



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

BULLETIN NO. 1 (ARB/01/2023)

TIME OF ISSUE:1030 HOURS IST

DATED: 06.06.2023

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

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Sub: Depression has formed over Southeast Arabian Sea

Latest observations indicate that a depression has formed over southeast Arabian Sea and lay centered at 0530 hours IST of today, the 06th June, 2023 near latitude 11.3°N and longitude 66.0°E, about 920 km west-southwest of Goa, 1120 km south-southwest of Mumbai, 1160 km south of Porbander and 1520 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 24 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
06.06.23/0530	11.3/66.0	45-55 gusting to 65	Depression
06.06.23/1730	11.6/65.9	55-65 gusting to 75	Deep Depression
07.06.23/0530	12.0/65.8	60-70 gusting to 80	Cyclonic Storm
07.06.23/1730	12.7/65.7	70-80 gusting to 90	Cyclonic Storm
08.06.23/0530	13.2/65.6	80-90 gusting to 100	Cyclonic Storm
08.06.23/1730	13.9/65.5	90-100 gusting to 110	Severe Cyclonic Storm
09.06.23/0530	14.4/65.4	95-105 gusting to 115	Severe Cyclonic Storm
09.06.23/1730	15.1/65.3	105-110 gusting to 125	Severe Cyclonic Storm
10.06.23/0530	15.7/65.2	115-125 gusting to 140	Severe Cyclonic Storm
10.06.23/1730	16.4/65.1	115-125 gusting to 140	Very Severe Cyclonic Storm
11.06.23/0530	17.3/65.0	125-135 gusting to 150	Very Severe Cyclonic Storm

(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 night 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 65-75 kmph gusting to 85 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 100kmph from night 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 80-90 kmph gusting to 100 kmph is likely to prevail over east central Arabian Sea and adjoining areas of westcentral & south Arabian and it is likely to become 90-100 kmph gusting to 110kmph from night 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 95-105 kmph gusting to 115 kmph is likely to prevail over eastcentral & adjoining westcentral Arabian Sea and it is likely to become 115-125 kmph gusting to 140kmph from night 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 115-125 kmph gusting to 140 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 night 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 night 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 night 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 night 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 night 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

Fishermen are advised not to venture into:

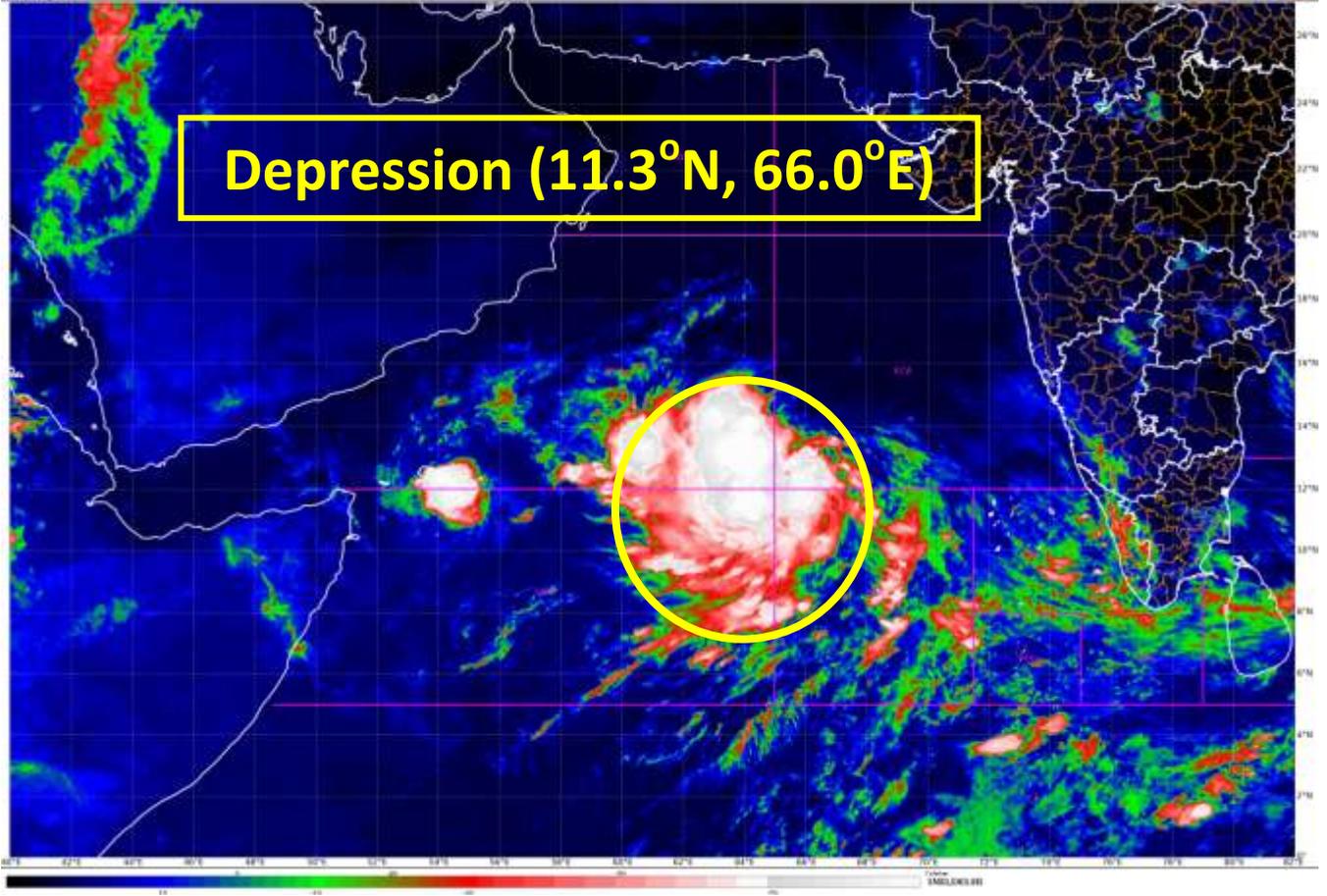
- (i) Southeast and adjoining central & southwest Arabian Sea on 6th June
- (ii) Eastcentral and adjoining areas of westcentral & south Arabian Sea during 7th-9th June
- (iii) Eastcentral and adjoining areas of westcentral Arabian Sea on 10th June.
- (iv) Along & off along & off Kerala-Karnataka coasts, Lakshadweep-Maldives areas during 6th & 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 1130 hours IST of today, the 6TH June, 2022.

