

India Meteorological Department (Ministry of Earth Sciences)

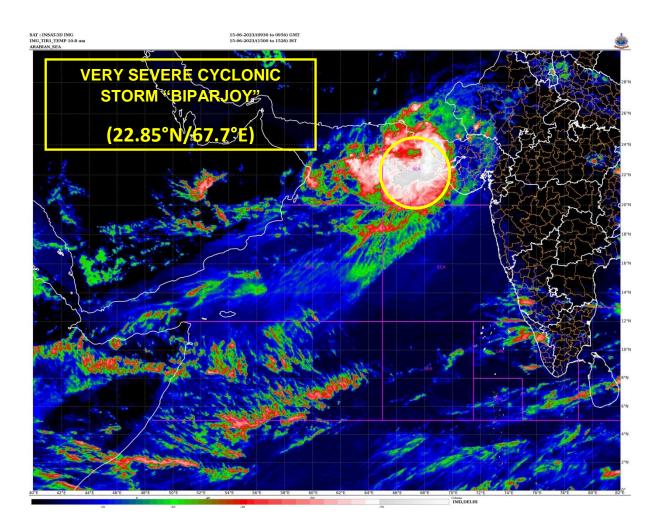
HOURLY UPDATE ON VERY SEVERE CYCLONIC STORM 'BIPARJOY'

