



India Meteorological Department  
(Ministry of Earth Sciences)

BULLETIN NO. 4 (BOB/03/2022)

TIME OF ISSUE: 0900 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)

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SECRETARY, MOES (FAX NO. 24629777)

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**Sub: Deep Depression intensified into a cyclonic storm 'ASANI' over southeast Bay of Bengal**

The Deep Depression over Southeast Bay of Bengal moved west-northwestwards with a speed of 16 kmph during past 6 hours, intensified into a **cyclonic storm 'Asani' (pronounced as Asani)** and lay centered at 0530 hours IST of today, the 08<sup>th</sup> May, over Southeast Bay of Bengal near latitude 11.2°N and longitude 89.3°E, about 450 km west-northwest of Car Nicobar (Nicobar Islands), 380 km west of Port Blair (Andaman Islands), 970 km southeast of Visakhapatnam (Andhra Pradesh) and 1030 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify further into a **Severe Cyclonic Storm** over east central Bay of Bengal during next 24 hours. It is very likely to continue to move northwestwards till 10<sup>th</sup> 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
08.05.22/0530	11.2/89.3	60-70 gusting to 80	Cyclonic Storm
08.05.22/1130	11.9/88.9	70-80 gusting to 90	Cyclonic Storm
08.05.22/1730	12.6/88.4	90-100 gusting 110	Severe Cyclonic Storm
08.05.22/2330	13.3/88.0	95-105 gusting 115	Severe Cyclonic Storm
09.05.22/0530	14.1/87.3	105-115 gusting to 125	Severe Cyclonic Storm
09.05.22/1730	15.4/86.4	105-115 gusting to 125	Severe Cyclonic Storm
10.05.22/0530	16.3/85.8	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/1730	17.2/85.4	90-100 gusting to 110	Severe Cyclonic Storm
11.05.22/0530	18.0/85.3	80-90 gusting to 100	Cyclonic Storm
11.05.22/1730	18.4/85.5	70-80 gusting to 90	Cyclonic Storm
12.05.22/0530	18.9/85.9	60-70 gusting to 80	Cyclonic Storm
12.05.22/1730	19.3/86.5	50-60 gusting to 70	Deep Depression

### **Warnings:**

#### **(i) Rainfall (warning graphics enclosed)**

**10<sup>th</sup> May: Light to moderate rainfall** likely at a few places with heavy rainfall at isolated places over coastal Odisha and adjoining areas of north coastal Andhra Pradesh from 10<sup>th</sup> evening.

**11<sup>th</sup> May:** Rainfall at a few places with heavy rainfall at isolated places 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 over coastal areas of Odisha and West Bengal.

#### **(ii) Wind warning**

- **8<sup>th</sup> May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase reaching 95-105 kmph gusting to 115 kmph over the same region during 8<sup>th</sup> May night.
- **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 Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.
- **9<sup>th</sup> May:** Sea condition is likely to become high to very high over central parts of Bay of Bengal.
- **10<sup>th</sup> May:** Sea condition is likely to become high to very high over Westcentral & adjoining Northwest and Eastcentral 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 high over Northwest Bay of Bengal.

**(iv) Fishermen Warning (Graphics enclosed)**

- Fishermen are advised not to venture into Eastcentral & Southeast Bay of Bengal and adjoining 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> & 10<sup>th</sup> May and over Northwest Bay of Bengal from 10<sup>th</sup> May 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 message will be issued at 1130 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

