



**India Meteorological Department  
(Ministry of Earth Sciences)**

**BULLETIN NO. 9 (BOB/03/2022)**

**TIME OF ISSUE: 2215 HOURS IST**

**DATED: 08.05.2022**

**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: Severe Cyclonic Storm 'ASANI' over Southeast and adjoining Eastcentral  
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 14 kmph during past 06 hours and lay centered at 2030 hours IST of today, the 08<sup>th</sup> May, over Southeast and adjoining Eastcentral Bay of Bengal, near latitude 12.4°N and longitude 87.9°E, about 640 km west-northwest of Car Nicobar (Nicobar Islands), 530 km west of Port Blair (Andaman Islands), 770 km southeast of Visakhapatnam (Andhra Pradesh) and 850 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards till 10<sup>th</sup> 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
08.05.22/2030	12.4/87.9	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	100-110 gusting to 120	Severe Cyclonic Storm
09.05.22/1130	14.9/86.8	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1730	15.4/86.5	105-115 gusting to 125	Severe Cyclonic Storm
10.05.22/0530	16.4/85.9	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/1730	17.2/85.5	90-100 gusting to 110	Severe Cyclonic Storm
11.05.22/0530	17.9/85.4	80-90 gusting to 100	Cyclonic Storm
11.05.22/1730	18.4/85.6	70-80 gusting to 90	Cyclonic Storm
12.05.22/0530	18.9/86.0	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)**

**10<sup>th</sup> 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 10<sup>th</sup> evening.

**11<sup>th</sup> 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.

**12<sup>th</sup> 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**

- **8<sup>th</sup> May:** Gale wind speed reaching 90-100 kmph gusting to 110 kmph is likely to prevail over Southeast and adjoining central Bay of Bengal and it would gradually increase becoming 95-105 kmph gusting to 115 kmph over the same region. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Andaman Islands.
- **9<sup>th</sup> May:** Gale wind speed reaching 105-115 kmph gusting to 125 kmph is likely to prevail over central parts of Bay of Bengal.
- **10<sup>th</sup> 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.
- **11<sup>th</sup> 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.
- **12<sup>th</sup> 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**

- **8<sup>th</sup> May:** Sea condition is very likely to become high to very high over Southeast & adjoining central Bay of Bengal. The sea condition is likely to be rough over Andaman Sea.
- **9<sup>th</sup> May:** Sea condition is likely to become very high over central parts of Bay of Bengal.

- **10<sup>th</sup> May:** Sea condition is likely to become very high over Westcentral & adjoining Northwest Bay of Bengal.
- **11<sup>th</sup> May:** Sea condition is likely to become high to very high over Northwest and adjoining Westcentral Bay of Bengal.
- **12<sup>th</sup> 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 8<sup>th</sup> May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 9<sup>th</sup>, into westcentral Bay of Bengal on 9<sup>th</sup> & 10<sup>th</sup> and into Northwest Bay of Bengal during 10<sup>th</sup> to 12<sup>th</sup> May.
- Fishermen out at sea are advised to return to coast.

**(v) ACTION SUGGESTED for Andaman and Nicobar Islands on 8<sup>th</sup> 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 0230 hours IST of tomorrow, the 09<sup>th</sup> May, 2022.**

