



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

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Sub: Cyclonic Storm 'Shaheen' over central parts of north Arabian Sea

The **Cyclonic Storm 'Shaheen'** over central parts of north Arabian Sea moved nearly westwards with a speed of about 15 kmph, during past 6 hours and lay centred at 1130 hrs IST of today, the 01st October, 2021 over central parts of north Arabian Sea, near latitude 23.2°N and longitude 64.4°E, about 490 km west-northwest of Devbhoomi Dwarka (Gujarat), 450 km east-southeast of Chabahar Port (Iran) and 610 km east-southeast of Muscat (Oman).

It is very likely to further intensify into a Severe Cyclonic Storm during the next 06 hours and move west-northwestwards skirting Makran coast during next 36 hours. Thereafter it is likely to re-curve west-southwestwards, move towards Oman coast across Gulf of Oman and weaken gradually.

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
01.10.21/1130	23.2/64.4	80-90 gusting to 100	Cyclonic Storm
01.10.21/1730	23.4/63.7	90-100 gusting to 110	Severe Cyclonic Storm
01.10.21/2330	23.6/63.1	100-110 gusting to 120	Severe Cyclonic Storm
02.10.21/0530	23.9/62.4	110-120 gusting to 130	Severe Cyclonic Storm
02.10.21/1130	24.1/61.7	110-120 gusting to 130	Severe Cyclonic Storm
02.10.21/2330	24.4/60.3	100-110 gusting to 120	Severe Cyclonic Storm
03.10.21/1130	24.4/58.9	90-100 gusting to 110	Cyclonic Storm
03.10.21/2330	24.0/57.5	80-90 gusting to 100	Cyclonic Storm
04.10.21/1130	23.6/56.6	50-60 gusting to 70	Deep Depression

Warnings:

(i) Wind warning

- Gale wind speed reaching 80-90 kmph gusting to 100 kmph likely to prevail over northeast & adjoining northwest Arabian Sea during next 6 hours. It would gradually increase becoming 110 - 120 Kmph gusting to 130 Kmph over northwest Arabian Sea and adjoining Pakistan-Makran coasts from early hours of tomorrow till late night. It will gradually reduce becoming 90-100 Kmph gusting to 110 Kmph over northwest Arabian Sea and adjoining Gulf of Oman from 3rd forenoon and further reduce becoming 80-90 Kmph gusting to 100 Kmph from 4th October early morning and further reduce thereafter.
- Gale wind speed reaching 70-80 kmph gusting to 90 kmph likely to prevail over northeast Arabian Sea during next 24 hours. It would gradually reduce thereafter.
- Squally wind speed reaching 40-50 Kmph gusting to 60 Kmph likely to prevail along & off north Gujarat coast during next 12 hours.

(ii) Sea condition

- Sea condition will be high over northeast & adjoining northwest Arabian Sea during next 12 hours. It would become high to very high over north Arabian Sea & along and off Pakistan-Makran Coasts from the evening of today till morning of 03rd October. It would improve gradually becoming high over northwest Arabian Sea & adjoining Gulf of Oman from 3rd October evening.
- Sea condition will be rough to very rough along & off north Gujarat coast during next 12 hours.

(iii) Fishermen Warning

- Fishermen are advised not to venture into north & adjoining central Arabian Sea, along & off Pakistan-Makran coasts and Gulf of Oman till 4th October morning.
- Fishermen are also advised not to venture into northeast Arabian Sea along & off north Gujarat coast during next 12 hours.

(iv) EXPECTED IMPACT & ACTION SUGGESTED

- As the system is moving away from the Indian coast, no further impact is likely over the Indian Mainland.
- However, Fishermen as well as Mariners are advised to avoid the Sea areas specified above.

