



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

BULLETIN NO. 18 (BOB/03/2022)

TIME OF ISSUE: 0200 HOURS IST

DATED: 10.05.2022

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

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

The **Severe Cyclonic Storm 'Asani'** (pronounced as **Asani**) over Westcentral and adjoining southwest Bay of Bengal moved west-northwestwards with a speed of 12 kmph during past 06 hours and lay centered at 2330 hours IST of yesterday, the 09th May, over westcentral and adjoining southwest Bay of Bengal near latitude 14.7°N and longitude 84.3°E, 330 km southeast of Kakinada (Andhra Pradesh), 350 km south-southeast of Visakhapatnam (Andhra Pradesh), 510 km south-southwest of Gopalpur (Odisha) and 590 km south-southwest of Puri (Odisha).

It is very likely to move nearly northwestwards till 10th May night and reach Westcentral Bay of Bengal off North Andhra Pradesh coast & adjoining Odisha coast. Thereafter, it is very likely to recurve north-northeastwards and move towards Northwest Bay of Bengal off North Andhra Pradesh and Odisha coasts. It is likely to weaken gradually into a Cyclonic Storm during next 24 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
09.05.22/2330	14.7/84.3	95-105 gusting to 115	Severe Cyclonic Storm
10.05.22/0530	15.1/83.8	90-100 gusting to 110	Severe Cyclonic Storm
10.05.22/1130	15.6/83.5	85-95 gusting to 105	Cyclonic Storm
10.05.22/1730	16.1/83.3	80-90 gusting to 100	Cyclonic Storm
10.05.22/2330	16.5/83.4	80-90 gusting to 100	Cyclonic Storm
11.05.22/1130	17.3/83.8	70-80 gusting to 90	Cyclonic Storm
11.05.22/2330	18.0/84.3	60-70 gusting to 80	Cyclonic Storm
12.05.22/1130	18.6/85.1	50-60 gusting to 70	Deep Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

10th May: Light to moderate rainfall at a few places with **heavy to very heavy rainfall** at isolated places is likely over coastal Andhra Pradesh and **heavy rainfall** at isolated places is likely over coastal Odisha from 10th evening.

11th May: Light to moderate rainfall at a few places with **heavy to very heavy rainfall** at isolated places is likely over north coastal Andhra Pradesh and **heavy rainfall** at isolated places is likely over coastal Odisha & adjoining coastal 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

- **10th May:** Gale wind speed reaching 95-105 kmph gusting to 115 kmph is prevailing around the system center over Westcentral & adjoining southwest Bay of Bengal. It would gradually decrease becoming 80-90 kmph gusting to 100 kmph over Westcentral and adjoining Northwest Bay of Bengal from evening. 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 Westcentral and adjoining northwest Bay of Bengal from morning. It would gradually decrease becoming 60-70 kmph gusting to 80 kmph over northwest and adjoining Westcentral Bay of Bengal from evening. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off north Andhra Pradesh and Odisha coasts.
- **12th May:** Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over northwest Bay of Bengal and it would gradually decrease becoming 40-50 kmph gusting to 60 kmph from noon. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off Odisha and West Bengal coasts.

(iii) Sea condition

- **10th May:** Sea condition is likely to be Very High over Westcentral & adjoining southwest Bay of Bengal and becoming high from afternoon.
- **11th May:** Sea condition is likely to become high over Northwest and adjoining Westcentral Bay of Bengal.
- **12th May:** Sea condition is likely to become very rough to rough over Northwest Bay of Bengal and improve thereafter.

(iv) Fishermen Warning (Graphics enclosed)

- Total suspension of fishing operations over westcentral & adjoining Bay of Bengal during 10th to 11th and over northwest Bay of Bengal 10 to 12th May.
- Fishermen are advised not to venture into westcentral Bay of Bengal during 10th to 11th May and into Northwest Bay of Bengal during 10th to 12th May.
- Fishermen out at sea are advised to return to coast.

(v) Advisory for offshore activities:

- Regulate offshore operations till 12th May.

