



India Meteorological Department  
(Ministry of Earth Sciences)

**BULLETIN NO. 32 (BOB/03/2022)**

**TIME OF ISSUE: 2000 HOURS IST**

**DATED: 11.05.2022**

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

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**Sub: Cyclonic Storm 'ASANI' weakened into a deep depression over Westcentral Bay of Bengal close to Andhra Pradesh coast**

The Cyclonic Storm 'Asani' (pronounced as Asani) over westcentral Bay of Bengal moved nearly northwards with a speed of 7 kmph during past 06 hours, weakened into a deep depression and lay centered at 1730 hours IST of 11<sup>th</sup> May over westcentral Bay of Bengal close to Andhra Pradesh coast near latitude 16.3°N and longitude 81.3°E, about 20 km northeast of Machilipatnam (Andhra Pradesh), 50 km west-southwest of Narsapur and 120 km west-southwest of Kakinada (Andhra Pradesh).

It is very likely to move north-northeastwards along Yanam, Kakinada and Tuni coasts and weaken further into a depression by 12th May morning.

The cyclonic storm is under the continuous surveillance of Doppler Weather Radar (DWR) at Machilipatnam (Andhra Pradesh).

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
11.05.22/1730	16.3/81.3	55-65 gusting to 75	Deep Depression
11.05.22/2330	16.4/81.4	50-60 gusting to 70	Deep Depression
12.05.22/0530	16.5/81.6	45-55 gusting to 65	Depression
12.05.22/1730	16.6/82.0	35-45 gusting to 55	Depression
13.05.22/0530	16.7/82.7	25-35 gusting to 45	Well Marked low Pressure Area

## **Warnings:**

### **(i) Rainfall (Warning Graphics enclosed)**

**11<sup>th</sup> May:** Light to moderate rainfall at most places with **heavy rainfall** at isolated places is likely over coastal Andhra Pradesh and **light to moderate rainfall** at a few places likely over south Odisha.

**12<sup>th</sup> May:** Light to moderate rainfall heavy **rainfall** at isolated places likely at many places over coastal Andhra Pradesh. Light to moderate rainfall at a few places over coastal areas of Odisha and West Bengal.

### **(ii) Wind warning (Warning Graphics enclosed)**

- Squally wind speed reaching 55-65 kmph gusting to 75 kmph is prevailing around the system center and adjoining westcentral Bay of Bengal. It would gradually decrease becoming 45-55 kmph gusting to 65 kmph over westcentral Bay of Bengal by 12<sup>th</sup> May morning.
- Squally wind speed reaching 55-65 kmph gusting to 75 kmph likely to prevail along & off Krishna, East & West Godavari & Visakhapatnam districts of Andhra Pradesh and Yanam of Puducherry. It would then decrease gradually to 45-55 kmph gusting to 65 kmph over the same region by 12<sup>th</sup> May morning. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail along & off adjoining districts of coastal Andhra Pradesh during the same period.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail off Odisha coast during 11<sup>th</sup> to 12<sup>th</sup> May.

### **(iii) Sea condition**

Sea condition is likely to be very rough to rough over westcentral & adjoining northwest Bay of Bengal on 11<sup>th</sup> and 12<sup>th</sup> May.

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

- Total suspension of fishing operations over westcentral Bay of Bengal and over northwest Bay of Bengal till 12<sup>th</sup> May.
- Fishermen are advised not to venture into westcentral Bay of Bengal along and off Andhra Pradesh and Odisha coasts and Northwest Bay of Bengal till 12<sup>th</sup> May.

### **(v) Advisory for offshore activities**

- Regulate offshore operations till 12<sup>th</sup> May morning.

### **(vi) Damage expected: (For Krishna, East & West Godavari districts of Andhra Pradesh and Yanam of Puducherry) during next 06 hours**

- Minor damage to thatched huts.
- Minor damage to power and communication lines due to breaking of tree branches.
- Major damage to Kutcha and minor damage to Pucca roads.
- Damage to paddy and other standing crops, banana, papaya trees and orchards

**(vii) Action Suggested: (For Krishna, East & West Godavari districts of Andhra Pradesh and Yanam of Puducherry)**

- Check for traffic congestion on your route due to heavy rain 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.

