



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 12 (BOB/03/2022)

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DATED: 09.05.2022

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**Sub: Severe Cyclonic Storm 'ASANI' over Westcentral and adjoining South Bay of
Bengal**

The **Severe Cyclonic Storm 'Asani'** (pronounced as **Asani**) over Southeast and adjoining Westcentral Bay of Bengal moved nearly west-northwestwards with a speed of 25 kmph during past 06 hours and lay centered at 0530 hours IST of today, the 09th May, over Westcentral and adjoining South Bay of Bengal, near latitude 13.7°N and longitude 86.3°E, about 870 km west-northwest of Car Nicobar (Nicobar Islands), 730 km west-northwest of Port Blair (Andaman Islands), 550 km southeast of Visakhapatnam (Andhra Pradesh) and 680 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards till 10th May 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. It is likely to weaken gradually into a Cyclonic Storm during next 48 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
09.05.22/0530	13.7/86.3	100-110 gusting to 120	Severe Cyclonic Storm
09.05.22/1130	13.2/86.0	100-110 gusting to 120	Severe Cyclonic Storm
09.05.22/1730	14.8/85.7	95-105 gusting to 115	Severe Cyclonic Storm
09.05.22/2330	15.3/85.4	90-100 gusting to 110	Severe Cyclonic Storm
10.05.22/0530	15.9/85.1	85-95 gusting to 105	Severe Cyclonic Storm
10.05.22/1730	16.7/84.9	75-85 gusting to 95	Cyclonic Storm
11.05.22/0530	17.7/85.3	70-80 gusting to 90	Cyclonic Storm
11.05.22/1730	18.3/85.8	60-70 gusting to 80	Cyclonic Storm
12.05.22/0530	18.8/86.4	50-60 gusting to 70	Deep Depression
12.05.22/1730	19.5/87.3	40-50 gusting to 60	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

- **9th May:** Gale wind, speed reaching 100-110 kmph gusting to 120 kmph prevailing over Westcentral and adjoining South Bay of Bengal. It would gradually decrease becoming 90-100 kmph gusting to 110 kmph over Westcentral and adjoining South Bay of Bengal.
- **10th May:** Gale wind speed reaching 85-95 kmph gusting to 105 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest Bay of Bengal. It would gradually decrease becoming 70-80 kmph gusting to 90 kmph 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 70-80 kmph gusting to 90 kmph is likely to prevail over northwest and adjoining Westcentral Bay of Bengal. It would gradually decrease becoming 60-70 kmph gusting to 80 kmph 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 50-60 kmph gusting to 70 kmph is likely to prevail over northwest Bay of Bengal. It would gradually decrease becoming 40-50 kmph gusting to 60 kmph 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

- **9th May:** Very High Sea conditions likely to continue to prevail over Westcentral and adjoining South Bay of Bengal.
- **10th May:** Very High Sea conditions likely to prevail 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 to very rough over Northwest Bay of Bengal and improve thereafter.

(iv) Fishermen Warning (Graphics enclosed)

- Fishermen are advised not to venture into Westcentral and adjoining South Bay of Bengal on 9th May, 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.

The system is under continuous surveillance and the next bulletin will be issued at 1130 hours IST of today, the 09th May, 2022.