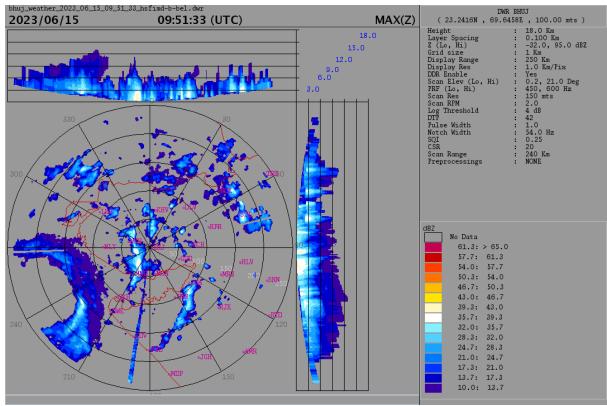
BULLETIN NO. 05

DATE: 15-06-2023

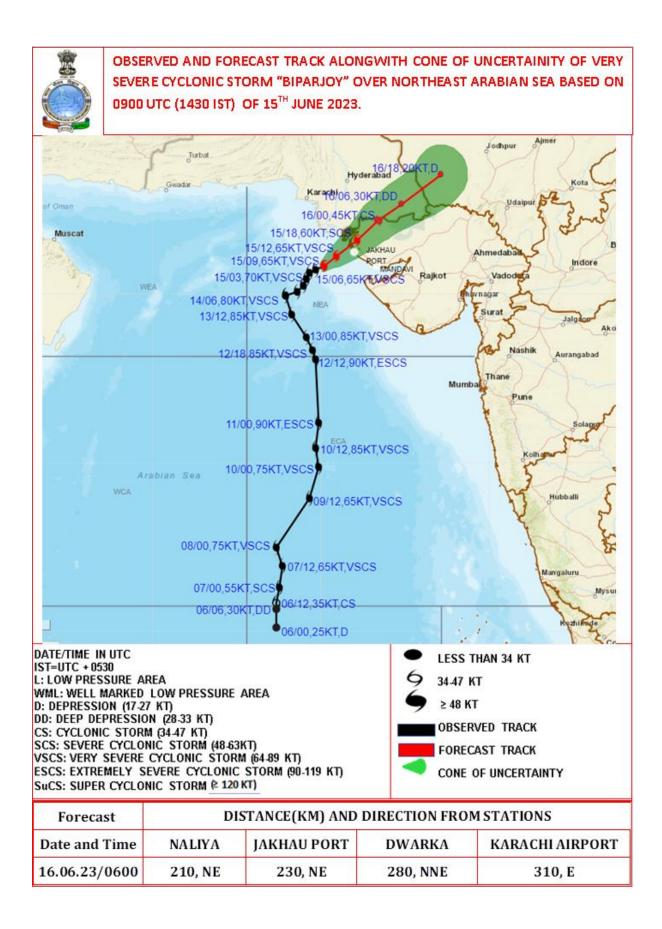
TIME OF ISSUE: 1630 HRS IST

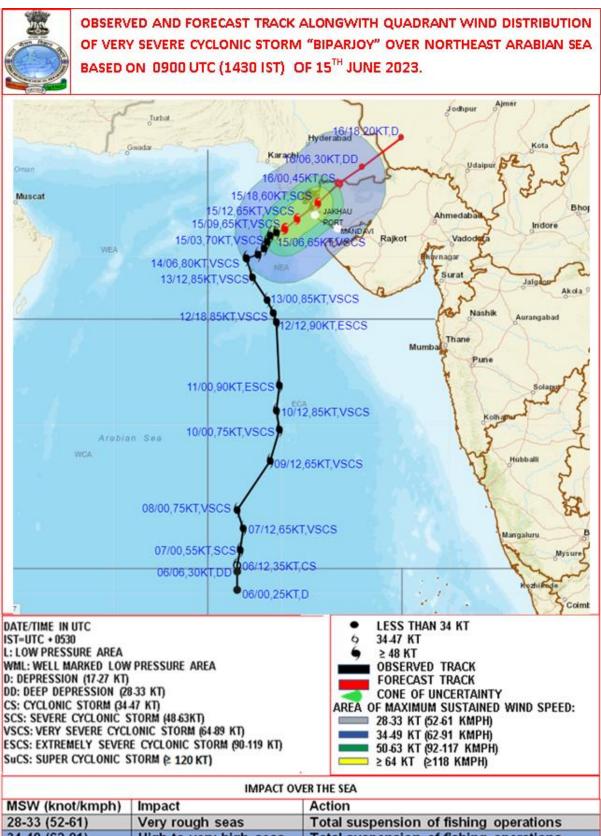
DATE/TIME (IST) OF OBSERVATION	BASED ON 15-06-2023 (1530 HRS IST)		
CURRENT LOCATION (LATITUDE/LONGITUDE)	NORTHEAST ARABIAN SEA NEAR LATITUDE 22.85°N AND LONGITUDE 67.7°E, • 100 KM WEST-SOUTHWEST OF JAKHAU PORT (GUJARAT), • 150 KM WEST-NORTHWEST OF DEVBHUMI DWARKA, • 130 KM WEST-SOUTHWEST OF NALIYA, • 240 KM SOUTH-SOUTHEAST OF KARACHI (PAKISTAN) • WALL CLOUD REGION OF THE CYCLONE IS TOUCHING THE		
CURRENT INTENSITY NEAR CENTRE	SAURASHTRA COAST. 120-130 KMPH GUSTING TO 145 KMPH		
REALIZED RAINFALL FROM 0830 HRS IST OF 15 TH JUNE (MM)	PORBANDAR-19; NALIYA-20; BHUJ-34; KANDLA-12;		
CURRENT WIND SPEED OBSERVED ALONG SAURASHTRA & KUTCH (KMPH)	 DWARAKA – 45; OKHA -32; DIU – 50; NALIYA - 32; VERAVAL – 47; BHUJ - 23; PORBANDAR – 47; KANDLA - 37; 		
PAST MOVEMENT	MOVED NORTH-NORTHEASTWARDS WITH A SPEED OF 06 KMPH DURING PAST 06 HOURS.		
LANDFALL FORECAST	 LANDFALL AREA: SAURASHTRA & KUTCH AND ADJOINING PAKISTAN COASTS. LANDFALL POINT: BETWEEN MANDVI AND KARACHI NEAR JAKHAU PORT LANDFALL TIME: BY TONIGHT. LANDFALL PROCESS WILL COMMENCE FROM EVENING OF TODAY, THE 15TH JUNE AND WILL CONTINUE TILL MIDNIGHT. WIND DURING LANDFALL: 115-125 KMPH GUSTING TO 140 KMPH 		
FORECAST STORM SURGE	 2 -3 M ABOVE THE ASTRONOMICAL TIDE IS LIKELY TO INUNDATE THE LOW LYING AREAS OF ABOVE DISTRICTS DURING THE TIME OF LANDFALL. NOTE: ASTRONOMICAL TIDES ALONG THESE DISTRICTS COULD BE UPTO 3-6 METERS IN DIFFERENT PLACES 		





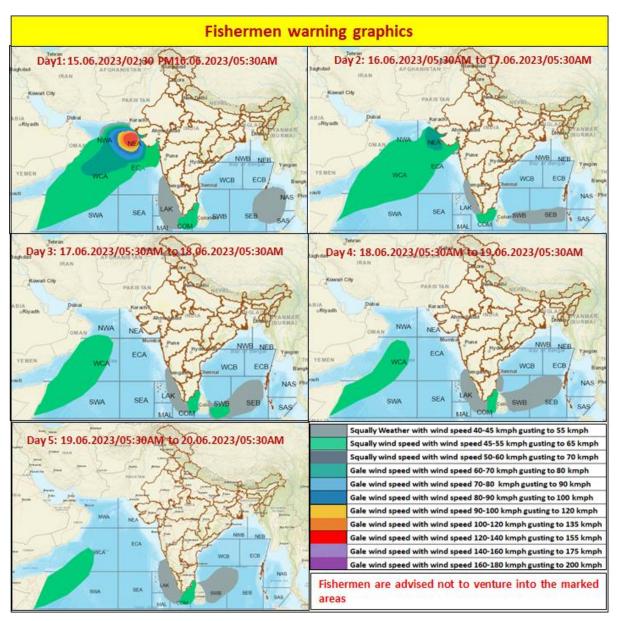
Reflectivity imagery from Doppler weather Radar -Bhuj based on 1520 hrs IST of 15thJune 2023.





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

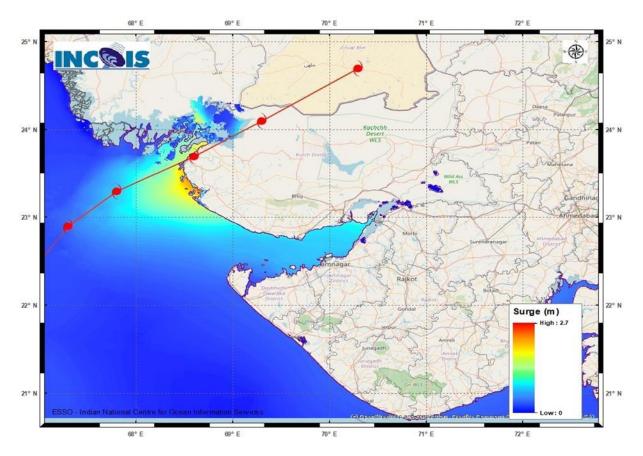
FISHERMEN WARNING GRAPHICS



STORM SURGE HEIGHT INFORMATION:

* The below listed surge heights are over and above astronomical tide.

Astronomical Tide On 15 th June 2023				
Station	Time (IST)	Height (M)		
Porbandar	09:37	2.61		
Navlakhi	13:38	7.54		
Okha	11:36	3.74		
Deendayal Port (Kandla)	13:02	6.79		



Storm surge graphics from INCOIS for VSCS-Biparjoy