



India Meteorological Department  
(Ministry of Earth Sciences)

BULLETIN NO. 8 (BOB/03/2022)

TIME OF ISSUE: 2030 HOURS IST

DATED: 08.05.2022

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

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NO.23316745)

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**Sub: Cyclonic Storm 'ASANI' over Southeast Bay of Bengal intensified into a severe cyclonic storm over Southeast and adjoining Eastcentral 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, **intensified into a severe cyclonic storm** and lay centered at 1730 hours IST of today, the 08<sup>th</sup> May, over Southeast and adjoining Eastcentral Bay of Bengal, near latitude 12.2°N and longitude 88.2°E, about 610 km northwest of Car Nicobar (Nicobar Islands), 500 km west of Port Blair (Andaman Islands), 810 km southeast of Visakhapatnam (Andhra Pradesh) and 880 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<br>(Lat. °N/ long. °E) | Maximum sustained surface<br>wind speed (Kmph) | Category of cyclonic<br>disturbance |
|----------------|---------------------------------|--|-------------------------------------|
| 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                       | 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 2330 hours IST of today, the 08<sup>th</sup> May, 2022.**

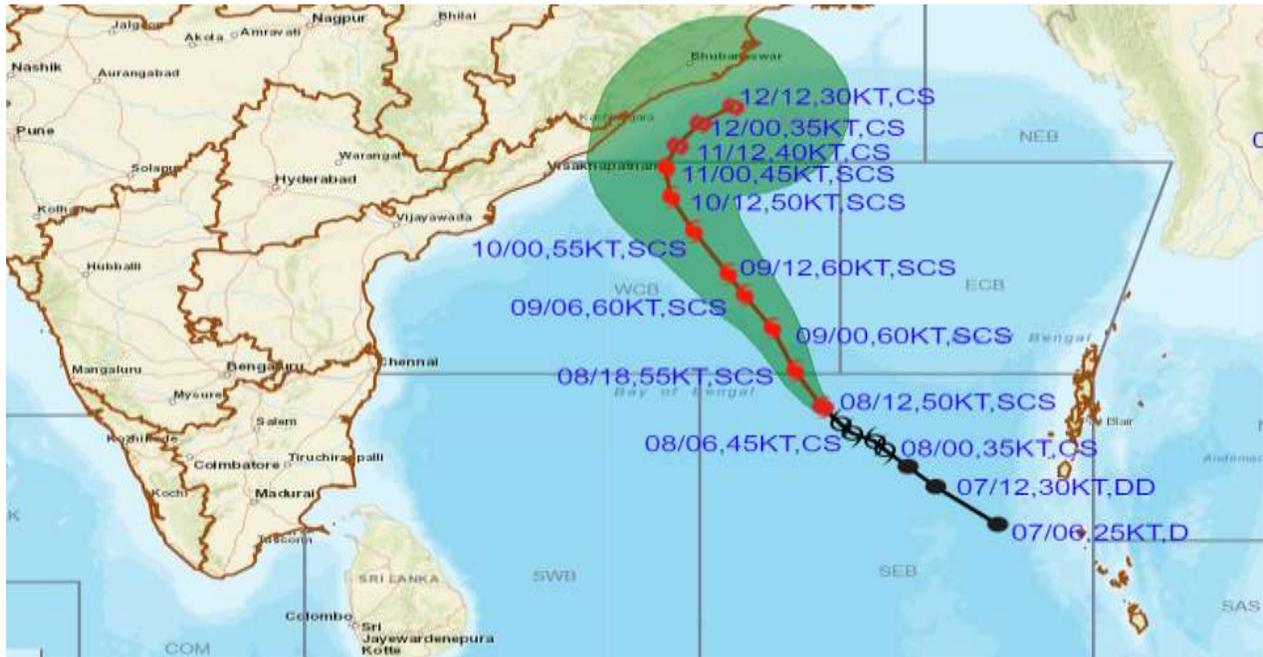
**(Ananda Kumar Das)  
Scientist-E, RSMC, New Delhi**

*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 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 (≥20 KT)**

