



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 33 (BOB/03/2022)

TIME OF ISSUE: 2130 HOURS IST

DATED: 11.05.2022

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

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CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)
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CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)
CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)**

Sub: Deep Depression (remnant of cyclonic storm 'ASANI') over coastal Andhra Pradesh and adjoining Westcentral Bay of Bengal

The Deep Depression (remnant of cyclonic storm 'ASANI') over Westcentral Bay of Bengal moved nearly northward with a speed of about 6 kmph during last 6 hours, crossed Andhra Pradesh coast near Latitude 16.3°N and Longitude 81.3°E between Machilipatnam and Narsapur as a Deep Depression with wind speed of 55-65 gusting to 75 kmph during 1730 to 1930 hours IST of today and lay centred at 2030 hrs IST of today, the 11th May, 2022 over coastal Andhra Pradesh and adjoining Westcentral Bay of Bengal, near Latitude 16.4°N and Longitude 81.3°E, about 30 km north-northeast of Machilipatnam, 40km west of Narsapur.

It is very likely to move north-northeastwards along Yanam, Kakinada and Tuni coasts during next 12 hours 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
11.05.22/2030	16.4/81.3	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)

11th 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.

12th May: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is likely 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 and along & off Andhra Pradesh coast by 12th May morning.
- Squally wind speed reaching 55-65 kmph gusting to 75 kmph is 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 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 during 11th to 12th May.

(iii) Sea condition

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

(iv) Fishermen Warning (Graphics enclosed)

- Total suspension of fishing operations over westcentral Bay of Bengal and over northwest Bay of Bengal till 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 till 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 0230 hours IST of tomorrow, the 12th May, 2022.

