



**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 west-northwestwards with a speed of about 19 kmph, during past 6 hours, lay centred at 1730 hrs IST of 2<sup>nd</sup> October, 2021 over northwest Arabian Sea and adjoining Gulf of Oman, near latitude 24.5°N and longitude 60.7°E, about 890 km west-northwest of Devbhoomi Dwarka (Gujarat), 90 km nearly to the south of Chabahar Port (Iran) and 250 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 4<sup>th</sup> 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<br>(Lat. °N/ long. °E) | Maximum sustained surface<br>wind speed (Kmph) | Category of cyclonic<br>disturbance |
|----------------|---------------------------------|--|-------------------------------------|
| 02.10.21/1730  | 24.5/60.7                       | 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 03<sup>rd</sup> 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 04<sup>th</sup> 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 03<sup>rd</sup> Oct. It would improve gradually becoming high over northwest Arabian Sea & adjoining 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, along & off Makran and Oman coasts till 4<sup>th</sup> October morning.

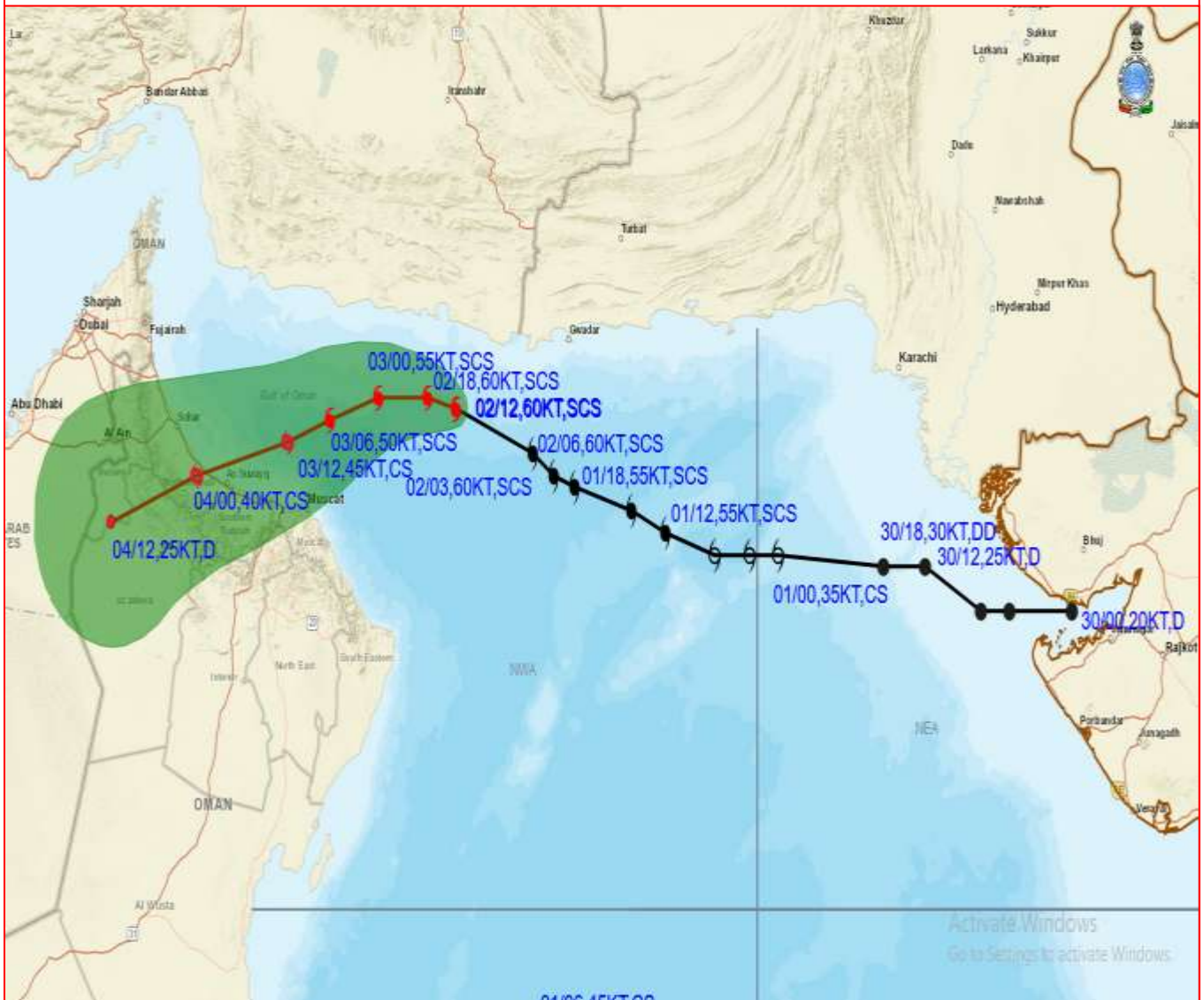
The next bulletin will be issued at 2330 hrs IST of 2<sup>nd</sup> October, 2021.