**The system is under continuous surveillance and the next bulletin will be issued at 2330 hours IST of today, the 11<sup>th</sup> May, 2022.**

**(MONICA SHARMA)  
Scientist-D, 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

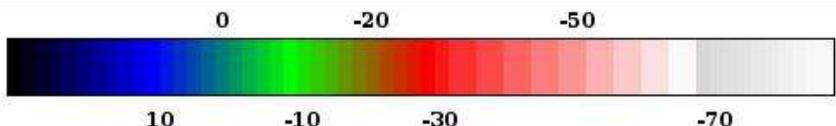
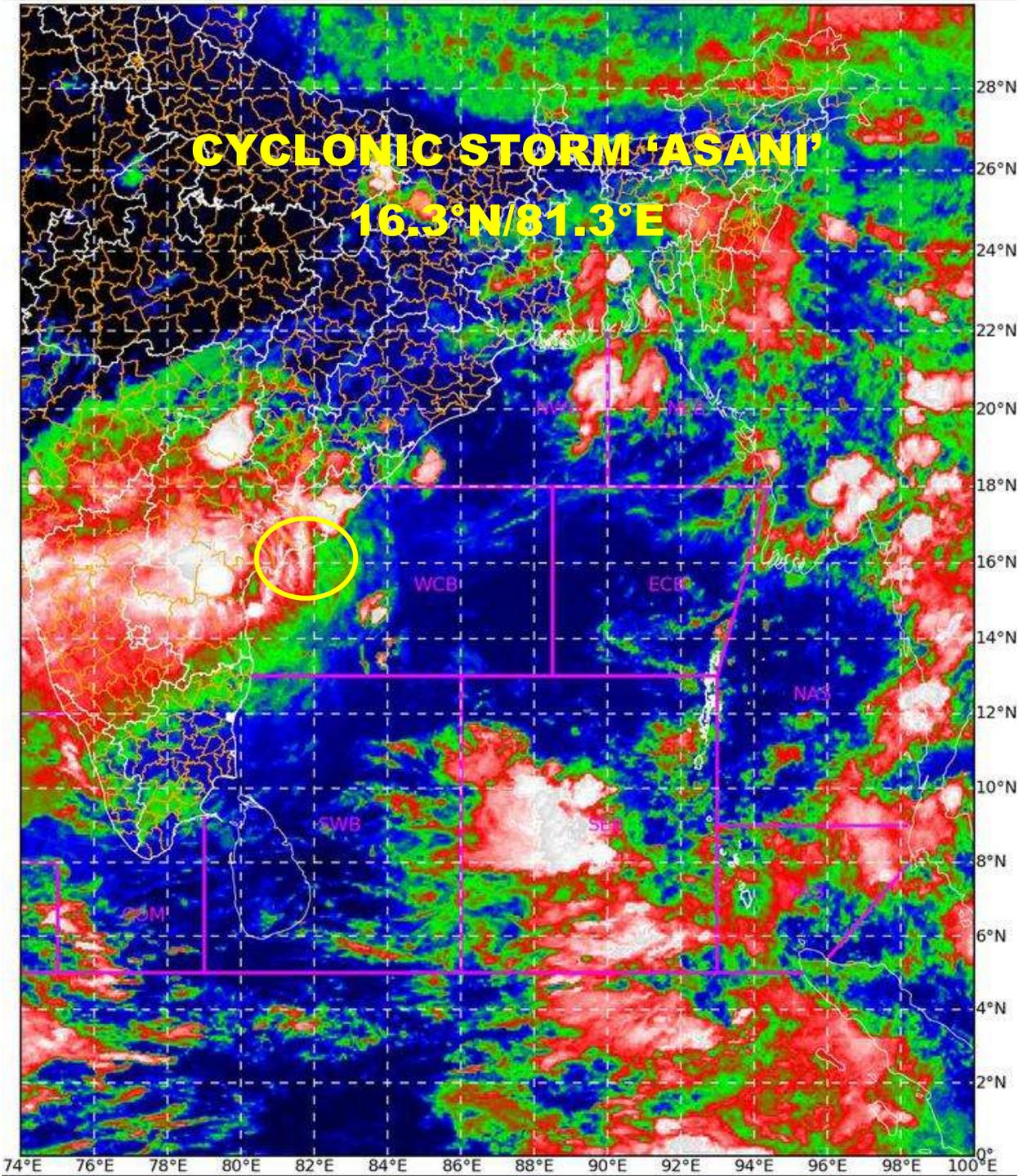
11-05-2022/(1300 to 1326) GMT