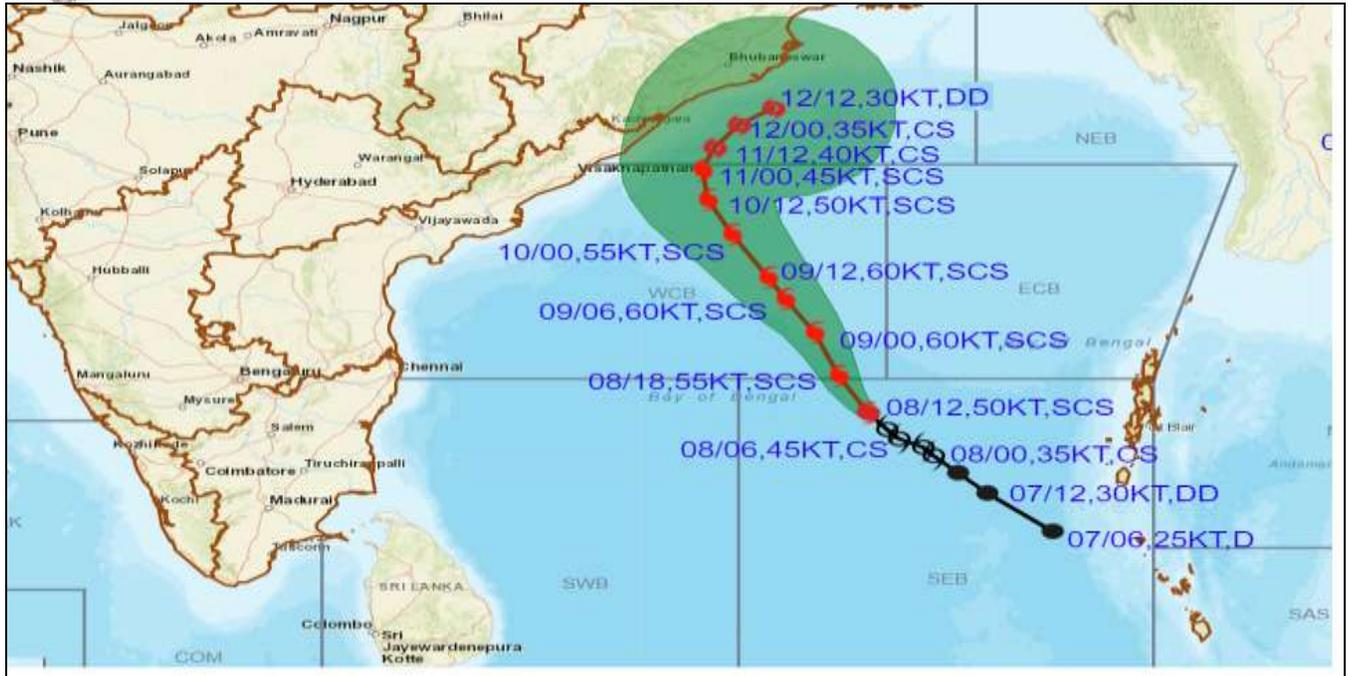
**(Krishna Mishra)  
Scientist-C, RSMC, New Delhi**

*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 EASTCENTRAL BAY OF BENGAL BASED ON 1200 UTC OF 8<sup>TH</sup> 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