**(Sunitha Devi .S)**  
**Scientist-F, 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 2<sup>ND</sup> OCTOBER, 2021**

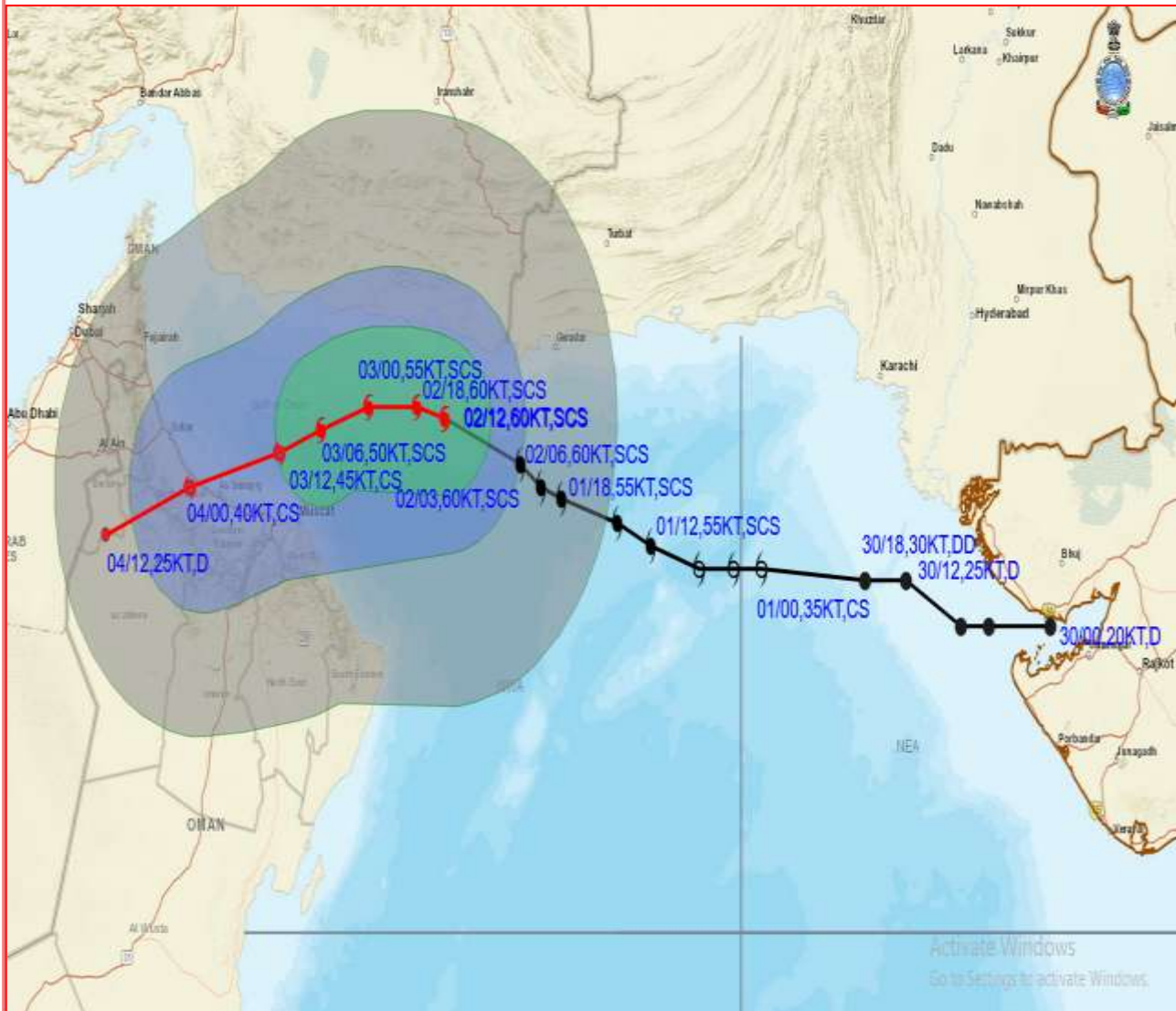


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE 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 NORTHWEST ARABIAN SEA AND ADJOINING GULF OF OMAN BASED ON 1200 UTC OF 2<sup>ND</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 |

SAT : INSAT-3D IMG  
IMG\_TIR1\_TEMP 10.8 um  
ARABIAN\_SEA

02-10-2021/(1300 to 1326) GMT  
02-10-2021/(1830 to 1856) IST