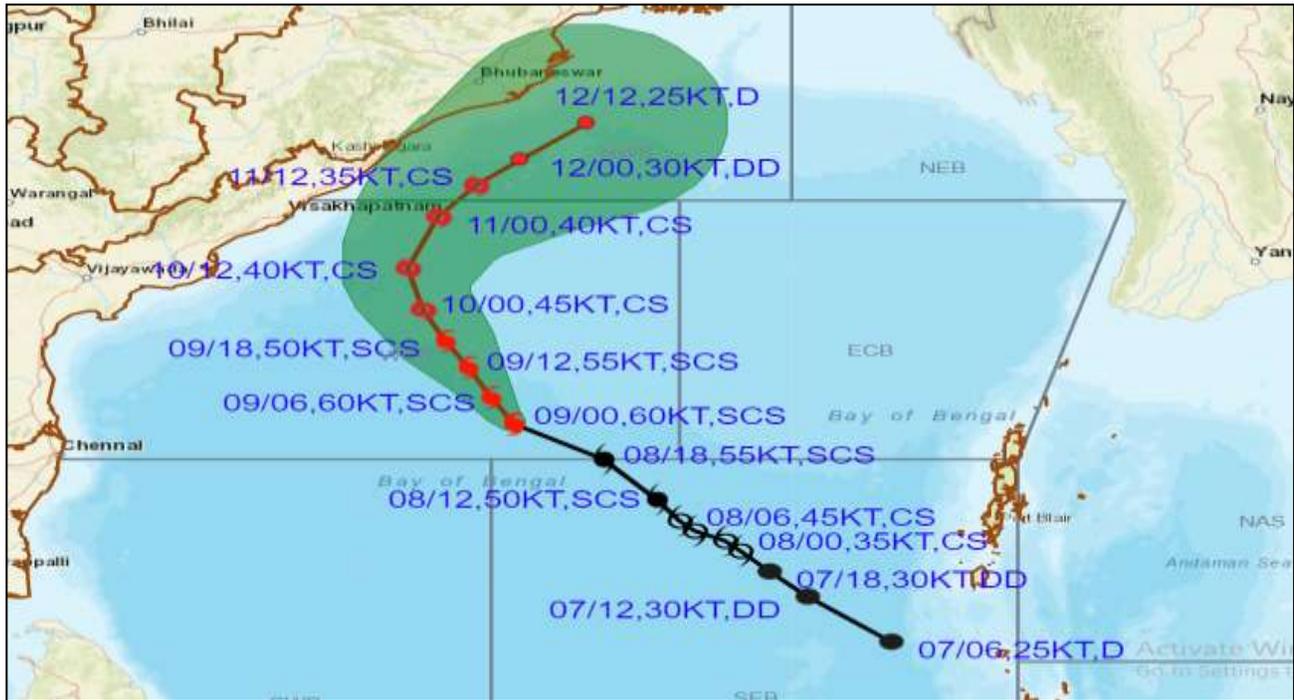
**(Krishna Mishra)
Scientist-C, RSMC, New Delhi**

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 SEVERE CYCLONIC STORM 'ASANI' ALONGWITH CONE OF UNCERTAINTY OVER WESTCENTRAL AND ADJOINING SOUTH BAY OF BENGAL BASED ON 0000 UTC OF 9TH 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 (≥20 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