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

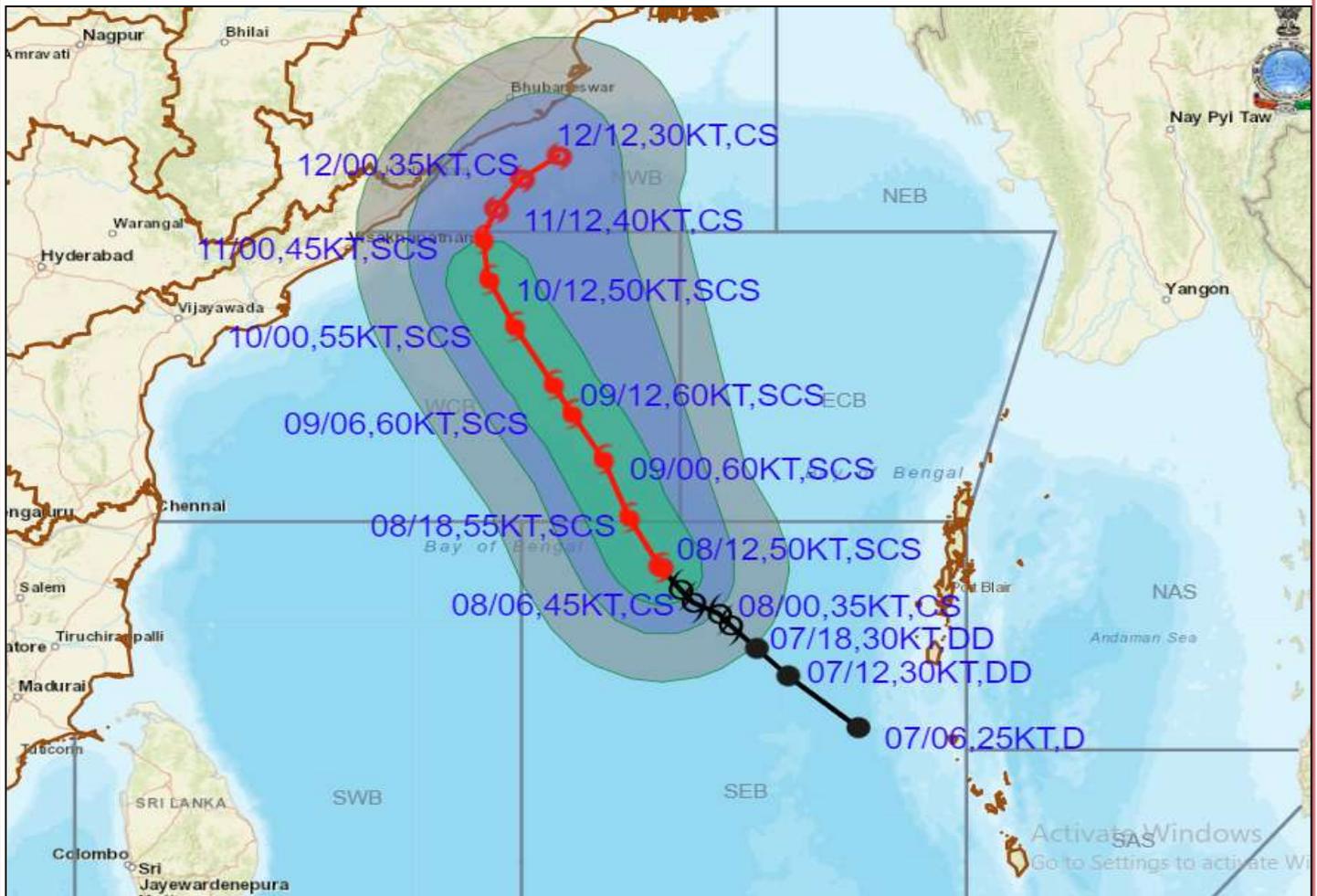
| STATIONS       | DISTANCE(KM) AND DIRECTION FROM STATIONS |               |               |
|----------------|--|---------------|---------------|
|                | 08.05.22/1200                            | 09.05.22/1200 | 11.05.22/1200 |
| CAR NICOBAR    | 610,NW                                   | 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 CYCLONIC STORM 'ASANI' OVER SOUTHEAST AND ADJOINING EASTCENTRAL BAY OF BENGAL BASED ON 1200 UTC OF 8<sup>TH</sup> MAY 2022