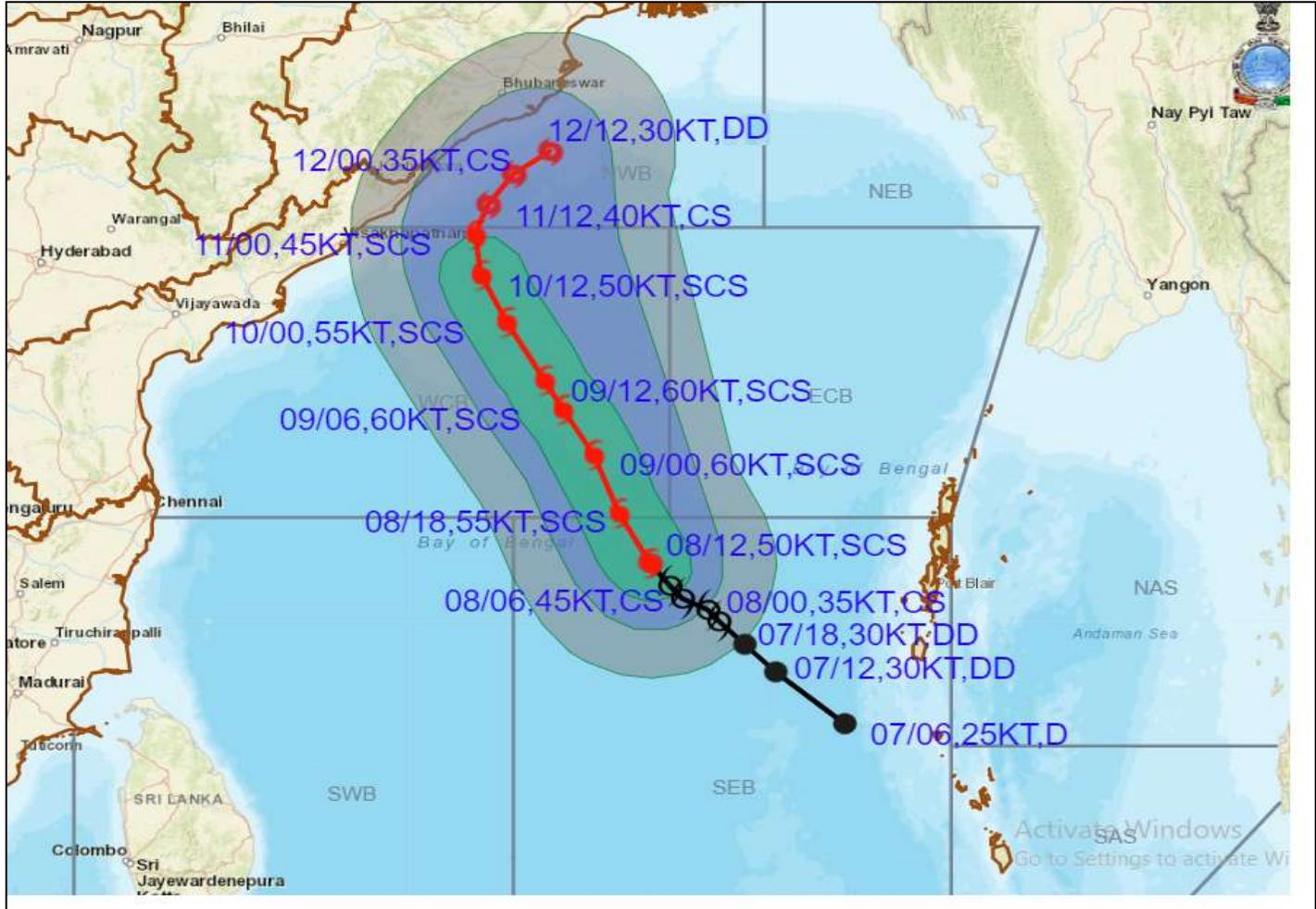
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	08.05.22/1200	09.05.22/1200	11.05.22/1200
CAR NICOBAR	610,NW	960,NW	1250,NW
PORT BLAIR	500,W	770,WNW	1040,NW
VISHAKHAPATNAM	810,SE	410,SE	240,ENE
PURI	880,SSE	480,S	150,S

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
08.05.22/1200	0	12.2	88	PORT BLAIR (495,W)	HUT BAY (508,WNW)	LONG ISLAND (515,W)	MAYA BANDAR (519,W)	CAR NICOBAR (609,NW)
08.05.22/1800	6	13.1	88	MAYA BANDAR (566,W)	PORT BLAIR (568,WNW)	LONG ISLAND (573,W)	HUT BAY (598,WNW)	VISHAKHAPATNAM/WALTAIR (695,SE)
09.05.22/0000	12	14.1	87	KALINGAPATAM (580,SE)	VISHAKHAPATNAM/WALTAIR (585,SE)	VISHAKHAPATNAM (588,SE)	MAYA BANDAR (622,WNW)	TUNI (624,SE)
09.05.22/0600	18	14.9	87	KALINGAPATAM (476,SE)	VISHAKHAPATNAM/WALTAIR (486,SE)	VISHAKHAPATNAM (488,SE)	GOPALPUR (527,SSE)	TUNI (530,ESE)
09.05.22/1200	24	15.4	87	KALINGAPATAM (413,SE)	VISHAKHAPATNAM/WALTAIR (426,SE)	VISHAKHAPATNAM (428,SE)	GOPALPUR (463,SSE)	TUNI (474,ESE)
10.05.22/0000	36	16.4	86	KALINGAPATAM (286,SE)	VISHAKHAPATNAM/WALTAIR (311,ESE)	VISHAKHAPATNAM (313,ESE)	GOPALPUR (337,SSE)	TUNI (372,ESE)
10.05.22/1200	48	17.2	86	KALINGAPATAM (192,SE)	GOPALPUR (239,SSE)	VISHAKHAPATNAM/WALTAIR (240,ESE)	VISHAKHAPATNAM (241,ESE)	PURI (291,S)
11.05.22/0000	60	17.9	85	KALINGAPATAM (142,ESE)	GOPALPUR (162,SSE)	PURI (216,SSW)	VISHAKHAPATNAM (224,E)	VISHAKHAPATNAM/WALTAIR (224,E)
11.05.22/1200	72	18.4	86	GOPALPUR (123,SE)	KALINGAPATAM (155,E)	PURI (158,S)	BHUBANESHWAR (207,S)	CUTTACK (233,S)
12.05.22/0000	84	18.9	86	PURI (102,S)	GOPALPUR (124,ESE)	BHUBANESHWAR (151,S)	PARADIP (CWR) (172,SSW)	CUTTACK (175,S)
12.05.22/1200	96	19.3	87	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 FOR SEVERE CYCLONIC STORM 'ASANI' OVER SOUTHEAST AND ADJOINING EASTCENTRAL BAY OF BENGAL BASED ON 1200 UTC OF 8<sup>TH</sup> 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