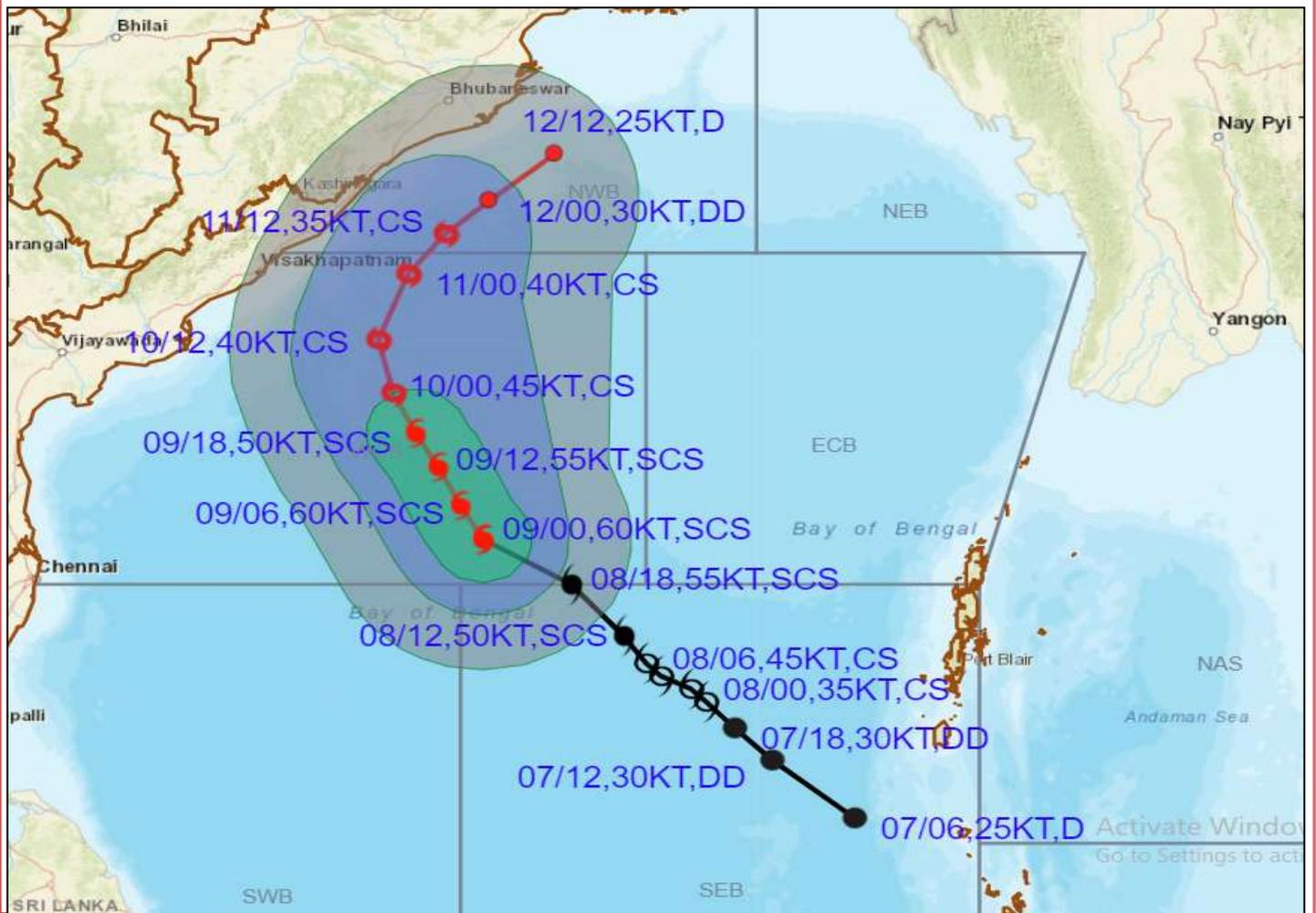
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	09.05.22/0000	10.05.22/0000	12.05.22/0000
CAR NICOBAR	870,WNW	1100,NW	1240,NNW
PORT BLAIR	730,WNW	930,WNW	1010,NW
VISHAKHAPATNAM	550,SE	280,SE	330,ENE
PURI	680,SSE	420,S	120,SSE

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
09.05.22/0000	0	13.7	86	VISHAKHAPATNAM/WALTAIR (548,SE)	VISHAKHAPATNAM (551,SE)	KALINGAPATAM (565,SSE)	KAKINADA (567,SE)	TUNI (572,SE)
09.05.22/0600	6	14.2	86	VISHAKHAPATNAM/WALTAIR (484,SE)	VISHAKHAPATNAM (487,SE)	KALINGAPATAM (501,SSE)	KAKINADA (507,SE)	TUNI (509,SE)
09.05.22/1200	12	14.8	86	VISHAKHAPATNAM/WALTAIR (411,SE)	VISHAKHAPATNAM (414,SE)	KALINGAPATAM (427,SSE)	TUNI (441,SE)	KAKINADA (442,ESE)
09.05.22/1800	18	15.3	85	VISHAKHAPATNAM/WALTAIR (347,SE)	VISHAKHAPATNAM (350,SE)	KALINGAPATAM (364,SSE)	TUNI (380,SE)	KAKINADA (385,ESE)
10.05.22/0000	24	15.9	85	VISHAKHAPATNAM/WALTAIR (276,SE)	VISHAKHAPATNAM (279,SE)	KALINGAPATAM (290,SSE)	TUNI (316,ESE)	KAKINADA (328,ESE)
10.05.22/1200	36	16.7	85	KALINGAPATAM (199,SSE)	VISHAKHAPATNAM/WALTAIR (202,ESE)	VISHAKHAPATNAM (204,ESE)	TUNI (260,ESE)	KAKINADA (286,E)
11.05.22/0000	48	17.7	85	KALINGAPATAM (142,ESE)	GOPALPUR (180,SSE)	VISHAKHAPATNAM (212,E)	VISHAKHAPATNAM/WALTAIR (212,E)	PURI (240,SSW)
11.05.22/1200	60	18.3	86	GOPALPUR (145,SE)	PURI (167,S)	KALINGAPATAM (176,E)	BHUBANESHWAR (217,S)	PARADIP (CWR) (241,SSW)
12.05.22/0000	72	18.8	86	PURI (127,SSE)	GOPALPUR (168,ESE)	PARADIP (CWR) (170,S)	BHUBANESHWAR (172,SSE)	CUTTACK (192,SSE)
12.05.22/1200	84	19.5	87	PARADIP (CWR) (110,SE)	CHANDBALI (155,SSE)	PURI (159,ESE)	BHUBANESHWAR (175,ESE)	CUTTACK (179,SE)

