



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

BULLETIN NUMBER: 17 (AS/02/2021)

TIME OF ISSUE: 1700 HOURS IST

DATED: 02.10.2021

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Sub: Severe Cyclonic Storm 'Shaheen' over northwest Arabian Sea

The **Severe Cyclonic Storm 'Shaheen'** over northwest Arabian Sea moved west-northwestwards with a speed of about 15 kmph, during past 6 hours, lay centred at 1430 hrs IST of 2nd October, 2021 over northwest Arabian Sea, near latitude 24.3°N and longitude 61.3°E, about 830 km west-northwest of Devbhoomi Dwarka (Gujarat), 130 km south-southeast of Chabahar Port (Iran) and 300 km east-northeast of Muscat (Oman).

It is very likely to move west-northwestwards skirting Makran coast during next 12 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
02.10.21/1430	24.3/61.3	110-120 gusting to 130	Severe Cyclonic Storm
02.10.21/1730	24.4/60.9	110-120 gusting to 130	Severe Cyclonic Storm
02.10.21/2330	24.4/60.3	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/0530	24.4/59.6	100-110 gusting to 120	Severe Cyclonic Storm
03.10.21/1130	24.3/58.9	90-100 gusting to 110	Severe Cyclonic Storm
03.10.21/2330	24.1/57.7	80-90 gusting to 100	Cyclonic Storm
04.10.21/1130	23.7/56.4	50-60 gusting to 70	Deep Depression
04.10.21/2330	23.3/55.1	20-30 gusting to 40	Well Marked Low

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. till late evening, further reduce 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 further reduce thereafter.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over northeast Arabian Sea during next 06 hours. It would gradually reduce 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.

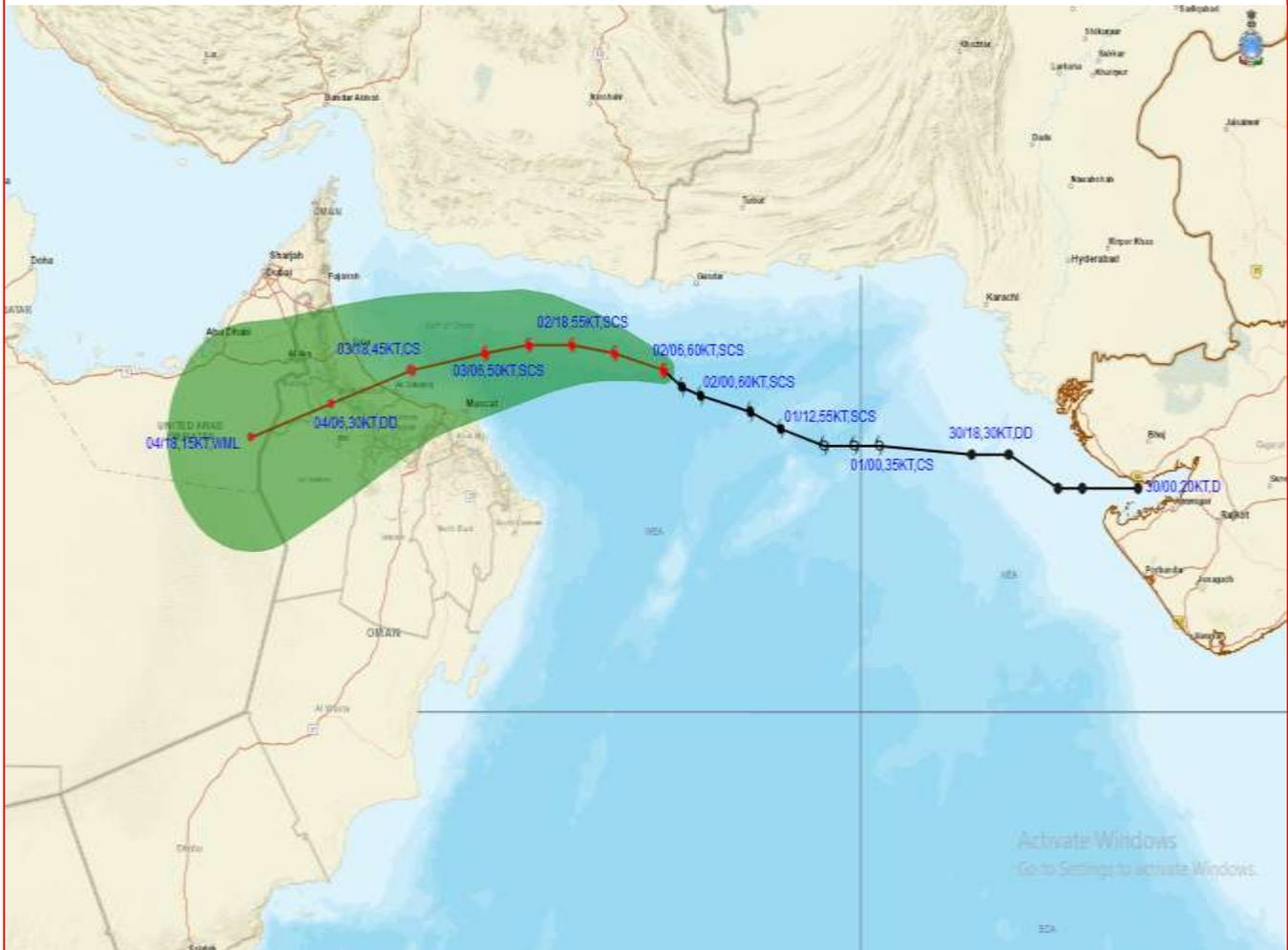
The next bulletin will be issued at 2030 hrs IST of 2nd October, 2021.

