



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 10 (BOB/03/2022)

TIME OF ISSUE: 0230 HOURS IST

DATED: 09.05.2022

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

The **Severe Cyclonic Storm 'Asani'** (pronounced as **Asani**) over Southeast and adjoining Eastcentral Bay of Bengal moved nearly northwestwards with a speed of 19 kmph during past 06 hours and lay centered at 2330 hours IST of yesterday, the 08th May, over Southeast and adjoining Westcentral Bay of Bengal, near latitude 13.0°N and longitude 87.5°E, about 710 km northwest of Car Nicobar (Nicobar Islands), 570 km west-northwest of Port Blair (Andaman Islands), 670 km southeast of Visakhapatnam (Andhra Pradesh) and 750 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards till 10th May night 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
08.05.22/2330	13.0/87.5	95-105 gusting to 115	Severe Cyclonic Storm
09.05.22/0530	13.8/87.1	100-110 gusting to 120	Severe Cyclonic Storm
09.05.22/1130	14.6/86.7	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1730	15.2/86.4	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	16.8/85.7	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/2330	17.6/85.4	80-90 gusting to 100	Cyclonic Storm
11.05.22/1130	18.1/85.5	70-80 gusting to 90	Cyclonic Storm
11.05.22/2330	18.6/85.8	70-80 gusting to 90	Cyclonic Storm
12.05.22/1130	19.1/86.3	60-70 gusting to 80	Cyclonic Storm
12.05.22/2330	19.7/87.2	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 95-105 kmph gusting to 115 kmph prevailing over Southeast and adjoining Southwest & Central Bay of Bengal. It would gradually increase becoming 105-115 kmph gusting to 125 kmph over Westcentral and adjoining Eastcentral & South Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Andaman Islands.
- **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

- **9th May:** High to Very High Sea conditions are prevailing over Southeast and adjoining Southwest & Central Bay of Bengal. It is likely to gradually increase becoming very high over Westcentral and adjoining Eastcentral & South 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 to very rough 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 Southeast and adjoining Southwest & Central 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.

The system is under continuous surveillance and the next bulletin will be issued at 0530 hours IST of today, the 09th May, 2022.

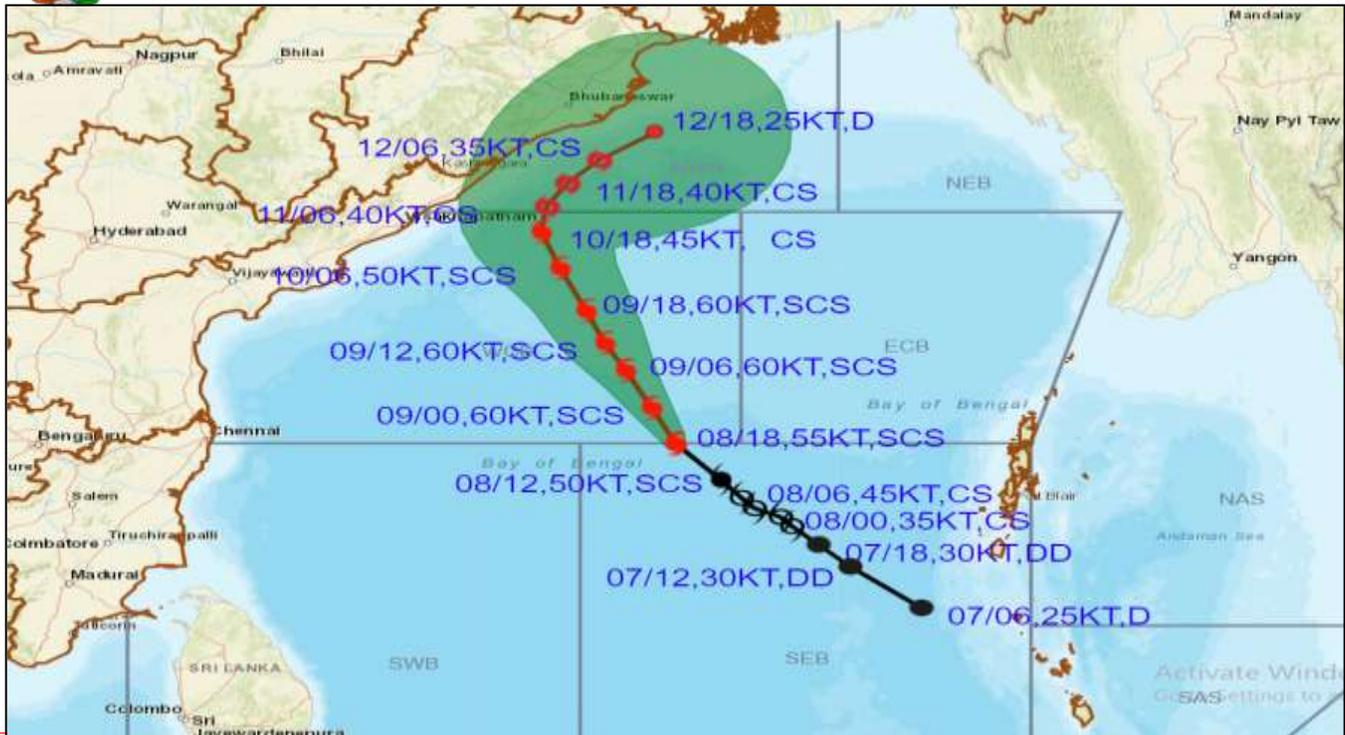
(Krishna Mishra)
Scientist-C, RSMC, New Delhi

