



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

BULLETIN NUMBER: 31 (AS/02/2021)

TIME OF ISSUE: 1110 HOURS IST

DATED: 04.10.2021

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Sub: Cyclonic Storm 'Shaheen' weakened into a Deep Depression over north Oman and adjoining United Arab Emirates

The **Cyclonic Storm 'Shaheen'** over north Oman and adjoining United Arab Emirates (UAE) continued to move west-southwestwards with a speed of about 15 kmph during past 6 hours, weakened into a **Deep Depression** and lay centred at 0830 hrs IST of today, the 4th October, 2021 over north Oman and adjoining United Arab Emirates (UAE), near latitude 23.5°N and longitude 56.4°E, about 200 km nearly to the west of Muscat (Oman). It is very likely to move west-southwestwards and weaken into a Depression during next 12 hours.

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
04.10.21/0830	23.5/56.4	55-65 gusting to 75	Deep Depression
04.10.21/1130	23.4/56.1	50-60 gusting to 70	Deep Depression
04.10.21/1730	23.2/55.5	30-40 gusting to 50	Depression

Warnings:

(i) Wind warning

- Gale wind speed reaching 55-65 kmph gusting to 75 kmph over north Oman and adjoining United Arab Emirates during next 06 hours and gradually reduce becoming 30-40 kmph gusting to 50 kmph from today evening during the subsequent 06 hours.

(ii) Sea condition

- Sea condition will be rough to very rough along & off north Oman coast during next 06 hours. It would improve gradually thereafter.

(iii) Fishermen Warning

- Fishermen are advised not to venture into Gulf of Oman and along & off north Oman coast during next 06 hours.

The next bulletin will be issued at 1430 hrs IST of 4th 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 DEEP DEPRESSION (REMNANT OF CYCLONIC STORM "SHAHEEN") OVER NORTH OMAN AND ADJOINING UNITED ARAB OF EMIRATES BASED ON 0300 UTC OF 4th 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 DEEP DEPRESSION (REMNANT OF CYCLONIC STORM “SHAHEEN”) OVER NORTH OMAN AND ADJOINING UNITED ARAB OF EMIRATES BASED ON 0300 UTC OF 4th 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

SAT : INSAT-3D IMG
IMG_TIR1_TEMP 10.8 um
ARABIAN SEA

04-10-2021/(0430 to 0456) GMT
04-10-2021/(1000 to 1026) IST