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

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



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM "SHAHEEN" OVER NORTHWEST ARABIAN SEA BASED ON 0600 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

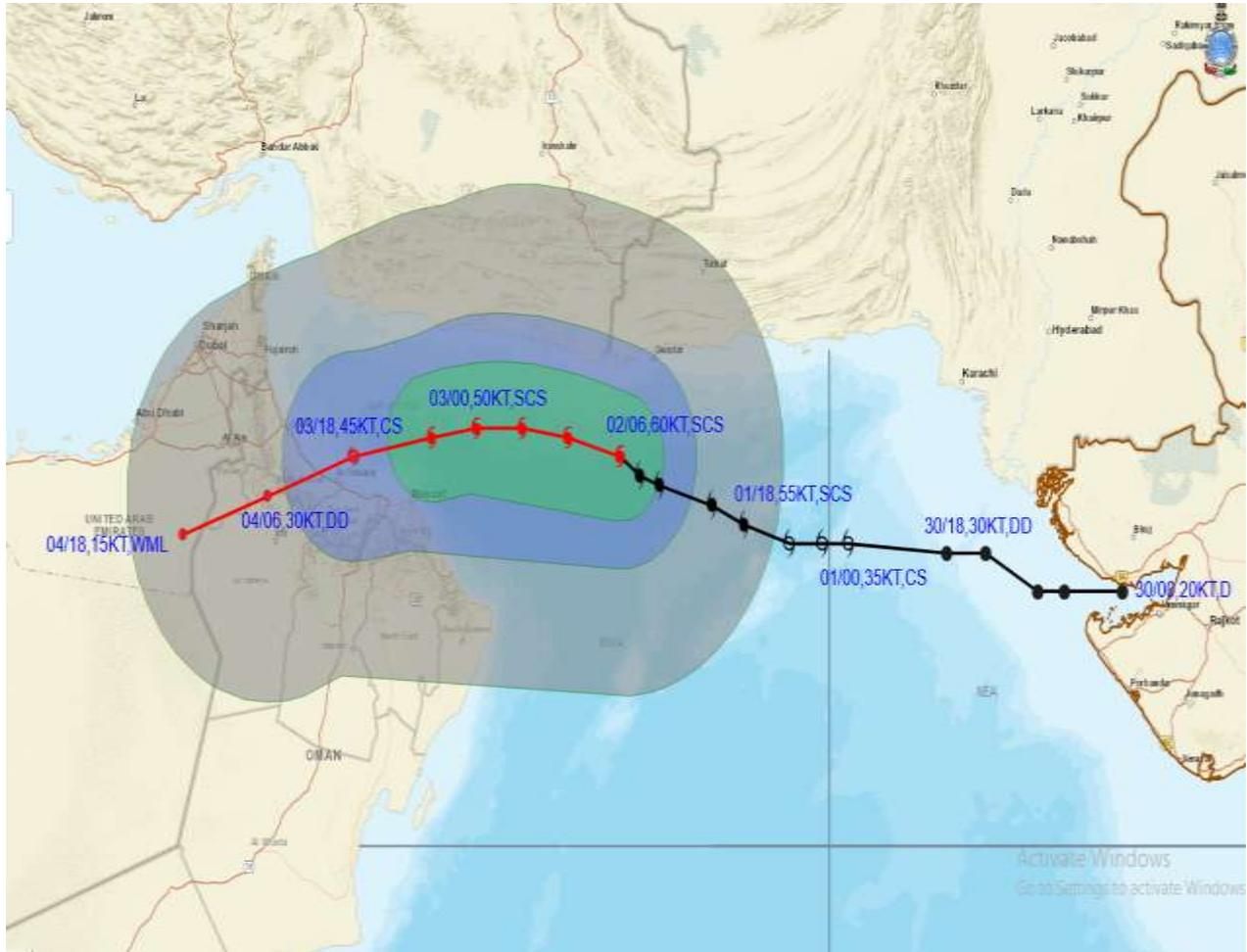
— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM "SHAHEEN" OVER NORTHWEST ARABIAN SEA BASED ON 0600 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 (≥ 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

02-10-2021/(1030 to 1056) GMT
02-10-2021/(1600 to 1626) IST