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 SOUTHEAST AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 1800 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)
 VSXS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (≥20 KT)

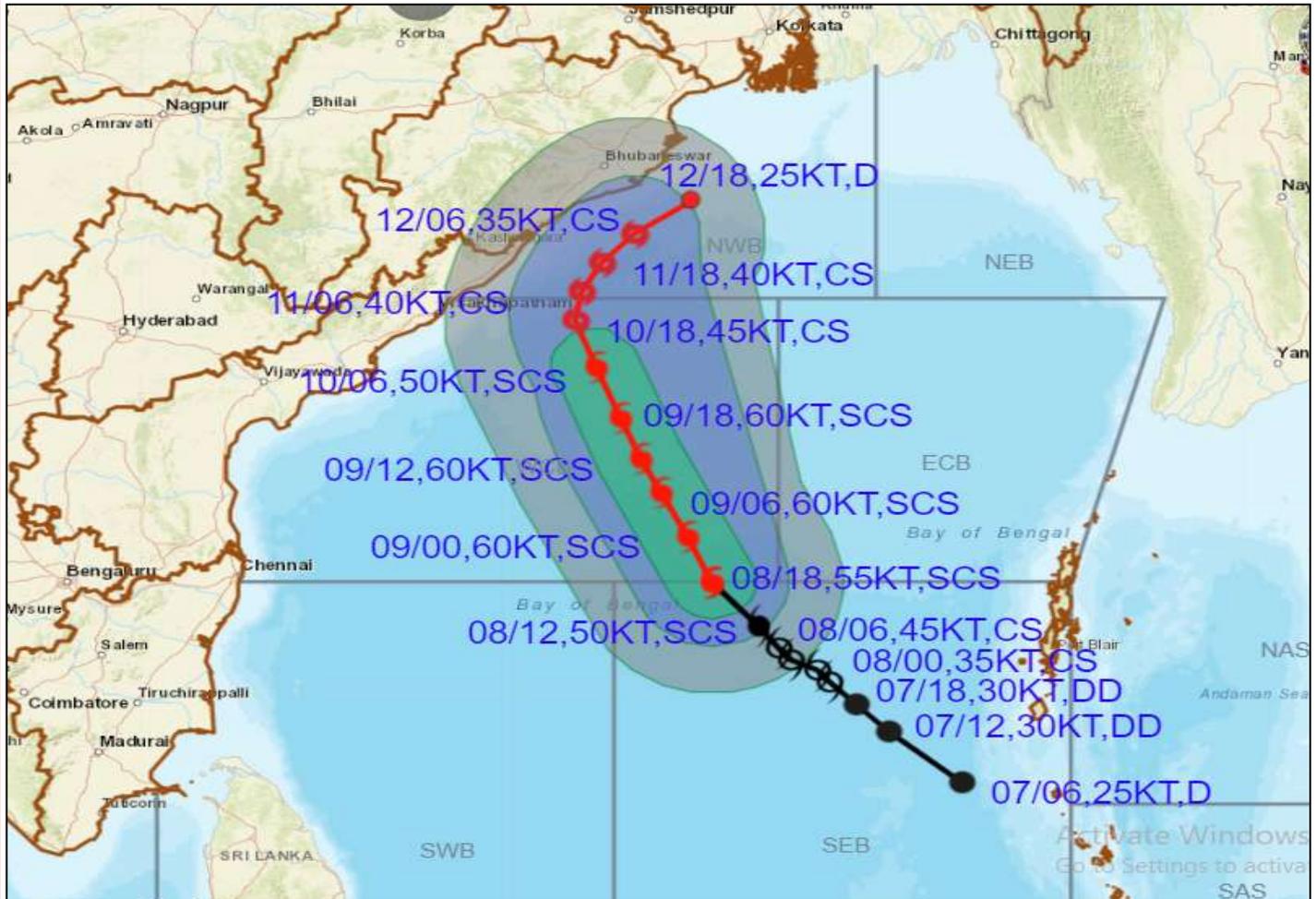
- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	08.05.22/1800	09.05.22/1800	11.05.22/1800
CAR NICOBAR	710,NW	1020,NW	1250,NW
PORT BLAIR	570,WNW	840,NW	1040,NW
VISHAKHAPATNAM	670,SE	350,ESE	270,ENE
PURI	750,SSE	420,S	120,S

