



**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 12 kmph, during past 6 hours, lay centred at 0830 hrs IST of today, the 3rd October, 2021 over Gulf of Oman & adjoining northwest Arabian Sea, near latitude 24.2°N and longitude 59.0°E, about 1050 km west-northwest of Devbhoomi Dwarka (Gujarat), 200 km west-southwest of Chabahar Port (Iran) and 90 km 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, 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
03.10.21/0830	24.2/59.0	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/1130	24.1/58.7	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/1730	24.0/58.0	100-110 gusting to 120	Severe Cyclonic Storm
03.10.21/2330	23.9/57.4	90-100 gusting to 110	Severe Cyclonic Storm
04.10.21/0530	23.8/56.6	60-70 gusting to 80	Cyclonic Storm
04.10.21/1730	23.5/55.2	25-35 gusting to 45	Well Marked Low

Warnings:

(i) Wind warning

- Gale wind speed reaching 110-120 kmph gusting to 130 kmph likely to prevail over Gulf of Oman and adjoining northwest Arabian Sea during next 12 hours. It would gradually decrease becoming 100 - 110 Kmph gusting to 120 Kmph over Gulf of Oman from the night of today, the 03rd Oct., reduce further becoming 80-90 kmph gusting to 100 kmph over Gulf of Oman from the early hours 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 evening of today, the 03rd Oct. It would improve gradually becoming high over Gulf of Oman from the night of 3rd October during subsequent 12 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 northwest Arabian Sea, Gulf of Oman and along & off north Oman coast till 4th October morning.

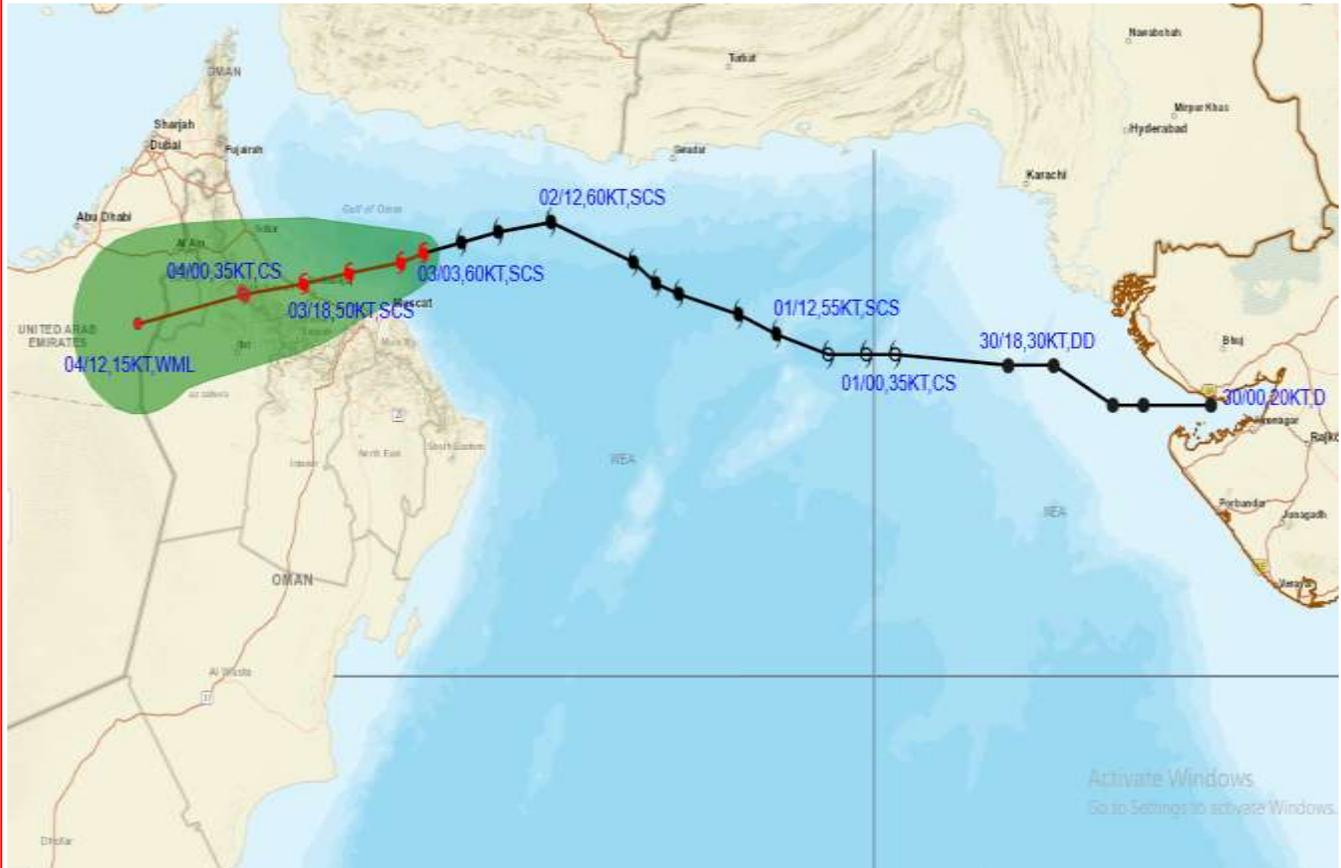
The next bulletin will be issued at 1430 hrs IST of 3rd October, 2021.

