



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

BULLETIN NUMBER: 19 (AS/02/2021)

TIME OF ISSUE: 2200 HOURS IST

DATED: 02.10.2021

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

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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 west-northwestwards with a speed of about 16 kmph, during past 6 hours, lay centred at 2030 hrs IST of 2nd October, 2021 over northwest Arabian Sea and adjoining Gulf of Oman, near latitude 24.5°N and longitude 60.4°E, about 910 km west-northwest of Devbhoomi Dwarka (Gujarat), 90 km nearly to the south-southwest of Chabahar Port (Iran) and 220 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
02.10.21/2030	24.5/60.4	110-120 gusting to 130	Severe Cyclonic Storm
02.10.21/2330	24.6/60.3	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/0530	24.6/59.6	105-115 gusting to 125	Severe Cyclonic Storm
03.10.21/1130	24.4/58.9	95-105 gusting to 115	Severe Cyclonic Storm
03.10.21/1730	24.2/58.3	85-95 gusting to 105	Cyclonic Storm
04.10.21/0530	23.9/57.0	70-80 gusting to 90	Cyclonic Storm
04.10.21/1730	23.5/55.8	45-55 gusting to 65	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 105 - 115 Kmph gusting to 125 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.

(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.

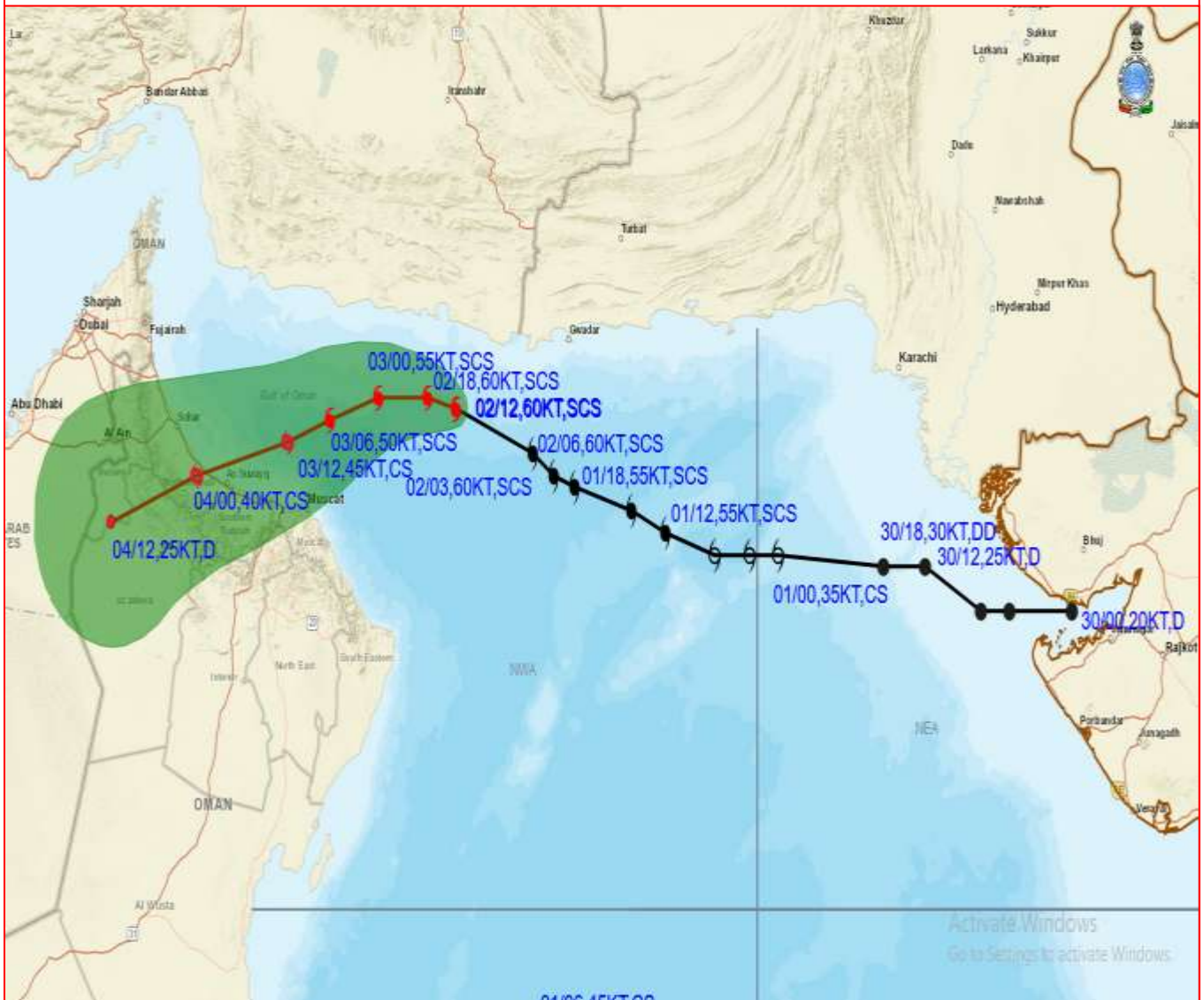
The next bulletin will be issued at 0230 hrs IST of 3rd October, 2021.