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 SEVERE CYCLONIC STORM 'ASANI' OVER WESTCENTRAL AND ADJOINING SOUTH BAY OF BENGAL BASED ON 0000 UTC OF 9TH 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

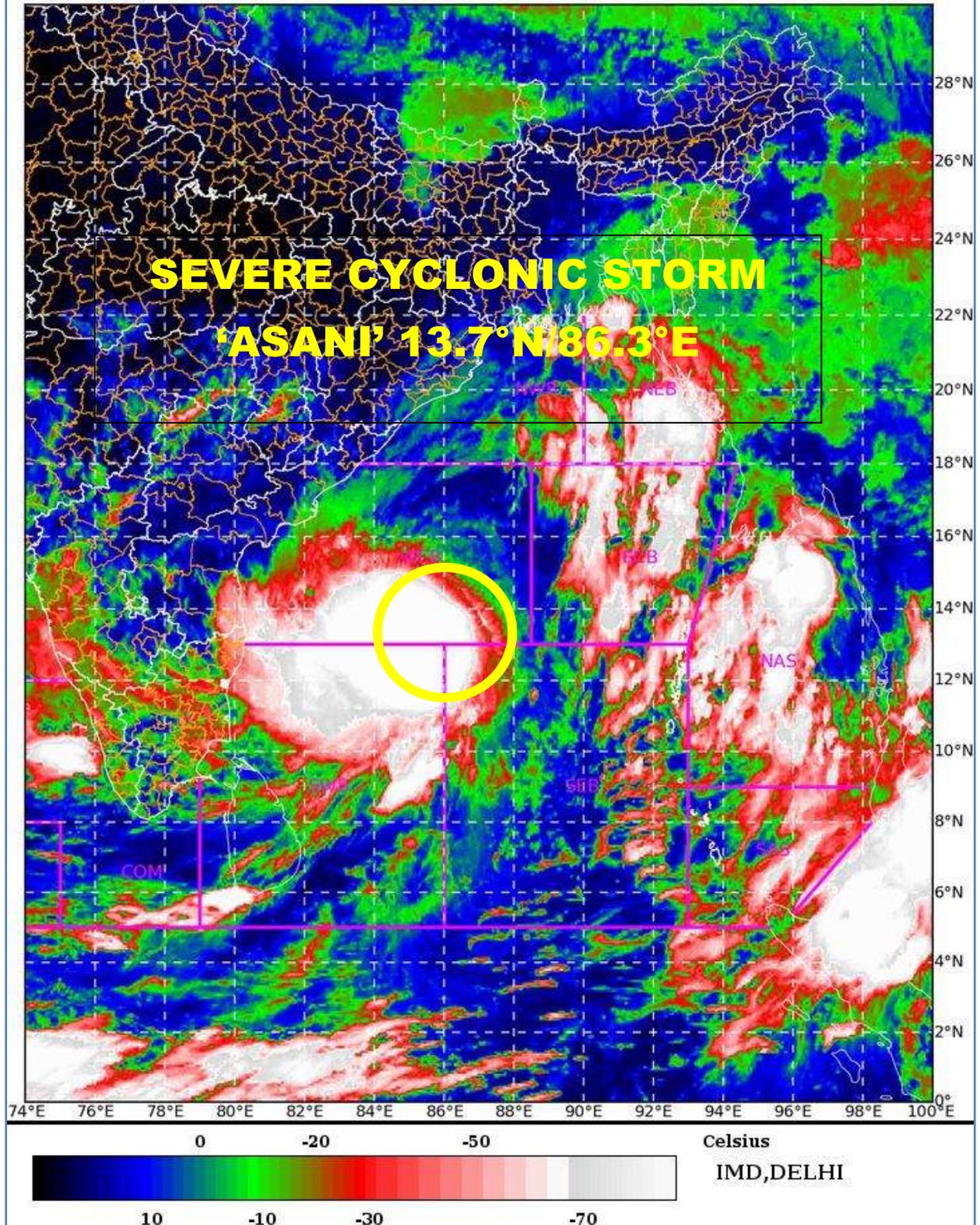
SAT : INSAT-3D IMG

09-05-2022/(0200 to 0226) GMT

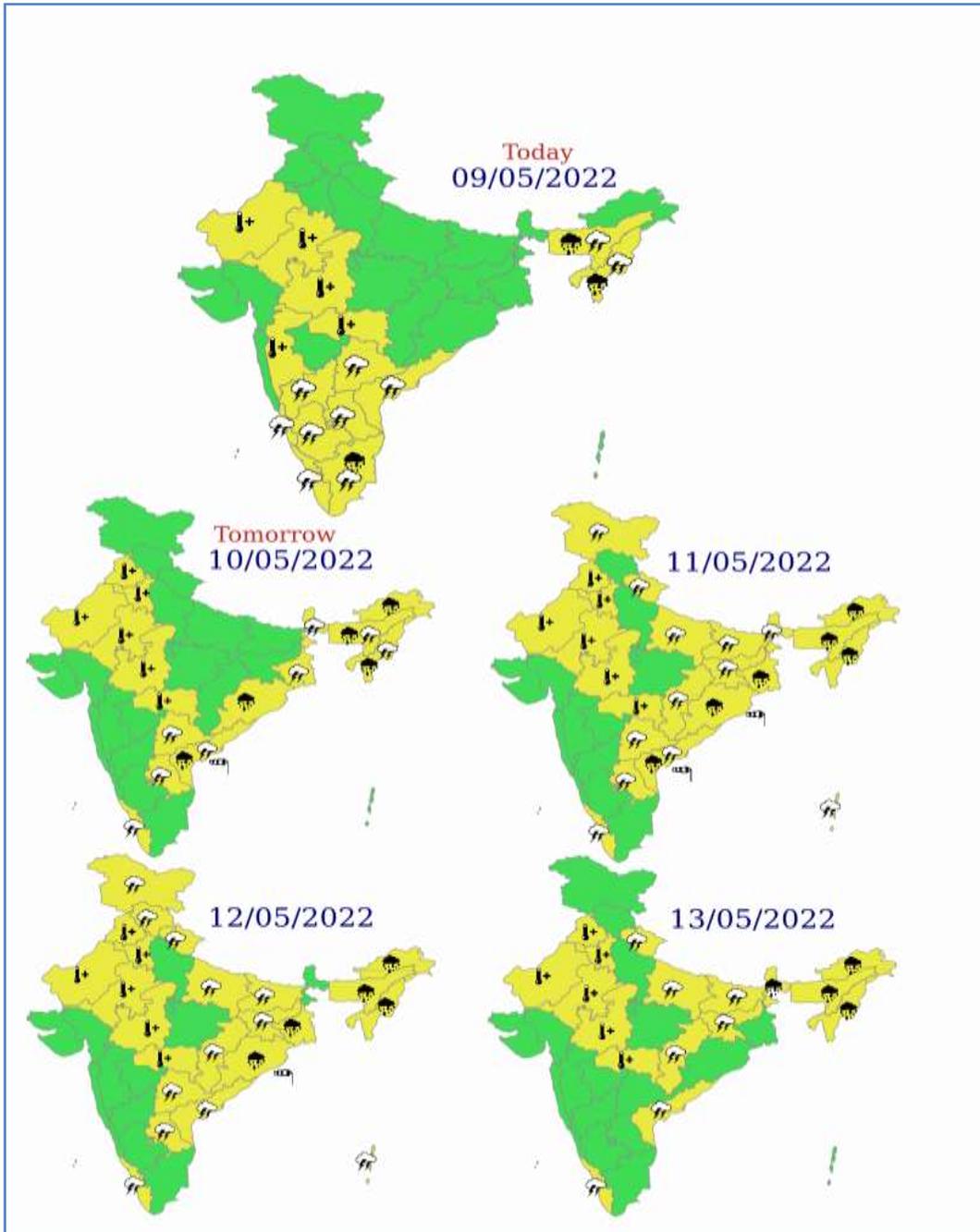
