



UT Administration of Dadra & Nagar Haveli and Daman & Diu

**Presentation on review of precautionary
measures and preparedness for the impending
cyclone in the Arabian Sea.**

Warning Message

Cyclonic Storm “Tauktae” (pronounced as Tau’Te) over eastcentral and adjoining southeast Arabian Sea: *Cyclone Alert for Gujarat & Diu coasts* (Yellow message)

The **Cyclonic Storm “Tauktae” (pronounced as Tau’Te)** over east-central and adjoining southeast Arabian Sea & Lakshadweep area moved nearly north-north-westwards with a speed of about 09 kmph during past 06 hours and lay centered at 05:30 hours IST of 15th May, 2021 over east central and adjoining southeast Arabian Sea near latitude 12.5°N and longitude 72.5°E, about 160 km north northwest of Amini Divi, 350 km south-southwest of Panjim-Goa, 960 km south-southeast of Veraval (Gujarat) and 1050 km south-southeast of Karachi (Pakistan).

It is very likely to intensify further into a Severe Cyclonic Storm during next 12 hours and into a Very Severe Cyclonic Storm during the subsequent 12 hours. It is very likely to move north-northwestwards and cross Gujarat coast between Porbandar & Naliya around 18th May Afternoon / evening.

Warning Message

Rainfall:

- **Gujarat:** Light to moderate rainfall at many places very likely to commence over coastal districts of Saurashtra from 16th May afternoon, at many places with heavy to very heavy falls at isolated places on 17th and with heavy to very heavy falls at a few places and extremely heavy falls (≥ 20 cm) at isolated places over Saurashtra & Kutch on 18th.
- **Southwest Rajasthan:** Light to moderate rainfall at many places with heavy falls at isolated places very likely on 18th & 19th May.

Wind warning

- 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 17th morning and gradually increase becoming Gale winds speed reaching 150-160 kmph gusting to 175 kmph over northeast Arabian Sea from 18th morning and along & off Saurashtra & Kutch coasts (Devbhumi Dwarka & Porbandar) and 120 -150 kmph gusting to 165 kmph over Kutch, Porbandar, Junagarh, Jamnagar districts of Gujarat from 18th May afternoon / evening for subsequent 06 hours.

Warning Message

Sea condition

- Sea conditions will be very rough over southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean during next 06 hours.
- Sea condition over east-central Arabian Sea will be high to very high on 15th & very high to Phenomenal on 16th May and over northeast Arabian Sea on 17th & 18th May.
- Sea conditions will be rough to very rough over Comorin area and along & off Kerala coast on 15th, very rough to High over east central Arabian Sea along & off Karnataka coast on 15th May and Maharashtra – Goa coasts on 15th & 16th May. It is very likely to be very rough to High over northeast Arabian Sea along & off south Gujarat coast from 17th May morning and very high to Phenomenal from 18th morning.

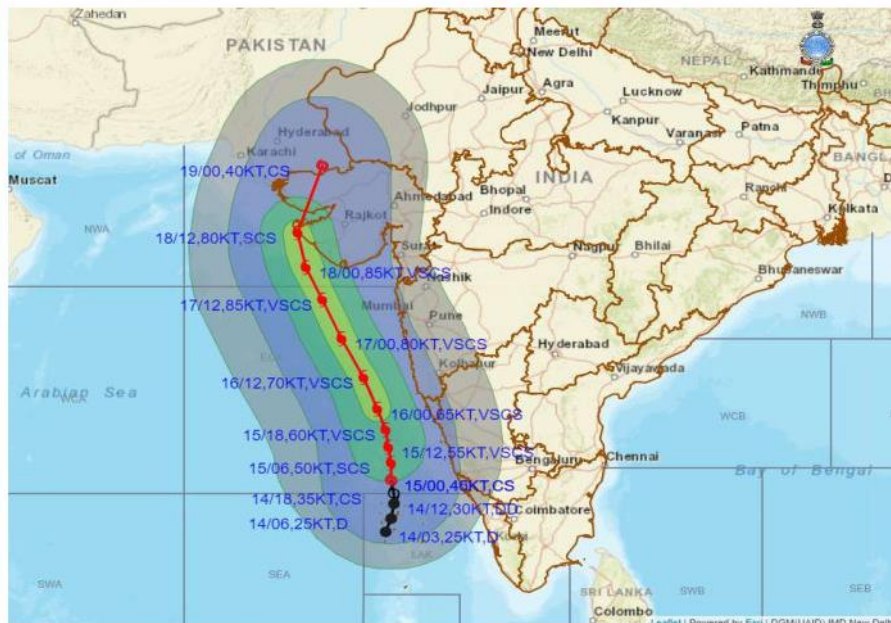
Fishermen Warning

- Total suspension of fishing operations over east-central and adjoining southeast Arabian Sea and along & off Kerala – Karnataka – Goa – Maharashtra coasts.
- Total suspension of fishing operations over northeast Arabian Sea and along & off Gujarat coast from 17th May.
- The fishermen are advised not to venture into southeast Arabian Sea, Lakshadweep – Maldives areas, east central Arabian Sea along & off Karnataka coast, east-central Arabian Sea and along & off Maharashtra – Goa coasts and into east-central & adjoining northeast Arabian Sea along & off Gujarat coast till 18th May.
- Those who are out at Sea over north Arabian Sea are advised to return to the coast.

