



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

BULLETIN NO. 2 (ARB/01/2023)

TIME OF ISSUE:1250 HOURS IST

DATED: 06.06.2023

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Sub: Depression over Southeast Arabian Sea

The depression over southeast Arabian Sea moved nearly northwards with a speed of 11 kmph during last 3 hours and lay centered at 0830 hours IST of today, the 06th June, 2023 over the same region near latitude 11.5°N and longitude 66.0°E, about 950 km west-southwest of Goa, 1100 km southwest of Mumbai, 1190 km south-southwest of Porbandar and 1490 km south of Karachi.

It is likely to move nearly northwards and intensify into a cyclonic storm over Eastcentral Arabian Sea & adjoining southeast during next 12 hours.

Forecast track and intensity are given below:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
06.06.23/0830	11.5/66.0	45-55 gusting to 65	Depression
06.06.23/1730	12.0/65.9	60-70 gusting to 80	Cyclonic Storm
07.06.23/0530	12.7/65.8	70-80 gusting to 90	Cyclonic Storm
07.06.23/1730	13.2/65.7	80-90 gusting to 100	Cyclonic Storm
08.06.23/0530	13.9/65.6	90-100 gusting to 110	Severe Cyclonic Storm
08.06.23/1730	14.4/65.5	95-105 gusting to 115	Severe Cyclonic Storm
09.06.23/0530	15.1/65.4	105-115 gusting to 125	Severe Cyclonic Storm
09.06.23/1730	15.7/65.3	115-125 gusting to 140	Very Severe Cyclonic Storm
10.06.23/0530	16.4/65.2	125-135 gusting to 150	Very Severe Cyclonic Storm
10.06.23/1730	17.3/65.1	135-145 gusting to 160	Very Severe Cyclonic Storm

11.06.23/0530	18.2/65.0	145-155 gusting to 170	Very Severe Cyclonic Storm
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(i) Wind warning:

6th June: Squally wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing over southeast & adjoining east central Arabian Sea and it is likely to become Gale wind speed reaching 60-70 kmph gusting to 80 kmph from evening of today over Eastcentral Arabian Sea & adjoining southeast Arabian Sea.

Squally wind speed reaching 35-45 kmph gusting to 55 kmph is likely over adjoining areas of southwest & westcentral Arabian Sea and along & off Kerala-Karnataka-Goa coasts, Lakshadweep-Maldives areas.

7th June: Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over eastcentral Arabian Sea and adjoining areas of southeast Arabian. It is likely to become 80-90 kmph gusting to 100 kmph from evening of 7th June over the same area

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining areas of westcentral & south Arabian Sea and along & off north Kerala-Karnataka-Goa coasts.

8th June: Gale wind speed reaching 90-100 kmph gusting to 110 kmph is likely to prevail over east central Arabian Sea and adjoining areas of westcentral & south Arabian and it is likely to become 95-105 kmph gusting to 115 kmph from evening of 8th June over the same area.

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along & off Karnataka-Goa-Maharashtra coasts.

9th June: Gale wind speed reaching 105-115 kmph gusting to 125 kmph is likely to prevail over eastcentral & adjoining westcentral Arabian Sea and it is likely to become 125-135 kmph gusting to 150 kmph from evening of 9th June over the same area. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely over adjoining areas of South Arabian Sea.

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along & off Karnataka-Goa- Maharashtra coasts.

10th June: Gale wind speed reaching 125-135 kmph gusting to 150 kmph is likely to prevail over eastcentral & adjoining areas of westcentral Arabian Sea.

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining areas of south Arabian Sea and along & off north Karnataka-Goa-Maharashtra coasts.

(iii) Sea condition

6th June: Sea condition is likely to be rough to very rough over southeast & adjoining eastcentral Arabian Sea and it is likely to become very rough to high from evening of today over Eastcentral Arabian Sea & adjoining south Arabian Sea.

Sea condition is likely to be rough over adjoining areas of southwest Arabian Sea, along & off Kerala-Karnataka-Goa coasts, Lakshadweep-Maldives areas.

7th June: Sea condition is likely to be high over eastcentral Arabian Sea and adjoining southeast Arabian and it is likely to become high to very high from evening of 7th June over the same area.

Sea condition is likely to be rough over south Arabian Sea, along & off north Kerala-Karnataka-Goa coasts, Lakshadweep-Maldives areas.

8th June:

Sea condition is likely to be high to very high over eastcentral & adjoining westcentral Arabian Sea and adjoining south Arabian and it is likely to become very high from evening of 8th June over Eastcentral & adjoining southeast Arabian Sea.

