

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NUMBER: 31 (AS/02/2021)

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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. ⁰ N/ long. ⁰ 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

DATED: 04.10.2021



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

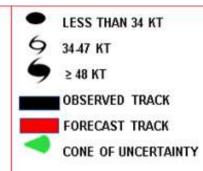
L: LOW PRESSURE AREA

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 (2 120 KT)



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)

9	34-41 NI
6	≥ 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)

LESS THAN 34 KT

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



