



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 34 (BOB/03/2022)

TIME OF ISSUE: 0200 HOURS IST

DATED: 12.05.2022

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

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Sub: Deep Depression (remnant of cyclonic storm 'ASANI') over coastal Andhra Pradesh

The Deep Depression (remnant of cyclonic storm 'ASANI') over coastal Andhra Pradesh and adjoining Westcentral Bay of Bengal moved nearly west-southwestwards with a speed of about 7 kmph during last 6 hours and lay centred at 2330 hrs IST of 11th May, 2022 over coastal Andhra Pradesh, near Latitude 16.2°N and Longitude 80.9°E, close to West of Machilipatnam.

It is likely to hover around the same region and weaken further into a Depression by today, the 12th May morning.

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

Warnings:

(i) Rainfall (Warning Graphics enclosed)

12th May: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is likely over coastal Andhra Pradesh and Rayalaseema. **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 50-60 kmph gusting to 70 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 and along & off Andhra Pradesh coast by 12th May morning.

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail along & off Krishna, East & West Godavari 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 12th 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 on 12th May.

(iii) Sea condition

Sea condition is likely to be very rough to rough over westcentral & adjoining northwest Bay of Bengal on 12th May.

(iv) Fishermen Warning (Graphics enclosed)

- Total suspension of fishing operations over westcentral Bay of Bengal and over northwest Bay of Bengal on 12th 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 on 12th May.

(v) Advisory for offshore activities

- Regulate offshore operations till 12th 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 0830 hours IST of today, the 12th May, 2022.