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
08.05.22/1800	0	13	88	PORT BLAIR (586,WNW)	MAYA BANDAR (588,W)	LONG ISLAND (594,W)	HUT BAY (612,WNW)	VISHAKHAPATNAM/WALTAIR (689,SE)
09.05.22/0000	6	13.8	87	VISHAKHAPATNAM/WALTAIR (594,SE)	KALINGAPATAM (596,SSE)	VISHAKHAPATNAM (596,SE)	TUNI (628,SE)	KAKINADA (629,ESE)
09.05.22/0600	12	14.6	87	KALINGAPATAM (498,SE)	VISHAKHAPATNAM/WALTAIR (500,SE)	VISHAKHAPATNAM (502,SE)	TUNI (539,SE)	KAKINADA (545,ESE)
09.05.22/1200	18	15.2	86	KALINGAPATAM (424,SE)	VISHAKHAPATNAM/WALTAIR (431,SE)	VISHAKHAPATNAM (434,SE)	TUNI (476,ESE)	GOPALPUR (481,SSE)
09.05.22/1800	24	15.9	86	KALINGAPATAM (342,SE)	VISHAKHAPATNAM/WALTAIR (358,ESE)	VISHAKHAPATNAM (360,ESE)	GOPALPUR (396,SSE)	TUNI (412,ESE)
10.05.22/0600	36	16.8	86	KALINGAPATAM (238,SE)	VISHAKHAPATNAM/WALTAIR (273,ESE)	VISHAKHAPATNAM (275,ESE)	GOPALPUR (288,SSE)	PURI (334,S)
10.05.22/1800	48	17.6	85	KALINGAPATAM (157,ESE)	GOPALPUR (193,SSE)	VISHAKHAPATNAM/WALTAIR (223,E)	VISHAKHAPATNAM (223,E)	PURI (249,S)
11.05.22/0600	60	18.1	86	GOPALPUR (145,SSE)	KALINGAPATAM (147,E)	PURI (192,S)	VISHAKHAPATNAM (237,E)	VISHAKHAPATNAM/WALTAIR (238,ENE)
11.05.22/1800	72	18.6	86	GOPALPUR (122,SE)	PURI (134,S)	KALINGAPATAM (178,E)	BHUBANESHWAR (184,S)	CUTTACK (208,S)
12.05.22/0600	84	19.1	86	PURI (93,SSE)	BHUBANESHWAR (137,SSE)	PARADIP (CWR) (139,SSW)	GOPALPUR (150,E)	CUTTACK (157,SSE)
12.05.22/1800	96	19.7	87	PARADIP (CWR) (86,SE)	CHANDBALI (130,SSE)	PURI (145,E)	BHUBANESHWAR (156,ESE)	CUTTACK (158,ESE)



