



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

**BULLETIN NUMBER: 22 (AS/02/2021)**

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**DATED: 03.10.2021**

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)**

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

The **Severe Cyclonic Storm 'Shaheen'** over northwest Arabian Sea and adjoining Gulf of Oman moved west-southwestwards with a speed of about 8 kmph, during past 6 hours, lay centred at 0530 hrs IST of the 3<sup>rd</sup> October, 2021 over Gulf of Oman & adjoining northwest Arabian Sea, near latitude 24.3°N and longitude 59.5°E, about 1000 km west-northwest of Devbhoomi Dwarka (Gujarat), 160 km southwest of Chabahar Port (Iran) and 130 km east-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, during early hours of 4<sup>th</sup> October 2021, as a Cyclonic Storm with a maximum sustained wind speed of 80 – 90 kmph gusting to 100 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
03.10.21/0530	24.3/59.5	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/1130	24.2/58.9	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/1730	24.1/58.3	100-110 gusting to 120	Severe Cyclonic Storm
03.10.21/2330	24.0/57.6	90-100 gusting to 110	Severe Cyclonic Storm
04.10.21/0530	23.8/56.9	70-80 gusting to 90	Cyclonic Storm
04.10.21/1730	23.5/55.8	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 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 evening of 03<sup>rd</sup> Oct., reduce further becoming 80-90 kmph gusting to 100 kmph over Gulf of Oman from the early hours of 04<sup>th</sup> 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 03<sup>rd</sup> Oct. It would improve gradually becoming high over Gulf of Oman from the night of 3<sup>rd</sup> 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 4<sup>th</sup> 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 Oman coast till 4<sup>th</sup> October morning.

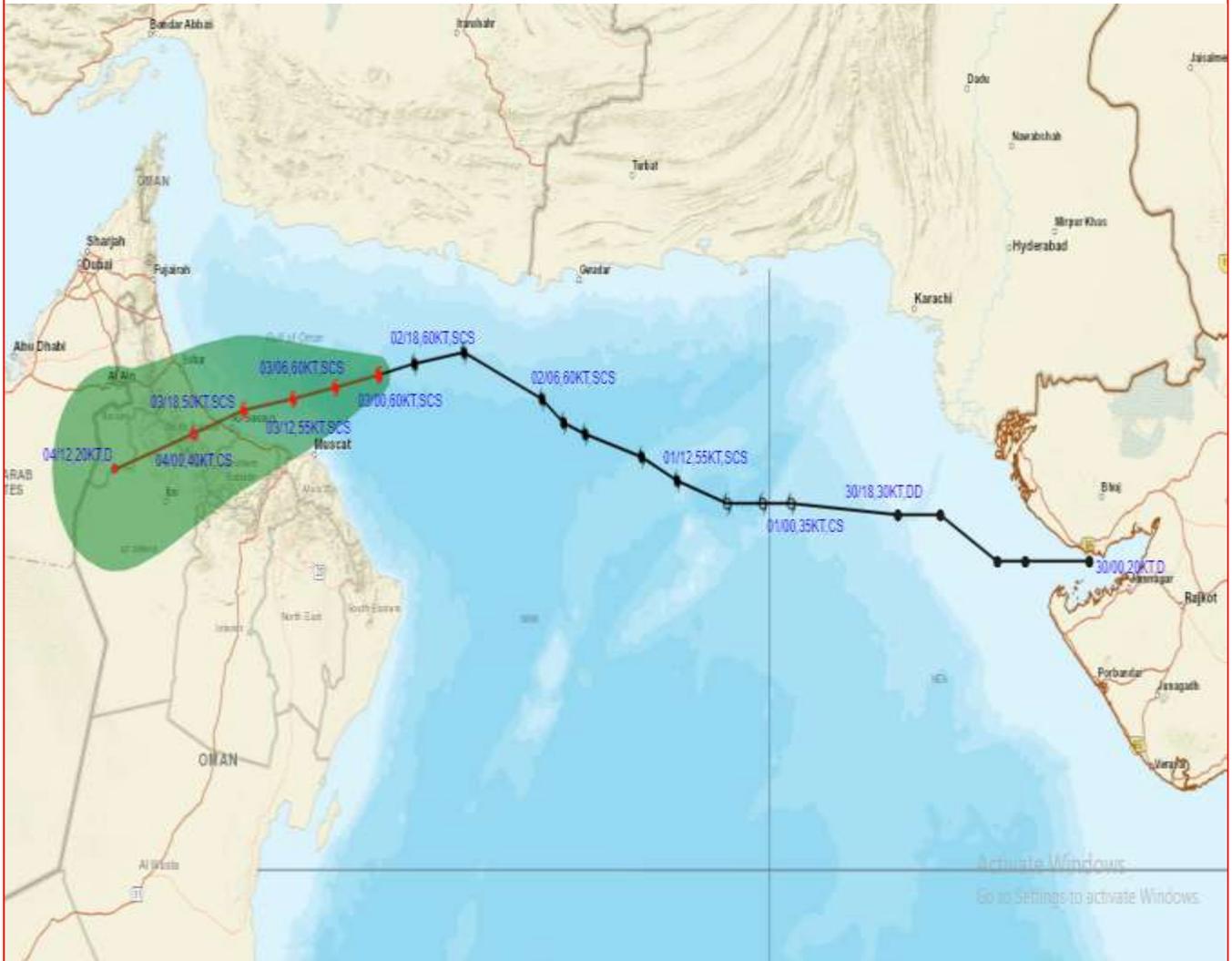
The next bulletin will be issued at 1130 hrs IST of 3<sup>rd</sup> October, 2021.