The system is under continuous surveillance and the next bulletin will be issued at 0530 hours IST of today, the 10th May, 2022.

**(Shibin Balakrishnan)
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

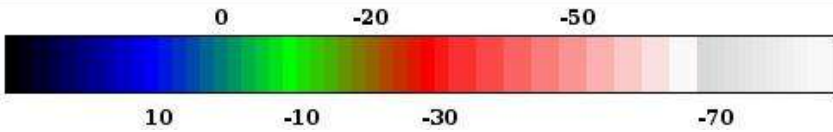
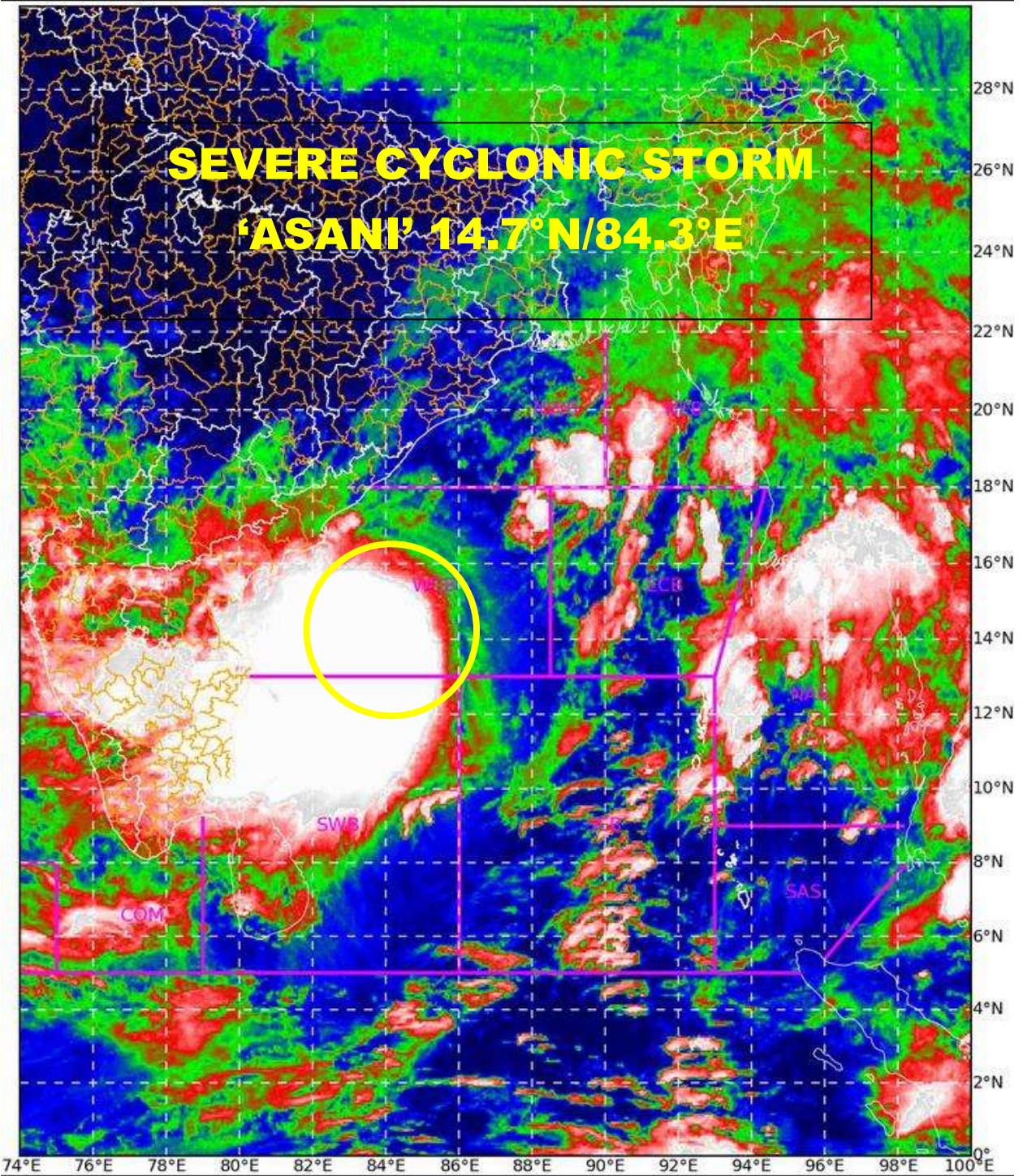
SAT : INSAT-3D IMG

