



**REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI TROPICAL
TROPICAL CYCLONE ADVISORY BULLETIN NO. 25**

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

**TO: STORM WARNING CENTRE, NAYPYI TAW (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
YEMEN METEOROLOGICAL SERVICES, REPUBLIC OF YEMEN (THROUGH RTH JEDDAH)
YEMEN METEOROLOGICAL SERVICES, REPUBLIC OF YEMEN (THROUGH RTH JEDDAH) NATIONAL
CENTRE FOR METEOROLOGY, UAE (THROUGH RTH JEDDAH)
PRESIDENCY OF METEOROLOGY AND ENVIRONMENT, SAUDI ARABIA (THROUGH RTH JEDDAH)
IRAN METEOROLOGICAL ORGANISATION, (THROUGH RTH JEDDAH)
QATAR METEOROLOGICAL DEPARTMENT (THROUGH RTH JEDDAH)**

**TROPICAL CYCLONE ADVISORY NO. 25 FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND
ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0230 UTC OF 04.10.2021 BASED ON 0000
UTC OF 04.10.2021.**

**SUB: CYCLONIC STORM 'SHAHEEN' OVER NORTH OMAN AND ADJOINING UNITED
ARAB EMIRATES**

THE SEVERE CYCLONIC STORM 'SHAHEEN' OVER NORTH COASTAL OMAN CONTINUED TO MOVE WEST-SOUTHWESTWARDS WITH A SPEED OF ABOUT 09 KMPH DURING PAST 6 HOURS, WEAKENED INTO A CYCLONIC STORM AND LAY CENTRED AT 0000 UTC OF 4TH OCTOBER, 2021 OVER NORTH OMAN ADJOINING UNITED ARAB EMIRATES (UAE), NEAR LATITUDE 23.7°N AND LONGITUDE 56.8°E, ABOUT 160 KM NEARLY WEST OF MUSCAT (41278).

IT IS VERY LIKELY TO MOVE WEST-SOUTHWESTWARDS AND WEAKEN INTO A DEEP DEPRESSION DURING NEXT 06 HOURS AND FURTHER WEAKEN INTO A DEPRESSION IN SUBSEQUENT 06 HOURS.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
04.10.21/0000	23.7/56.8	70-80 gusting to 90	Cyclonic Storm
04.10.21/0600	23.5/56.2	50-60 gusting to 70	Deep Depression
04.10.21/1200	23.3/55.6	35-45 gusting to 55	Depression

AS PER INSAT-3D IMAGERY AT 0000 UTC, ASSOCIATED BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER OMAN AND GULF OF OMAN. MINIMUM CLOUD TOP TEMPERATURE IS MINUS 68 DEG C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 40 KNOTS GUSTING TO 50 KNOTS. THE SEA CONDITION IS HIGH OVER GULF OF OMAN AND ALONG & OFF NORTH OMAN COAST. THE ESTIMATED CENTRAL PRESSURE IS 990 HPA.

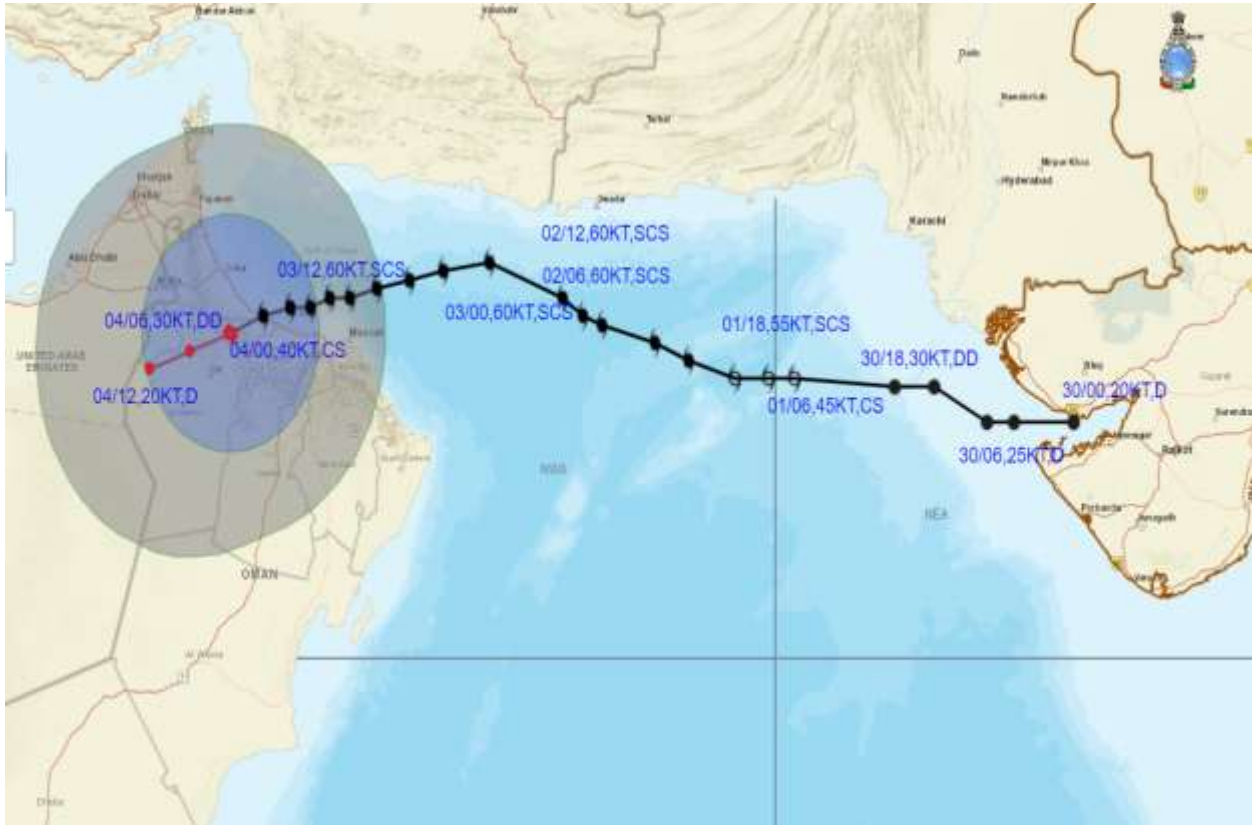
REMARKS:

THE SYSTEM IS VERY LIKELY TO MOVE WEST-SOUTHWESTWARDS AND WEAKEN INTO A DEEP DEPRESSION DURING NEXT 06 HOURS AND FURTHER WEAKEN INTO A DEPRESSION IN SUBSEQUENT 06 HOURS.

**(D R PATTANAİK)
SCIENTIST-F, RSMC, NEW DELHI**



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "SHAHEEN" OVER NORTH OMAN AND ADJOINING UNITED ARAB EMIRATES (UAE) BASED ON 0000 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
AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ \geq 64 KT (\geq 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
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM “SHAHEEN” OVER NORTH OMAN AND ADJOINING UNITED ARAB EMIRATES (UAE) BASED ON 0000 UTC OF 4th OCTOBER, 2021



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IST=UTC + 0530

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— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

AREA OF MAXIMUM SUSTAINED WIND SPEED:

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PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION):NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%
This is a guidance Bulletin for the WMO/ESCAP Panel Member countries,. Please visit respective National websites for Country specific Bulletins

