)	CUTTACK (147,SSE)	CHANDBALI (166,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 CYCLONIC STORM 'ASANI' OVER SOUTHEAST BAY OF BENGAL BASED ON 0600 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
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

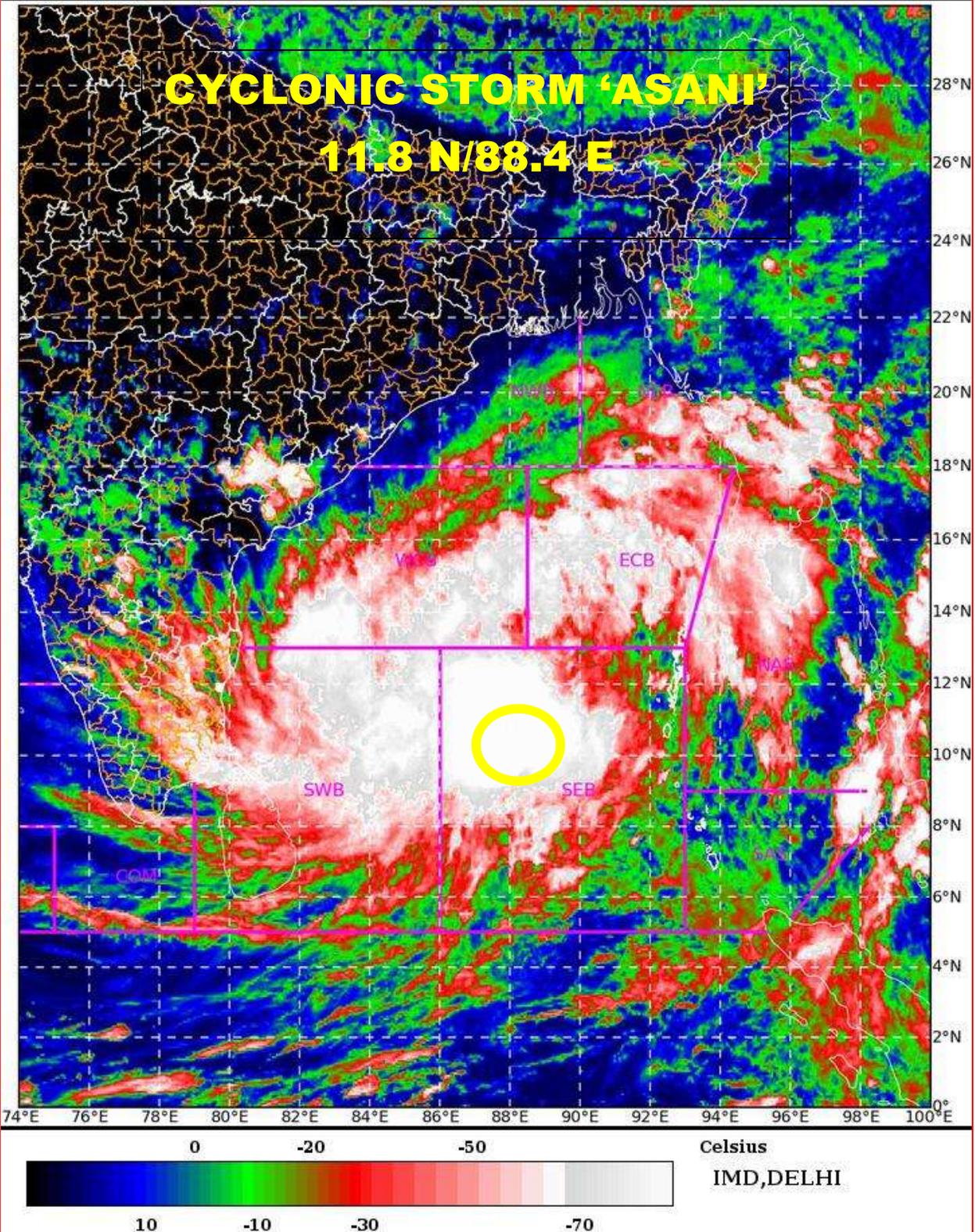
SAT : INSAT-3D IMG

08-05-2022/(1000 to 1026) GMT