Sea condition is likely to be rough over southwest Arabian Sea, along & off Karnataka-Goa-Maharashtra coasts.

9th June: Sea condition is likely to be very high to phenomenal over eastcentral & adjoining westcentral Arabian Sea and it is likely to become phenomenal from evening of 9th June over the same area. Sea condition is likely to be rough over adjoining areas of South Arabian Sea and along & off Karnataka-Goa- Maharashtra coasts.

10th June: Sea condition is likely to be very high to phenomenal over eastcentral & adjoining westcentral Arabian Sea and it is likely to become phenomenal from evening of 9th June over the same area. Sea condition is likely to be rough over adjoining areas of South Arabian Sea and along & off Karnataka-Goa- Maharashtra coasts.

(iv) Fishermen Warning (Graphics Attached)

Fishermen are advised not to venture into:

- (i) Southeast and adjoining central & southwest Arabian Sea on 6th June
- (ii) Eastcentral and adjoining areas of westcentral & south Arabian Sea during 7th-9th June
- (iii) Eastcentral and adjoining areas of westcentral Arabian Sea on 10th June.
- (iv) Along & off along & off Kerala-Karnataka coasts, Lakshadweep-Maldives areas during 6th and 7th and along & off Konkan-Goa- Maharashtra coasts during 8th-10th June.
- (v) Those out at sea are advised to return to coast by today afternoon.

The system is under continuous surveillance and the next message will be issued at 1430 hours IST of today, the 6TH June, 2022.

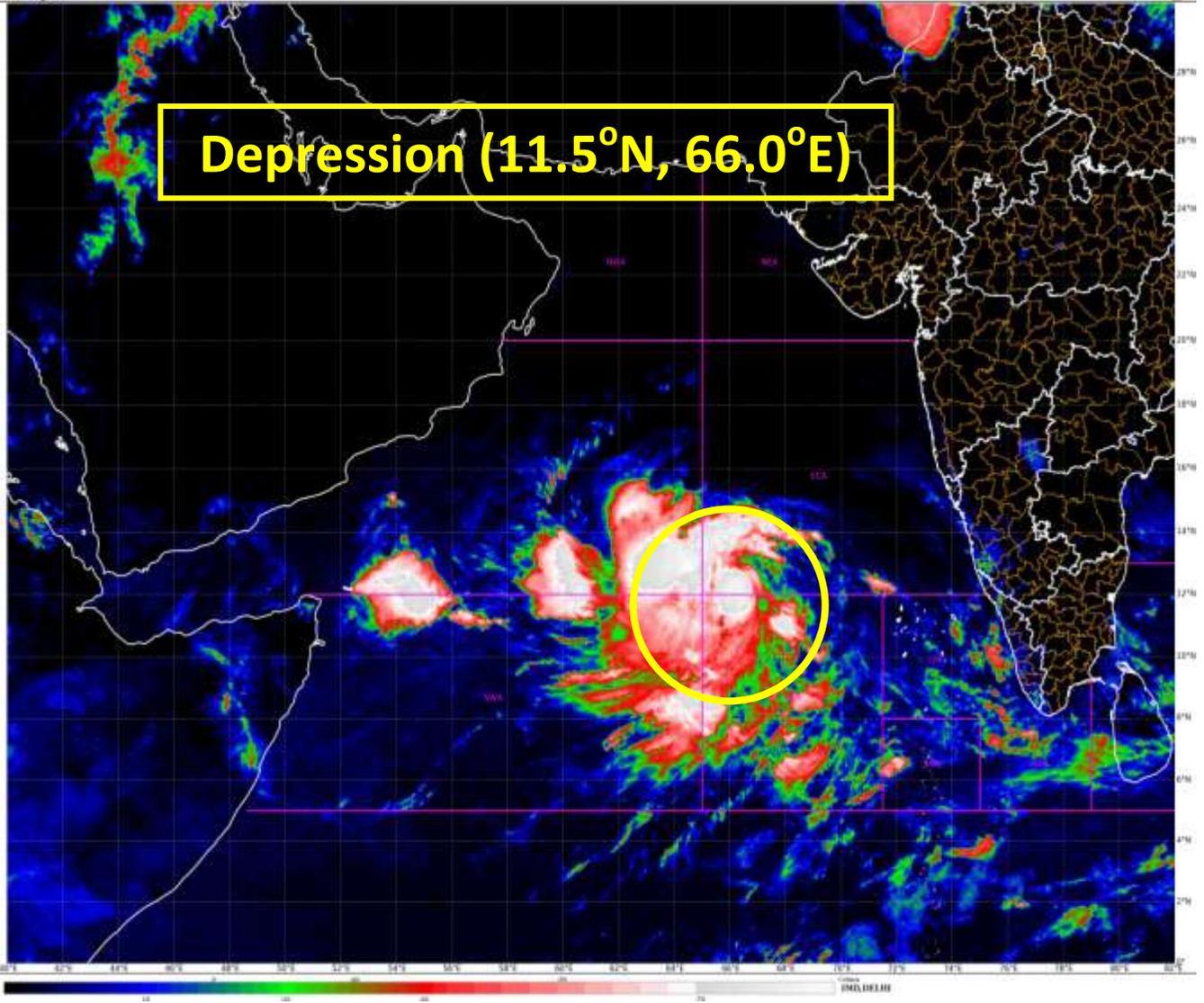
(Ananda Kumar Das)
Scientist F, Cyclone Warning Division, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/CWC Ahmedabad/ MO Port Blair/MC Raipur/MC Bhopal/MC Hyderabad/RMC Nagpur

