

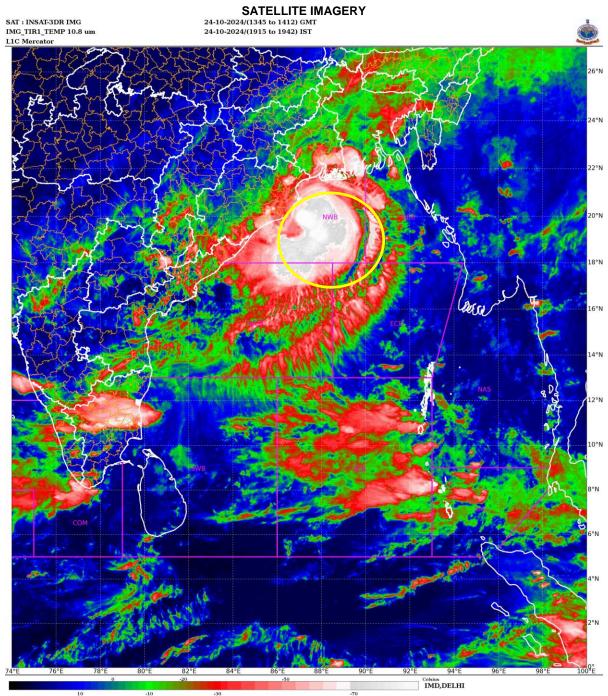
India Meteorological Department (Ministry of Earth Sciences)

HOURLY UPDATE ON SEVERE CYCLONIC STORM "DANA"