Warning Message



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "TAUKTAE" OVER EASTCENTRAL AND ADJOINING SOUTHEAST ARABIAN SEA BASED ON 0000 UTC OF 15TH 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)

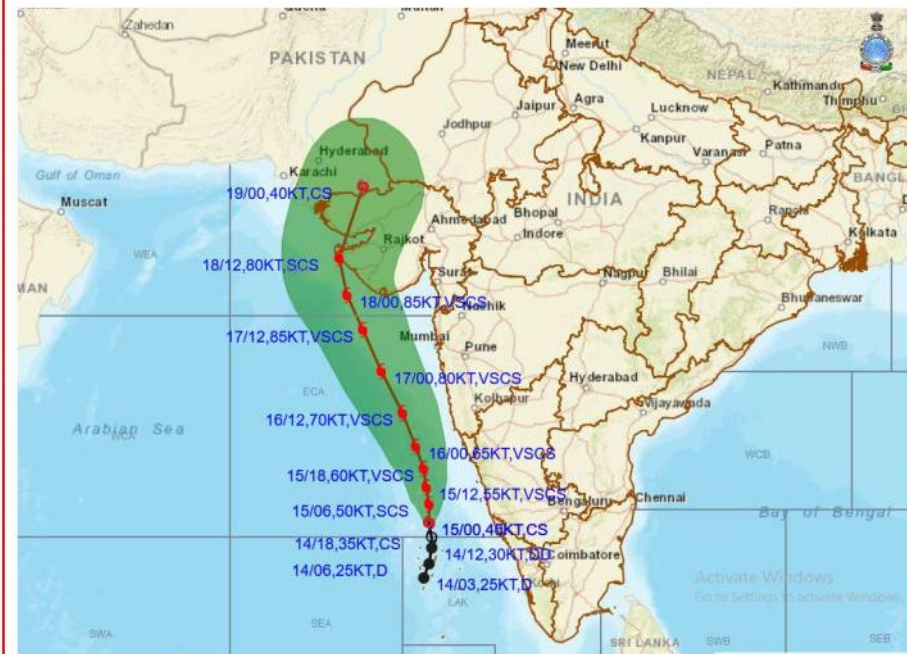
● LESS THAN 34 KT
○ 34-47 KT
● ≥ 48 KT
— OBSERVED TRACK
— FORECAST TRACK
CONE OF UNCERTAINTY
AREA OF MAXIMUM SUSTAINED WIND SPEED:
■ 28-33 KT (52-61 KMPH)
■ 34-49 KT (62-91 KMPH)
■ 50-63 KT (92-117 KMPH)
■ ≥ 64 KT (≥ 118 KMPH)

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



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM "TAUKTAE" OVER EASTCENTRAL AND ADJOINING SOUTHEAST ARABIAN SEA BASED ON 0000 UTC OF 15TH MAY, 2021



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● 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.