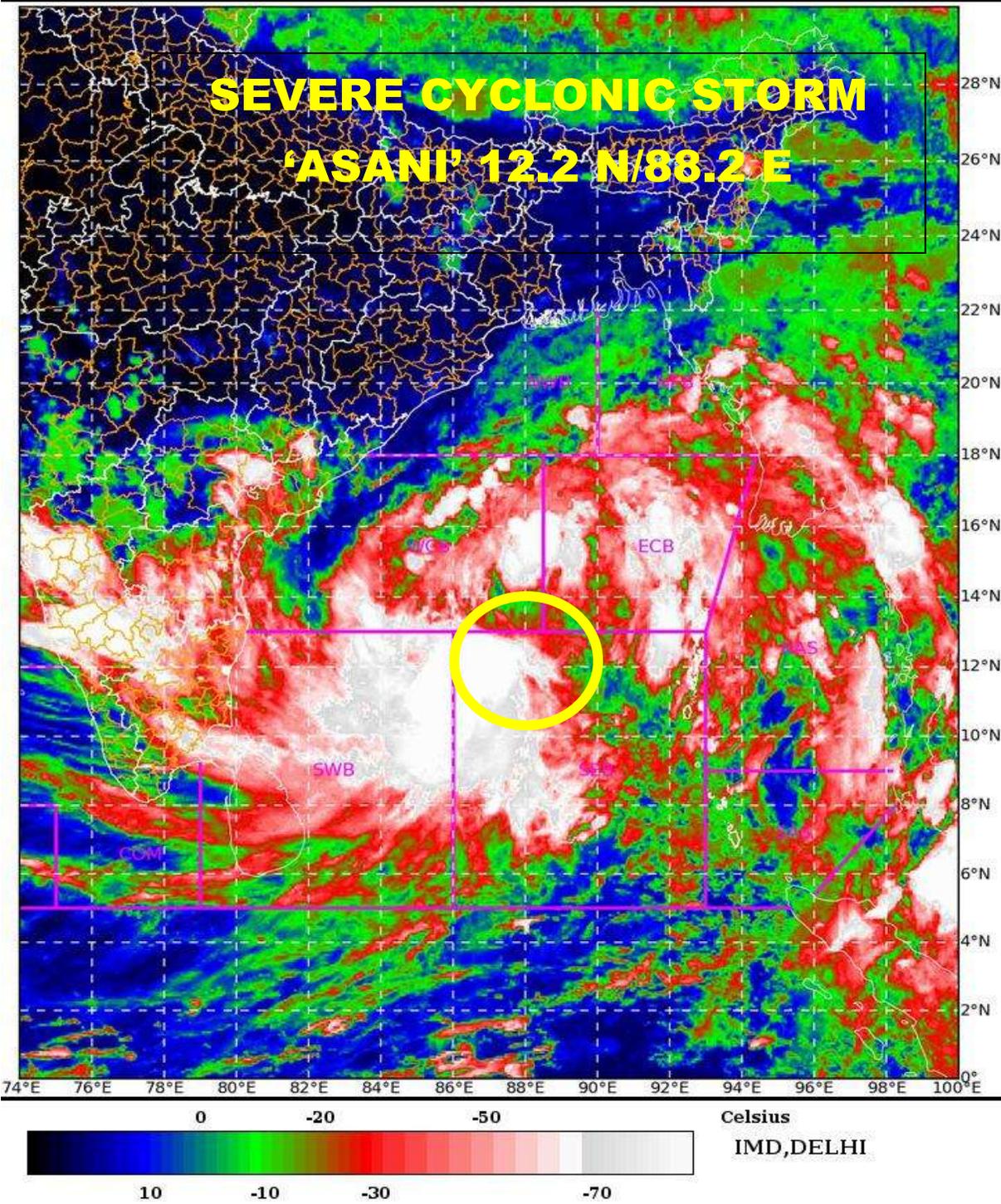
DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS: SUPER CYCLONIC STORM ( $\geq$  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)