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total

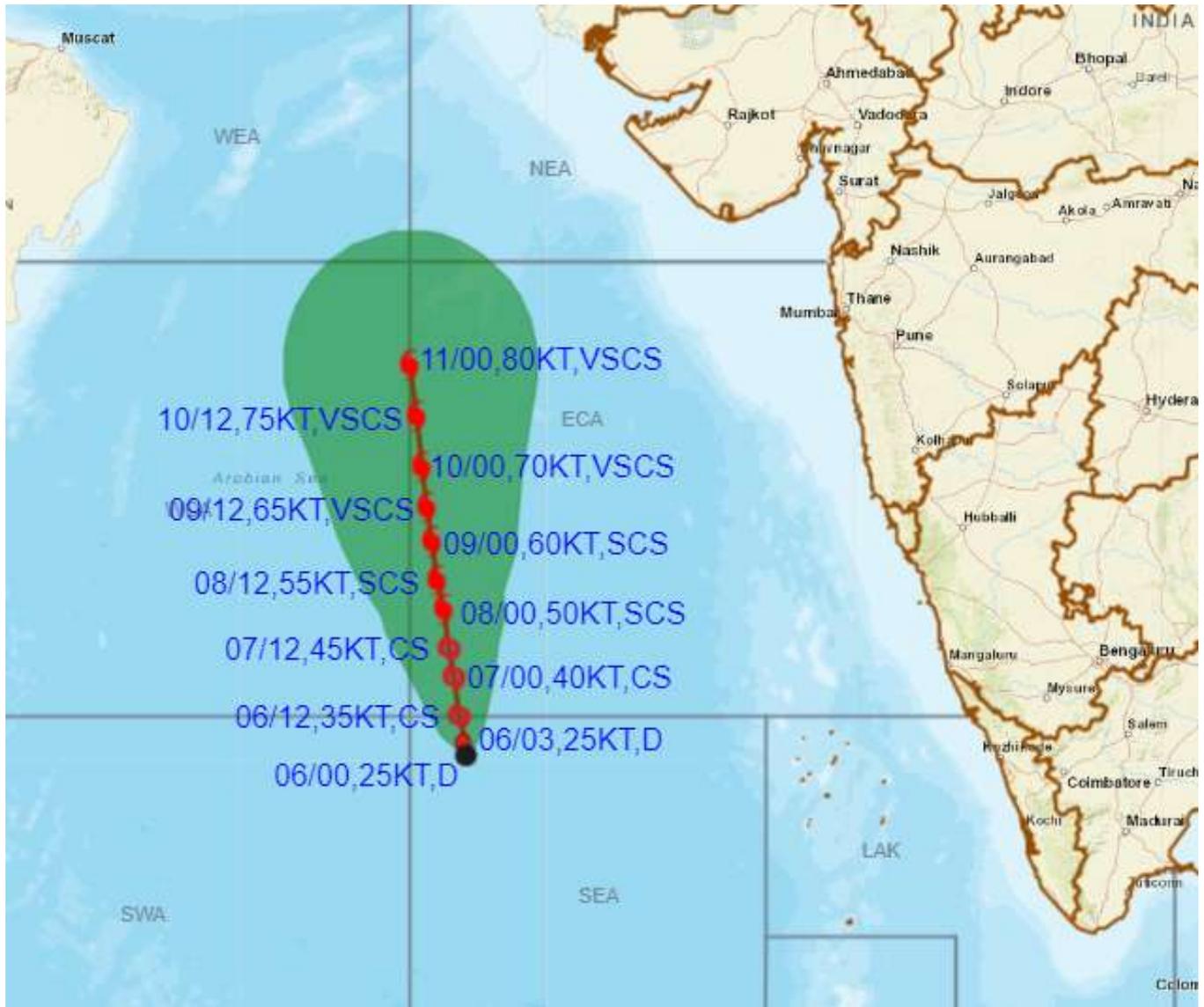


Depression (11.5°N, 66.0°E)





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHEAST ARABIAN SEA BASED ON 0300 UTC (0830 IST) OF 06TH JUNE 2023.