IMG\_TIR1\_TEMP 10.8 um

11-05-2022/(1830 to 1856) IST

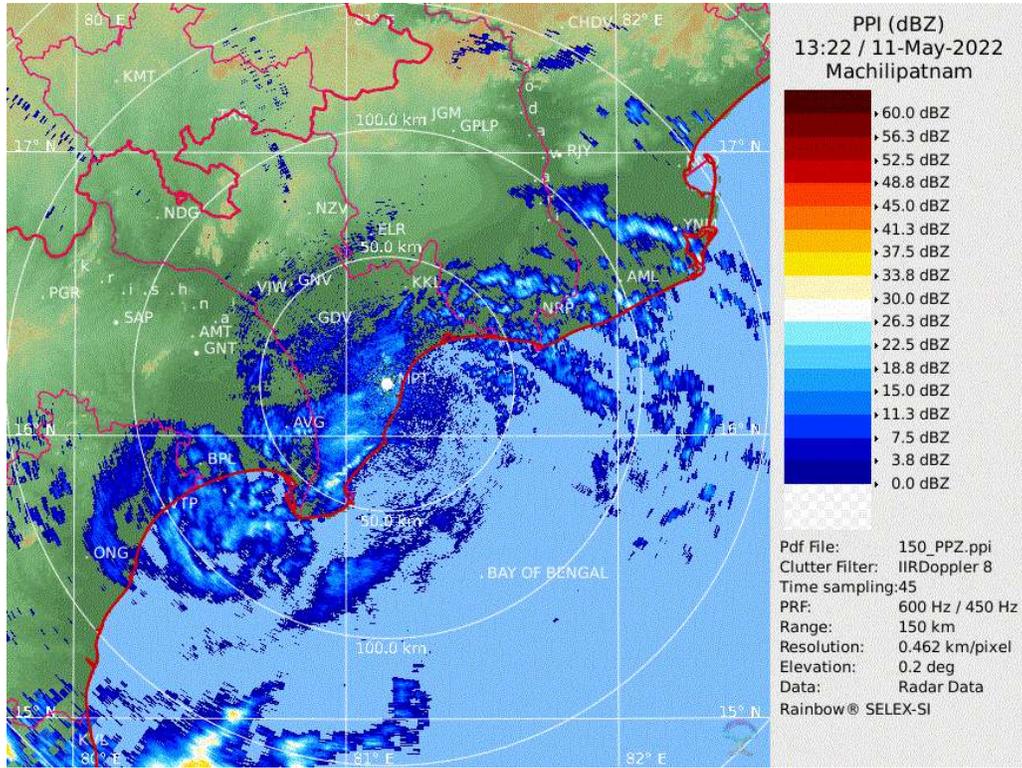


L1C Mercator



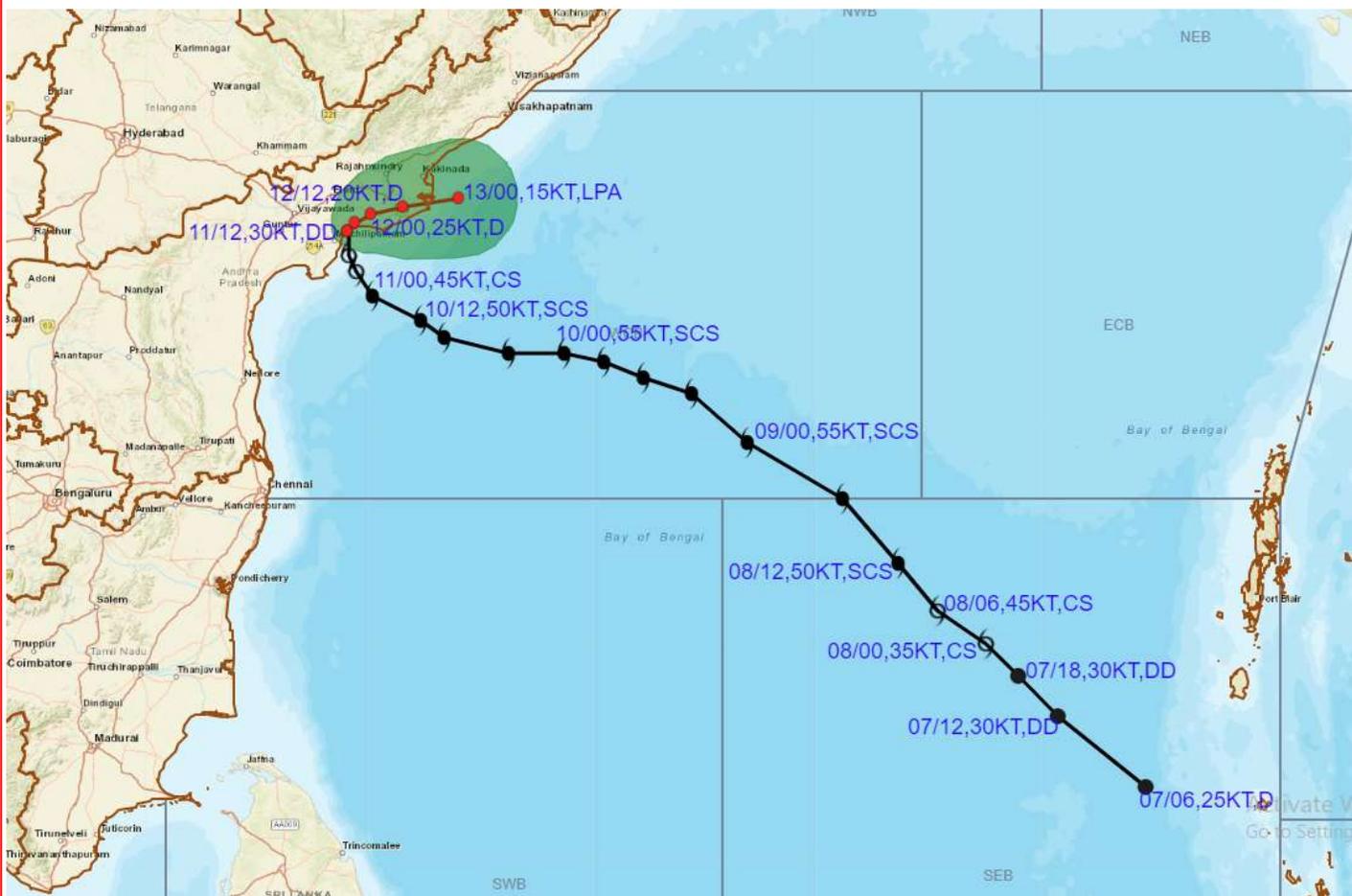
Celsius  
IMD, DELHI

# CYCLONIC STORM "ASANI" VIEWED BY THE DWR AT MACHILIPATNAM





**FORECAST TRACK AND INTENSITY OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM 'ASANI') ALONGWITH CONE OF UNCERTAINTY OVER WESTCENTRAL BAY OF BENGAL CLOSE TO ANDHRA PRADESH COAST BASED ON 1200 UTC OF 11<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

