

India Meteorological Department (Ministry of Earth Sciences)

HOURLY UPDATE ON CYCLONIC STORM "MANDOUS"

BULLETIN NO. 02

DATE: 09-12-2022

TIME OF ISSUE: 2030 HRS IST

DATE/TIME (IST) OF	BASED ON 09-12-2022 (1930 HRS IST)
OBSERVATION	
LOCATION	THE CYCLONIC STORM "MANDOUS" PRONOUNCED AS "MAN-
LATITUDE/LONGITUDE	DOUS" OVER SOUTHWEST BAY OF BENGAL MOVED
	NORTHWESTWARDS WITH A SPEED OF 14 KMPH DURING
	PAST 06 HOURS AND LAY CENTERED AT 1930 HOURS IST OF
	TODAY, THE 09 TH DECEMBER, 2022 OVER SOUTHWEST BAY OF
	BENGAL OFF NORTH TAMILNADU AND PUDUCHERRY COASTS
	NEAR LATITUDE 12.15°N AND LONGITUDE 80.65°E, ABOUT 70
	KM SOUTHEAST OF MAMALLAPURAM AND ABOUT 110 KM
	SOUTH-SOUTHEAST OF CHENNAI.
CURRENT INTENSITY	70-80 KMPH GUSTING TO 90 KMPH.
PAST MOVEMENT	MOVED NORTHWESTWARDS WITH A SPEED OF 14 KMPH
	DURING PAST 06 HOURS.
FORECAST MOVEMENT,	IT IS VERY LIKELY TO MOVE NEARLY NORTHWESTWARDS
INTENSITY AND	AND CROSS NORTH TAMILNADU, PUDUCHERRY AND
LANDFALL	ADJOINING SOUTH ANDHRA PRADESH COASTS BETWEEN
	PUDUCHERRY AND SRIHARIKOTA AROUND MAMALLAPURAM (MAHABALIPURAM) AS A CYCLONIC STORM WITH A MAXIMUM
	SUSTAINED WIND SPEED OF 65-75 KMPH GUSTING TO 85
	KMPH DURING MIDNIGHT OF TODAY, THE 09TH DECEMBER TO
	EARLY HOURS OF TOMORROW, THE 10TH DECEMBER.
	THEREAFTER IT WOULD GRADUALLY WEAKEN INTO A DEEP
	DEPRESSION BY EARLY MORNING AND INTO A DEPRESSION
	BY NOON OF 10 TH DECEMBER.
FORECAST WIND	ALONG & OFF TAMIL NADU, PUDUCHERRY AND SOUTH
	ANDHRA PRADESH COASTS:- GALE WIND, SPEED REACHING 65-75 KMPH GUSTING TO 85 KMPH VERY LIKELY TO PREVAIL
	TILL EARLY HOURS OF 10^{TH} DECEMBER. IT IS LIKELY TO
	REDUCE GRADUALLY THEREAFTER BECOMING 55-65 KMPH
	GUSTING TO 75 KMPH BY MORNING OF 10TH DECEMBER AND
	THEN TO 30-40 KMPH GUSTING TO 50 KMPH BY 10TH DECEMBER EVENING.
	09 TH DECEMBER: - LIGHT TO MODERATE RAINFALL AT MOST
FORECAST RAINFALL	PLACES WITH HEAVY TO VERY HEAVY RAINFALL AT A FEW
	PLACES VERY LIKELY OVER NORTH COASTAL TAMIL NADU,
	PUDUCHERRY AND ISOLATED HEAVY TO VERY HEAVY
	RAINFALL LIKELY OVER ADJOINING SOUTH COASTAL ANDHRA
	PRADESH AND NORTH INTERIOR TAMILNADU AND

	RAYALASEEMA. 10 TH DECEMBER:- IT IS LIKELY TO REDUCE TO LIGHT TO MODERATE RAINFALL AT MOST PLACES WITH HEAVY TO VERY HEAVY RAINFALL AT ISOLATED PLACES OVER NORTH INTERIOR TAMIL NADU AND RAYALASEEMA AND ADJOINING SOUTH ANDHRA PRADESH.
FORECAST STORM SURGE	THE STORM SURGE OF ABOUT 0.5 M HEIGHT ABOVE THE ASTRONOMICAL TIDE LIKELY TO INUNDATE LOW LYING AREAS OF NORTH COASTAL TAMILNADU AND PUDUCHERRY DURING THE TIME OF LANDFALL.

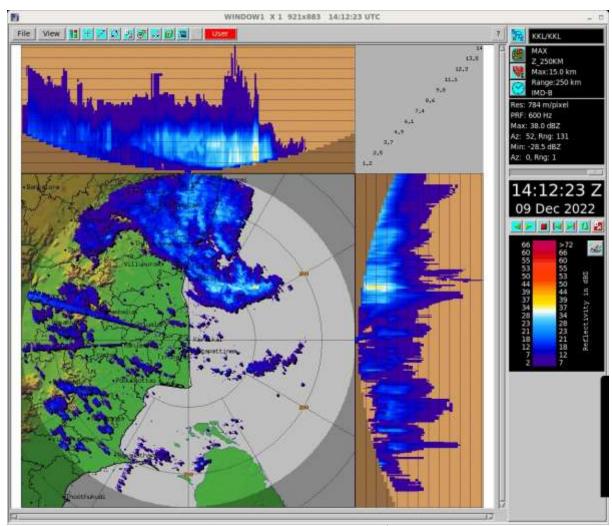


Image from Doppler Weather Radar Karaikal from 14 UTC of 9th December 2022

OBSERVED AND FORECAST TRACK OF CYCLONIC STORM 'MANDOUS' OVER SOUTHWEST BAY OF BENGAL BASED ON 1200 UTC OF 09th DECEMBER, 2022.

