



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE - 6

Time of issue: 1300 hours IST

Dated: 04-10-2021

Sub: Severe Cyclonic Storm 'Shaheen' crossed Oman coast and weakened into a deep depression over north Oman and adjoining United Arab Emirates

The remnant of cyclonic storm "Gulab" over the Bay of Bengal after moving across India emerged into Gulf of Khambat as a well marked low pressure area in the morning (0830 hours IST) of 29th October, 2021. It moved west-northwestwards and intensified into a depression over northeast Arabian Sea and adjoining Gulf of Kutch in the early morning (0530 hours IST) of 30th September, into a deep depression over northeast Arabian Sea around midnight (2330 hours IST) of 30th, into the Cyclonic Storm "Shaheen" over northeast Arabian Sea in the early morning (0530 hours IST) and into a Severe Cyclonic Storm over northwest Arabian Sea in the evening (1730 hours IST) of 1st October, 2021. It continued to move further west-northwestwards until the mid-night of 2nd October 2021. Thereafter, it moved westwards for some time and re-curved west-southwestwards from the early morning (0530 hours IST) of 3rd October.

Continuing to move further west-southwestwards, it crossed Oman coast during 0030 & 0130 hours IST of today, the 4th October, near latitude 23.9 °N and longitude 57.3 °E, about 120 km west-northwest of Muscat (Oman) as a severe cyclonic storm with a maximum sustained wind speed of 95-105 kmph gusting to 115 kmph. It further moved west-southwestwards, weakened into a cyclonic storm over north Oman and adjoining United Arab Emirates (UAE) in the early morning (0530 hours IST) and into a deep depression over the same region in the morning (0830 hours IST) of today, near latitude 23.5°N and longitude 56.4°E, about 200 km to the west of Muscat (Oman). It is very likely to move further west-southwestwards, weaken into a Depression during next 12 hours and into a well marked low pressure area during subsequent 12 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. 0N/ long. 0E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
04.10.21/0830	23.5/56.4	55-65 gusting to 75	Deep Depression
04.10.21/1130	23.4/56.1	50-60 gusting to 70	Deep Depression
04.10.21/1730	23.2/55.5	30-40 gusting to 50	Depression

Warnings:

(i) Wind warning

- Gale wind speed reaching 55-65 kmph gusting to 75 kmph over north Oman and adjoining United Arab Emirates during next 06 hours and gradually reduce becoming 30-40 kmph gusting to 50 kmph from today evening during the subsequent 06 hours.

(ii) Sea condition

- Sea condition will be rough to very rough along & off north Oman coast during next 06 hours. It would improve gradually thereafter.

(iii) Fishermen Warning

- Fishermen are advised not to venture into Gulf of Oman and along & off north Oman coast during next 06 hours.

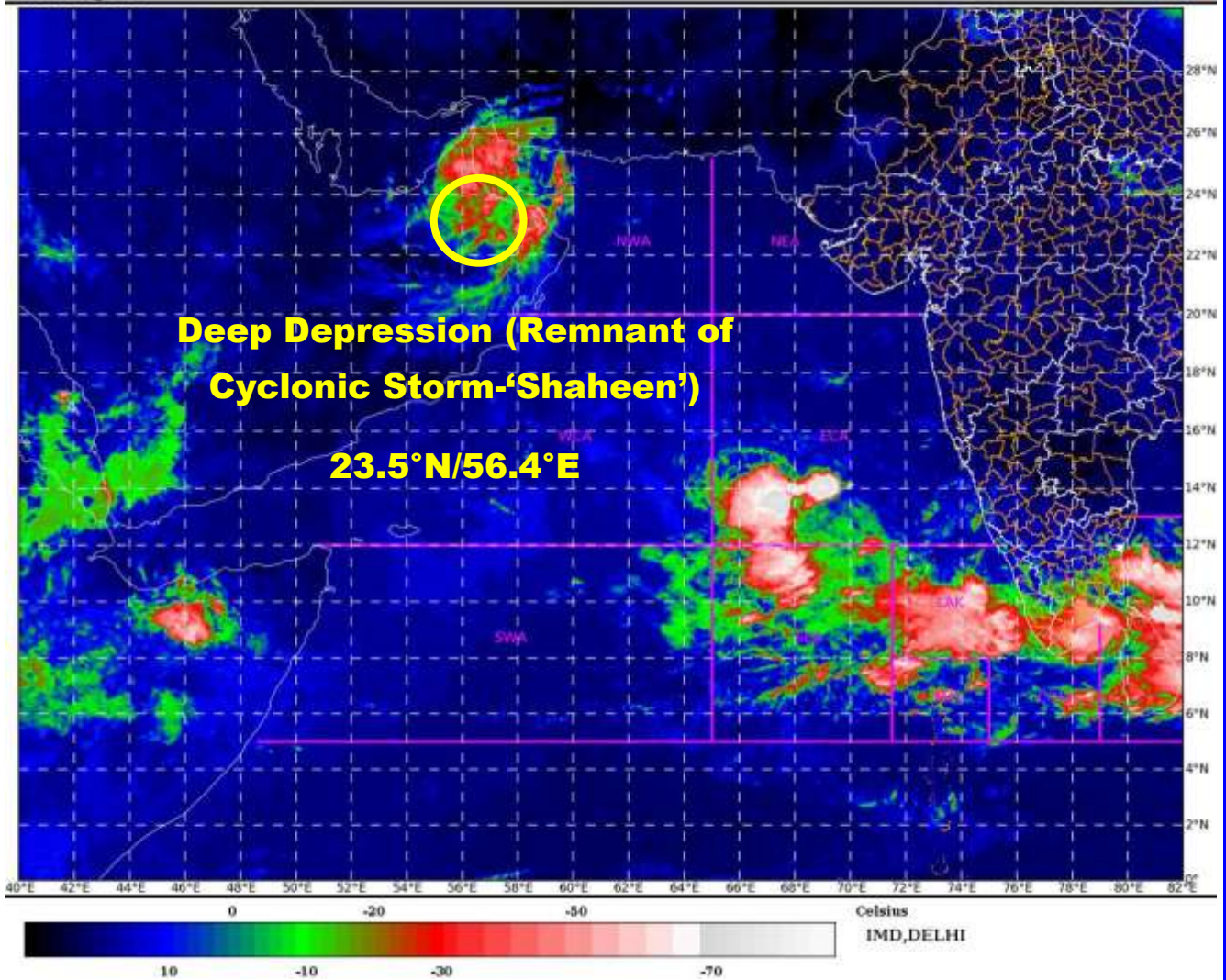
(iv) EXPECTED IMPACT & ACTION SUGGESTED

- Fishermen as well as Mariners are advised to avoid Gulf of Oman and along & off north Oman coast during next 06 hours.

This is last the Press Release in association with this system.

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

04-10-2021/(0430 to 0456) GMT
04-10-2021/(1000 to 1026) IST



Contact: Cyclone Warning Division, Office of the Director General of Meteorology,
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Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM "SHAHEEN") OVER NORTH OMAN AND ADJOINING UNITED ARAB OF EMIRATES BASED ON 0300 UTC OF 4th 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 OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM "SHAHEEN") OVER NORTH OMAN AND ADJOINING UNITED ARAB OF EMIRATES BASED ON 0300 UTC OF 4th OCTOBER, 2021



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
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 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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