09-05-2022/(1930 to 1956) GMT

IMG_TIR1_TEMP 10.8 um

10-05-2022/(0100 to 0126) IST

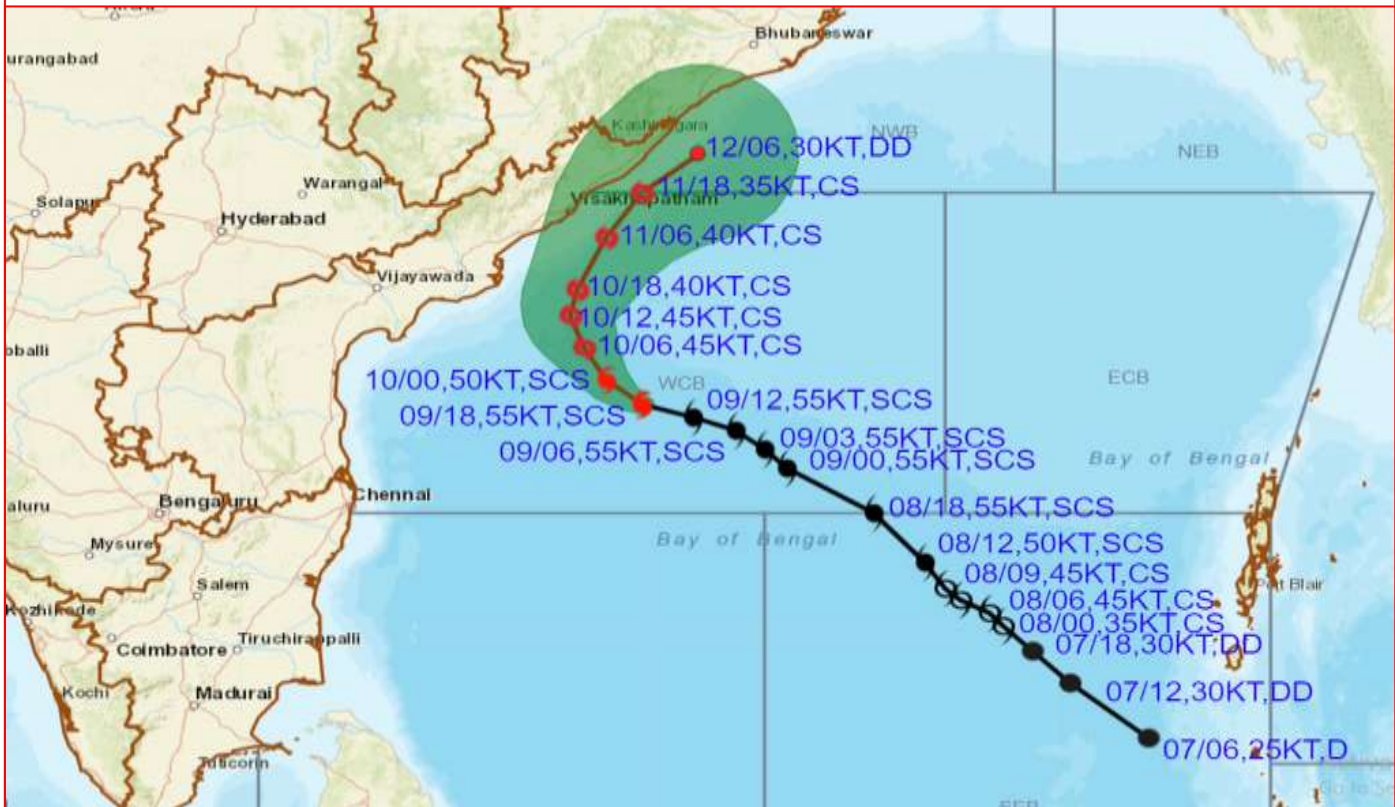
L1C Mercator



Celsius
IMD, DELHI



FORECAST TRACK AND INTENSITY OF SEVERE CYCLONIC STORM 'ASANI' ALONGWITH CONE OF UNCERTAINTY OVER WESTCENTRAL AND ADJOINING SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 9TH 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 (≥20 KT)