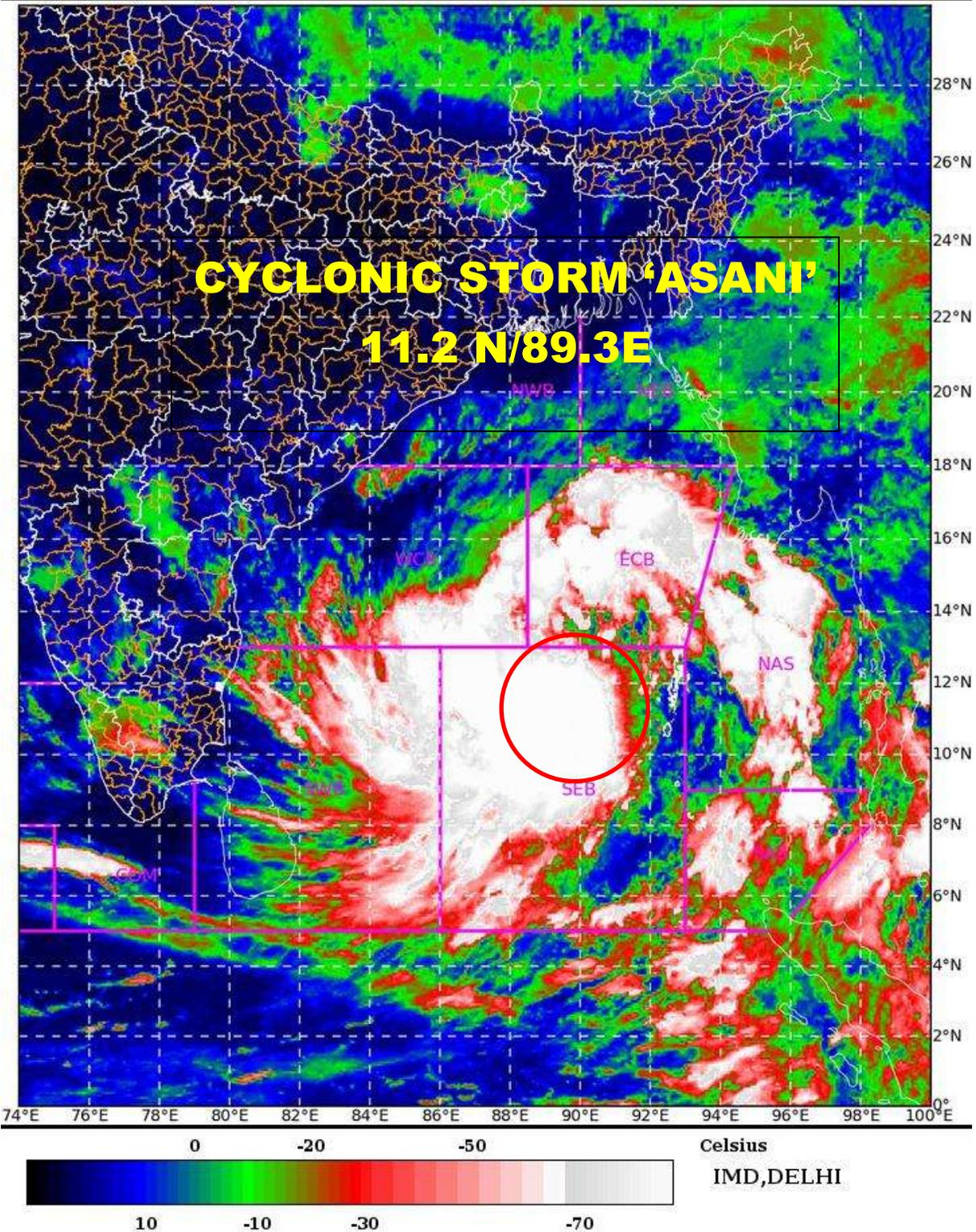
SAT : INSAT-3D IMG

08-05-2022/(0130 to 0156) GMT

IMG\_TIR1\_TEMP 10.8 um

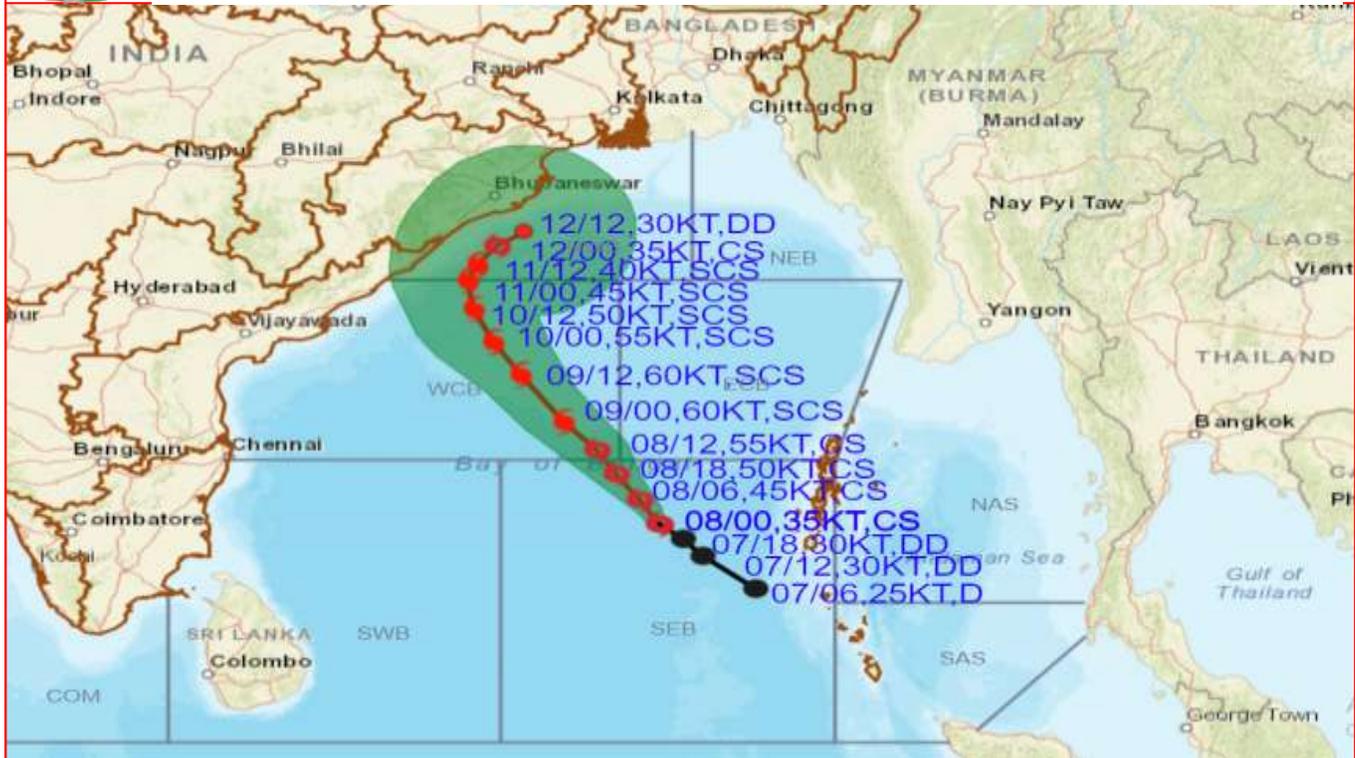
08-05-2022/(0700 to 0726) IST

L1C Mercator





**FORECAST TRACK AND INTENSITY OF CYCLONIC STORM ASANI ALONGWITH CONE OF UNCERTAINTY OVER SOUTHEAST BAY OF BENGAL BASED ON 0000 UTC OF 