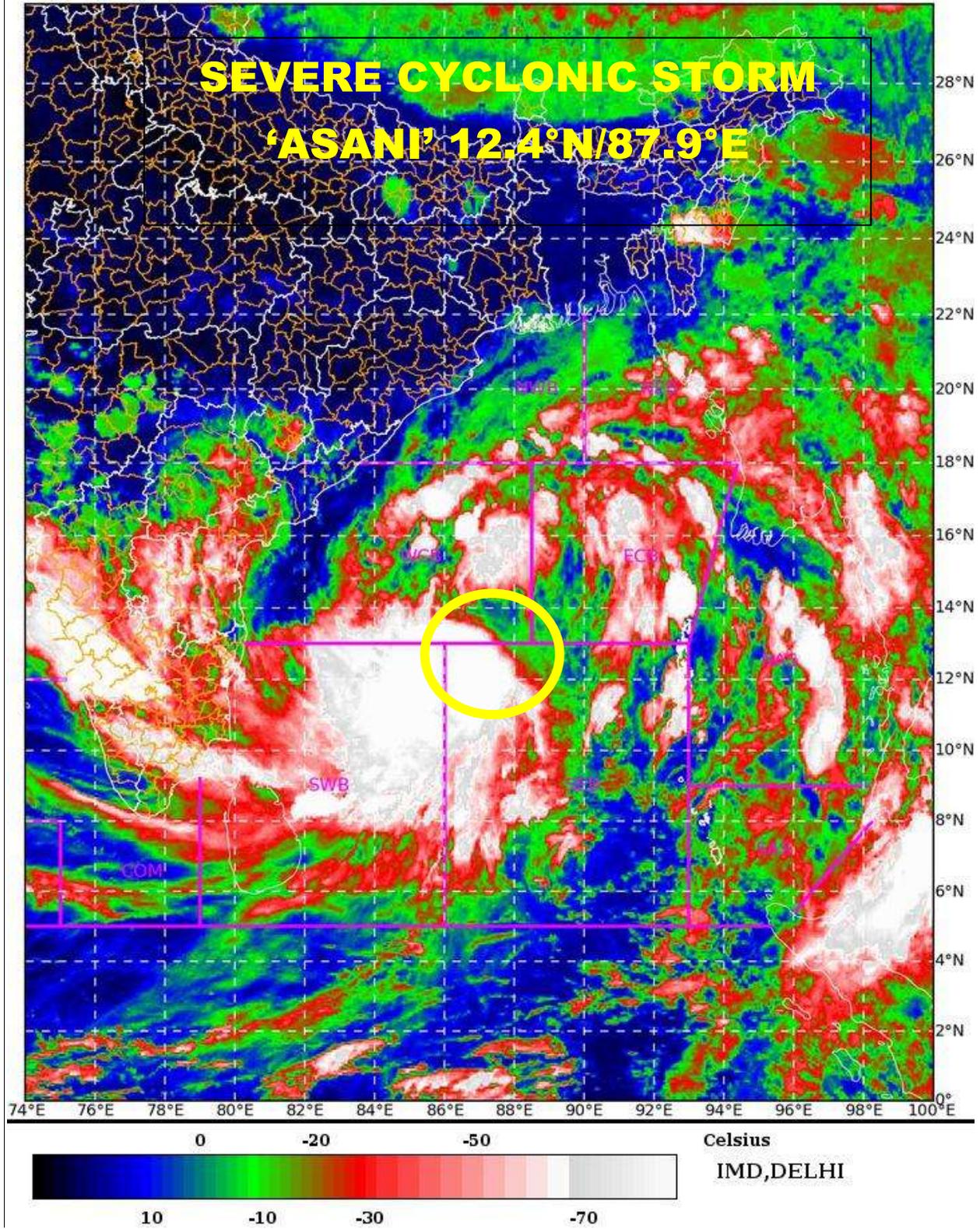
SAT : INSAT-3D IMG

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

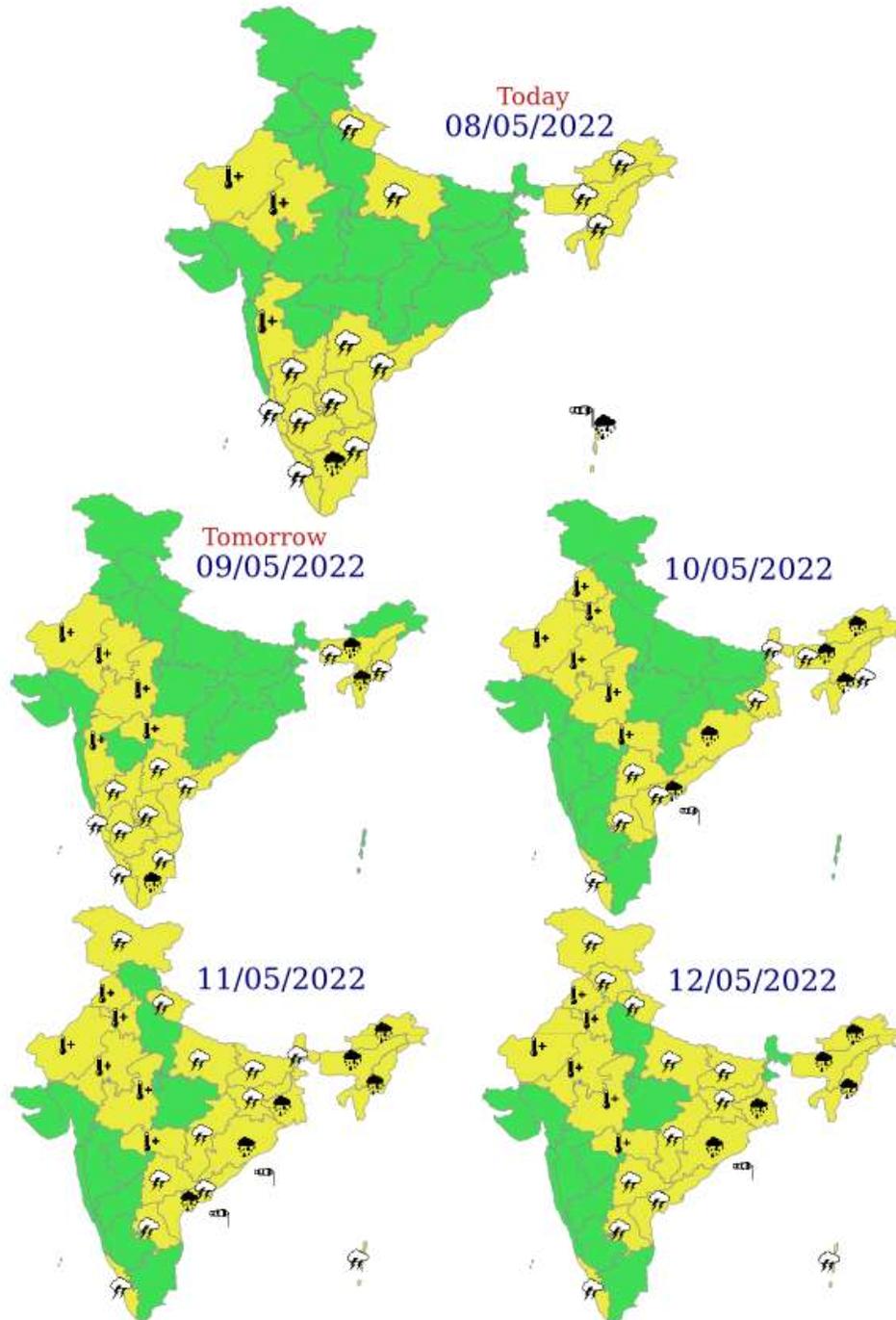
IMG\_TIR1\_TEMP 10.8 um

08-05-2022/(2100 to 2126) IST

L1C Mercator



## Heavy rainfall warning Graphics



# WARNING

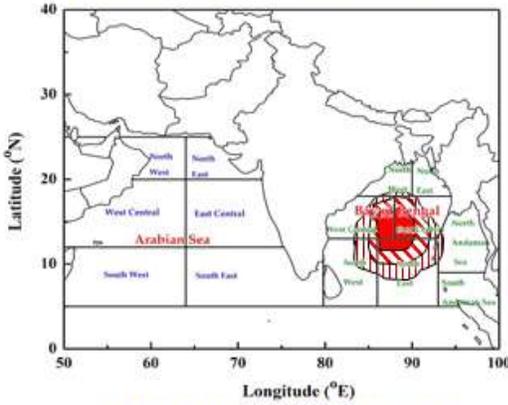