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS	
	12.05.22/1200	
MACHILIPATNAM	100,ENE	
KAKINADA	50,SSW	
VISHAKHAPATNAM	190,SW	
GOPALPUR	430,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
11.05.22/1200	0	16.3	81.3	MACHILIPATNAM/ FRANCHPET (20,NE)	NARSAPUR (45,WSW)	VIJAYAWADA /GANNAVARAM (59,ESE)	NIDADAVOLE (67,SSW)	VIJAYAWADA (77,ESE)
11.05.22/1800	6	16.4	81.4	NARSAPUR (32,W)	MACHILIPATNAM/ FRANCHPET (35,NE)	NIDADAVOLE (52,SSW)	VIJAYAWADA /GANNAVARAM (66,ESE)	VIJAYAWADA (85,E)
12.05.22/0000	12	16.5	81.6	NARSAPUR (13,NW)	NIDADAVOLE (37,S)	MACHILIPATNAM/ FRANCHPET (59,NE)	KAKINADA (84,SW)	VIJAYAWADA /GANNAVARAM (85,E)
12.05.22/1200	24	16.6	82.0	NARSAPUR (37,ENE)	KAKINADA (46,SSW)	NIDADAVOLE (51,ESE)	MACHILIPATNAM/ FRANCHPET (101,ENE)	TUNI (102,SW)
13.05.22/0000	36	16.7	82.7	KAKINADA (57,ESE)	TUNI (74,SSE)	NARSAPUR (111,ENE)	NIDADAVOLE (120,E)	VISHAKHAPATNAM (130,SSW)

**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 OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM 'ASANI') OVER WESTCENTRAL BAY OF BENGAL CLOSE TO ANDHRA PRADESH COAST BASED ON 1200 UTC OF 11<sup>TH</sup> MAY 2022**



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

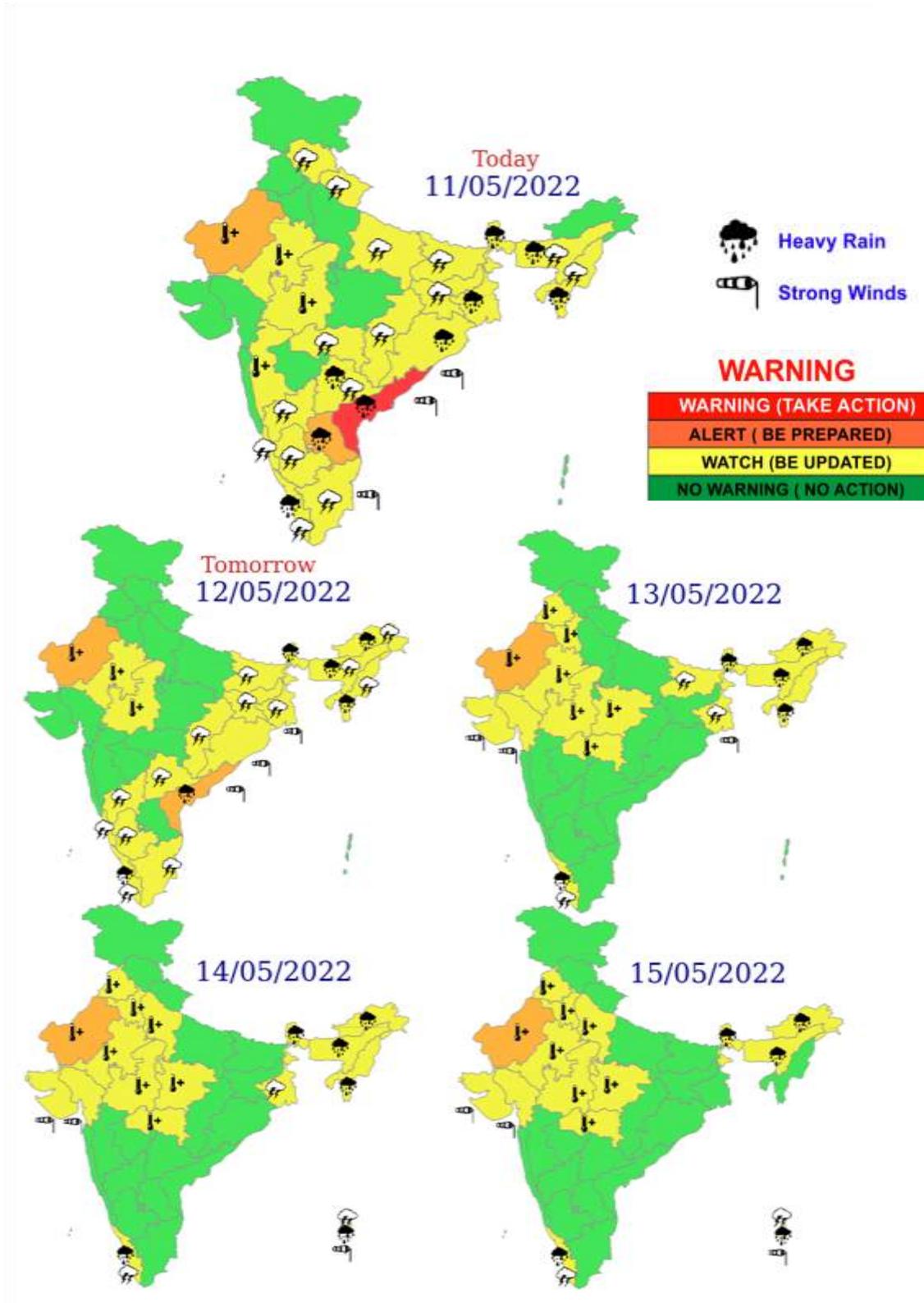
**AREA OF MAXIMUM SUSTAINED WIND SPEED:**