FORECAST TRACK AND INTENSITY ALONGWITH QUADRANT WIND DISTRIBUTION SEVERE CYCLONIC STORM 'ASANI' OVER SOUTHEAST AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 1800 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

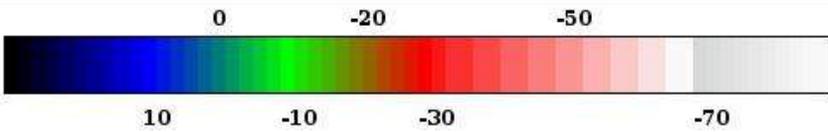
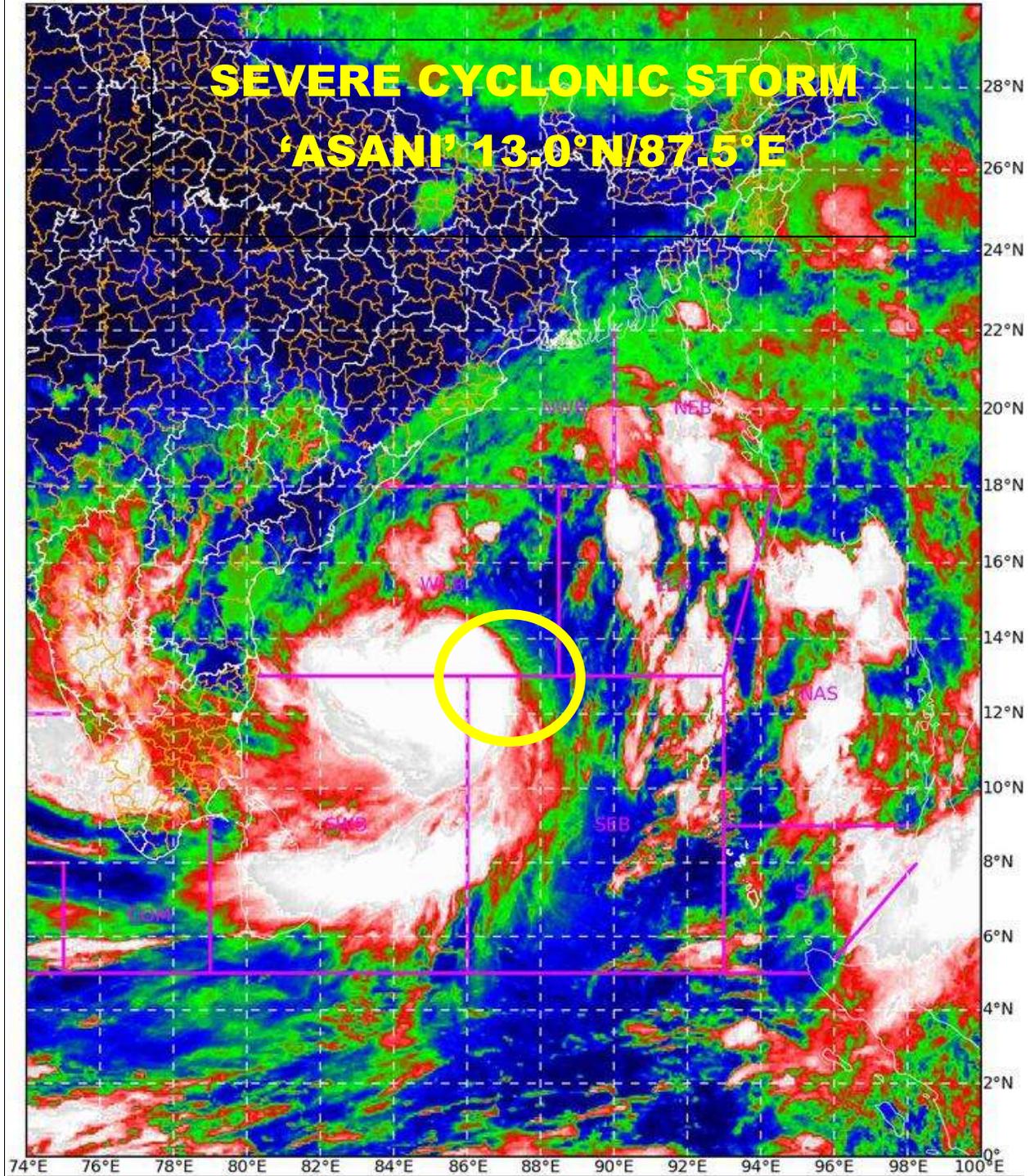
SAT : INSAT-3D IMG

