



India Meteorological Department  
(Ministry of Earth Sciences)

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**Sub: Cyclonic Storm "Tauktae" (pronounced as Tau'Te) over eastcentral and adjoining southeast Arabian Sea & Lakshadweep area: Cyclone watch for south Gujarat & Diu coasts**

The **Cyclonic Storm "Tauktae" (pronounced as Tau'Te)** over Lakshadweep area and adjoining southeast & east central Arabian Sea moved nearly northwards with a speed of about 07 kmph during past 06 hours and lay centred over eastcentral and adjoining southeast Arabian Sea & Lakshadweep area at 0230 hours IST of 15<sup>th</sup> May, 2021 near latitude 12.2°N and longitude 72.6°E, about 120 km north-northwest of Amini Divi, 300 km west-northwest of Kannur (Kerala), 990 km south-southeast of Veraval (Gujarat).

It is very likely to intensify further into a Severe Cyclonic Storm during next 24 hours. It is very likely to move north-northwestwards and reach near Gujarat coast by 18<sup>th</sup> May morning.

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
15.05.21/0230	12.2/72.6	65-75 gusting to 85	Cyclonic Storm
15.05.21/0530	12.9/72.5	70-80 gusting to 90	Cyclonic Storm
15.05.21/1130	13.6/72.5	80-90 gusting to 100	Cyclonic Storm
15.05.21/1730	14.4/72.4	95-105 gusting to 115	Severe Cyclonic Storm
15.05.21/2330	15.1/72.2	110-120 gusting to 130	Severe Cyclonic Storm
16.05.21/1130	16.5/71.6	130-140 gusting to 155	Very Severe Cyclonic Storm
16.05.21/2330	17.9/70.9	140-150 gusting to 165	Very Severe Cyclonic Storm
17.05.21/1130	19.1/70.1	145-155 gusting to 165	Very Severe Cyclonic Storm
17.05.21/2330	20.6/69.3	150-160 gusting to 175	Very Severe Cyclonic Storm
18.05.21/1130	22.2/69.1	135-145 gusting to 160	Very Severe Cyclonic Storm
18.05.21/2330	23.8/69.4	85-95 gusting to 105	Severe Cyclonic Storm

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**

**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

## Warnings:

### (i) Rainfall:

- **Lakshadweep Islands:** Light to moderate rainfall at most places with heavy to very heavy falls at isolated places on 15<sup>th</sup> May and heavy falls at isolated places on 16<sup>th</sup> May.
- **Kerala:** Light to moderate rainfall at most places with heavy to very heavy falls at a few places on 15<sup>th</sup> and heavy to very heavy falls at isolated places on 16<sup>th</sup> & 17<sup>th</sup> May.
- **Tamil Nadu (Ghat districts):** Light to moderate rainfall at many places with heavy to very heavy falls at isolated places on 15<sup>th</sup> May.
- **Karnataka (coastal & adjoining Ghat districts):** Light to moderate rainfall at most places with heavy to very heavy falls at a few places with extremely heavy falls at isolated places on 15<sup>th</sup> and heavy falls at isolated places on 16<sup>th</sup>.
- **Konkan & Goa:** Light to moderate rainfall at most places with heavy to very heavy falls at a few places over south Konkan & Goa and heavy to very heavy falls at isolated places over north Konkan on 15<sup>th</sup> and heavy to very heavy falls at isolated places on 16<sup>th</sup>.
- **Gujarat:** Light to moderate rainfall at many places with heavy falls at isolated places very likely over coastal districts of Saurashtra on 16<sup>th</sup>, at most places with heavy to very heavy falls at a few places on 17<sup>th</sup> and with heavy to very heavy falls at a few places extremely heavy falls ( $\geq 20$  cm) at isolated places over Saurashtra & Kutch on 18<sup>th</sup>.
- **Southwest Rajasthan:** Light to moderate rainfall at many places with heavy falls at isolated places very likely on 17<sup>th</sup> & 18<sup>th</sup> May.