**(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 GULF OF OMAN AND ADJOINING NORTHWEST ARABIAN SEA BASED ON 0000 UTC OF 3<sup>RD</sup> OCTOBER, 2021**

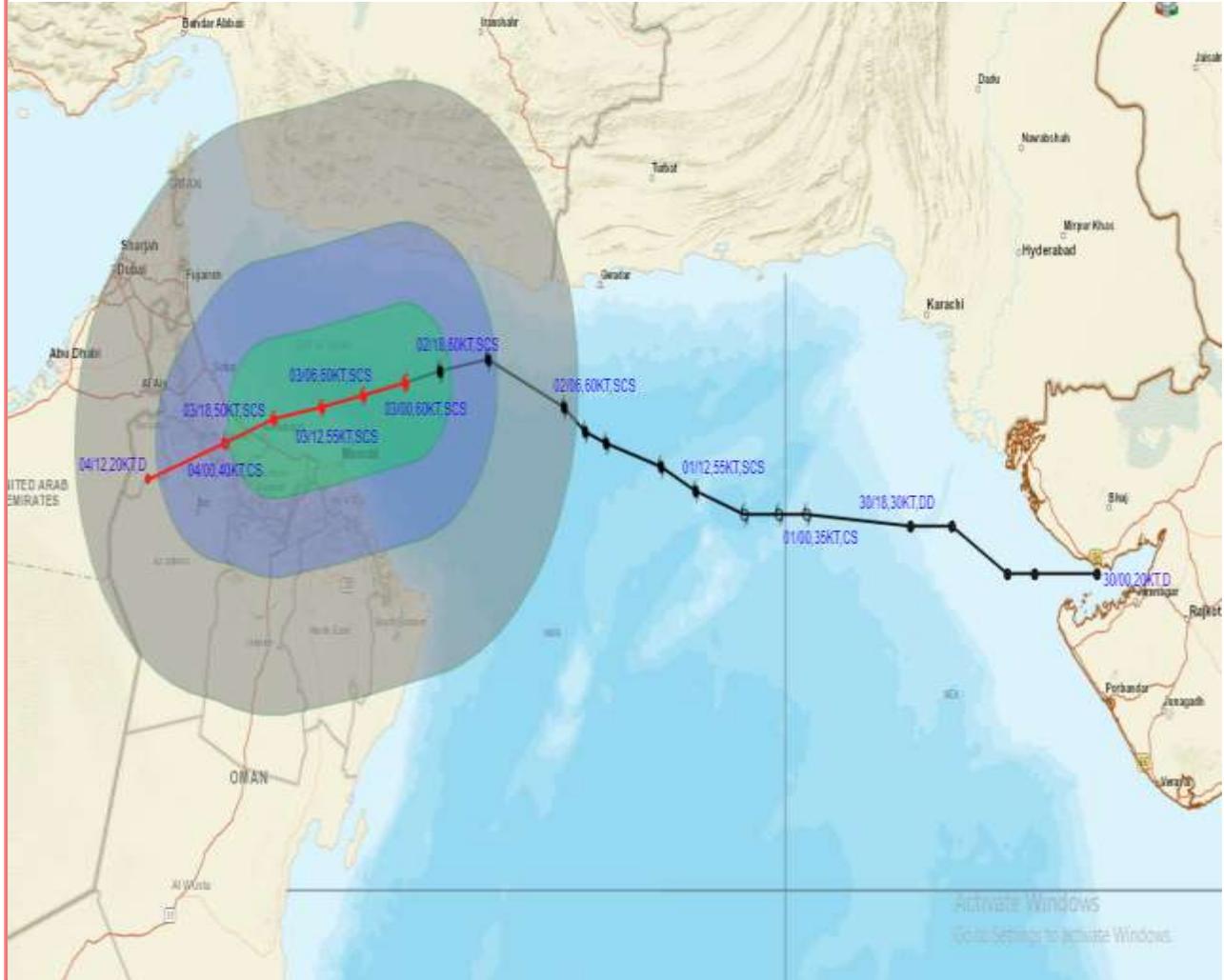


**DATE/TIME IN UTC**  
**IST=UTC + 0530**  
**L: LOW PRESSURE AREA**  
**WML: WELL MARKED LOW PRESSURE AREA**  
**D: DEPRESSION (17-27 KT)**  
**DD: DEEP DEPRESSION (28-33 KT)**  
**CS: CYCLONIC STORM (34-47 KT)**  
**SCS: SEVERE CYCLONIC STORM (48-63KT)**  
**VSCS: VERY SEVERE CYCLONIC STORM (64-89 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 0000 UTC OF 3<sup>RD</sup> 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