**(Amit Bhardwaj)
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

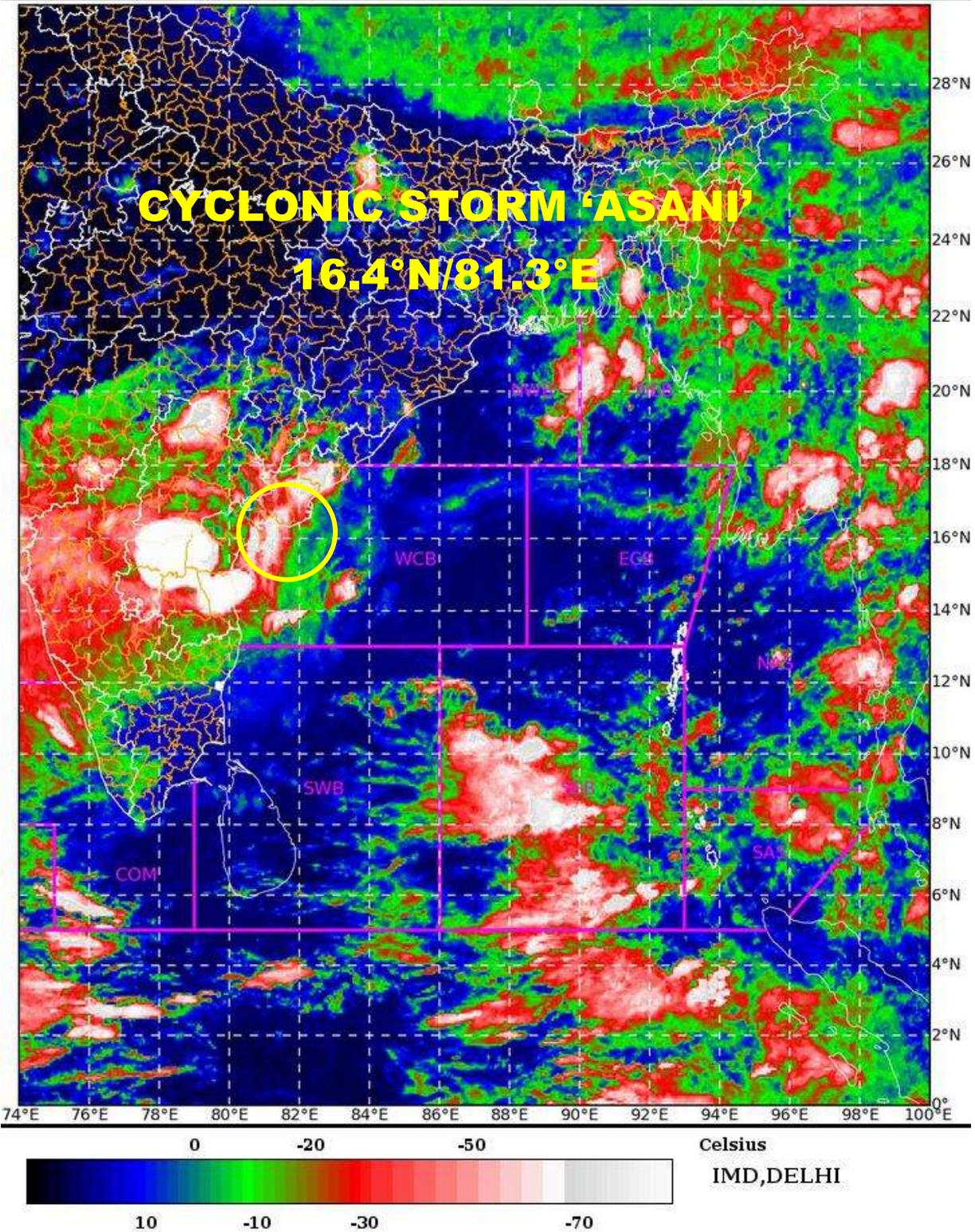
SAT : INSAT-3D IMG

11-05-2022/(1430 to 1456) GMT

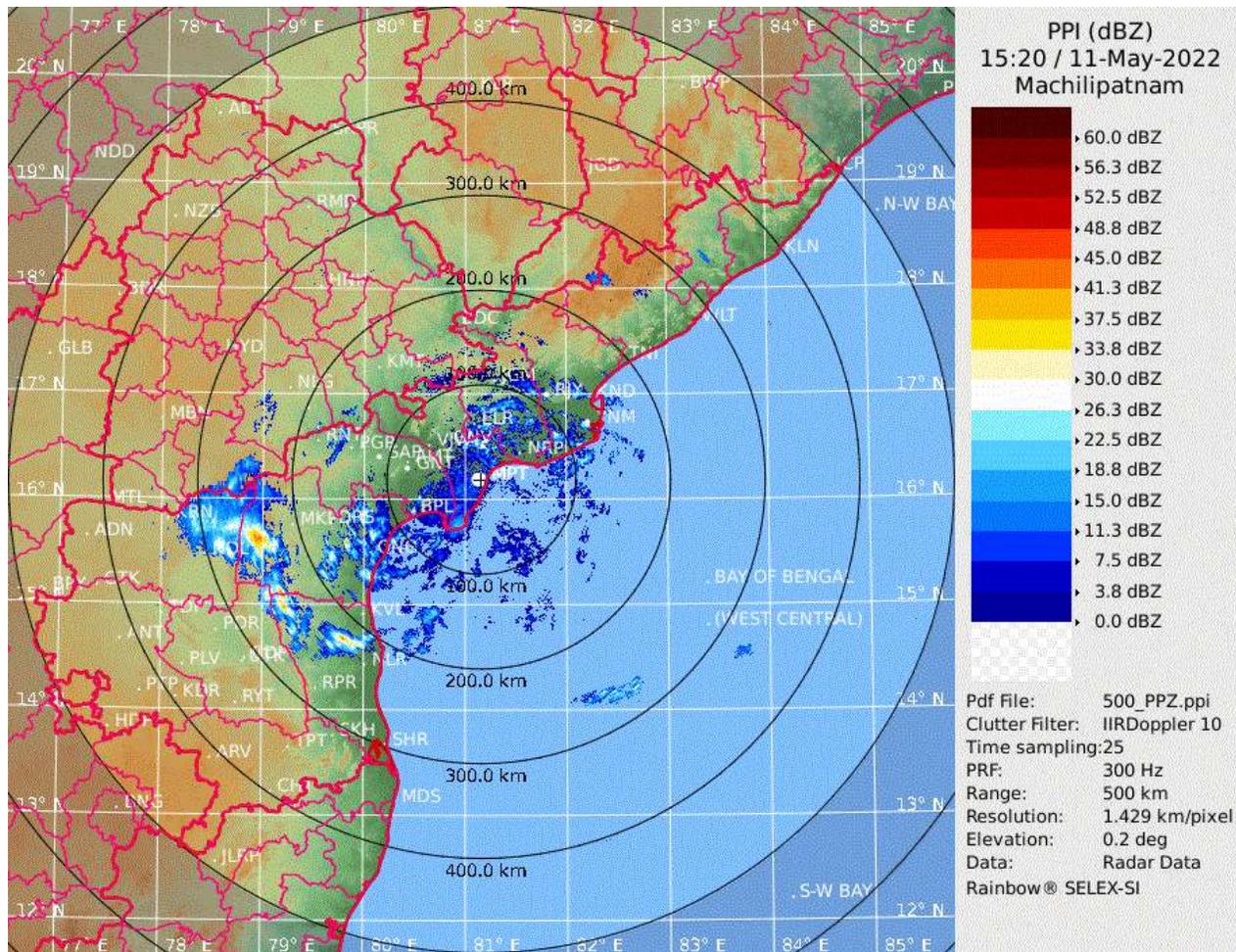
IMG_TIR1_TEMP 10.8 um

11-05-2022/(2000 to 2026) IST

L1C Mercator