### (ii) Wind warning

- Squally weather with wind speed reaching 65-75 kmph gusting to 85 kmph is very likely over southeast Arabian Sea and adjoining Lakshadweep – Maldives area and equatorial Indian Ocean during next 06 hours.
- It is likely to increase gradually becoming Gale wind speed reaching 70 – 80 kmph gusting to 90 kmph over east-central Arabian Sea and adjoining southeast Arabian Sea and Lakshadweep area from 15<sup>th</sup> May morning.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph along & off Kerala - Karnataka coasts on 15<sup>th</sup> May.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along & off south Maharashtra & Goa coasts on 15<sup>th</sup> and Gale winds speed reaching 60-70 kmph gusting to 80 kmph along & off south Maharashtra –Goa coasts on 16<sup>th</sup> May.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely over northeast Arabian Sea and along & off south Gujarat & Daman and Diu coasts on 17<sup>th</sup> morning and gradually increase becoming Gale winds speed reaching 90-100 kmph gusting to 115 kmph over northeast Arabian Sea along & off Gujarat coast from the early hours of 18<sup>th</sup> May and increase gradually thereafter till 18<sup>th</sup> morning.

### (iii) Sea condition

- Sea conditions will be very rough over southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean during next 06 hours.

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**

**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

- Sea condition over eastcentral Arabian Sea will be high to very high on 15<sup>th</sup> & 16<sup>th</sup> May and over northeast Arabian Sea from 17<sup>th</sup> May.
- Sea conditions will be rough to very rough over Comorin area and along & off Kerala coast on 15<sup>th</sup>, very rough to High over east central Arabian Sea along & off Karnataka coast on 15<sup>th</sup> May and Maharashtra – Goa coasts on 15<sup>th</sup> & 16<sup>th</sup> May. It is very likely to be very rough to High over northeast Arabian Sea along & off south Gujarat coast from 17<sup>th</sup> May morning and very high to Phenomenal from 18<sup>th</sup> morning.

**(iv) Tidal wave Warning:**

- Tidal wave of about 1 meter height above the astronomical tide is very likely to inundate low lying areas of Lakshadweep Islands on 15<sup>th</sup> & 16<sup>th</sup> May.

**(v) Fishermen Warning**

- The fishermen are advised not to venture into southeast Arabian Sea, Lakshadweep – Maldives areas, east central Arabian Sea along & off Karnataka coast, eastcentral Arabian Sea and along & off Maharashtra – Goa coasts and into eastcentral & adjoining northeast Arabian Sea along & off Gujarat coast till 18<sup>th</sup> May.
- Those who are out at Sea over north & adjoining eastcentral Arabian Sea are advised to return to the coast.

**(vi) Impact expected over southeast, eastcentral & northeast Arabian Sea, Lakshadweep – Maldives area & Lakshadweep Islands and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts and also the coastal & adjoining districts of all these States:**

- Very rough to high seas, squally weather and gale winds around the system centre will affect shipping vessels and fishing operations.
- Inundation of low lying areas of the Islands of Lakshadweep till 16<sup>th</sup> May.
- Very heavy to extremely heavy rainfall causing flash floods & landslides over the coastal districts of Kerala, Karnataka & Goa till 16<sup>th</sup> May and Saurashtra, Kutch during 18<sup>th</sup> – 19<sup>th</sup> May.
- Thunder squalls & Lightning could cause adverse impact on Human & Livestock as well as damage to Loose & unsecured structures along the coast line.

**(vii) Advisory:**

- Fishermen are advised not to venture into Arabian Sea till 18<sup>th</sup> May
- Ships are advised to avoid the area
- Ports along the west coast of India may take necessary precautions.
- Naval base operations may maintain necessary pre-cautions
- Tourism activities may be restricted over the area specified for squally weather & rough Sea warning.