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

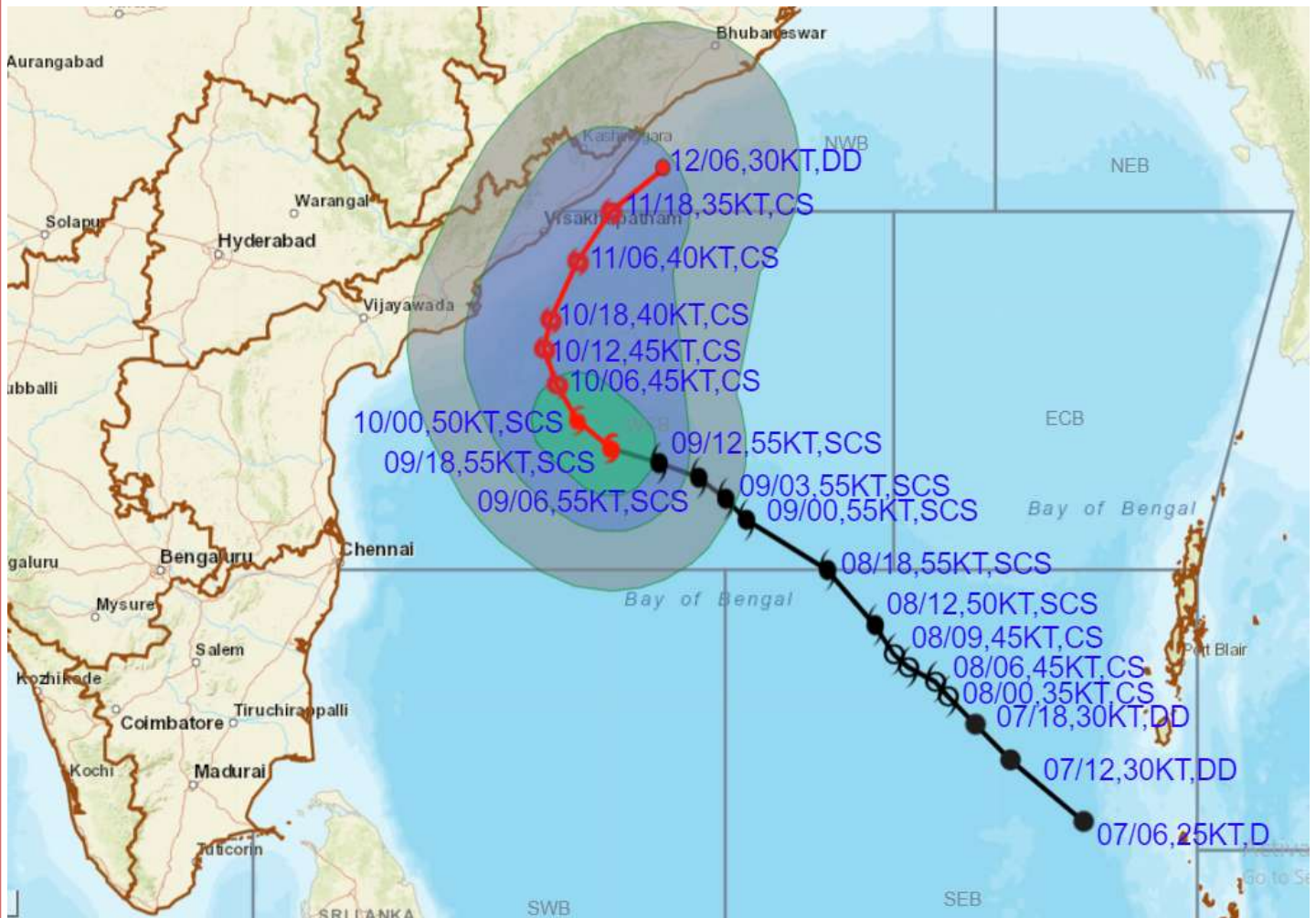
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	09.05.22/1800	10.05.22/1800	11.05.22/1800
CAR NICOBAR	1120,NW	1310,NW	1340,NW
PORT BLAIR	980,WNW	1150,WNW	1140,NW
VISHAKHAPATNAM	350,SSE	130,S	110,ENE
PURI	590,SSW	440,SW	250,SW