8<sup>TH</sup> MAY**



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

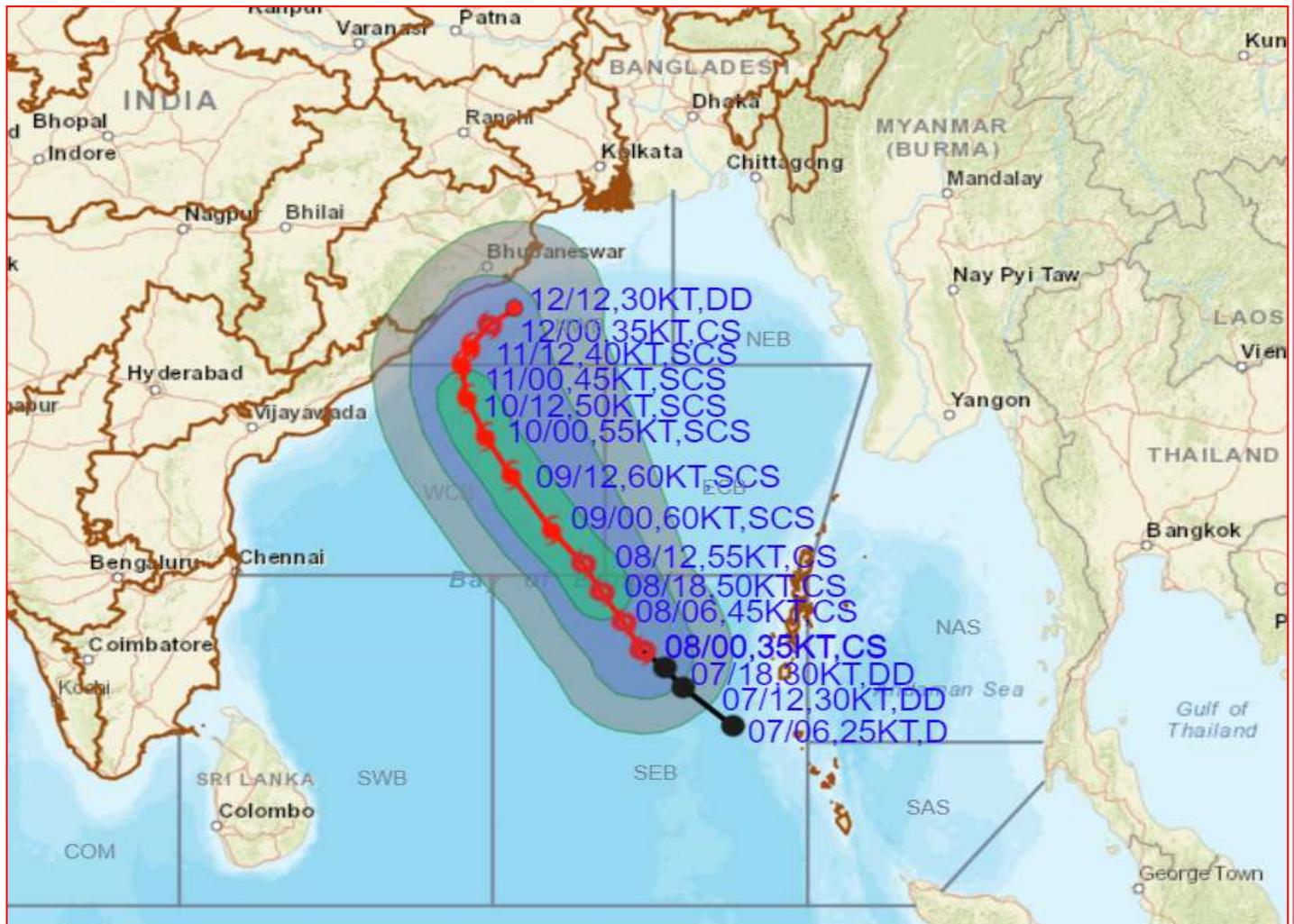
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	08.05.22/0000	09.05.22/0000	10.05.22/0000
CAR NICOBAR	450,WNW	820,NW	1100,NW
PORT BLAIR	380,W	650,WNW	910,NW
VISHAKHAPATNAM	970,SE	590,SE	310,ESE
PURI	1030,SSE	650,SSE	390,S