*The next bulletin will be issued at 0830 hrs IST of 15<sup>th</sup> May, 2021.*

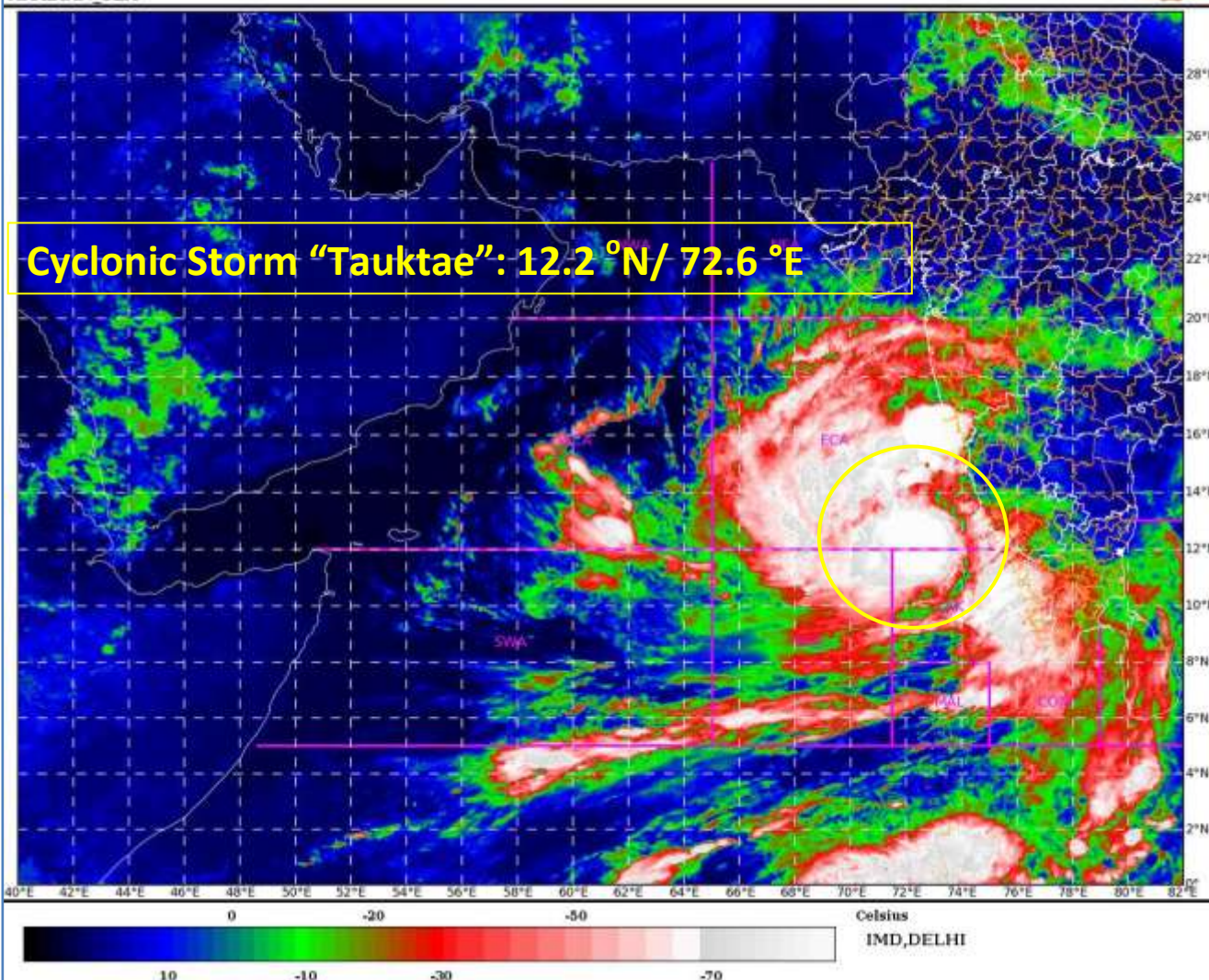
**(Shobhit Katiyar)  
Scientist-C, RSMC, New Delhi**

**Copy to: ACWC Chennai/ ACWC Mumbai/ MC Goa/ MC Bengaluru/ CWC Ahmedabad/ Thiruvananthapuram.**

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**  
**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