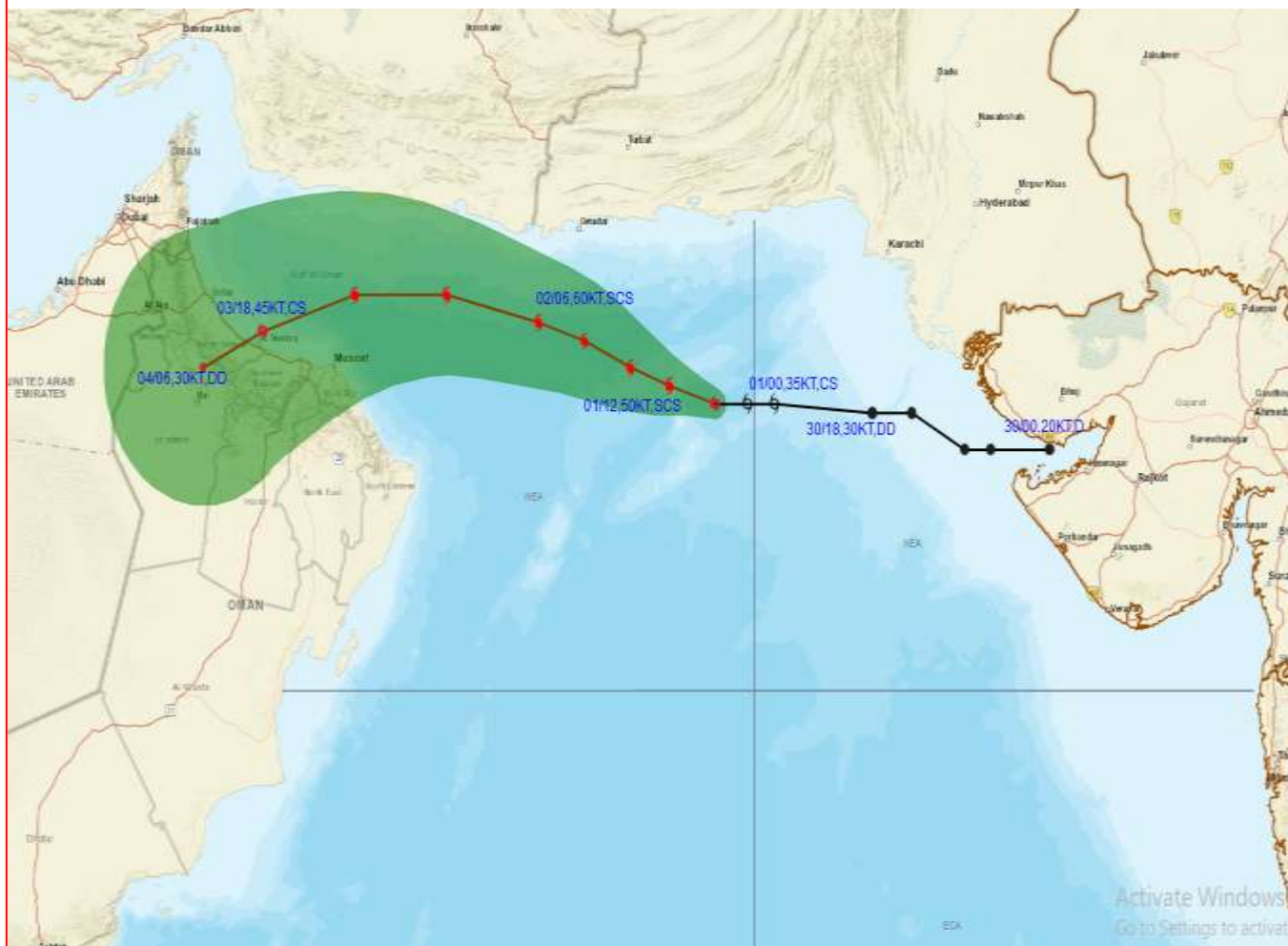
The next bulletin will be issued at 1730 hrs IST of 1st October, 2021.