- 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**

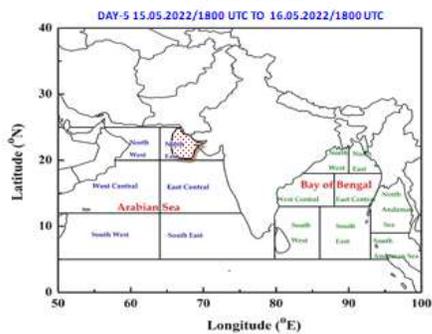
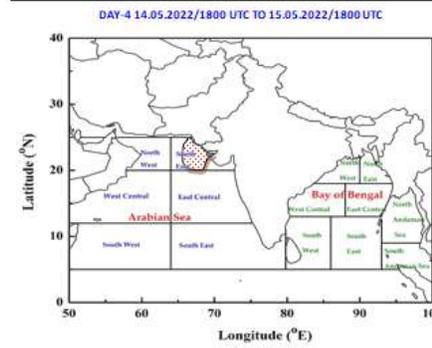
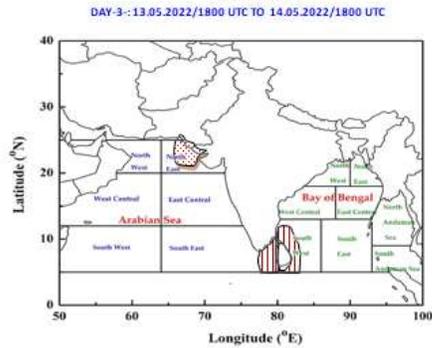
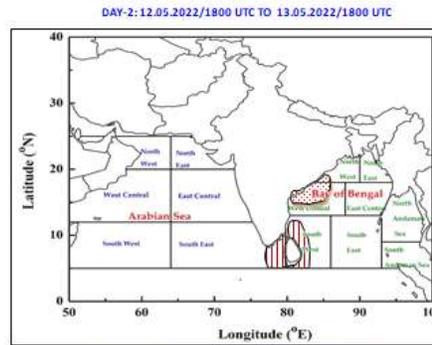
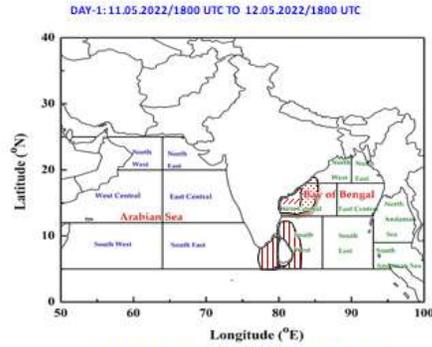
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

# Heavy rainfall warning Graphics



# FISHERMEN WARNING GRAPHICS

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



### AREA UNDER FISHERMEN WARNING

-  40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  55-65 KMPH GUSTING TO 75 KMPH
-  65-75 KMPH GUSTING TO 85 KMPH
-  70-80 KMPH GUSTING TO 90 KMPH
-  75-85 KMPH GUSTING TO 95 KMPH
-  90-100 KMPH GUSTING TO 110 KMPH