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

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



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM "SHAHEEN" OVER GULF OF OMAN AND ADJOINING NORTHWEST ARABIAN SEA BASED ON 0300 UTC OF 3RD OCTOBER, 2021

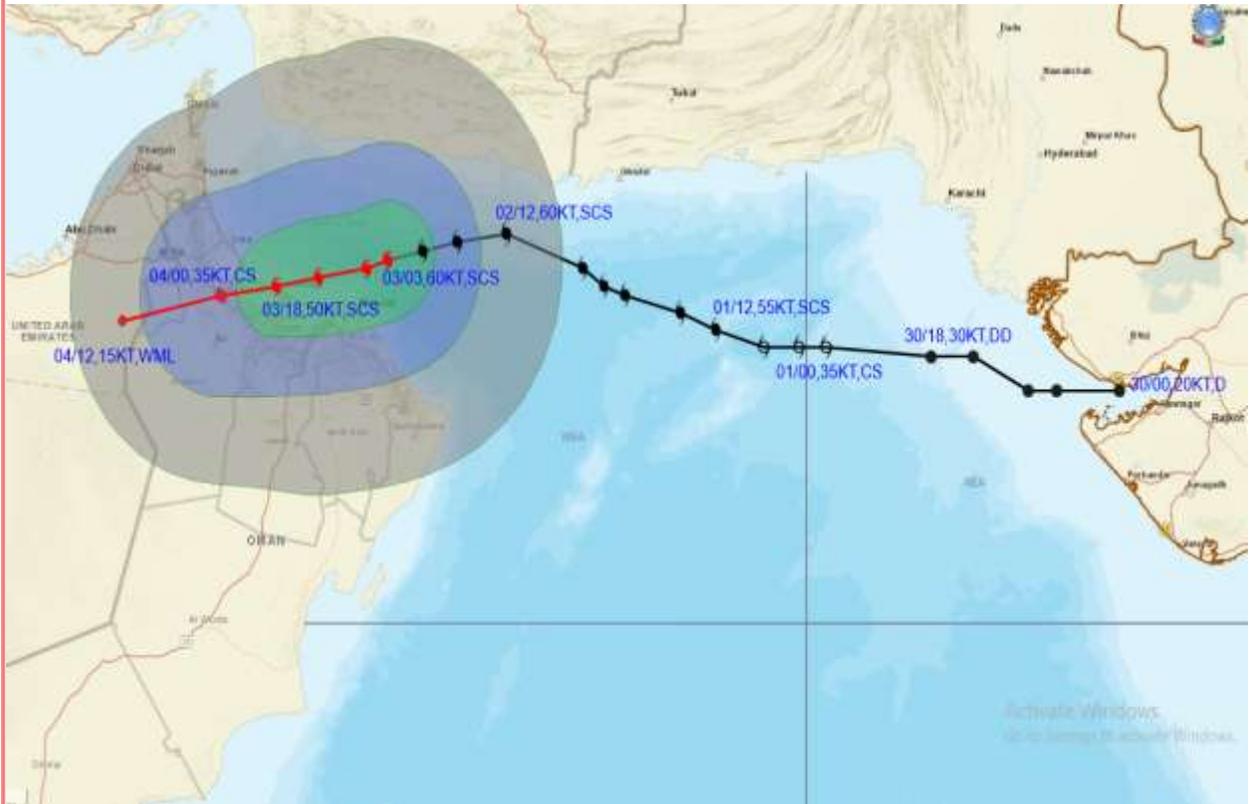


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM “SHAHEEN” OVER GULF OF OMAN AND ADJOINING NORTHWEST ARABIAN SEA BASED ON 0300 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 (≥ 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