<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

Heavy Rain

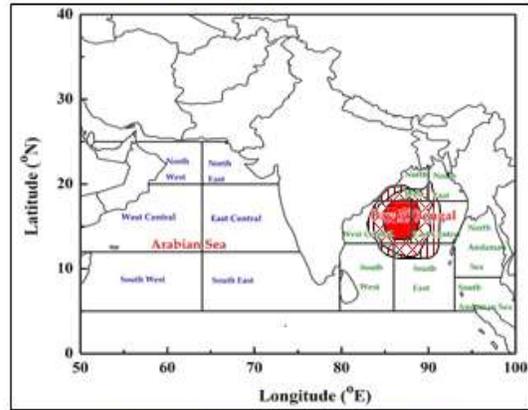
Strong Winds

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

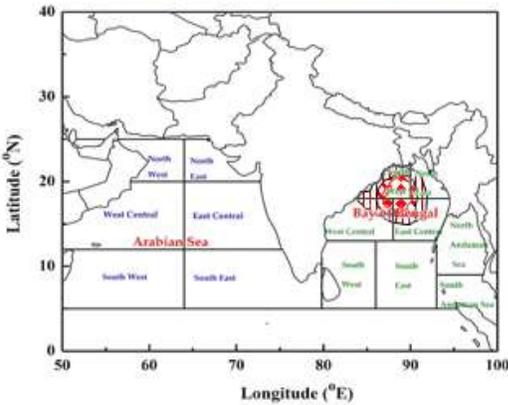
