



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

**BULLETIN NUMBER: 11 (AS/02/2021)**

**TIME OF ISSUE: 2315 HOURS IST**

**DATED: 01.10.2021**

**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)  
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DIRECTOR GENERAL, AIR (23421105, 23421219)  
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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 northwest & adjoining northeast Arabian Sea**

The **Severe Cyclonic Storm 'Shaheen'** over **northwest & adjoining northeast Arabian Sea** moved west-northwestwards with a speed of about 14 kmph, during past 6 hours, lay centred at 2030 hrs IST of today, the 01<sup>st</sup> October, 2021, near latitude 23.6°N and longitude 63.4°E, about 600 km west-northwest of Devbhoomi Dwarka (Gujarat), 340 km east-southeast of Chabahar Port (Iran) and 510 km east-southeast of Muscat (Oman).

It is very likely to intensify further during the next 12 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. It is likely to cross Oman coast between Long.56°E & 58°E, during early hours of 4<sup>th</sup> October 2021, as a Cyclonic Storm.

**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
01.10.21/2030	23.6/63.4	100-110 gusting to 120	Severe Cyclonic Storm
01.10.21/2330	23.8/63.1	105-115 gusting to 125	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
02.10.21/1730	24.3/61.0	110-120 gusting to 130	Severe Cyclonic Storm
03.10.21/0530	24.4/59.6	95-105 gusting to 115	Severe Cyclonic Storm
03.10.21/1730	24.2/58.2	80-90 gusting to 100	Cyclonic Storm
04.10.21/0530	23.8/57.0	50-60 gusting to 70	Deep Depression
04.10.21/1730	23.4/56.1	50-60 gusting to 70	Well Marked Low

**Warnings:**

**(i) Wind warning**

- Gale wind speed reaching 100-110 kmph gusting to 120 kmph likely to prevail over northwest & adjoining northeast 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 3<sup>rd</sup> forenoon and further reduce becoming 80-90 Kmph gusting to 100 Kmph from 4<sup>th</sup> 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.

**(ii) Sea condition**

- Sea condition will be high to very high over northwest & adjoining northeast Arabian Sea during next 12 hours. It would become high to very high over north Arabian Sea & along and off Pakistan-Makran Coasts from tonight till 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.

**(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 06 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.

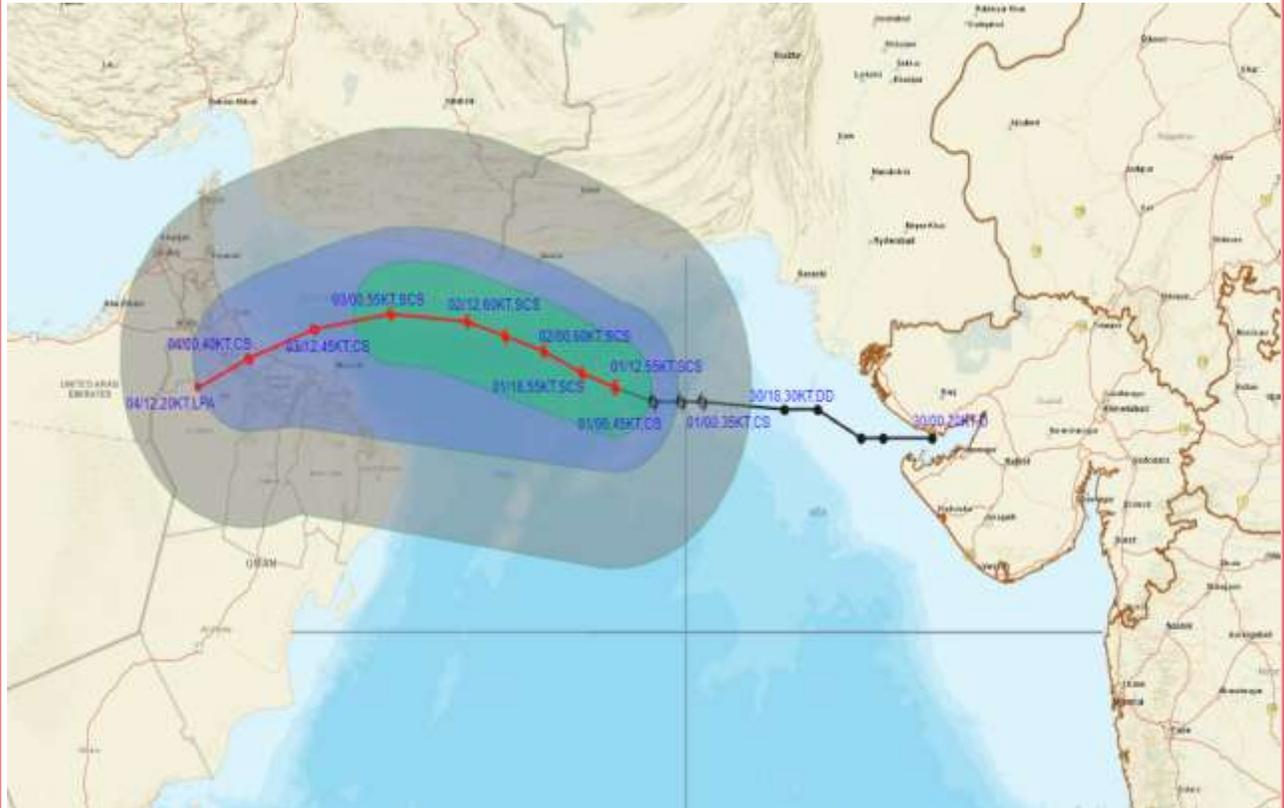
The next bulletin will be issued at 0230 hrs IST of 2<sup>nd</sup> October, 2021.