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
09.05.22/1800	0	14.7	84.3	KAKINADA (334,SE)	NARSAPUR (339,SE)	TUNI (349,SSE)	VISHAKHAPATNAM (352,SSE)	NIDADAVOLE (376,SE)
10.05.22/0000	6	15.1	83.8	KAKINADA (266,SE)	NARSAPUR (270,ESE)	TUNI (284,SSE)	VISHAKHAPATNAM (296,S)	NIDADAVOLE (306,SE)
10.05.22/0600	12	15.6	83.5	KAKINADA (202,SE)	NARSAPUR (214,ESE)	TUNI (220,SSE)	VISHAKHAPATNAM (237,S)	NIDADAVOLE (247,ESE)
10.05.22/1200	18	16.1	83.3	KAKINADA (148,SE)	TUNI (160,SSE)	NARSAPUR (175,ESE)	VISHAKHAPATNAM (180,S)	NIDADAVOLE (201,ESE)
10.05.22/1800	24	16.5	83.4	TUNI (131,SE)	KAKINADA (134,ESE)	VISHAKHAPATNAM (136,S)	NARSAPUR (182,E)	NIDADAVOLE (197,E)
11.05.22/0600	36	17.3	83.8	VISHAKHAPATNAM (70,SE)	KALINGAPATAM (120,SSW)	TUNI (133,E)	KAKINADA (171,ENE)	KORAPUT (204,SE)
11.05.22/1800	48	18.0	84.3	KALINGAPATAM (41,SSE)	VISHAKHAPATNAM (111,ENE)	GOPALPUR (154,SSW)	KORAPUT (190,ESE)	TUNI (199,ENE)
12.05.22/0600	60	18.6	85.1	GOPALPUR (78,SSE)	KALINGAPATAM (106,ENE)	PURI (153,SSW)	BHUBANESHWAR (199,SSW)	VISHAKHAPATNAM (214,ENE)

N : NORTH NNE : NORTH-NORTHEAST NE : NORTHEAST ENE : EAST-NORTHEAST E : EAST
 ESE : EAST-SOUTHEAST 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 SOUTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 9TH MAY 2022