(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 1200 UTC OF 2ND OCTOBER, 2021

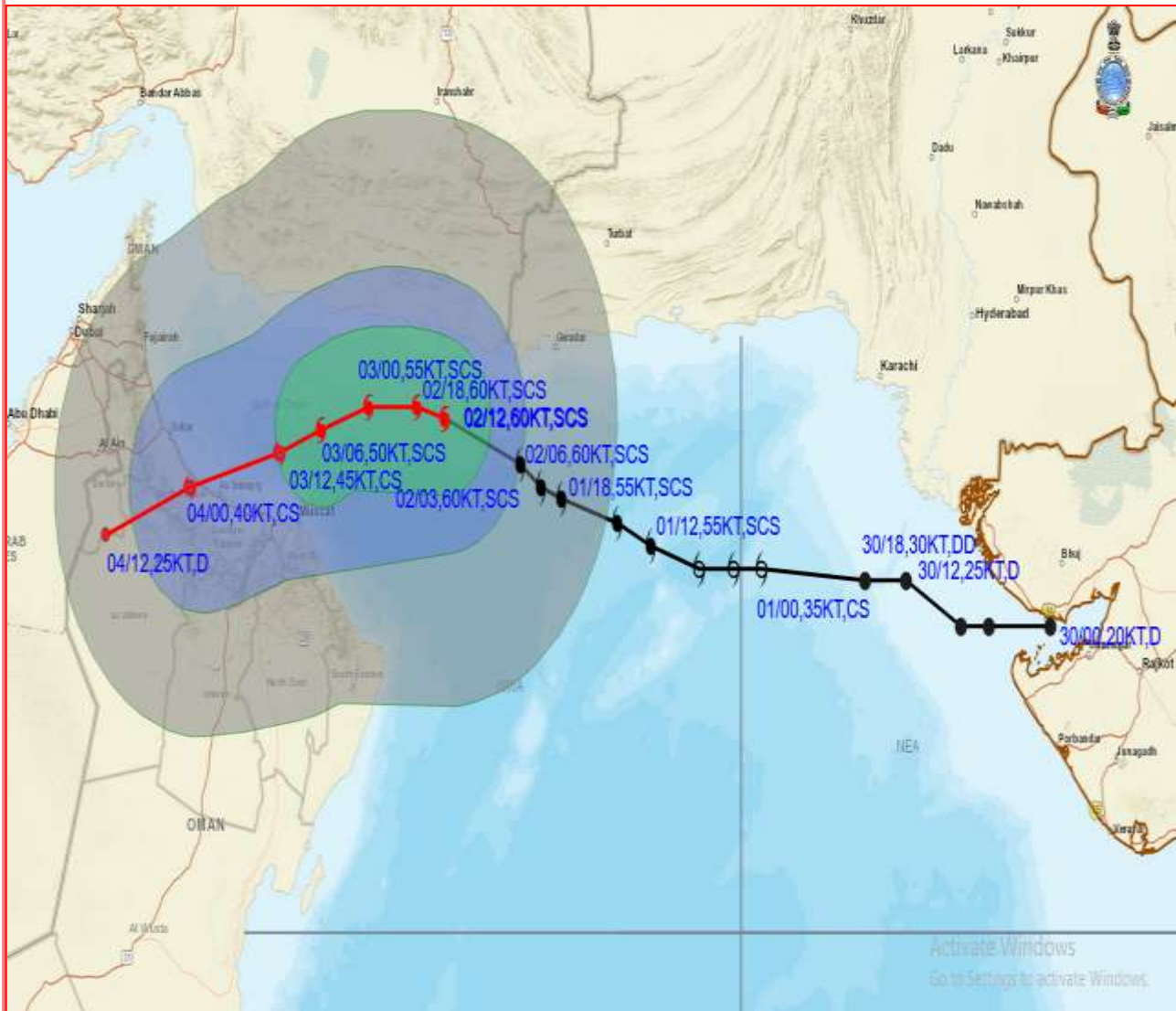


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 1200 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
AREA OF MAXIMUM SUSTAINED WIND SPEED:
— 28-33 KT (52-61 KMPH)
— 34-49 KT (62-91 KMPH)
— 50-63 KT (92-117 KMPH)
— \geq 64 KT (\geq 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
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations

SAT : INSAT-3D IMG
IMG_TIR1_TEMP 10.8 um
ARABIAN SEA

02-10-2021/(1500 to 1528) GMT
02-10-2021/(2030 to 2056) IST