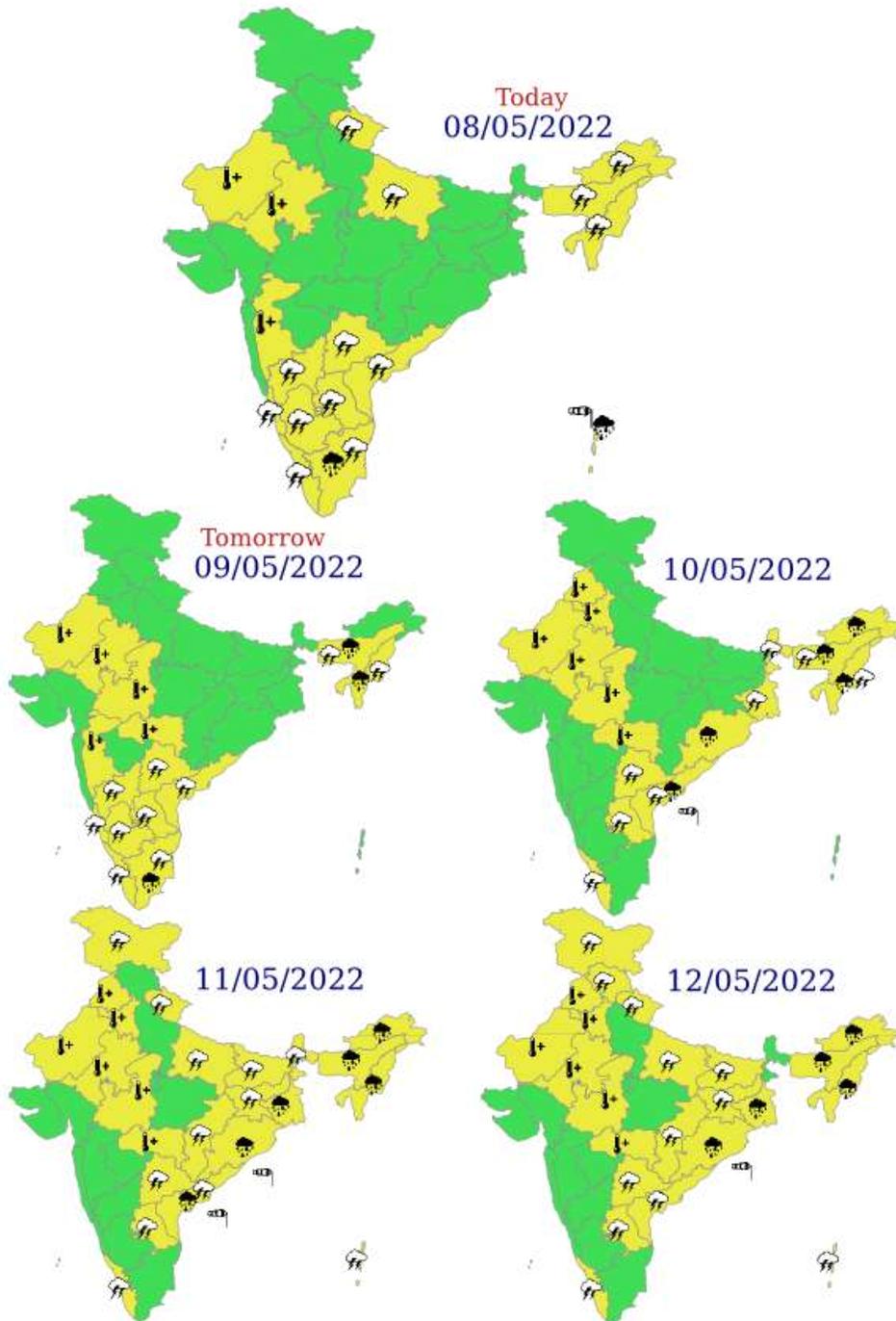
IMG_TIR1_TEMP 10.8 um

08-05-2022/(1530 to 1556) IST

L1C Mercator



Heavy rainfall warning Graphics



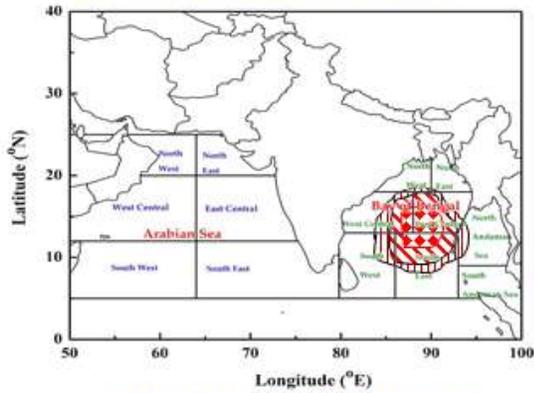
WARNING

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

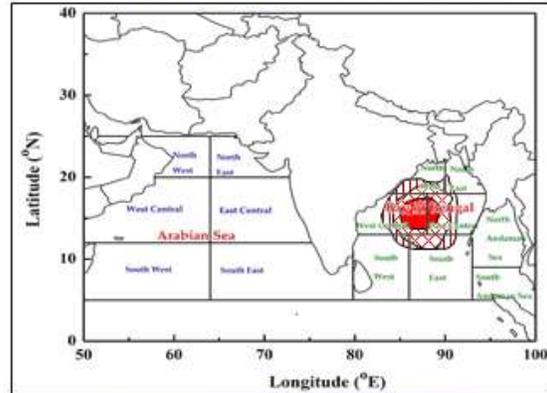
-  Heavy Rain
-  Strong Winds

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