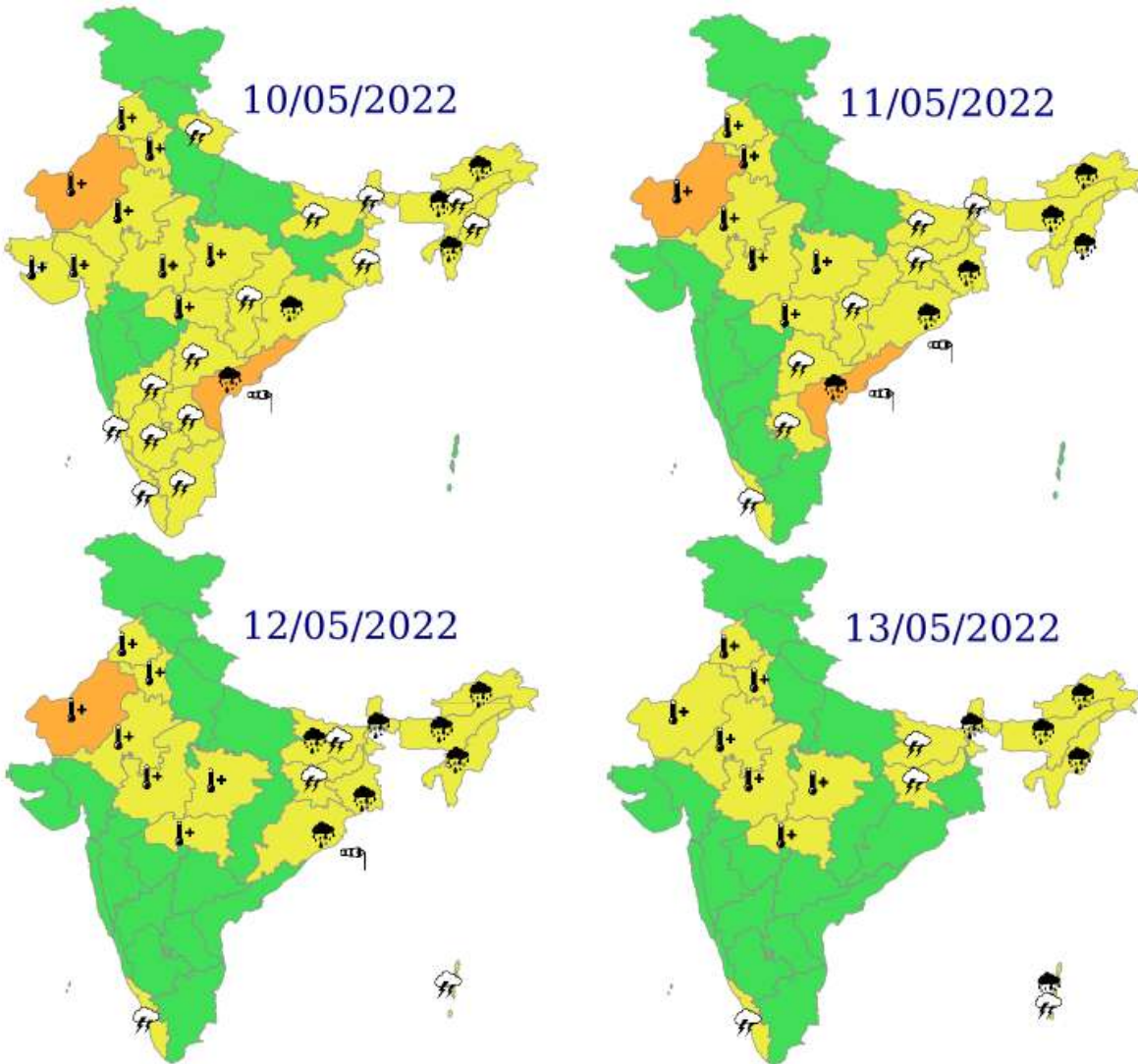
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
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 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY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

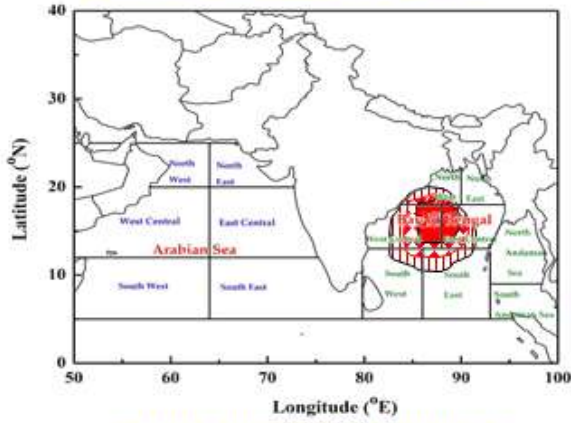
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