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



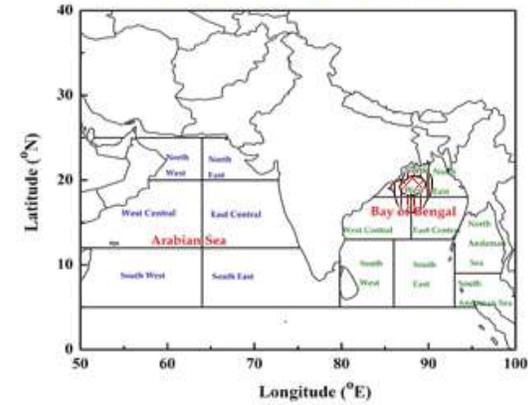
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



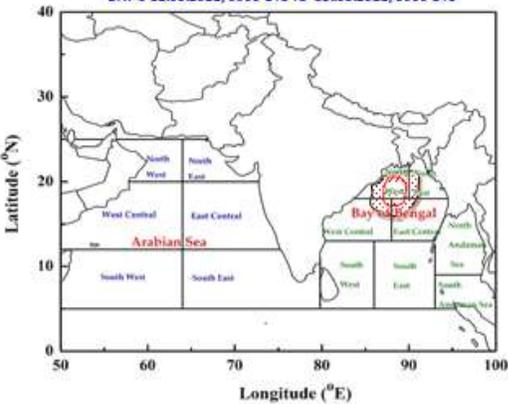
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



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