**(Surendra Pratap Singh)
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

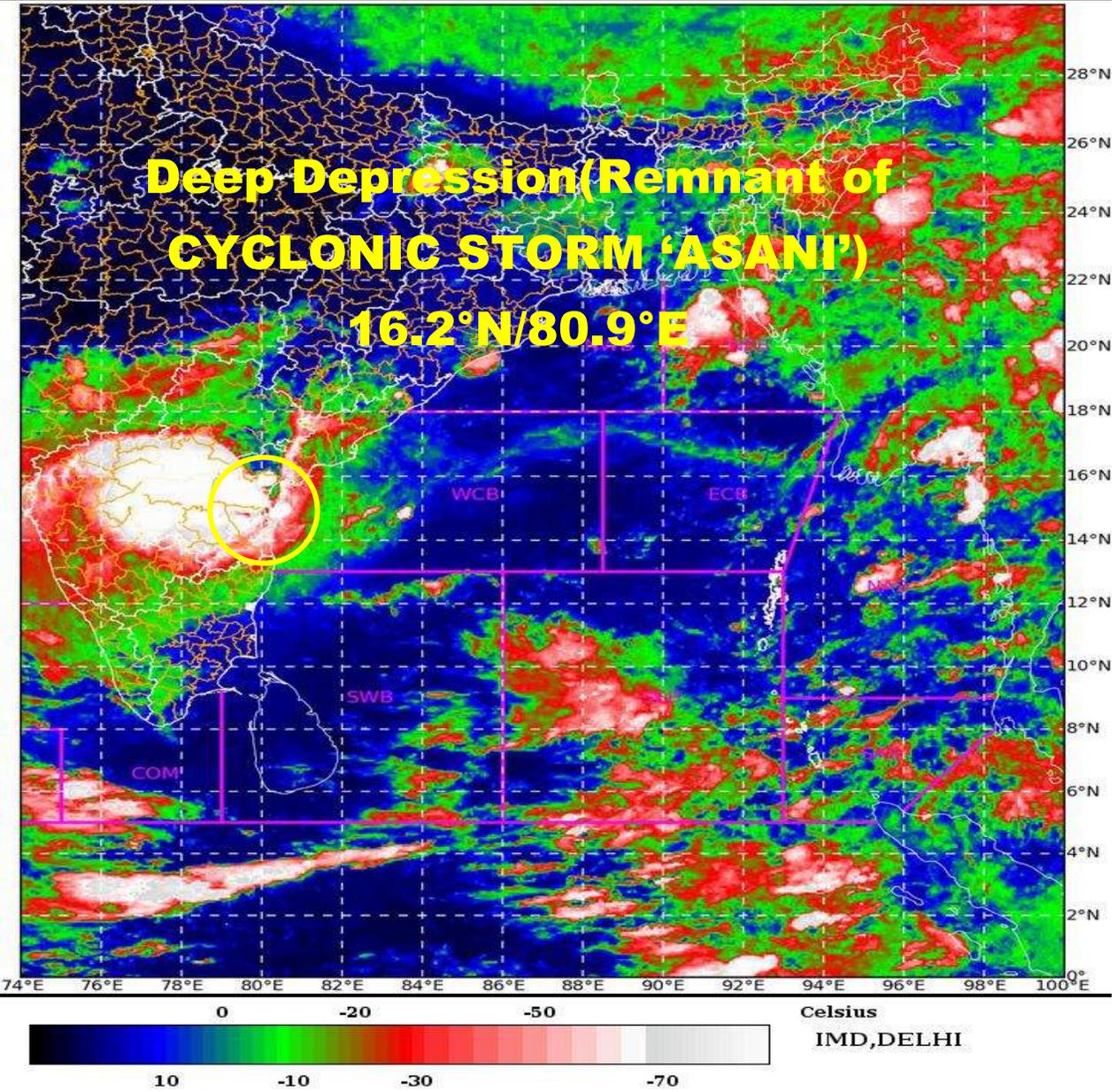
SAT : INSAT-3D IMG

11-05-2022/(1700 to 1726) GMT

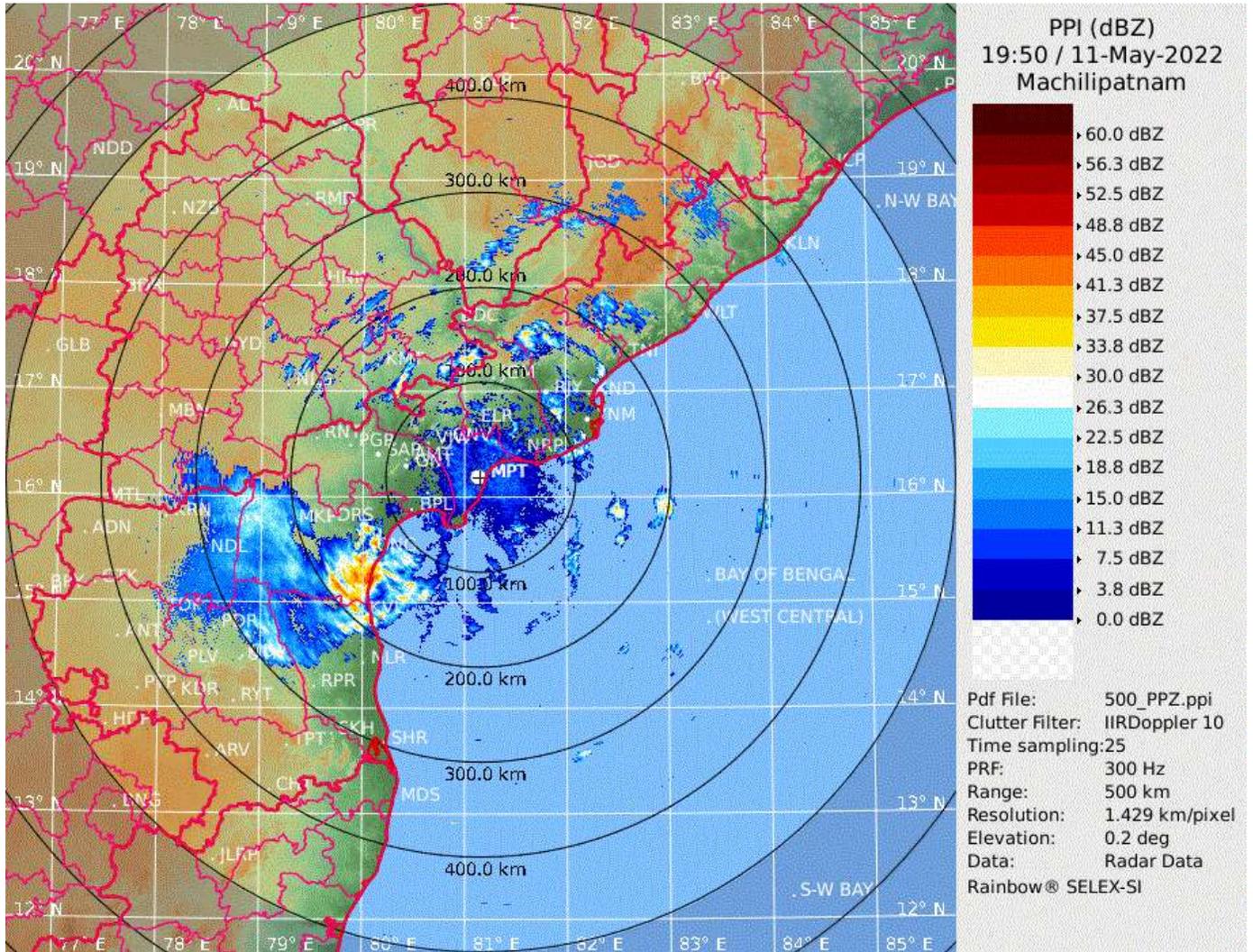
IMG_TIR1_TEMP 10.8 um

11-05-2022/(2230 to 2256) IST

L1C Mercator

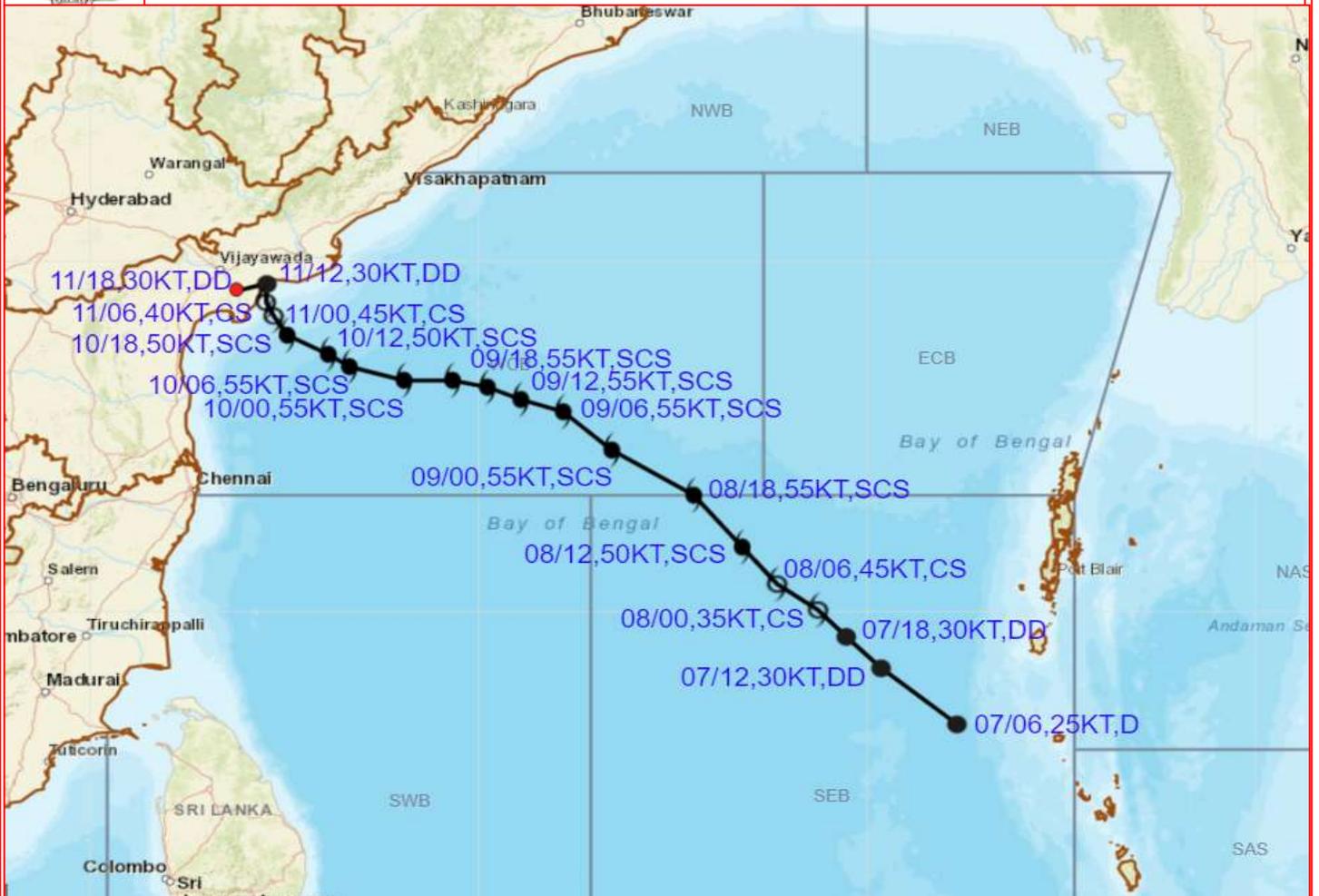


CYCLONIC STORM "ASANI" VIEWED BY THE DWR AT MACHILIPATNAM





FORECAST TRACK AND INTENSITY OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM 'ASANI') ALONGWITH CONE OF UNCERTAINTY OVER ANDHRA PRADESH COAST BASED ON 1800 UTC OF 11TH 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)