-  Heavy Rain
-  Strong Winds

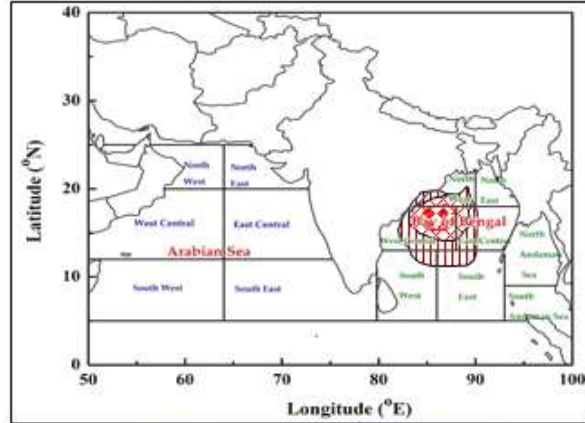
FISHERMAN WARNING GRAPHICS

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

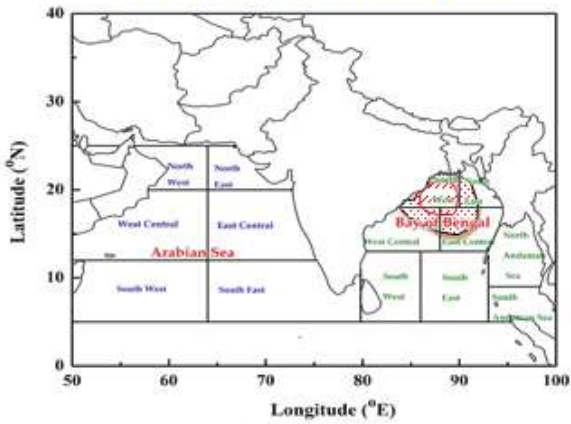
DAY-1: 09.05.2022/1800 UTC TO 10.05.2022/1800 UTC



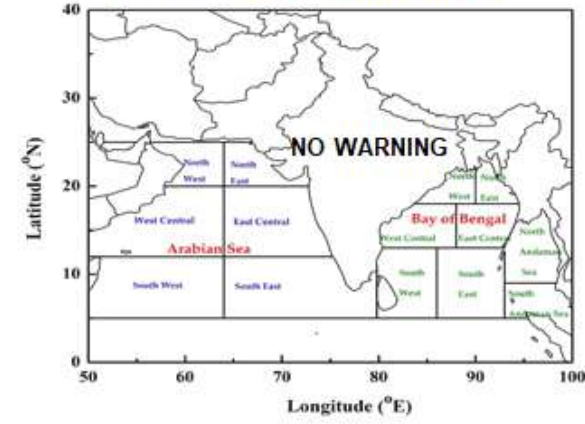
DAY-2: 10.05.2022/1800 UTC TO 11.05.2022/1800 UTC



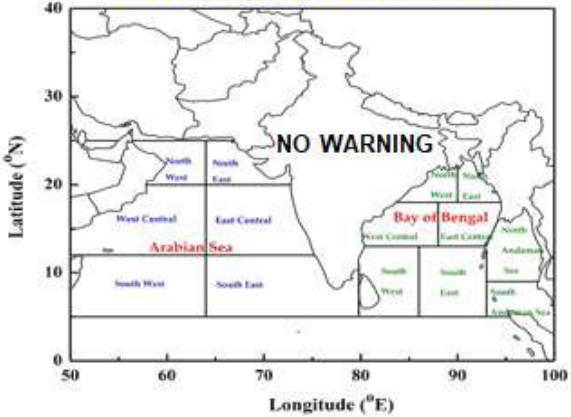
DAY-3: 11.05.2022/1800 UTC TO 12.05.2022/1800 UTC



DAY-4: 12.05.2022/1800 UTC TO 13.05.2022/1800 UTC



DAY-5: 13.05.2022/1800 UTC TO 14.05.2022/1800 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
-  75-85 KMPH GUSTING TO 95 KMPH
-  90-100 KMPH GUSTING TO 110 KMPH