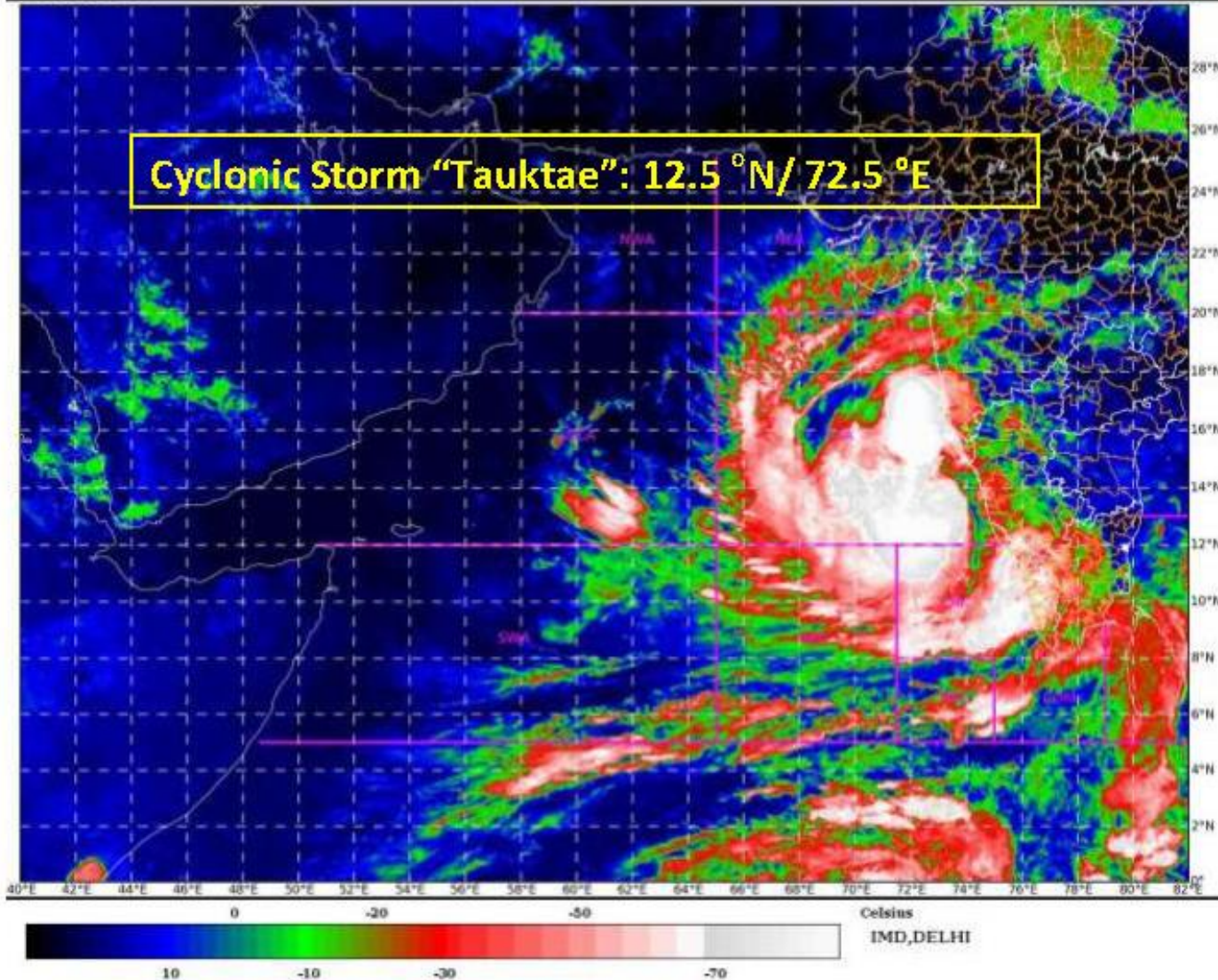
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Warning Message

SAT : INSAT-3D IMG
IMG_TIR1_TEMP 10.8 um
ARABIAN_SEA

15-05-2021(0300 to 0326) GMT
15-05-2021(0830 to 0856) IST



Warning

- Rainfall (Heavy to Very heavy)
- Wind warning (70 – 80 Kmph)
- Sea Condition (Rough to Very rough)
- Tidal Wave warning (1 mt. high)
- Fisherman warning

Damage Expected:

- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Damage to power and communication lines.
- Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of large avenue trees. Damage to banana and papaya trees. Large dead limbs blown from trees.
- Major damage to coastal crops.
- Damage to embankments/ salt pans.

Fishermen Warning & Action Suggested

- Total suspension of fishing operations.
- Mobilise evacuation from low lying areas.
- Judicious regulation of rail and road traffic.
- People in affected areas to remain indoors.
- Movement in motor boats and small ships unsafe.

Status of Fishermen of Daman & Diu Districts

- **Daman** - 07 boats & 47 fishermen have returned back from sea; 18 boats & 100 fishermen are still at sea and are on way back to shore.
- **Diu** - All boats are at port and have stopped fishing since 05.05.2021.
- Daily messages are disseminated to the fishermen on wireless and Coast Guard have also been disseminating messages during recee rounds .

Department-wise actions to be taken

- Permanent comprehensive database to be created enumerating the total numbers of persons residing in the low-lying areas and coastal areas. Proper database of all those evacuated from low-lying areas to be maintained including of those who are shifted to relief centres and those who move to their relatives / other places

[Action: Collectors]

- All such relief centres need to be disinfected and sanitised in view of COVID situation.

[Action: Health Department]

- An advertisement shall be published in print media which shall contain detail about the warning of the impending cyclone along with Do's and Don'ts. The advertisement shall also include contact numbers of team of officers in-charge in the control room and all other related functionaries (Collectorate, Disaster Management, PWD, Police, Forest, Fire, Panchayats, Municipalities.

