



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

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

The **Severe Cyclonic Storm 'Shaheen'** over northwest Arabian Sea moved nearly westward with a speed of about 12 kmph, during past 6 hours, lay centred at 2330 hrs IST of yesterday, the 2nd October, 2021 over northwest Arabian Sea and adjoining Gulf of Oman, near latitude 24.4°N and longitude 60.0°E, about 950 km west-northwest of Devbhoomi Dwarka (Gujarat), 110 km nearly to the south-southwest of Chabahar Port (Iran) and 180 km east-northeast of Muscat (Oman).

The system is very likely to move nearly westwards skirting Makran coast during next 06 hours. Thereafter, it is likely to re-curve west-southwestwards, move towards Oman coast across Gulf of Oman and weaken gradually. It is very likely to cross Oman coast between Long.56°E & 58°E, around 57°E, during early hours of 4th October 2021, as a Cyclonic Storm with a maximum sustained wind speed of 80 – 90 kmph gusting to 100 kmph.

The system is moving away from the Indian coast.

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
02.10.21/2330	24.4/60.0	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/0530	24.3/59.5	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/1130	24.2/58.9	100-110 gusting to 120	Severe Cyclonic Storm
03.10.21/1730	24.1/58.3	95-105 gusting to 115	Severe Cyclonic Storm
03.10.21/2330	24.0/57.6	80-90 gusting to 100	Cyclonic Storm
04.10.21/1130	23.8/56.6	50-60 gusting to 70	Deep Depression
04.10.21/2330	23.3/55.4	30-40 gusting to 50	Depression

Warnings:

(i) Wind warning

- Gale wind speed reaching 110-120 kmph gusting to 130 kmph likely to prevail over northwest Arabian Sea adjoining Makran coast during next 12 hours. It would gradually decrease becoming 100 - 110 Kmph gusting to 120 Kmph over northwest Arabian Sea and adjoining Makran coast from early hours of 03rd Oct., reduce further becoming 70-80 kmph gusting to 90 kmph over northwest Arabian Sea and adjoining Gulf of Oman from the early hours of 04th Oct. and weaken thereafter.

(ii) Sea condition

- Sea condition will be high to very high over northwest Arabian Sea & along and off Makran Coast till evening of 03rd Oct. It would improve gradually becoming high over northwest Arabian Sea & adjoining 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, along & off Makran and Oman coasts 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, along & off Makran and Oman coasts till 4th October morning.

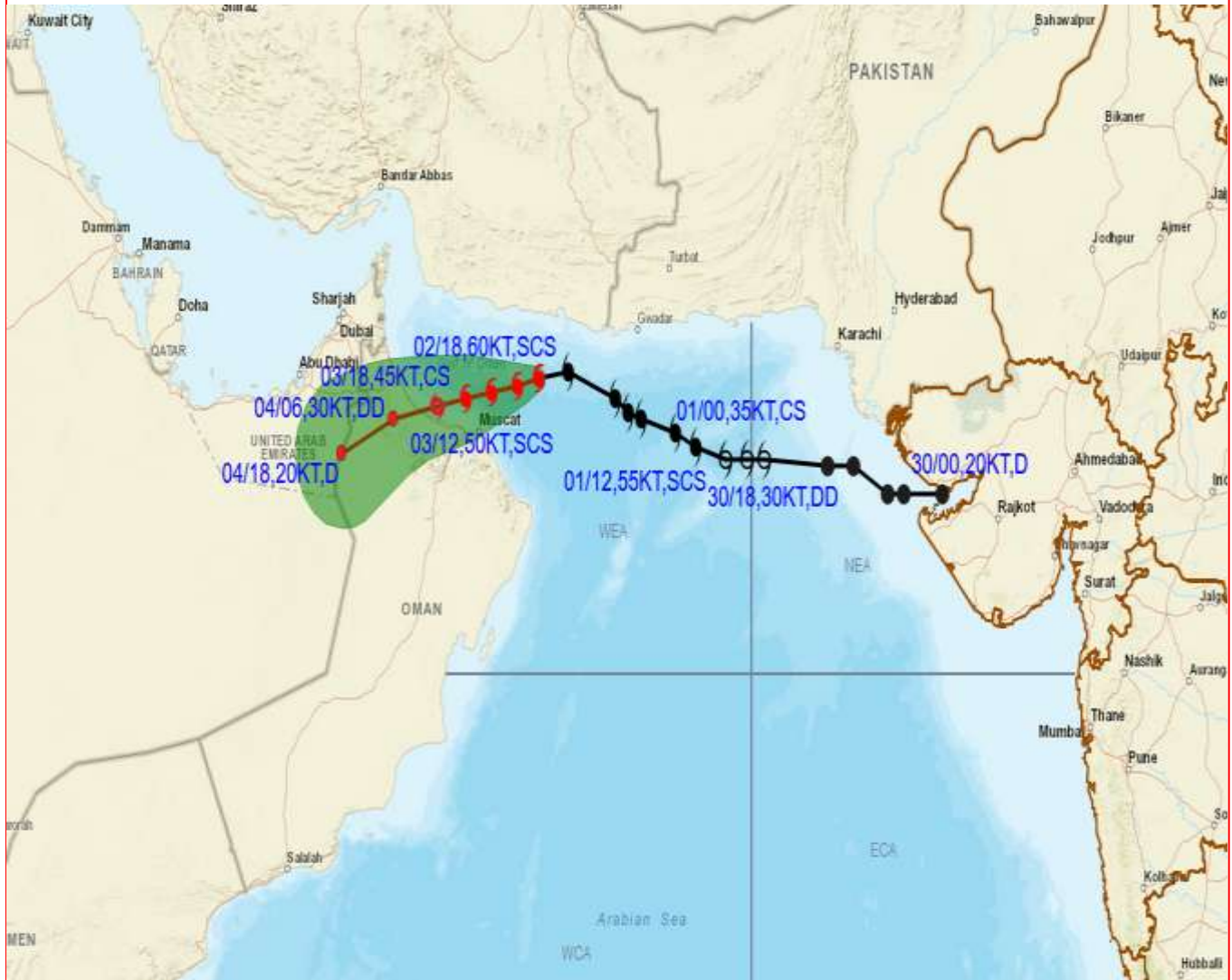
The next bulletin will be issued at 0530 hrs IST of 3rd October, 2021.