IMG_TIR1_TEMP 10.8 um

09-05-2022/(0730 to 0756) IST

L1C Mercator



Heavy rainfall warning Graphics



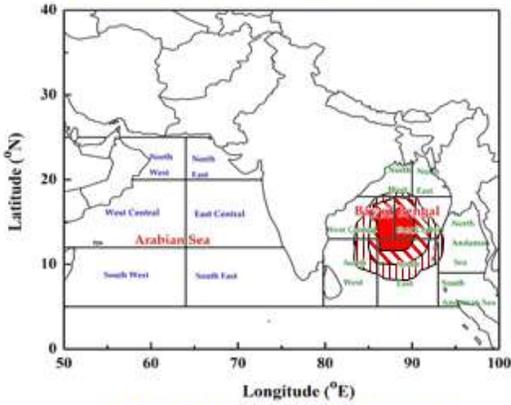
WARNING

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

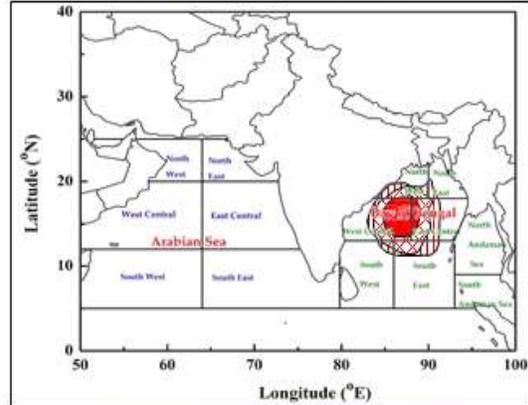
-  Heavy Rain
-  Strong Winds

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

