

India Meteorological Department (Ministry of Earth Sciences)

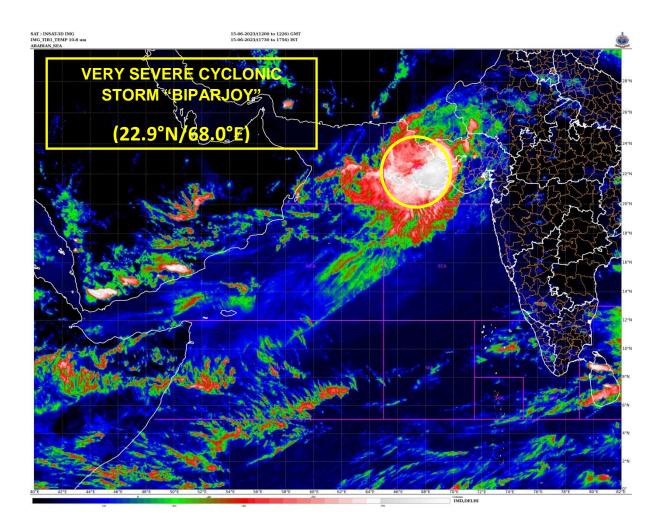
HOURLY UPDATE ON VERY SEVERE CYCLONIC STORM 'BIPARJOY'