SAT : INSAT-3D IMG  
IMG\_TIR1\_TEMP 10.8 um  
ARABIAN\_SEA

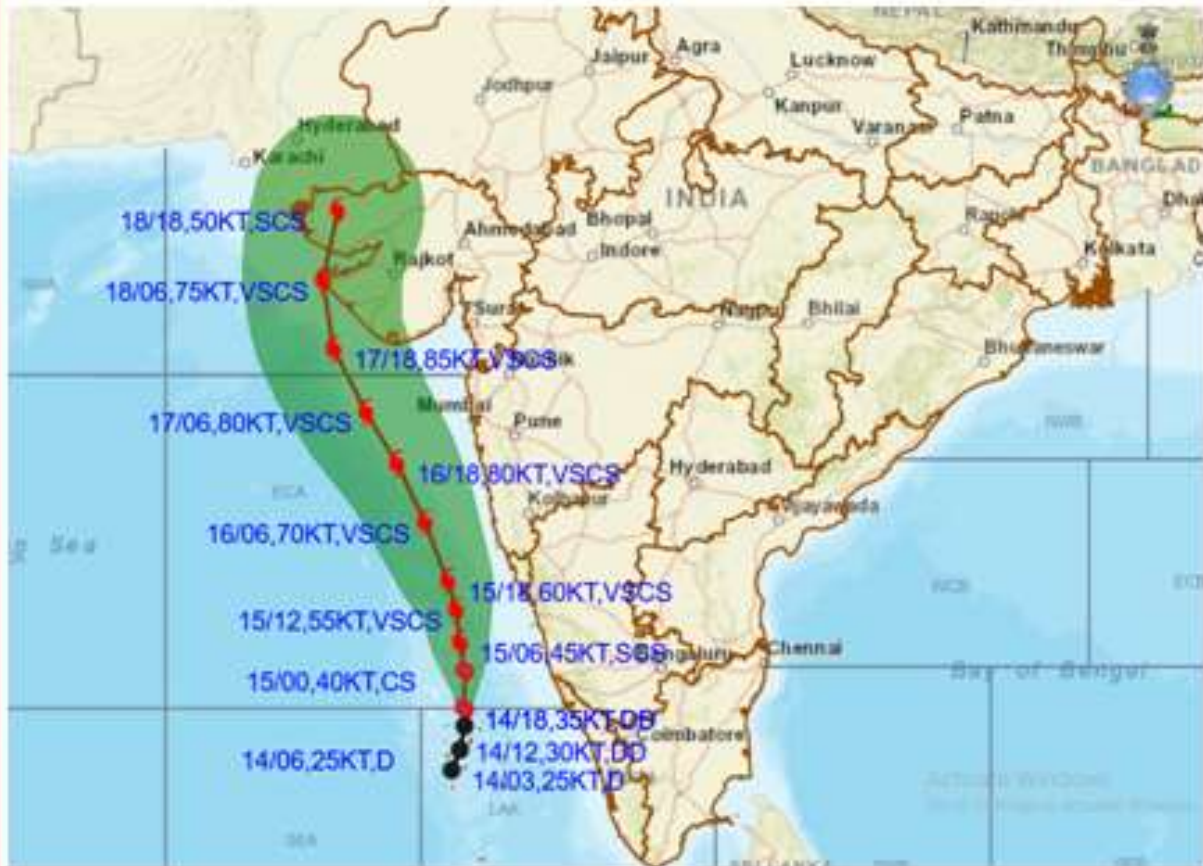
14-05-2021/(2300 to 2326) GMT  
15-05-2021/(0430 to 0456) IST



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%  
Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.



**OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF CYCLONIC STORM "TAUKTAE" OVER LAKSHADWEEP AND ADJOINING SOUTHEAST & EASTCENTRAL ARABIAN SEA BASED ON 1800 UTC OF 14<sup>TH</sup> 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 (≥20 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%  
 Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "TAUKTAE" OVER LAKSHADWEEP AND ADJOINING SOUTHEAST & EASTCENTRAL ARABIAN SEA BASED ON 1800 UTC OF 14<sup>TH</sup> 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 (20.33 KT)

CS: CYCLONIC STORM (34.47 KT)

SCS: SEVERE CYCLONIC STORM (44.63 KT)

VSCS: VERY SEVERE CYCLONIC STORM (64.89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SaCS: 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:

20-33 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

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

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