Forecast Date and Time	Lead Period	Forecast distance (km) and direction of the centre from nearest 5 coastal stations						
		Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
08.05.22/0000	0	11.2	89.3	HUT BAY (362,W)	PORT BLAIR (376,W)	LONG ISLAND (418,WSW)	MAYA BANDAR (438,WSW)	CAR NICOBAR (448,WNW)
08.05.22/0600	6	11.9	88.9	PORT BLAIR (417,W)	LONG ISLAND (425,W)	MAYA BANDAR (443,WSW)	CAR NICOBAR (451,NW)	NANCOWRY (527,NW)
08.05.22/1800	12	12.6	88.4	LONG ISLAND (481,W)	MAYA BANDAR (492,W)	CAR NICOBAR (493,NW)	NANCOWRY (505,NW)	KONDUL (617,NW)
08.05.22/1201	18	13.3	88.1	MAYA BANDAR (535,W)	CAR NICOBAR (544,NW)	NANCOWRY (544,NW)	KONDUL (580,NW)	PATHEIN (697,WSW)
09.05.22/0000	24	14.1	87.3	CAR NICOBAR (580,NW)	NANCOWRY (585,NW)	KONDUL (588,NW)	PATHEIN (622,WSW)	YANGON (624,WSW)
09.05.22/1200	36	15.4	86.4	NANCOWRY (406,NW)	KONDUL (417,NW)	PATHEIN (419,W)	YANGON (460,W)	VISHAKHAPATNAM/ WALTAIR (465,SE)
10.05.22/0000	48	16.3	85.8	KONDUL (287,NW)	PATHEIN (307,W)	YANGON (309,W)	VISHAKHAPATNAM/ WALTAIR (344,ESE)	KALINGAPATAM (365,SE)
10.05.22/1200	60	17.2	85.4	PATHEIN (184,W)	YANGON (229,W)	VISHAKHAPATNAM/ WALTAIR	KALINGAPATAM (236,SE)	VISHAKHAPATNAM (293,ESE)
11.05.22/0000	72	18	85.3	YANGON (129,W)	VISHAKHAPATNAM/ WALTAIR (148,E)	KALINGAPATAM (208,ESE)	VISHAKHAPATNAM (214,E)	SANDOWAY (215,W)
11.05.22/1200	84	18.3	85.4	VISHAKHAPATNAM/ WALTAIR	KALINGAPATAM (134,E)	VISHAKHAPATNAM (173,ENE)	SANDOWAY (222,W)	KAKINADA (232,ENE)
12.05.22/0000	96	18.7	85.6	KALINGAPATAM (125,ENE)	VISHAKHAPATNAM (125,ENE)	SANDOWAY (160,W)	KAKINADA (174,ENE)	TUNI (200,ENE)

