



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

**BULLETIN NUMBER: 06 (AS/02/2021)**

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**Sub: Deep Depression intensified into Cyclonic Storm 'Shaheen' over northeast Arabian Sea & neighbourhood.**

The Deep Depression over northeast Arabian Sea off Gujarat coast moved west-northwestwards with a speed of about 25 kmph, during past 6 hours, intensified into a **Cyclonic Storm 'Shaheen'** and lay centred at 0530 hrs IST of today, the 01<sup>st</sup> October, 2021, near latitude 23.2°N and longitude 65.3°E, about 400 km west-northwest of Devbhoomi Dwarka (Gujarat), 260 km south-southwest of Karachi (Pakistan) and 530 km east-southeast of Chabahar Port (Iran).

It is very likely to further intensify into a Severe Cyclonic Storm during the next 24 hours and move west-northwestwards during next 36 hours. Thereafter it is likely to re-curve west-southwestwards skirting Makran coast, 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<br>(Lat. °N/ long. °E) | Maximum sustained surface<br>wind speed (Kmph) | Category of cyclonic<br>disturbance |
|----------------|---------------------------------|--|-------------------------------------|
| 01.10.21/0530  | 23.2/65.3                       | 65-75 gusting to 85                            | Cyclonic Storm                      |
| 01.10.21/1130  | 23.3/64.8                       | 75-85 gusting to 96                            | Cyclonic Storm                      |
| 01.10.21/1730  | 23.4/64.3                       | 80-90 gusting to 100                           | Cyclonic Storm                      |
| 01.10.21/2330  | 23.6/63.8                       | 90-100 gusting to 110                          | Severe Cyclonic Storm               |
| 02.10.21/0530  | 23.9/63.2                       | 95-105 gusting to 115                          | Severe Cyclonic Storm               |
| 02.10.21/1730  | 24.5/62.2                       | 95-105 gusting to 115                          | Severe Cyclonic Storm               |
| 03.10.21/0530  | 24.7/60.9                       | 90-100 gusting to 110                          | Severe Cyclonic Storm               |
| 03.10.21/1730  | 24.4/59.6                       | 80-90 gusting to 100                           | Cyclonic Storm                      |
| 04.10.21/0530  | 23.9/58.3                       | 70-80 gusting to 90                            | Cyclonic Storm                      |

**Warnings:**

**(i) Wind warning**

- Gale wind speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over northeast & adjoining northwest Arabian Sea during next 6 hours. It would gradually increase becoming 80-90 Kmph gusting to 100 Kmph over northwest and adjoining northeast Arabian Sea and adjoining Pakistan-Makran coasts from today evening and become 95-105 Kmph gusting to 115 Kmph from tomorrow morning. It will gradually reduce becoming 80-90 Kmph gusting to 100 Kmph over northwest Arabian Sea and adjoining Gulf of Oman from 3<sup>rd</sup> October morning and further reduce thereafter.
- Squally wind speed reaching 40-50 Kmph gusting to 60 Kmph 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 midnight of today till early morning of 03<sup>rd</sup> October. It would improve gradually becoming high over northwest Arabian Sea & adjoining Gulf of Oman from 3<sup>rd</sup> 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 4<sup>th</sup> 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 1130 hrs IST of 1<sup>st</sup> October, 2021.

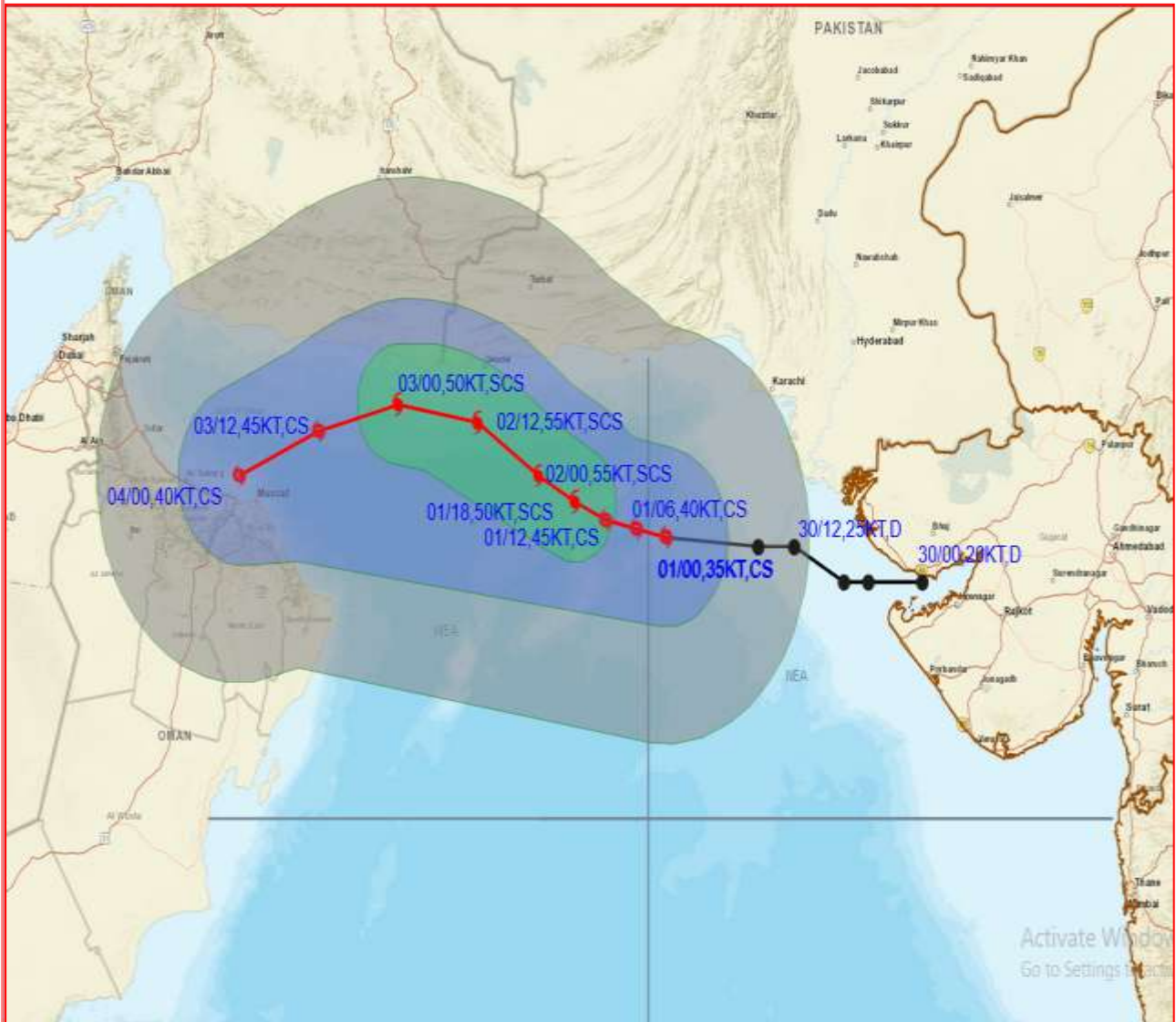
**(Sunitha Devi. S)**  
**Scientist-F, RSMC, New Delhi**

*Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvananthapuram*





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "SHAHEEN" OVER NORTHEAST ARABIAN SEA BASED ON 0000 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 |

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

01-10-2021/(0030 to 0056) GMT  
01-10-2021/(0600 to 0626) IST