[Action: Collectors]

- Control Rooms shall be functional 24 X 7 in the Collectorate in each District viz. Dadra & Nagar Haveli, Daman and Diu to deal with cyclone / flood / heavy rainfall situation.

[Action: Collectors]

- Nodal officer to be deployed round the clock and stationed at the Control Room Daman who shall monitor all the activity and disseminate the information / complaint so received to the Concerned Authoritative / Officer

[Action: Collector, Daman]

- Necessary steps to be taken for public announcements and warnings to people for staying indoors during the cyclone. Bulk warning SMSs to be sent.

[Action: Secretary, IT and Collectors]

- Emergency Response Teams consisting of Personnel from Forest, Fire, Police, Collectorate and PWD to be kept in ready position 24x7 to attend to any contingency as well as for rescue and search operations.

[Action: Collectors]

- The Collectors to ensure the evacuation of people from low lying areas if so required for relief and rehabilitation during emergency and crises situation and evacuation teams to be formulated accordingly.

[Action: Collectors]

- The fishermen should not be allowed to venture out into the sea for fishing henceforth till 17th May to 19th May, 2021. Fishermen should be informed accordingly.

[Action: Secretary, Fisheries]

- 108 Ambulances should be kept ready 24x7. Hospitals to be kept on alert and fully equipped for any emergency situation. The facilities identified for stationing NDRF team and those identified as relief and rehabilitation centres to be disinfected and sanitized immediately.

[Action: Secretary, Health]

- Adequate Diesel / Batteries to be ensure in DG sets. Alternate arrangements of DG sets in all Hospitals especially at VBCH and CHCs to be made.

[Action: Secretary, Power / DIGP / Director (F&ES)]

- Deployment of NDRF teams to be decided.

[Action: Collectors]

- All water sports activities to remain closed in view of the cyclone. All Shack holders are directed to ensure that their shacks are tied properly.

[Action: Secretary, Tourism]

- All broken and low hanging branches of trees to be pruned and fallen trees to be removed and chain cutters to be kept ready.

[Action: Secretary, PWD and CCF]

All government facilities roof to be checked for dust / leaves, etc so that drainage is not blocked.

[Action: Secretary, PWD CEOs, DP / CO, MCs]

- Water Motor Pumps and other necessary equipment to be kept ready for dewatering of water logged areas and rescue operations if so required.

[Action: Director, Fire & Emergency Services]

- JCBs and heavy duty cranes and other necessary equipment to be kept ready for rescue operations if so required. Also a JCB and a team of PWD to be deployed around the clock at Chhapli Shrei in Nani Daman for any incidence of water logging and other emergency services.

[Action: Secretary, PWD]

- All loose solar power panels to be checked and fixed. All loose wires and power distribution lines to be checked. Efforts should be made to ensure uninterrupted power supply in the Secretariat, Collectorates and Hospitals during the upcoming cyclone.

[Action: Secretary, Power]

- Necessary warnings to be issued to industries and the workers working therein to take precautionary measures during the upcoming cyclone.

[Action: Secretary, Industries]

- A weekly off can be considered on 18th May, 2021 (Tuesday) in place of Sunday to all Industries situated in Dadra & Nagar Haveli and Daman.

[Action: Collectors]

- Toilets and Bathrooms to be made operational at all relief shelters.

[Action: Secretary, PWD]

- Necessary storm signaling and information to be provided to fishermen.

[Action: Secretary, Port & Lighthouse]

- Coast Guard to remain ready 24x7 to face any crisis situation and be available at one notice with their divers and all equipment along with air lift facility with Helicopters and remain extra vigilant to cope up with any emergency situation.

[Action: DIG, Coast Guard, Daman]

- Buses to be kept ready for public transport between Nani Daman and Moti Daman if so required. Trucks and tempos to be kept ready for relief work and for helping district administration in all 3 districts for relief work.

[Action: Secretary, Transport]

- Helicopter and Air Alliance services to remain suspended during the cyclone period.

[Action: Secretary, Civil Aviation]

- All loose hanging hoardings, banners and other such fixtures to be removed.

[Action: CEO, District Panchayats and CO, Municipal Councils]

- A meeting to be called inviting all Public Representatives in the Municipal Councils and District Panchayats for sensitising about the storm and precautionary measures to be taken.

[Action: CEO, District Panchayats and CO, Municipal Councils]

- Leave of all Police, Fire and Disaster Management personnel to be cancelled during the storm period.

[Action: DIGP / Director (F&ES) and Collectors]

- All efforts to be made to ensure that there is no casualties due to the storm.

[Action: All Secretaries / Collectors / SPs]

- Press briefing on impending Cyclone and preparedness to be conducted.

[Action: Collectors / SPs]

Thank You