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 OF CYCLONIC STORM ASANI ALONGWITH QUADRANT WIND DISTRIBUTION OVER SOUTHEAST BAY OF BENGAL BASED ON 0000 UTC OF 8<sup>TH</sup> MAY 2022



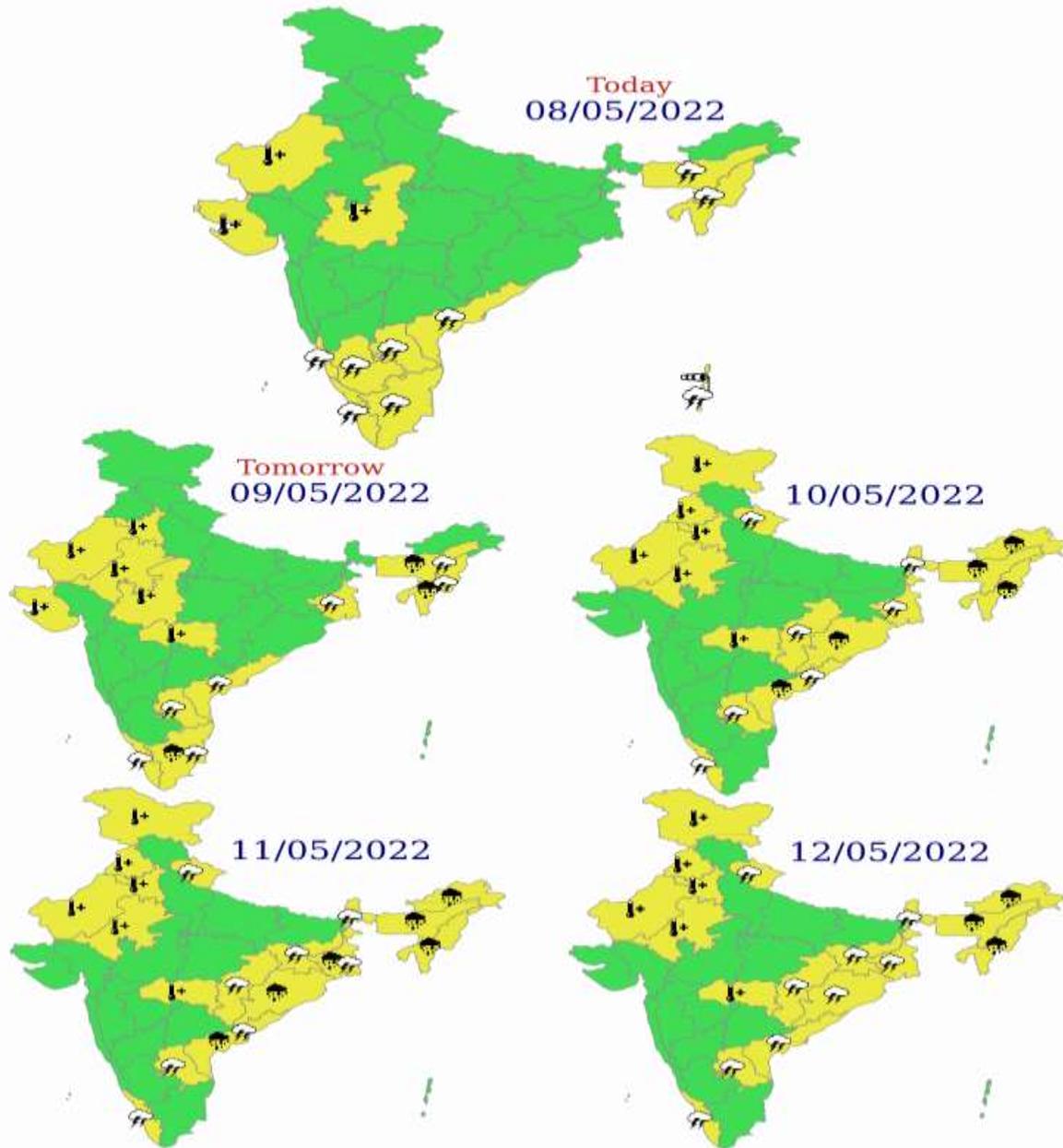
DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
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 D: DEPRESSION (17-27 KT)  
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 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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

