



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

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Sub: Severe Cyclonic Storm 'Shaheen' over Gulf of Oman & adjoining northwest Arabian Sea

The **Severe Cyclonic Storm 'Shaheen'** over Gulf of Oman & adjoining northwest Arabian Sea moved west-southwestwards with a speed of about 15 kmph, during past 6 hours, lay centred at 1130 hrs IST of today, the 3rd October, 2021 over Gulf of Oman & adjoining northwest Arabian Sea, near latitude 24.1°N and longitude 58.6°E, about 1090 km west-northwest of Devbhoomi Dwarka (Gujarat), 240 km west-southwest of Chabahar Port (Iran) and 60 km north-northeast of Muscat (Oman).

The system is very likely to continue to move west-southwestwards towards Oman coast and weaken gradually. It is very likely to cross Oman coast between Long.56°E & 58°E, around 57°E (about 130 km west-northwest of Muscat) by early hours of 4th October 2021, as a Severe Cyclonic Storm with a maximum sustained wind speed of 90 – 100 kmph gusting to 110 kmph.

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
03.10.21/1130	24.1/58.6	115-125 gusting to 135	Severe Cyclonic Storm
03.10.21/1730	24.0/57.9	105-115 gusting to 125	Severe Cyclonic Storm
03.10.21/2330	23.9/57.3	95-105 gusting to 115	Severe Cyclonic Storm
04.10.21/0530	23.8/56.5	60-70 gusting to 80	Cyclonic Storm
04.10.21/1130	23.7/55.9	45-55 gusting to 65	Depression

Warnings:

(i) Wind warning

- Gale wind speed reaching 115-125 kmph gusting to 135 kmph likely to prevail over Gulf of Oman and adjoining northwest Arabian Sea during next 06 hours. It would gradually decrease becoming 95 - 105 Kmph gusting to 115 Kmph over Gulf of Oman from the night of today, the 03rd Oct., reduce further becoming 60-70 kmph gusting to 80 kmph over north coastal Oman and adjoining Gulf of Oman from the early morning of 04th Oct. and reduce substantially thereafter.

(ii) Sea condition

- Sea condition will be high to very high over Gulf of Oman and adjoining northwest Arabian Sea till mid-night of today, the 03rd Oct. It would be high to very high over Gulf of Oman & adjoining north coastal Oman from early hours of 4th October during subsequent 06 hours.

(iii) Fishermen Warning

- Fishermen are advised not to venture into northwest Arabian Sea, Gulf of Oman, and along & off north Oman coast till 4th October morning.

(iv) EXPECTED IMPACT & ACTION SUGGESTED

- As the system is moving away from the Indian coast, no further impact is likely over India.
- However, Fishermen as well as Mariners are advised to avoid the Sea areas comprising Gulf of Oman, adjoining northwest Arabian Sea and along & off north Oman coast till 4th October morning.

The next bulletin will be issued at 1730 hrs IST of 3rd October, 2021.

(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvanathapuram



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM “SHAHEEN” OVER GULF OF OMAN AND ADJOINING NORTHWEST ARABIAN SEA BASED ON 0600 UTC OF 3RD OCTOBER, 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

AREA OF MAXIMUM SUSTAINED WIND SPEED:

■ 28-33 KT (52-61 KMPH)

■ 34-49 KT (62-91 KMPH)

■ 50-63 KT (92-117 KMPH)

■ \geq 64 KT \geq 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
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations



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