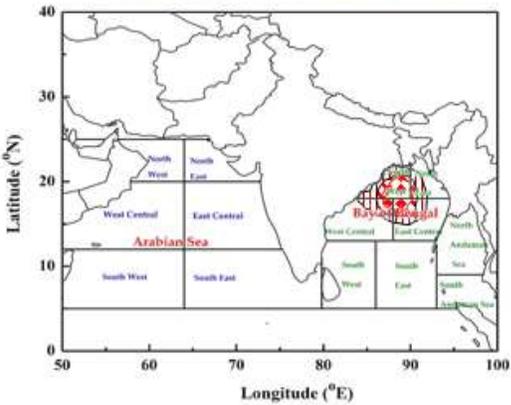
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



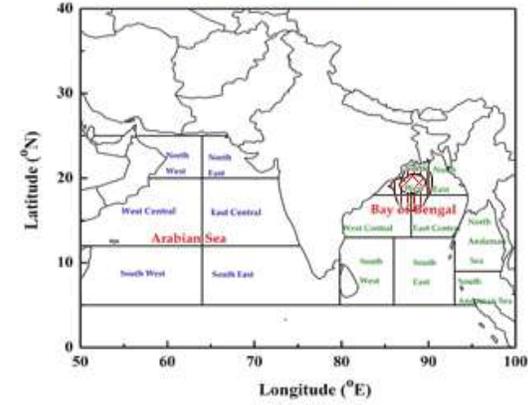
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



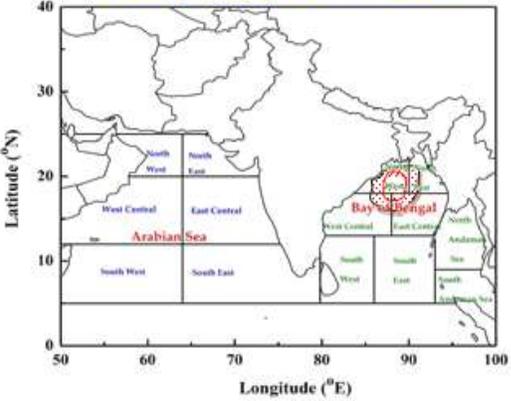
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



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