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

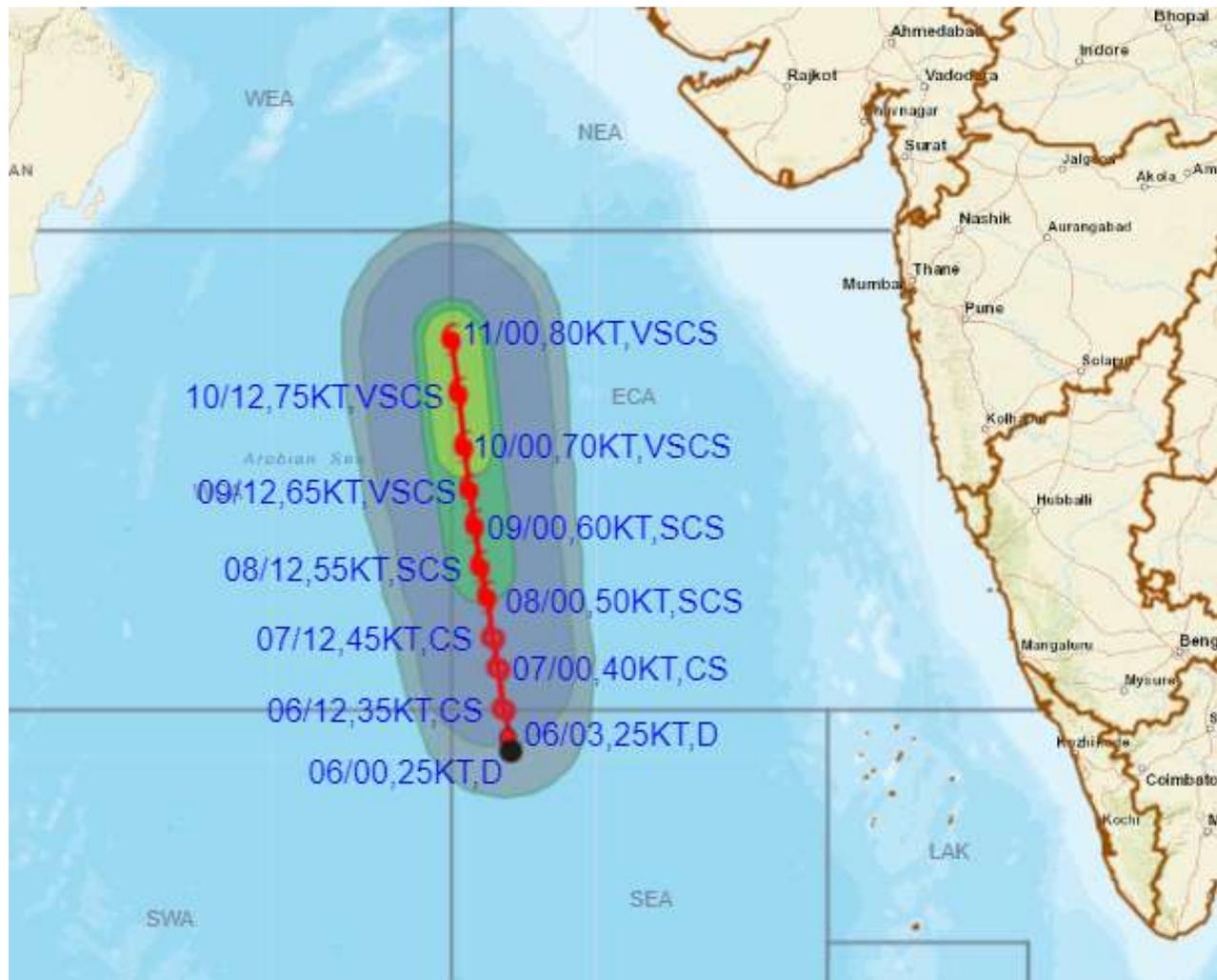
■ OBSERVED TRACK

■ FORECAST TRACK

▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHEAST ARABIAN SEA BASED ON 0300 UTC (0830 IST) OF 06TH JUNE 2023.



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

Fishermen warning graphics