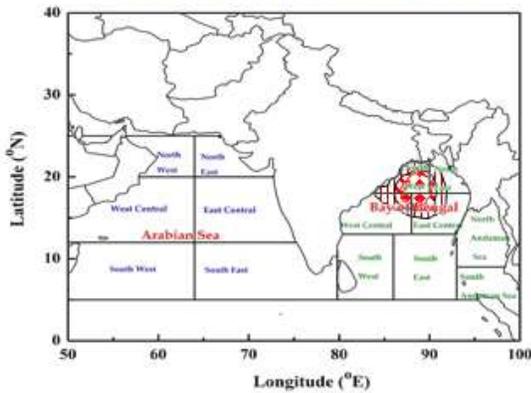
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



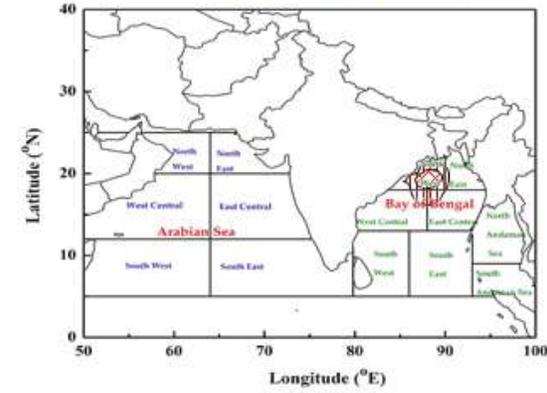
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



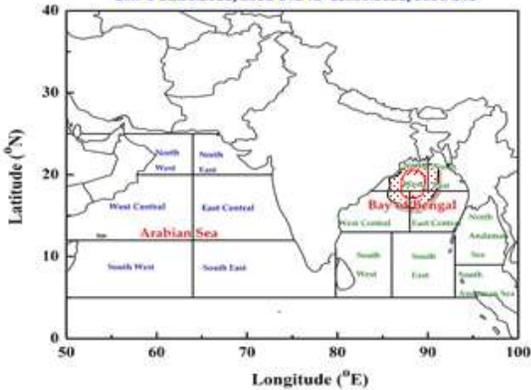
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



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