(Ananda Kumar Das)
Scientist-E, 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 NORTHWEST ARABIAN SEA AND ADJOINING GULF OF OMAN BASED ON 1800 UTC OF 2ND OCTOBER, 2021

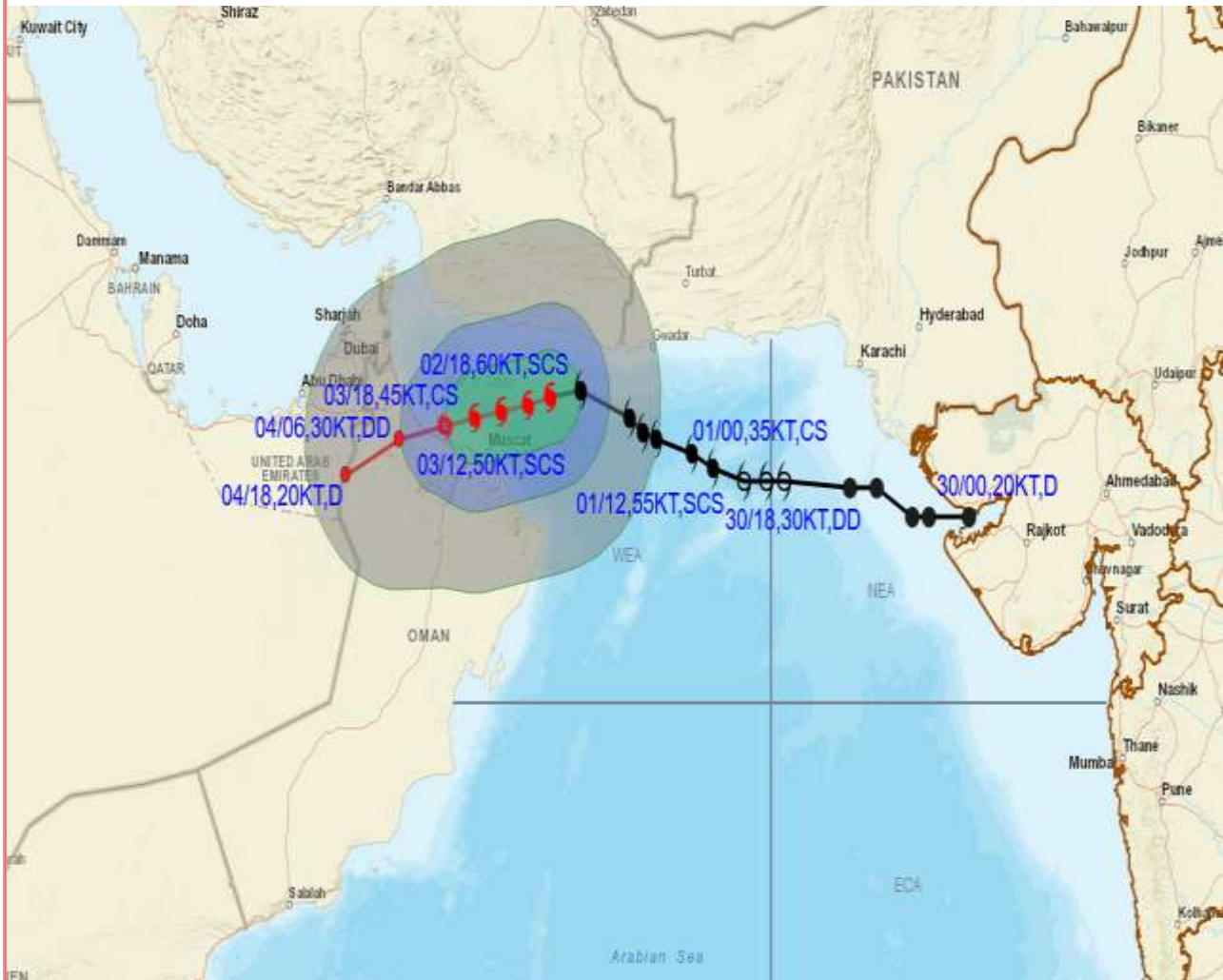


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 NORTHWEST ARABIAN SEA AND ADJOINING GULF OF OMAN BASED ON 1800 UTC OF 2ND 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 (48-63 KT)

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



60E 70E 80E 90E 100E
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