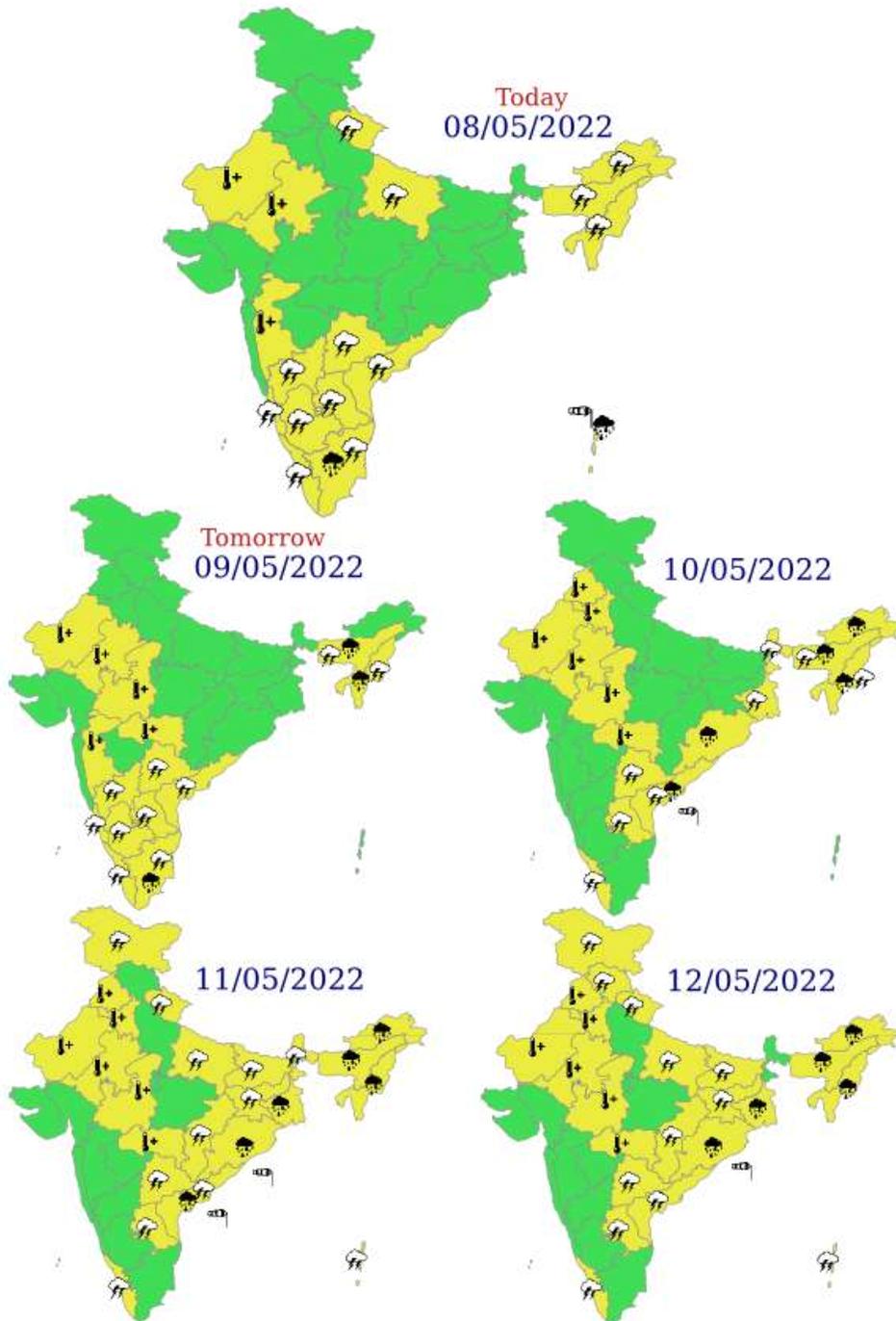
### IMPACT OVER THE SEA

| 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/(1330 to 1356) GMT  
IMG\_TIR1\_TEMP 10.8 um    08-05-2022/(1900 to 1926) IST  
L1C Mercator



