



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

BULLETIN NO.36: (ARB/01/2021)

TIME OF ISSUE: 2130 HOURS IST

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Subject: Cyclonic Storm "Tauktae" (pronounced as Tau'Te) weakened into a Deep Depression over Gujarat region

The **Cyclonic Storm "Tauktae" (pronounced as Tau'Te)** over Gujarat region moved north-northeastwards with a speed of about 23 kmph during past 06 hours, weakened into a **Deep Depression** and lay centred at 2030 hours IST of today, the 18th May, 2021 over Gujarat region near latitude 23.6°N and longitude 72.6°E, about 60 km north-northeast of Ahmedabad.

It is very likely to move north-northeastwards and weaken gradually into a Depression during next 12 hours. The remnant of the system is very likely to move further northeastwards across Rajasthan to west Uttar Pradesh during 19th & 20th May.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
18.05.21/2030	23.6/72.6	55-65 gusting to 75	Deep Depression
18.05.21/2330	24.2/73.0	50-60 gusting to 70	Deep Depression
19.05.21/0530	25.0/73.9	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall:

- **Gujarat:** Light to moderate rainfall at most places with heavy to very heavy falls isolated places very likely over Gujarat region and Saurashtra during next 12 hours.
- **Rajasthan:** Light to moderate rainfall at many places with heavy to very heavy falls at isolated places very likely over south Rajasthan on 18th & heavy falls at isolated places over north Rajasthan on 19th May.

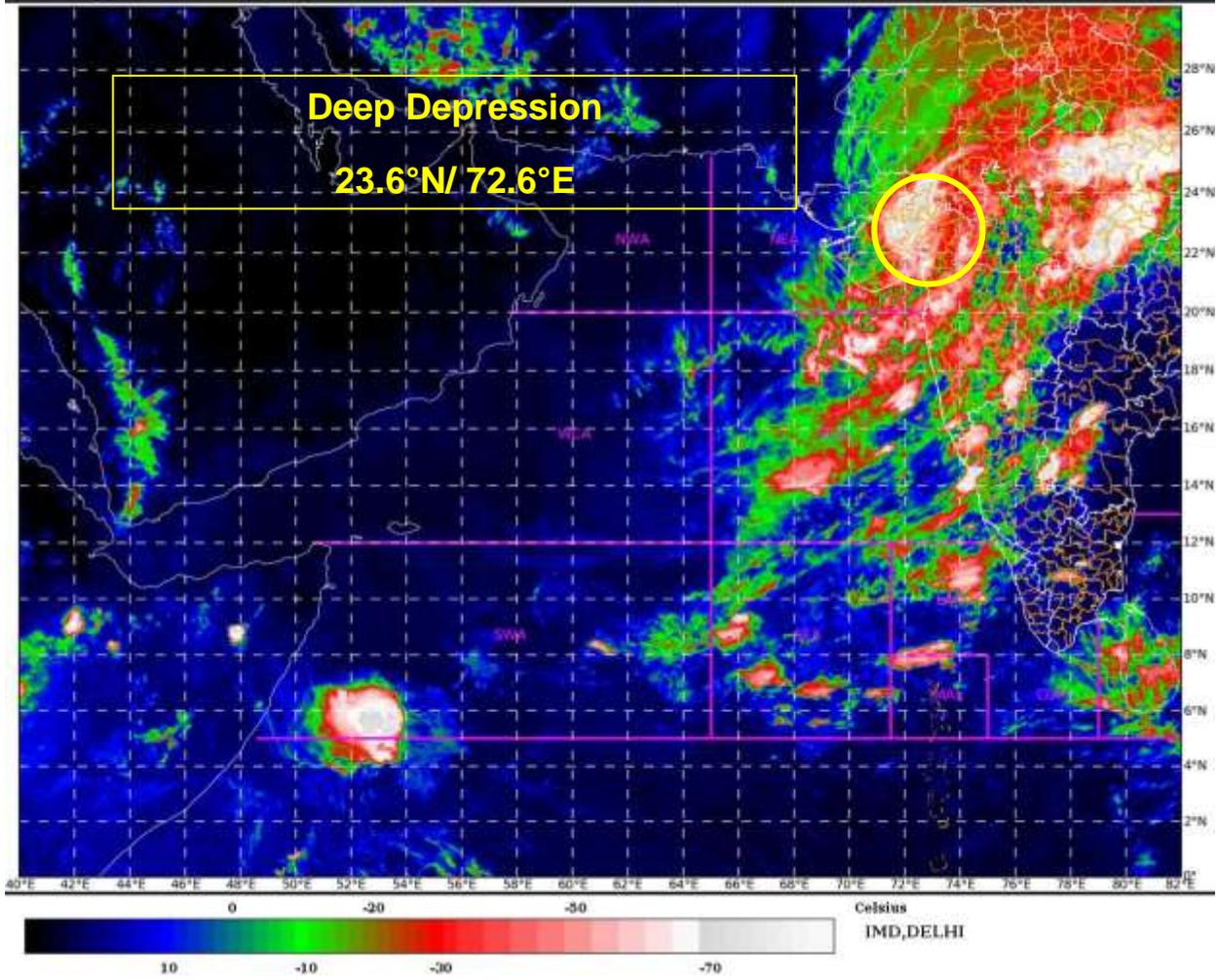
(ii) Wind warning

- Gale winds speed reaching 55-65 kmph gusting to 75 kmph likely to prevail over Ahmedabad Surendranagar, Rajkot, Anand, squally winds speed reaching 45-55 kmph gusting to 65 kmph over Bhavnagar, Botad & Kheda during next 06 hours and gradually decrease thereafter.
Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail along and off Dadra, Nagar Haveli, Daman, Valsad, Navsari, Surat, districts during next 06 hours and gradually decrease thereafter.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over south Rajasthan from the evening of 18th till 19th early morning.

The next bulletin will be issued at 0230 hrs IST of 19th May, 2021.

(Ananda Kumar Das)
Scientist-E, RSMC, New Delhi

Copy to: MC Jaipur /ACWC Mumbai /CWC Ahmedabad.





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION REMNANTS OF "TAUKTAE" OVER GUJARAT REGION 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 REGION 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 (≥ 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

Day-1 Cyclone Tauktae Warning for Gujarat State Dated 18-05-2021

मौसम विज्ञान केंद्र, अहमदाबाद
भारत मौसम विभाग



LEGENDS :-

- NO WARNING (NO ACTION)
- WATCH (BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)

- Heavy Rain (64.5mm to 115.5mm)
- Heavy to Very Heavy Rain (115.5mm to 204.4mm)
- Extremely Heavy Falls (204.5mm or more)

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