



**India Meteorological Department
(Ministry of Earth Sciences)**

HOURLY UPDATE ON CYCLONIC STORM 'TAUKTAE' OVER GUJARAT

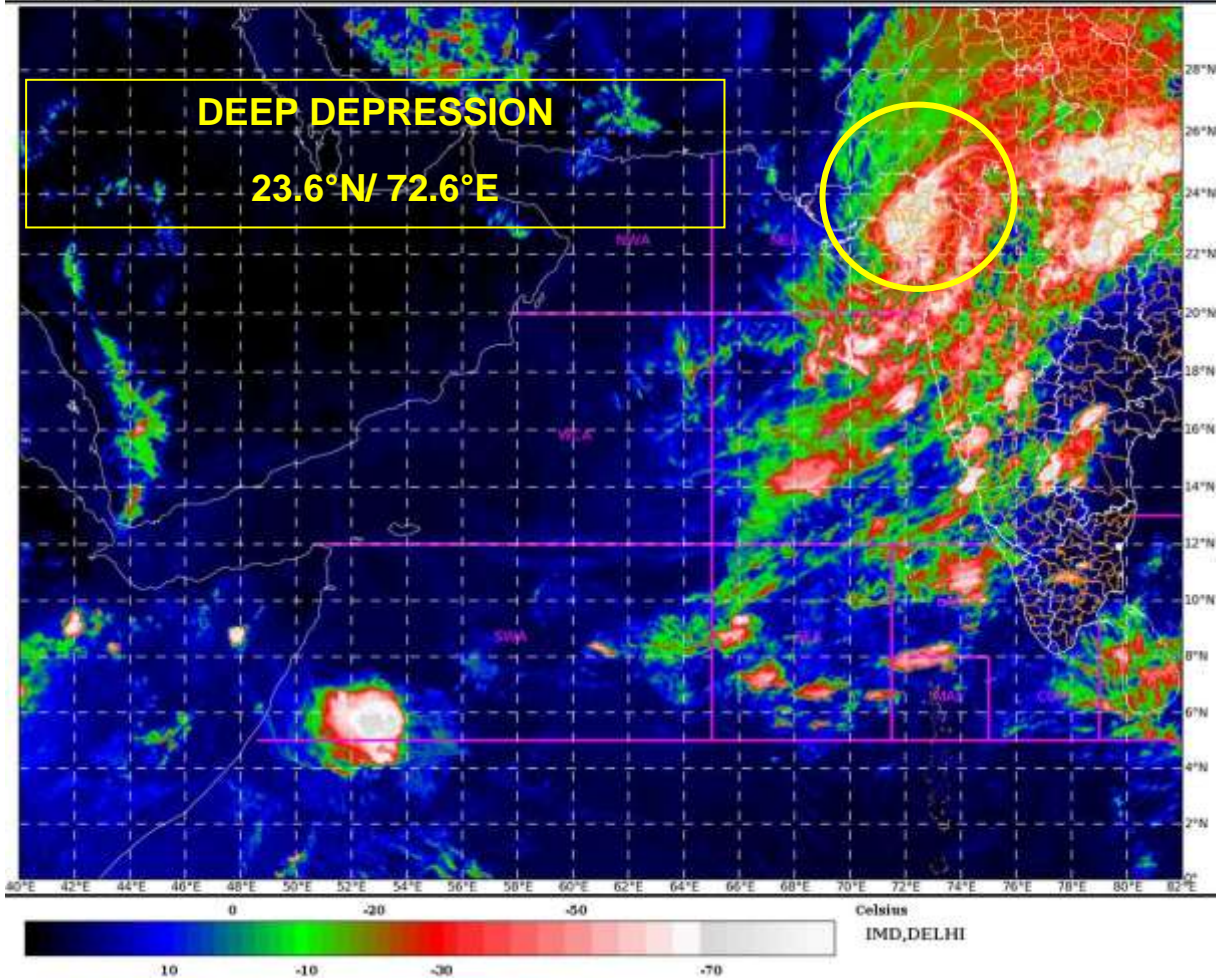
BULLETIN NO. 35

DATE: 18-05-2021

TIME OF ISSUE: 2125 HRS IST

DATE/TIME (IST) OF OBSERVATION	BASED ON 18-05-2021 (2030 HRS IST)
LOCATION LATITUDE/LONGITUDE	THE CYCLONIC STORM 'TAUKTAE' WEAKENED INTO A DEEP DEPRESSION AND LAY CENTRED AT 2030 HRS IST OF 18 TH MAY 2021 OVER SAURASHTRA, NEAR LAT. 23.6°N AND LONG. 72.6°E, ABOUT 60 KM NORTH-NORTHEAST OF AHMEDABAD.
CURRENT INTENSITY NEAR CENTRE	55-65 KMPH GUSTING TO 75 KMPH
PAST MOVEMENT	MOVED NORTH-NORTHEASTWARDS WITH A SPEED OF 23 KMPH DURING PAST 06 HOURS.
FORECAST MOVEMENT AND INTENSITY	IT WOULD FURTHER MOVE NORTH-NORTHEASTWARDS AND WEAKEN GRADUALLY INTO A DEPRESSION DURING NEXT 12 HOURS.
FORECAST RAINFALL	LIGHT TO MODERATE RAINFALL AT MANY PLACES WITH HEAVY TO VERY HEAVY FALLS AT ISOLATED PLACES OVER GUJARAT REGION ON 18 TH MAY.
FORECAST WIND SPEED (KMPH)	GALE WINDS SPEED REACHING 50-60 KMPH GUSTING TO 70 KMPH LIKELY TO PREVAIL OVER SURENDRANAGAR, RAJKOT, ANAND, AHMEDABAD: 40-50 KMPH GUSTING TO 60 KMPH OVER AMRELI, BHAVNAGAR, BOTAD, DIU, GIR SOMNATH, JUNAGARH, KHEDA, BHARUCH, JAMNAGAR, PORBANDAR & MORBI DURING NEXT FEW HOURS AND GRADUALLY DECREASE THEREAFTER. DISTRICTS SQUALLY WIND SPEED REACHING 45-55 KMPH GUSTING TO 65 KMPH IS LIKELY TO PREVAIL OVER SOUTH RAJASTHAN FROM THE EVENING OF 18 TH TILL 19 TH EARLY MORNING.
REALISED WEATHER GUJARAT & DIU	WIND REPORTED AT 2030 HOURS IST OF 18.05.2021: VADODARA: 40 KMPH AND AHMEDABAD: 38 KMPH RAINFALL IN CM (REPORTED DURING 0830 HOURS IST TO 2030 HOURS IST OF 18.05.2021): AHMEDABAD: 11, SURAT:4, BHAVNAGAR:11, VADODARA:8, SURENDRANAGAR:2

THIS IS THE LAST HOURLY BULLETIN ISSUED FOR CYCLONIC STORM 'TAUKTAE'





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION REMNANTS OF "TAUKTAE" OVER GUJARAT BASED ON 1500 UTC OF 18TH MAY, 2021



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



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION REMNANTS OF "TAUKTAE" OVER GUJARAT BASED ON 1500 UTC OF 18TH MAY, 2021



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
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 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 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 FOR GUJARAT STATE TILL 0830 HOURS IST OF 19TH MAY



HEAVY RAINFALL WARNING FOR GUJARAT STATE FROM 0830 HOURS IST OF 18TH TO 0830 HOURS IST OF 19TH MAY

WIND WARNING FOR GUJARAT STATE FOR NEXT 06 HOURS