08-05-2022/(2000 to 2026) GMT

IMG_TIR1_TEMP 10.8 um

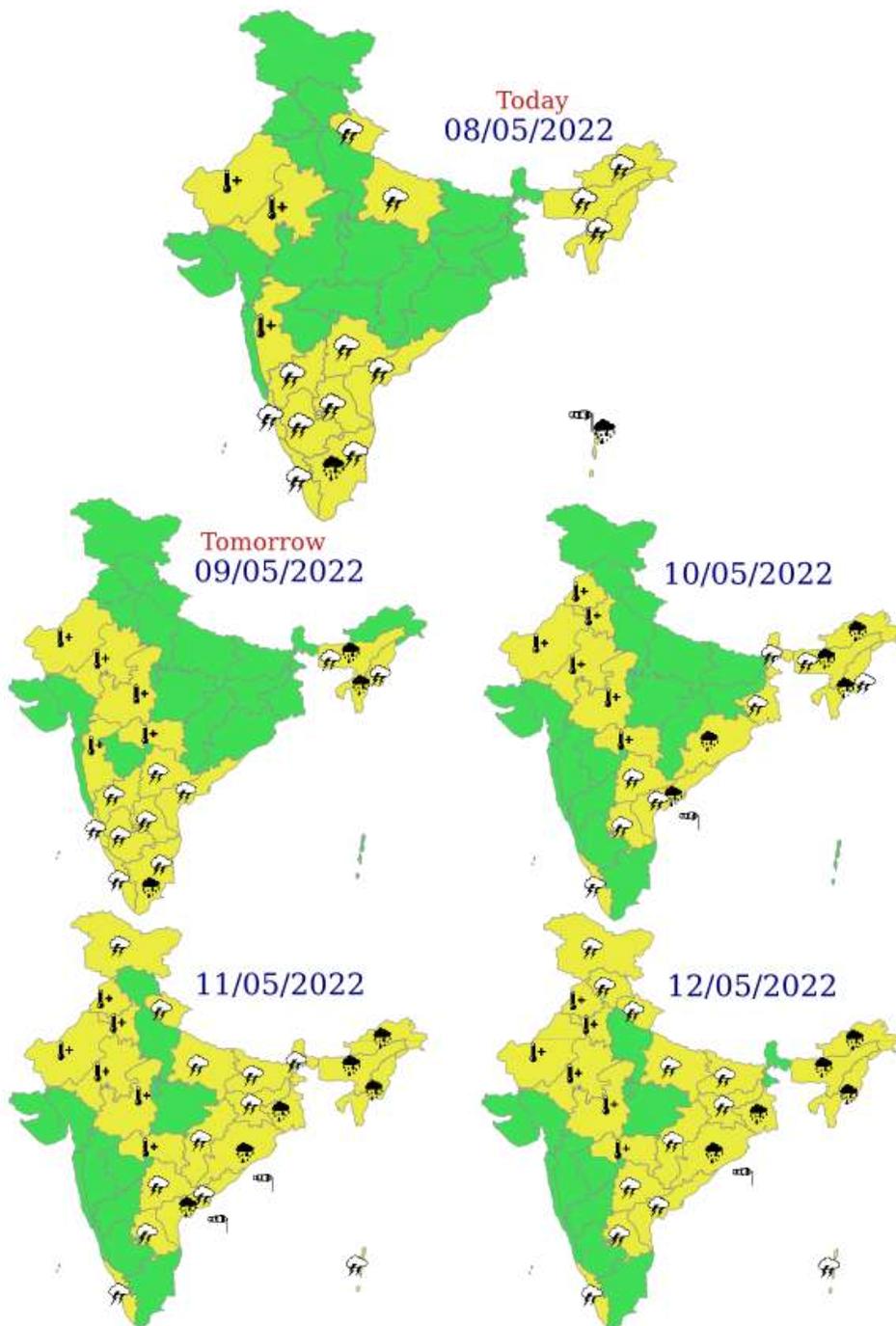
09-05-2022/(0130 to 0156) IST

L1C Mercator



Celsius
IMD, DELHI

Heavy rainfall warning Graphics



WARNING

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

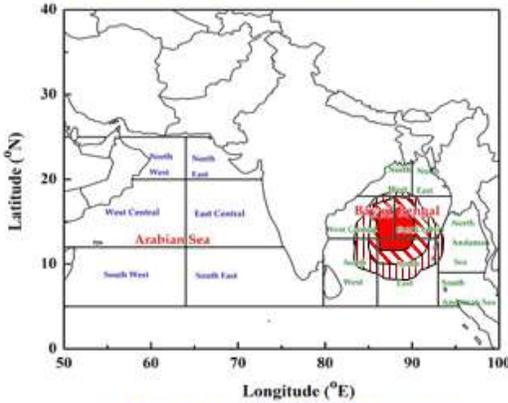


Heavy Rain

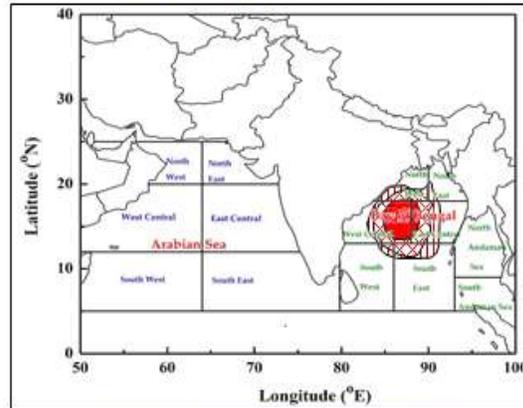
Strong Winds