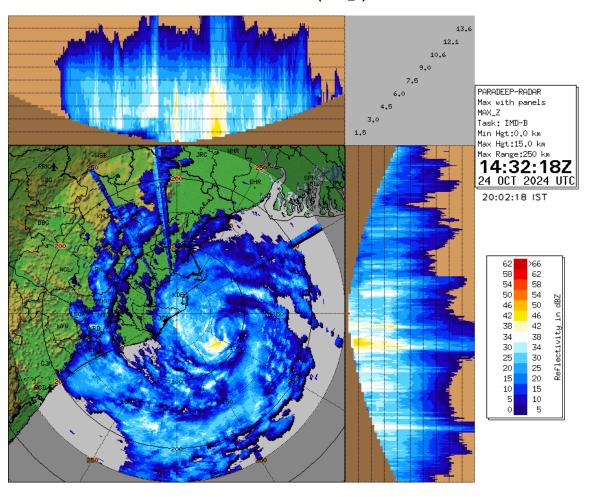
BULLETIN NO. 2

DATE: 24-10-2024 TIME OF ISSUE 2030 HRS IST

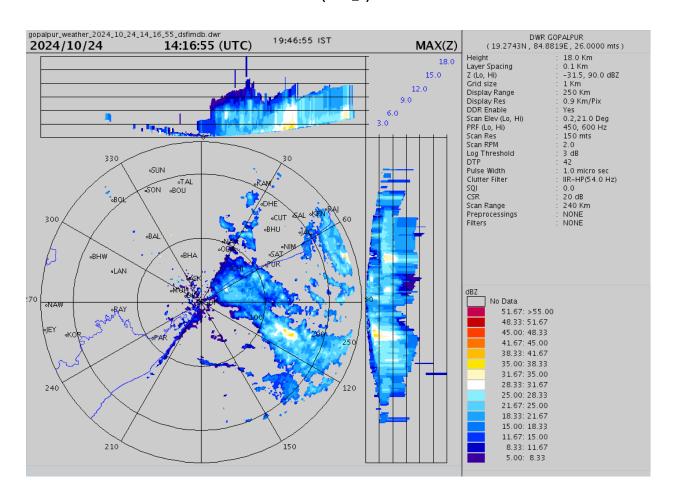
DATE/TIME (IST) OF	BASED ON 24-10-2024 (1830 HRS IST)			
OBSERVATION				
LOCATION	THE SEVERE CYCLONIC STORM "DANA" (PRONOUNCED AS			
LATITUDE/LONGITUDE	DANA) OVER NORTHWEST BAY OF BENGAL MOVED NORTH-			
	NORTHWESTWARDS WITH A SPEED OF 13 KMPH DURING PAST 6 HOURS AND LAY CENTRED AT 1830 HRS IST OF TODAY, THE			
	24TH OCTOBER, OVER THE SAME REGION, NEAR LATITUDE 19.9°			
	N AND LONGITUDE 87.4°E, ABOUT 90 KM EAST-SOUTHEAST OF			
	PARADIP (ODISHA), 110 KM SOUTH-SOUTHEAST OF DHAMARA			
	(ODISHA) AND 210 KM SOUTH-SOUTHWEST OF SAGAR ISLAND			
	(WEST BENGAL).			
CURRENT INTENSITY WIND SPEED	SEVERE CYCLONIC STORM			
	105-115 KMPH GUSTING TO 125 KMPH			
FORECAST	IT IS VERY LIKELY TO MOVE NORTH-NORTHWESTWARDS AND CROSS NORTH ODISHA AND WEST BENGAL COASTS BETWEEN			
	PURI AND SAGAR ISLAND CLOSE TO BHITARKANIKA AND			
	DHAMARA (ODISHA) DURING MID-NIGHT OF 24TH TO MORNING			
	OF 25TH OCTOBER, 2024 AS A SEVERE CYCLONIC STORM WITH A			
	WIND SPEED OF 100-110 KMPH GUSTING 120 KMPH.			
OBSERVED RAINFALL BHUBANESWAR-15.0, BALASORE-13.6, CHANDBALI-27.6, FROM 0830 HRS IST TO PARADIP-28.2				
1020 IID C ICE (0200 1200	PARADIP-28.2 HALDIA-23.0, DIGHA-22.0			
UTC) OF 24 TH OCT.	III 125.0, DIGITA 22.0			
(mm)				
	PARADIP- 14KT/ NNWLY, BHUBANESWAR-			
	10 KT/ NNWLY, BALASORE-08 KT/NNELY,			
UTC) OF 05 TH DEC.	CANNING & DUMDUM 08 & 10 KT/NELY			
(KNOTS)				



RADAR OBSERVATIONS (MAX_Z) OF DWR PARADIP

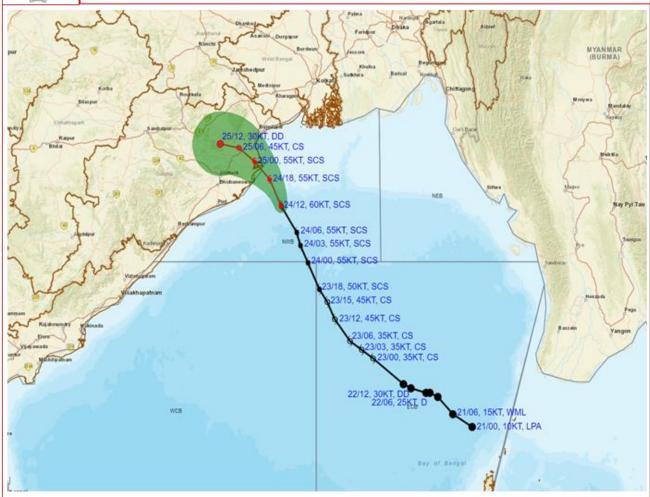


RADAR OBSERVATIONS (MAX_Z) OF DWR GOPALPUR





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF SEVERE CYCLONIC STORM 'DANA' OVER NORTHWEST BAY OF BENGAL BASED ON 1200 UTC (1730 Hrs. IST) OF 24th OCTOBER 2024



DATE/TIME : IN UTC IST : UTC + 0530

KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR

LPA : LOW PRE SSURE ARE A

WML : WELL MARKED LOW PRESSURE AREA

D : DE PRE SSION (17-27 K T)
DD : DE EP DE PRE SSION (28-33 K T)
CS : CYCLONIC STORM (34-47 K T)

SCS : SEVERECY CLONIC STORM (48-63 KT)
VSCS : VERY SEVERECY CLONIC STORM (64-89 KT)

ESCS : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS : SUPER CYCLONIC STORM (≥120 KT)



Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS			
Date and Time (UTC)	PARADIP (CWR)	DHAMARA	SAGAR ISLAND	
24.10.24/1200	100, ESE	130, SSE	210, SSW	
25.10.24/1200	130, NW	110, WNW	230, WSW	