# Heavy rainfall warning Graphics



## WARNING

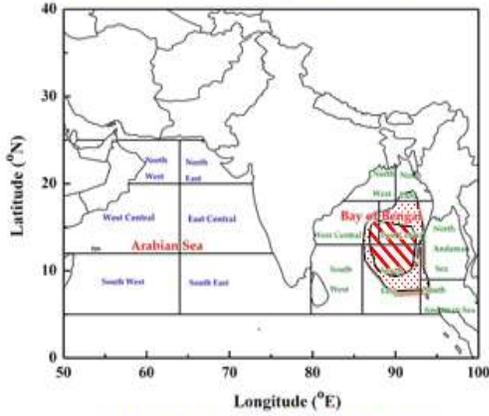
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

-  Heavy Rain
-  Strong Winds

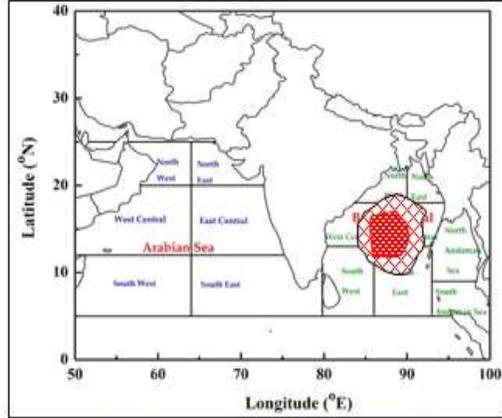
# INDIA METEOROLOGICAL DEPARTMENT

## FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

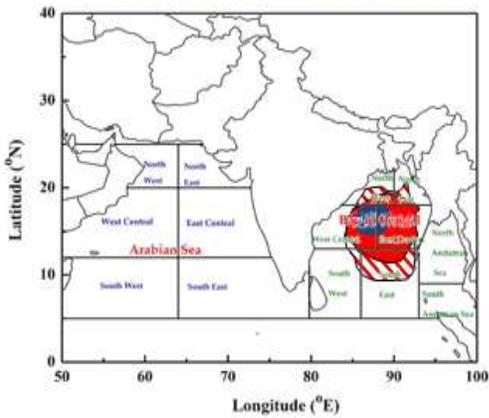
DAY-1: 07.05.2022/1200 UTC TO 08.05.2022/1200 UTC



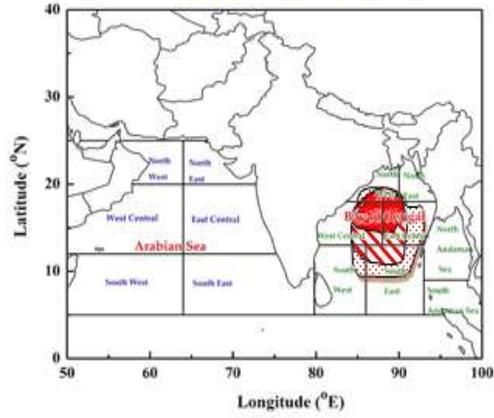
DAY-2: 08.05.2022/1200 UTC TO 09.05.2022/1200 UTC



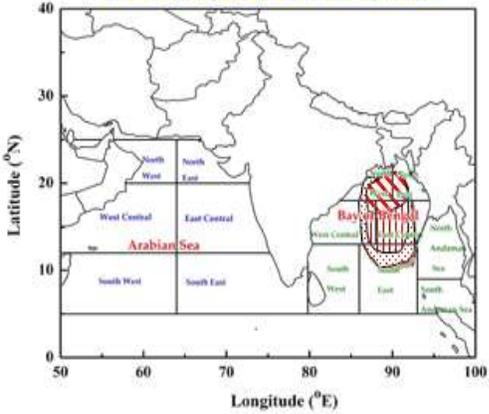
DAY-3: 09.05.2022/1200 UTC TO 10.05.2022/1200 UTC



DAY-4: 10.05.2022/1200 UTC TO 11.05.2022/1200 UTC



DAY-5: 11.05.2022/1200 UTC TO 12.05.2022/1200 UTC



### AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 75 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 80-90 KMPH GUSTING TO 100 KMPH
- 90-100 KMPH GUSTING TO 110 KMPH
- 105-115 KMPH GUSTING TO 125 KMPH