(R K Jenamani)
Scientist G, Cyclone Warning, New Delhi

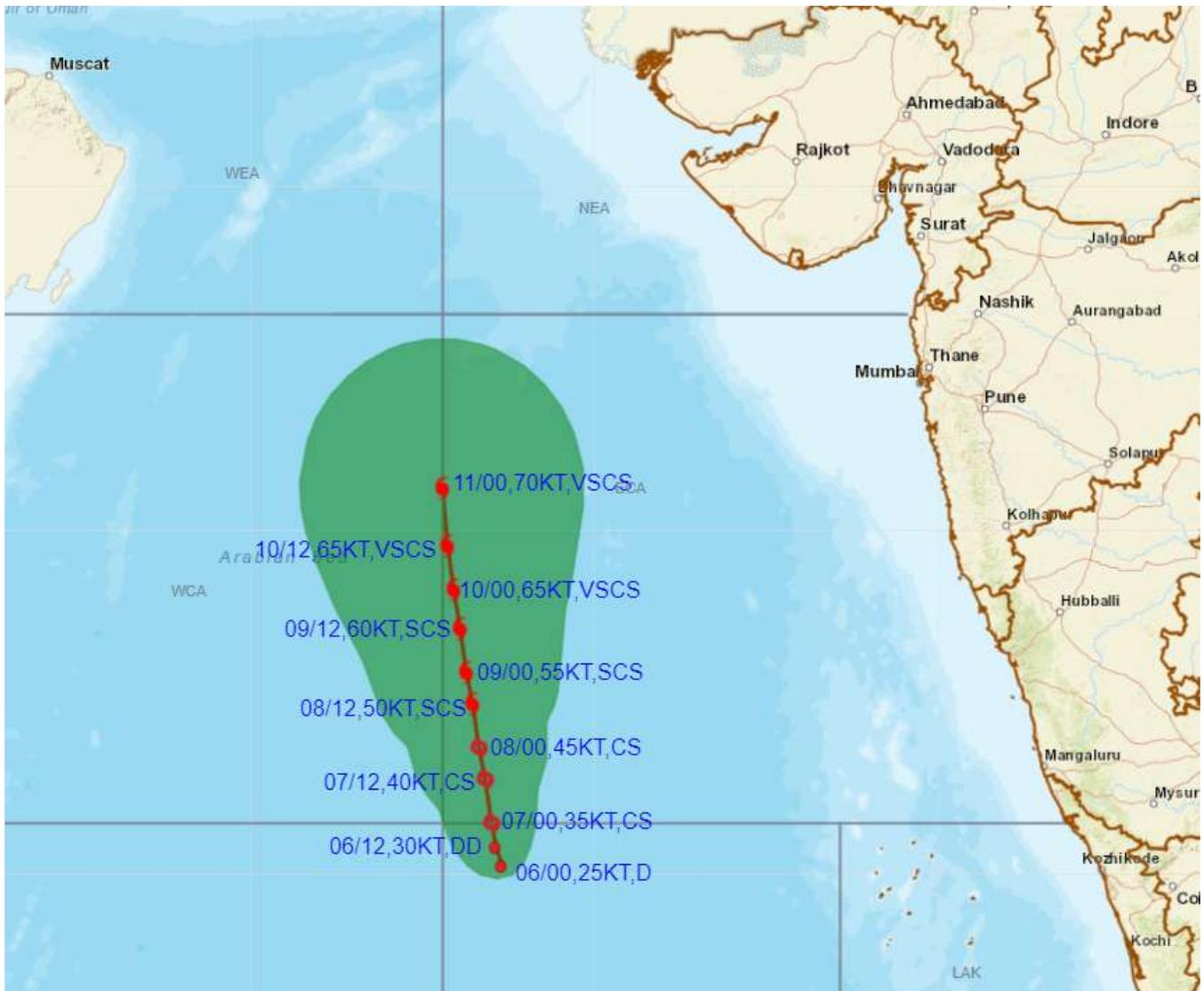
Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/CWC Ahmedabad/ MO Port Blair/MC Raipur/MC Bhopal/MC Hyderabad/RMC Nagpur

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





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHEAST ARABIAN SEA BASED ON 0000 UTC (0530 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