(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 CYCLONIC STORM "SHAHEEN" OVER NORTHEAST ARABIAN SEA BASED ON 0600 UTC OF 1ST OCTOBER, 2021

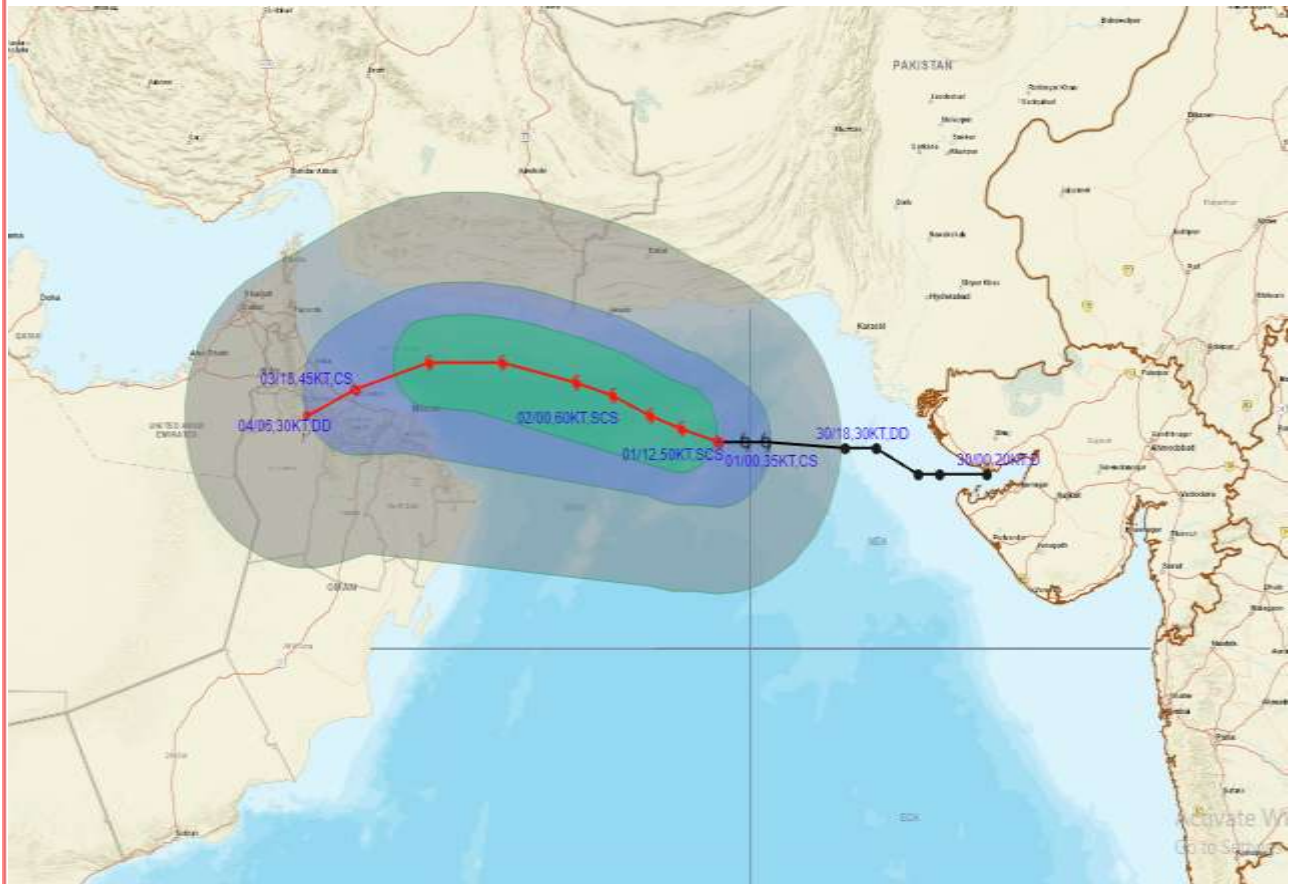


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 CYCLONIC STORM "SHAHEEN" OVER NORTHEAST ARABIAN SEA BASED ON 0600 UTC OF 1ST 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