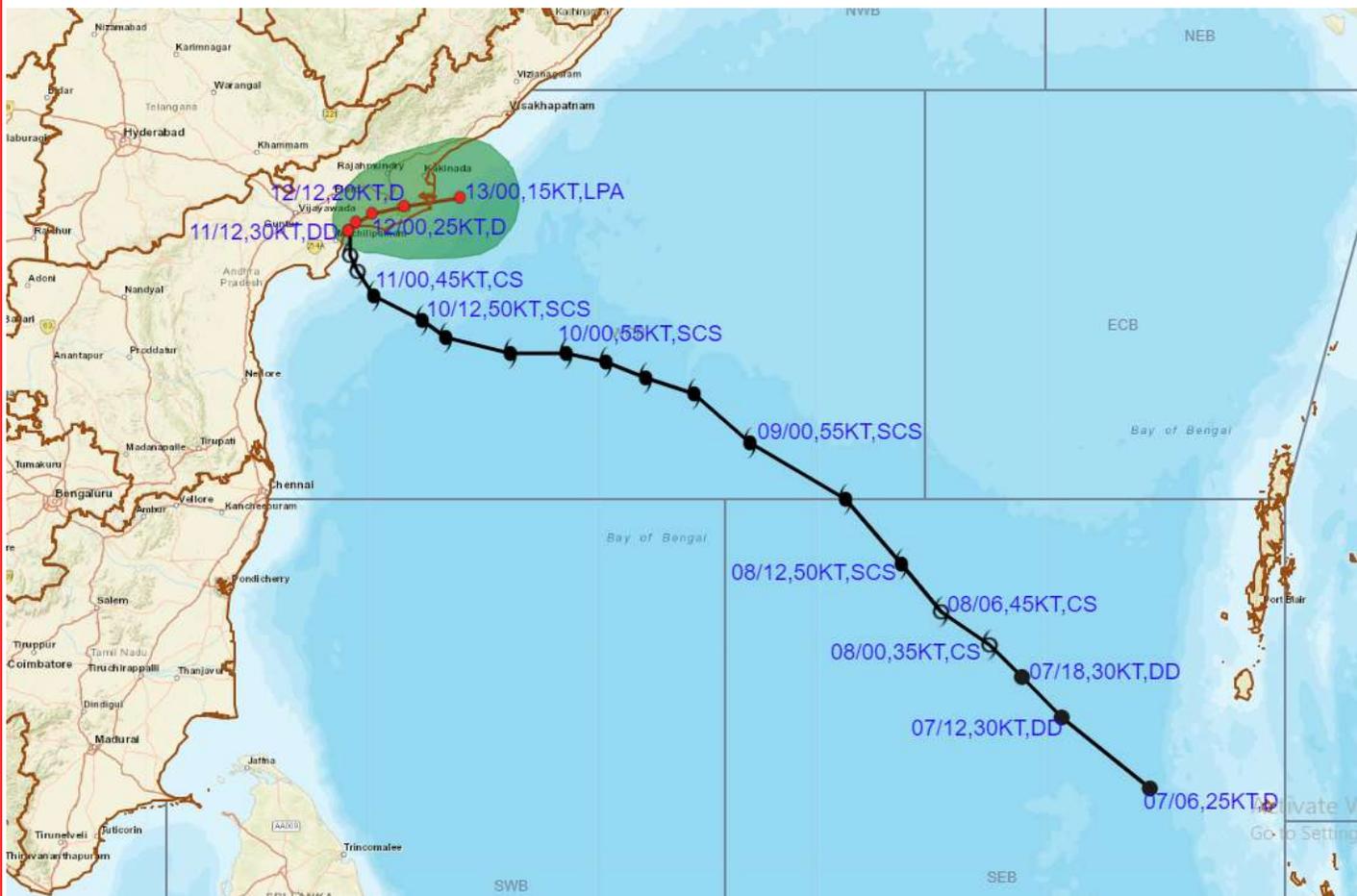


CYCLONIC STORM "ASANI" VIEWED BY THE DWR AT MACHILIPATNAM





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

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 11TH MAY 2022



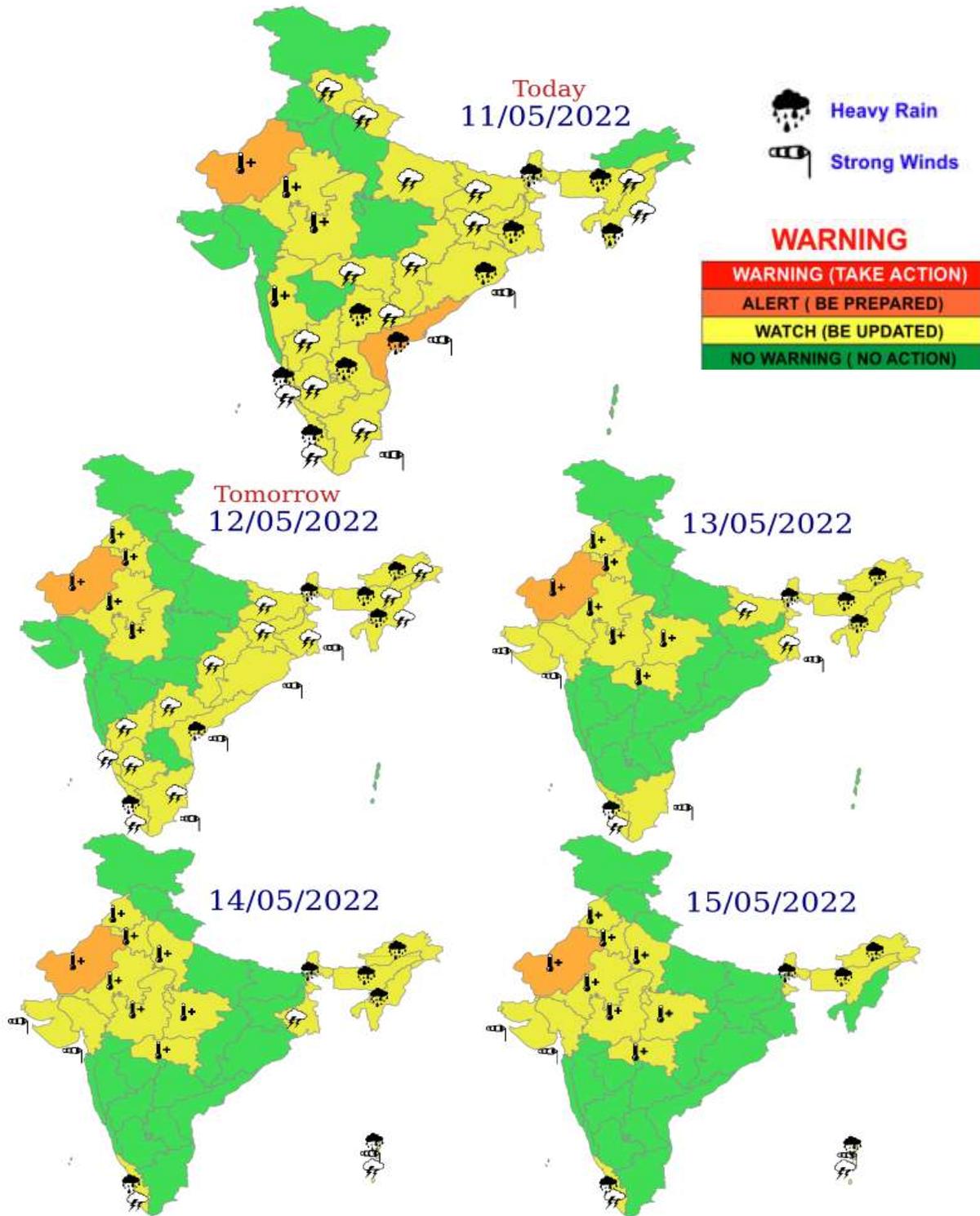
DATE/TIME IN UTC
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 L: LOW PRESSURE AREA
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 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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



FISHERMEN WARNING GRAPHICS

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