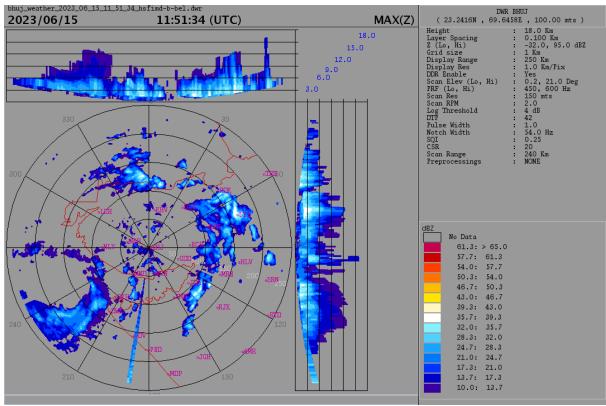
BULLETIN NO. 07

DATE: 15-06-2023

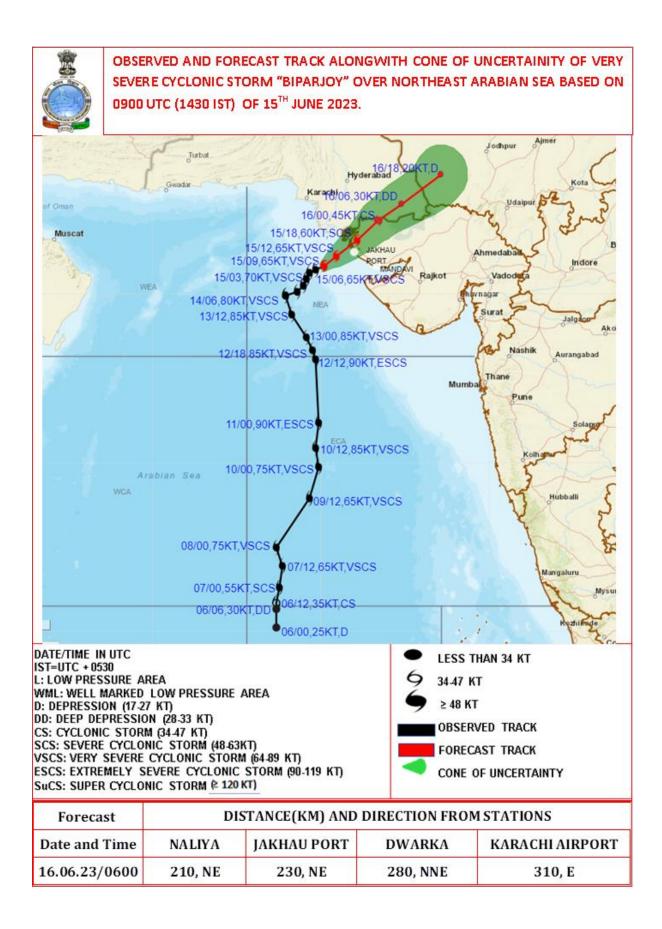
TIME OF ISSUE: 1830 HRS IST

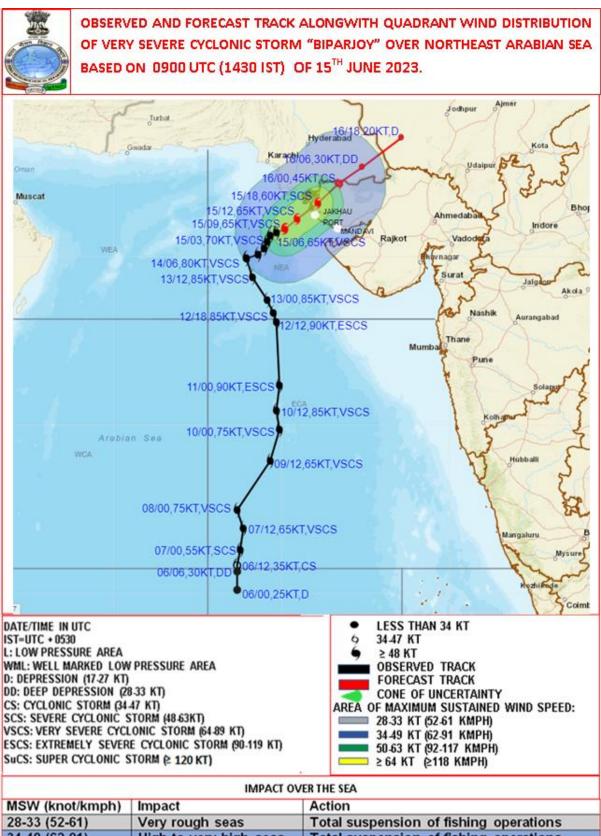
DATE/TIME (IST) OF OBSERVATION	BASED ON 15-06-2023 (1730 HRS IST)			
CURRENT LOCATION	NORTHEAST ARABIAN SEA NEAR LATITUDE 22.9°N AND			
(LATITUDE/LONGITUDE)	LONGITUDE 68.0°E,			
	• 70 KM WEST-SOUTHWEST OF JAKHAU PORT (GUJARAT),			
	• 130 KM WEST-NORTHWEST OF DEVBHUMI DWARKA,			
	• 100 KM WEST-SOUTHWEST OF NALIYA,			
	• 240 KM SOUTH-SOUTHEAST OF KARACHI (PAKISTAN)			
	LANDFALL PROCESS HAS COMMENCED.			
CURRENT INTENSITY	115-125 KMPH GUSTING TO 140 KMPH			
NEAR CENTRE				
REALIZED RAINFALL FROM	DWARKA-28;OKHA-20; NALIYA-32; BHUJ-62; PORBANDAR-28;			
0830 HRS IST OF 15 TH JUNE	KANDLA-30;			
(MM)				
CURRENT WIND SPEED	• DWARAKA – 45; OKHA -39; DIU – 50;			
OBSERVED ALONG • NALIYA - 43; VERAVAL – 39; BHUJ - 30;				
SAURASHTRA & KUTCH	• PORBANDAR – 37; KANDLA - 30;			
(KMPH)				
PAST MOVEMENT	MOVED EAST-NORTHEASTWARDS WITH A SPEED OF 12 KMPH DURING PAST 06 HOURS.			
LANDFALL FORECAST	LANDFALL AREA: SAURASHTRA & KUTCH AND ADJOINING			
LANDFALL FORECAST	• LANDFALL AREA. SAURASHTRA & RUTCH AND ADJOINING PAKISTAN COASTS.			
	LANDFALL POINT: BETWEEN MANDVI AND KARACHI NEAR			
	JAKHAU PORT			
	LANDFALL TIME: LANDFALL PROCESS HAS COMMENCED AND BY			
	MIDNIGHT IT WILL BE COMPLETELY OVER THE LAND.			
	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			





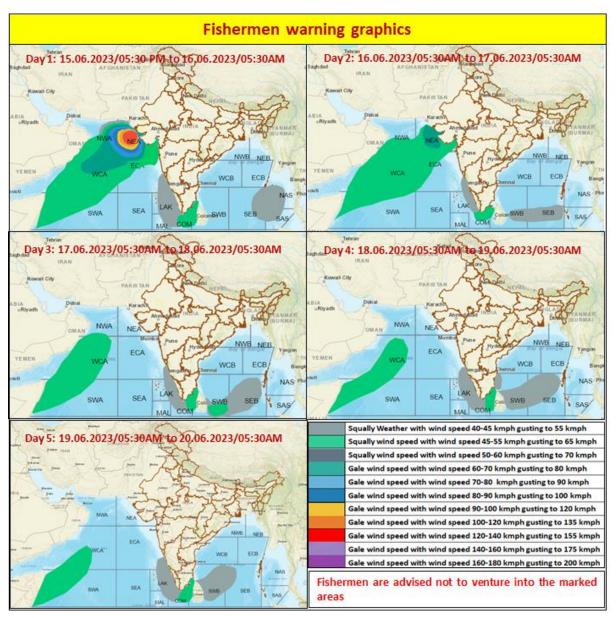
Reflectivity imagery from Doppler weather Radar -Bhuj based on 1720 hrs IST of 15thJune 2023.





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

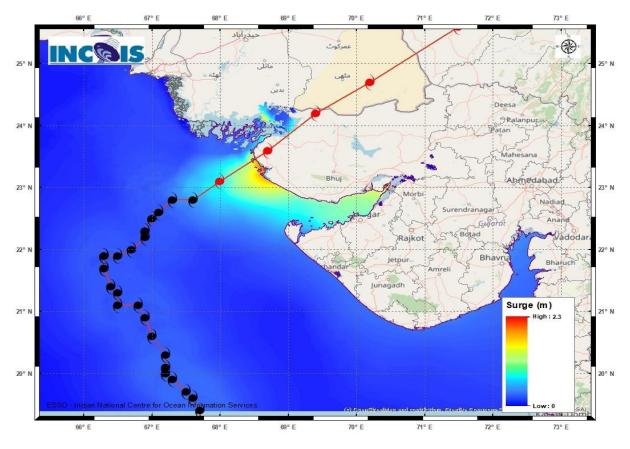




STORM SURGE HEIGHT INFORMATION:

* 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