**(D. R. Pattanaik)**  
**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 NORTHWEST & ADJOINING NORTHEAST ARABIAN SEA BASED ON 1200 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)

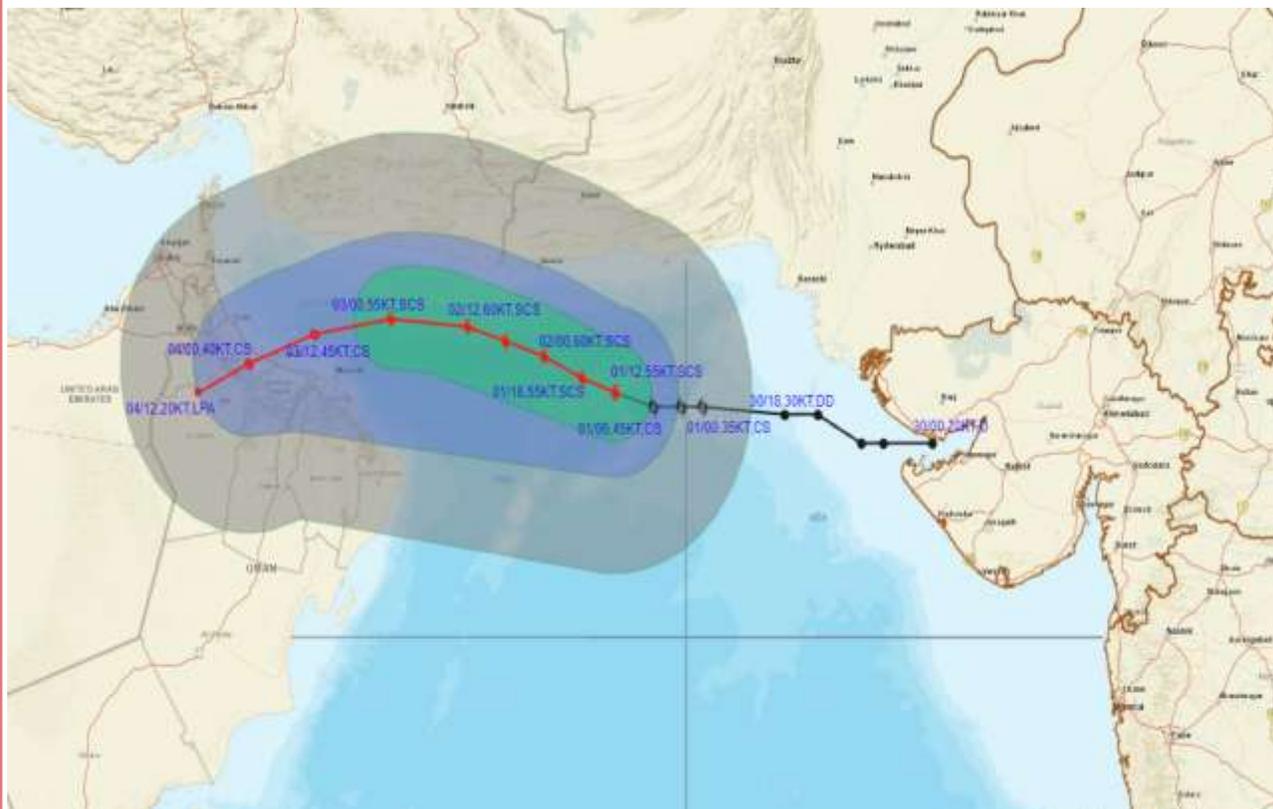
● LESS THAN 34 KT  
 ○ 34-47 KT  
 ● ≥ 48 KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 ● CONE OF UNCERTAINTY  
 AREA OF MAXIMUM SUSTAINED WIND SPEED:  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■ ≥ 64 KT (≥118 KMPH)

**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



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SuCS: SUPER CYCLONIC STORM ( $\geq 120$  KT)

● LESS THAN 34 KT

○ 34.47 KT

●  $\geq 48$  KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

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$\geq 64$ ( $\geq 118$ )	Phenomenal	Total suspension of fishing operations

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

01-10-2021/(1630 to 1656) GMT  
01-10-2021/(2200 to 2226) IST