# Heavy rainfall warning Graphics



## WARNING

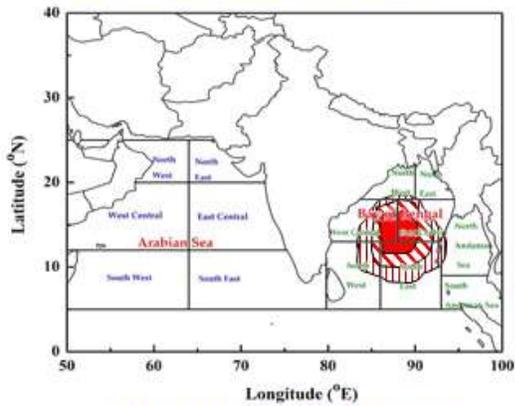
|                        |
|------------------------|
| WARNING (TAKE ACTION)  |
| ALERT (BE PREPARED)    |
| WATCH (BE UPDATED)     |
| NO WARNING (NO ACTION) |

-  Heavy Rain
-  Strong Winds

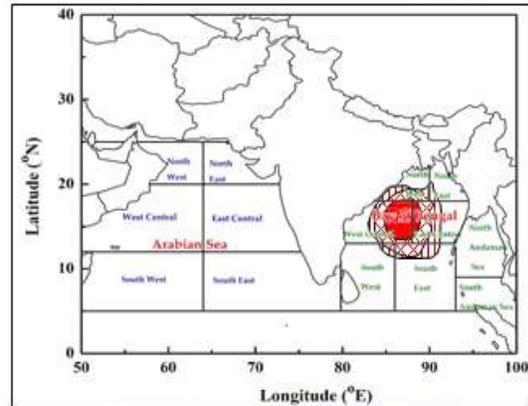
# INDIA METEOROLOGICAL DEPARTMENT

## FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

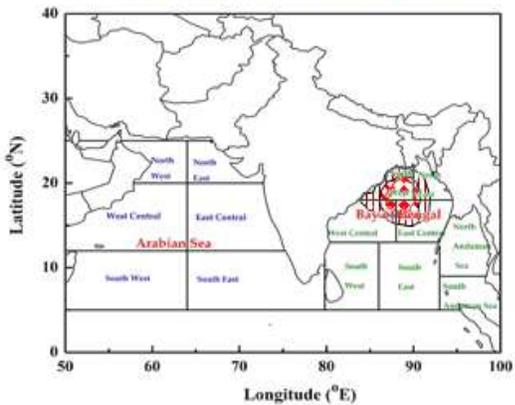
DAY-1: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



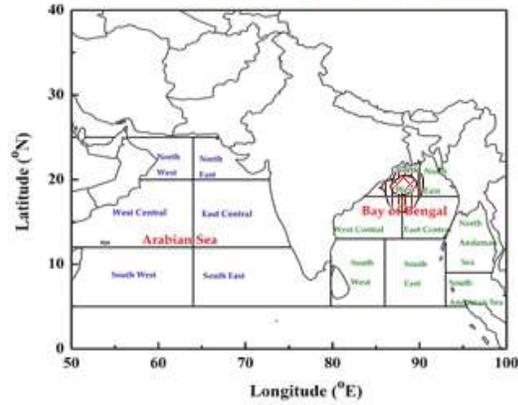
DAY-2: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



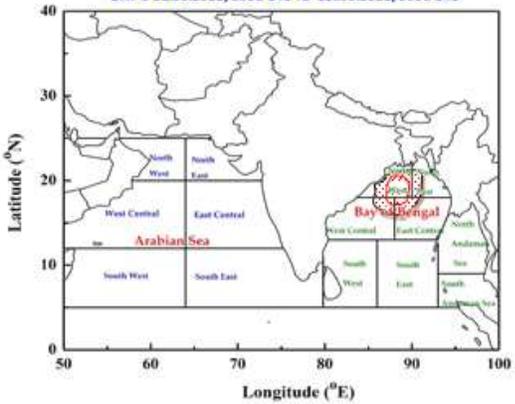
DAY-3: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



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