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

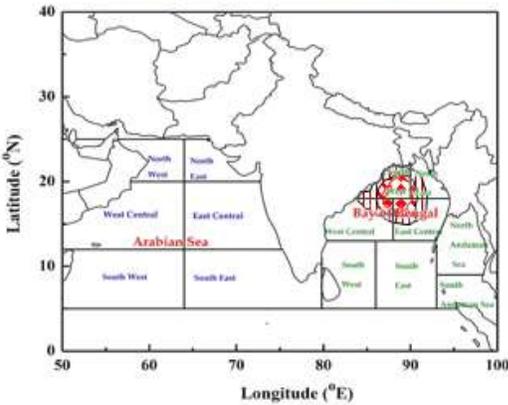
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



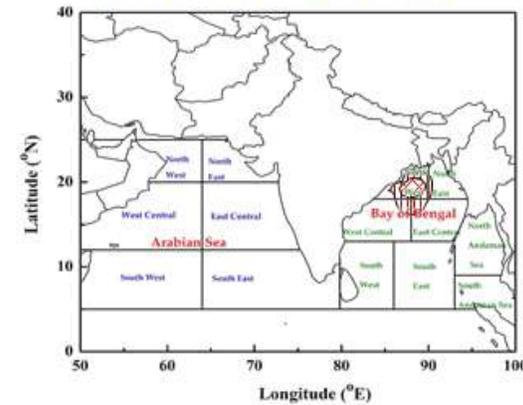
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



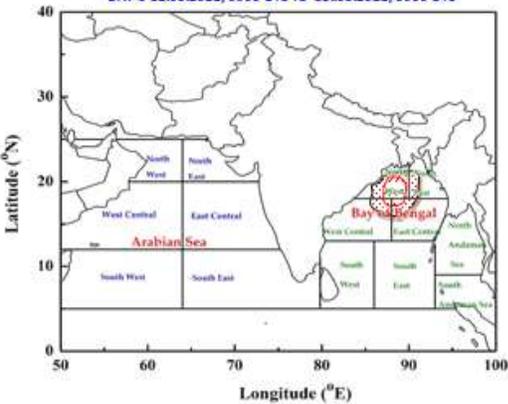
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



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