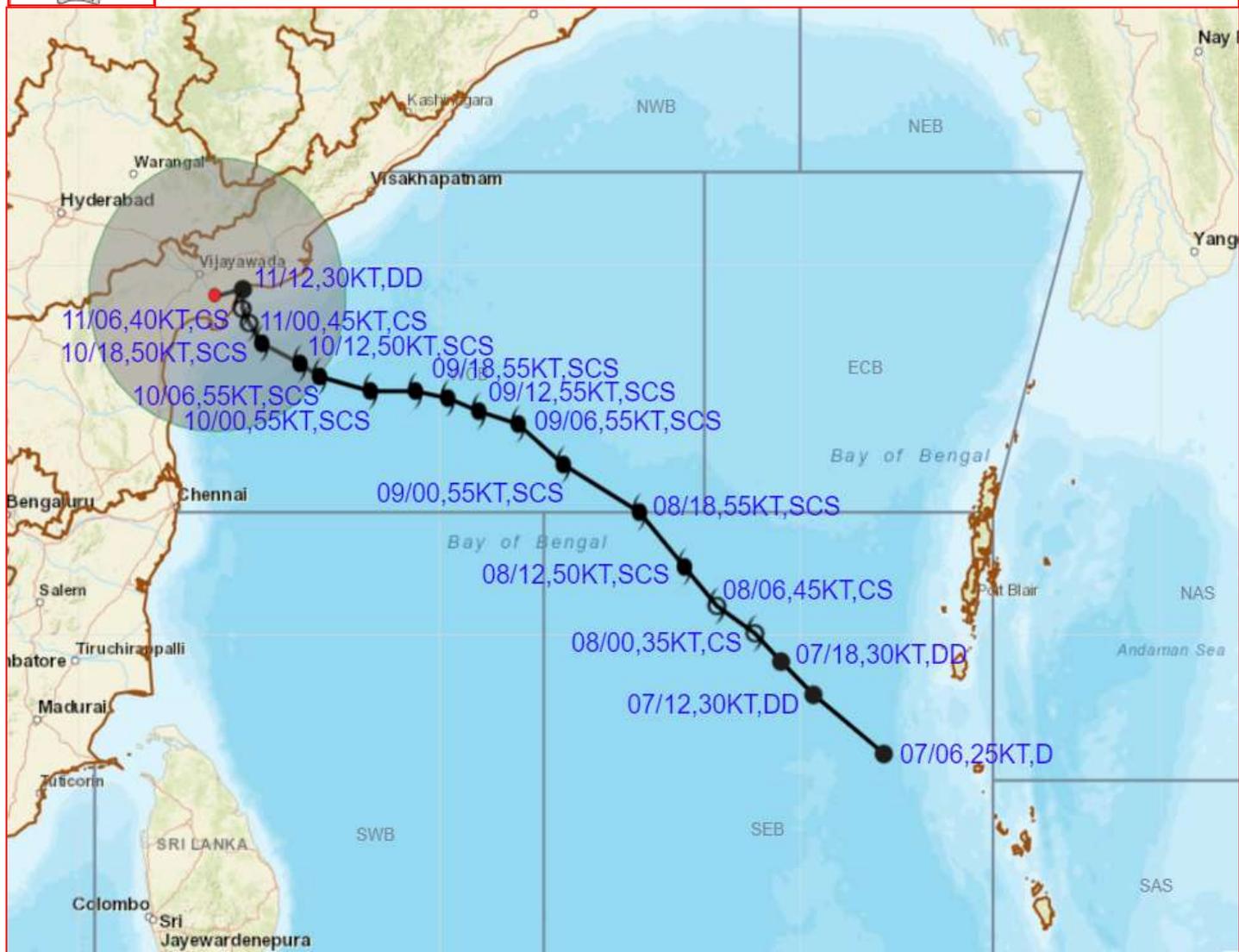
- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

