

## India Meteorological Department (Ministry of Earth Sciences)

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TIME OF ISSUE:1400 HOURS IST DATED: 03.10.2021

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

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

**CONTROL ROOM NDMA (FAX.NO. 26701729)** 

**CABINET SECRETARIAT (FAX.NO.23012284, 23018638)** 

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES, (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

**DIRECTOR GENERAL, DOORDARSHAN (23385843)** 

**DIRECTOR GENERAL, AIR (23421105, 23421219)** 

**PIB MOES (FAX NO. 23389042)** 

**UNI (FAX NO. 23355841)** 

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

**DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)** 

CHIEF SECRETARY, MAHARASHTRA (FAX NO 022-22028594)

CHIEF SECRETARY, GUJARAT (FAX NO 079-23250305)

CHIEF SECRETARY, DAMAN, DIU, DADRA & NAGAR HAVELI (FAX NO 0260-2230775)

CHIEF SECRETARY, GOA (FAX NO 0832-2415201)

CHIEF SECRETARY, KARNATAKA (FAX NO 080-22258913)

CHIEF SECRETARY, KERALA (FAX NO 0471-2327176)

**ADMINISTRATOR, LAKSHADWEEP (FAX NO 0260-2230775)** 

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

The **Severe Cyclonic Storm 'Shaheen'** over Gulf of Oman & adjoining northwest Arabian Sea moved west-southwestwards with a speed of about 15 kmph, during past 6 hours, lay centred at 1130 hrs IST of today, the 3<sup>rd</sup> October, 2021 over Gulf of Oman & adjoining northwest Arabian Sea, near latitude 24.1°N and longitude 58.6°E, about 1090 km west-northwest of Devbhoomi Dwarka (Gujarat), 240 km west-southwest of Chabahar Port (Iran) and 60 km north-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 (about 130 km west-northwest of Muscat) by early hours of 4<sup>th</sup> October 2021, as a Severe Cyclonic Storm with a maximum sustained wind speed of 90 – 100 kmph gusting to 110 kmph.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. <sup>0</sup> N/ long. <sup>0</sup> E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
03.10.21/1130	24.1/58.6	115-125 gusting to 135	Severe Cyclonic Storm
03.10.21/1730	24.0/57.9	105-115 gusting to 125	Severe Cyclonic Storm
03.10.21/2330	23.9/57.3	95-105 gusting to 115	Severe Cyclonic Storm
04.10.21/0530	23.8/56.5	60-70 gusting to 80	Cyclonic Storm
04.10.21/1130	23.7/55.9	45-55 gusting to 65	Depression

#### Warnings:

#### (i) Wind warning

 Gale wind speed reaching 115-125 kmph gusting to 135 kmph likely to prevail over Gulf of Oman and adjoining northwest Arabian Sea during next 06 hours. It would gradually decrease becoming 95 - 105 Kmph gusting to 115 Kmph over Gulf of Oman from the night of today, the 03<sup>rd</sup> Oct., reduce further becoming 60-70 kmph gusting to 80 kmph over north coastal Oman and adjoining Gulf of Oman from the early morning 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 mid-night of today, the 03<sup>rd</sup> Oct. It would be high to very high over Gulf of Oman & adjoining north coastal Oman from early hours of 4<sup>th</sup> October during subsequent 06 hours.

#### (iii) Fishermen Warning

• Fishermen are advised not to venture into northwest Arabian Sea, Gulf of Oman, and along & off north Oman coast 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 Gulf of Oman, adjoining northwest Arabian Sea and along & off north Oman coast till 4<sup>th</sup> October morning.

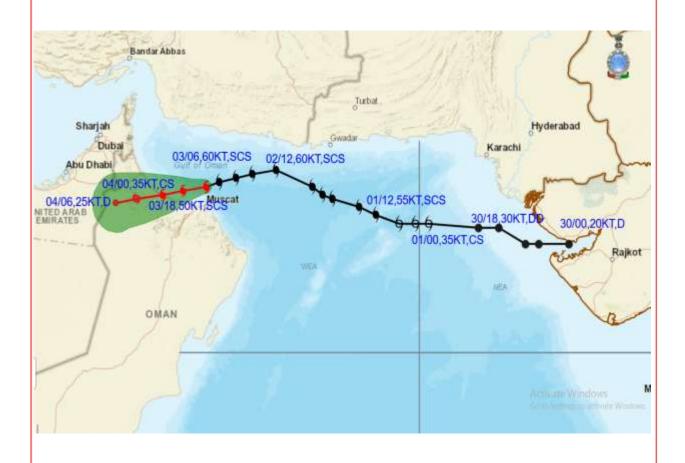
The next bulletin will be issued at 1730 hrs IST of 3<sup>rd</sup> October, 2021.

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

Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvanathapuram



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM "SHAHEEN" OVER GULF OF OMAN AND ADJOINING NORTHWEST ARABIAN SEA BASED ON 0600 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)

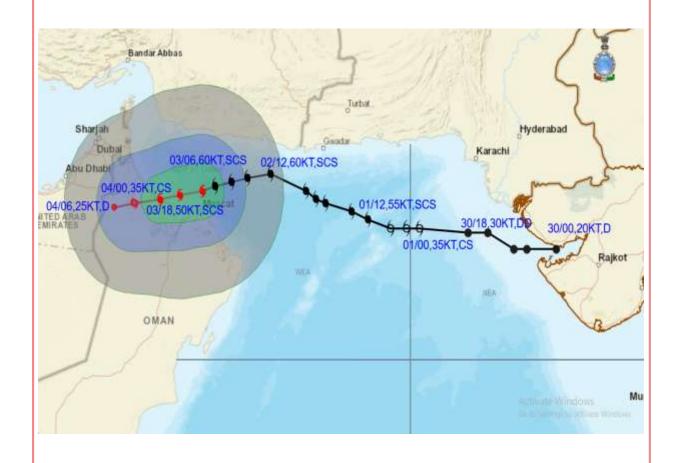
SuCS: SUPER CYCLONIC STORM № 120 KT)

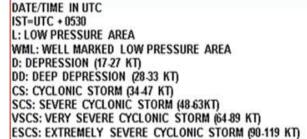
ı	•	LESS THAN 34 KT
l	6	34-47 KT
l	6	≥ 48 KT
ı		OBSERVED TRACK
l		FORECAST TRACK
l		CONE OF UNCERTAINTY
l	AREA	OF MAXIMUM SUSTAINED WIND SPEED:
l	(3 · · · · )	28-33 KT (52-61 KMPH)
l	S 1	34.49 KT (62.91 KMPH)
l	1	50-63 KT (92-117 KMPH)
١		≥ 64 KT (≥118 KMPH)
ı		

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		



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