DISTANCE(KM) AND DIRECTION FROM STATIONS								
Forecast Date and Time	Lead Period	MACHILIPATNAM	KAKINADA	VISHAKHAPATNAM	GOPALPUR	PURI		
11.05.22/1800		0 30,W	160,WSW	310,WSW	540,SW	660,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
11.05.22/1800	0	16.2	80.9	MACHILIPATNAM/ FRANCHPET (27,W)	VIJAYAWADA /GANNAVARAM (39,SSE)	VIJAYAWADA (46,SE)	BAPATLA (57,NE)	NARSAPUR (89,WSW)

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 ANDHRA PRADESH COAST BASED ON 1800 UTC OF 11TH MAY 2022



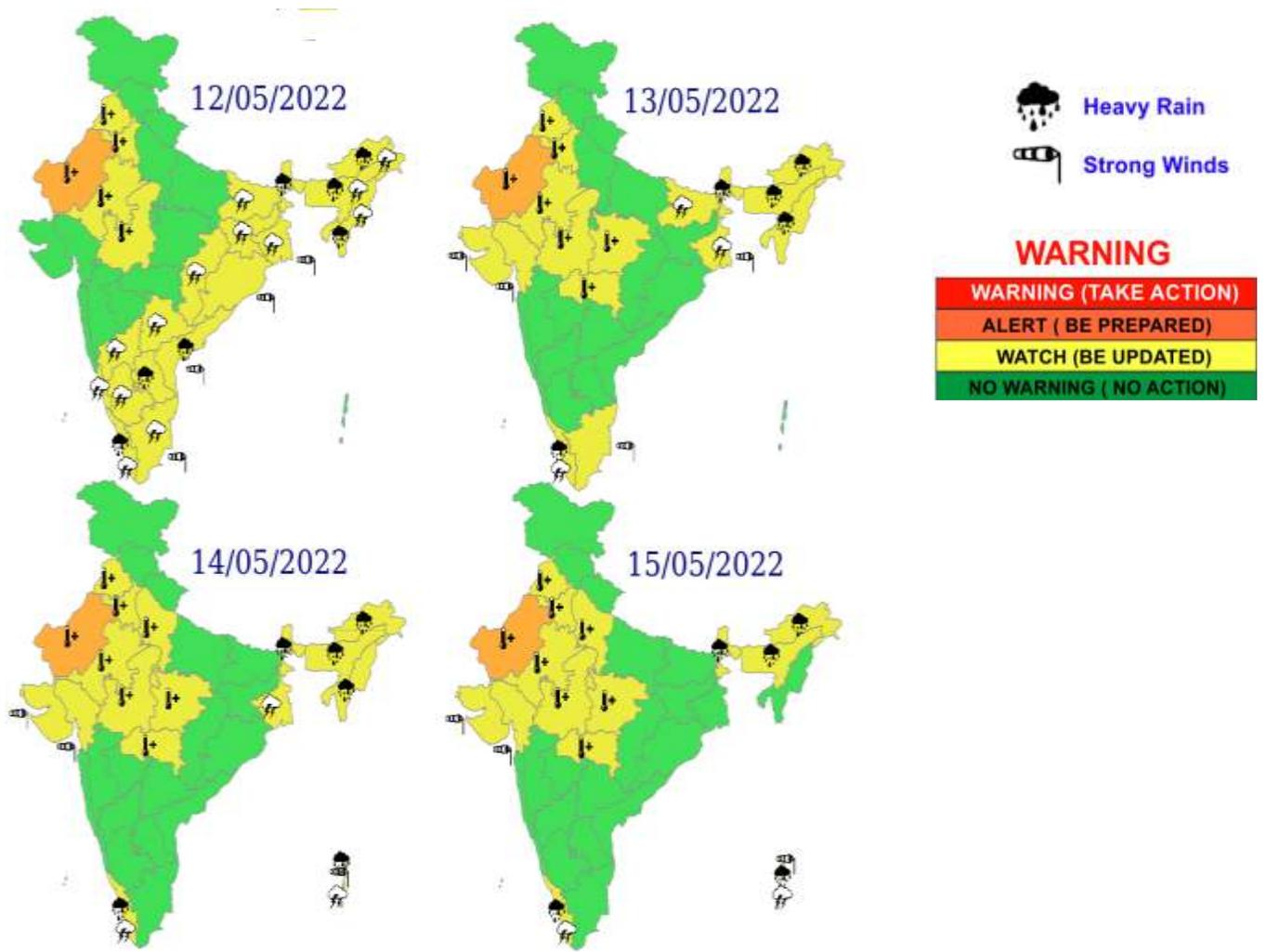
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM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

Heavy rainfall warning Graphics



FISHERMEN WARNING GRAPHICS

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

