



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

BULLETIN NO. 4 (ARB/01/2022)

TIME OF ISSUE: 0145 HOURS IST

DATED: 17.07.2022

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

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Sub: Depression over Northeast Arabian Sea off Saurashtra coast

The depression over Northeast Arabian Sea off Saurashtra coast moved north-northwestwards during last 6 hours with a speed of 9 kmph and lay centered at 2330 hours IST of 16th July, 2022 over the same region near latitude 22.6°N and longitude 68.7°E, about 140 km northwest of Porbandar (Gujarat), 40 km north-northwest of Okha (Gujarat), 80 km south-west of Naliya (Gujarat) and 300 km south-southeast of Karachi (Pakistan).

It is very likely to move north-northwestwards along & off Saurashtra & Kutch coasts and adjoining northeast Arabian Sea during next 06 hours. Thereafter, it is likely to recurve and move nearly westwards towards Oman coast across northwest Arabian Sea during subsequent 48 hours.

Warnings:

(i) Rainfall (warning graphics enclosed)

17th July: Light to moderate rainfall at many places very likely over Saurashtra & Kutch. Thereafter, there will be no adverse impact of this system on rainfall over the state.

(ii) Wind warning

17th July: Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph very likely along & off Gujarat Coasts till evening of today, the 17th July. Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph very likely over northeast and adjoining northwest Arabian Sea. Strong winds with speed reaching 45-55 kmph gusting to 65 kmph very likely over westcentral and adjoining southwest

Arabian Sea. Strong winds with speed reaching 40-50 kmph gusting to 60 kmph very likely over eastcentral and adjoining south Arabian Sea.

18th July: Squally weather with wind speed reaching 40-50 kmph gusting to 70 kmph very likely over northwest Arabian Sea. Strong winds with speed reaching 45-55 kmph gusting to 65 kmph very likely over westcentral Arabian Sea.

(iii) Sea condition

17th July: Sea condition is very likely to become rough to very rough along & off Gujarat coast till evening of today, the 17th July; over northeast and adjoining northwest Arabian Sea and over central & adjoining south Arabian Sea.

18th July: Sea condition is very likely to become rough to very rough over northwest Arabian Sea and over westcentral Arabian Sea.

(iv) Fishermen Warning

17th July: Fishermen are advised not to venture along & off Gujarat coast till evening of today, the 17th July; into northeast Arabian Sea and central & adjoining south Arabian Sea.

18th July: Fishermen are advised not to venture into northwest Arabian Sea and westcentral Arabian Sea.

The system is under continuous surveillance and the next message will be issued at 0830 hours IST of 17th July, 2022.

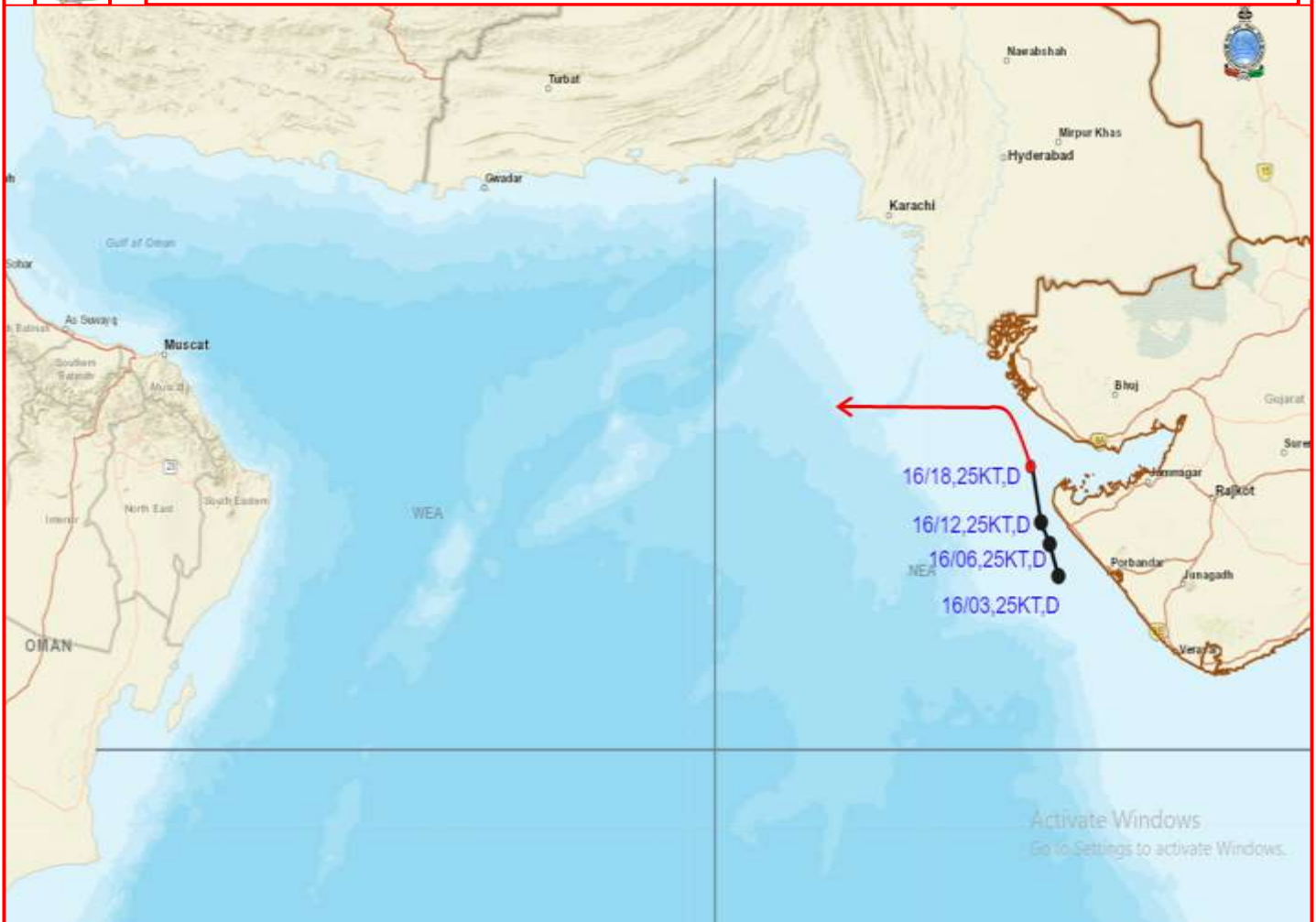
**(Shashi Kant)
Scientist, RSMC, New Delhi**

Copy to: ACWC Mumbai/ ACWC Chennai/ CWC Ahmedabad/CWCThiruvananthapuram/Mc Goa/MC Bengalurur

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 OF DEPRESSION OVER NORTHEAST ARABIAN SEA OFF SAURASHTRA COAST BASED ON 1800 UTC OF 16th JULY 2022



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

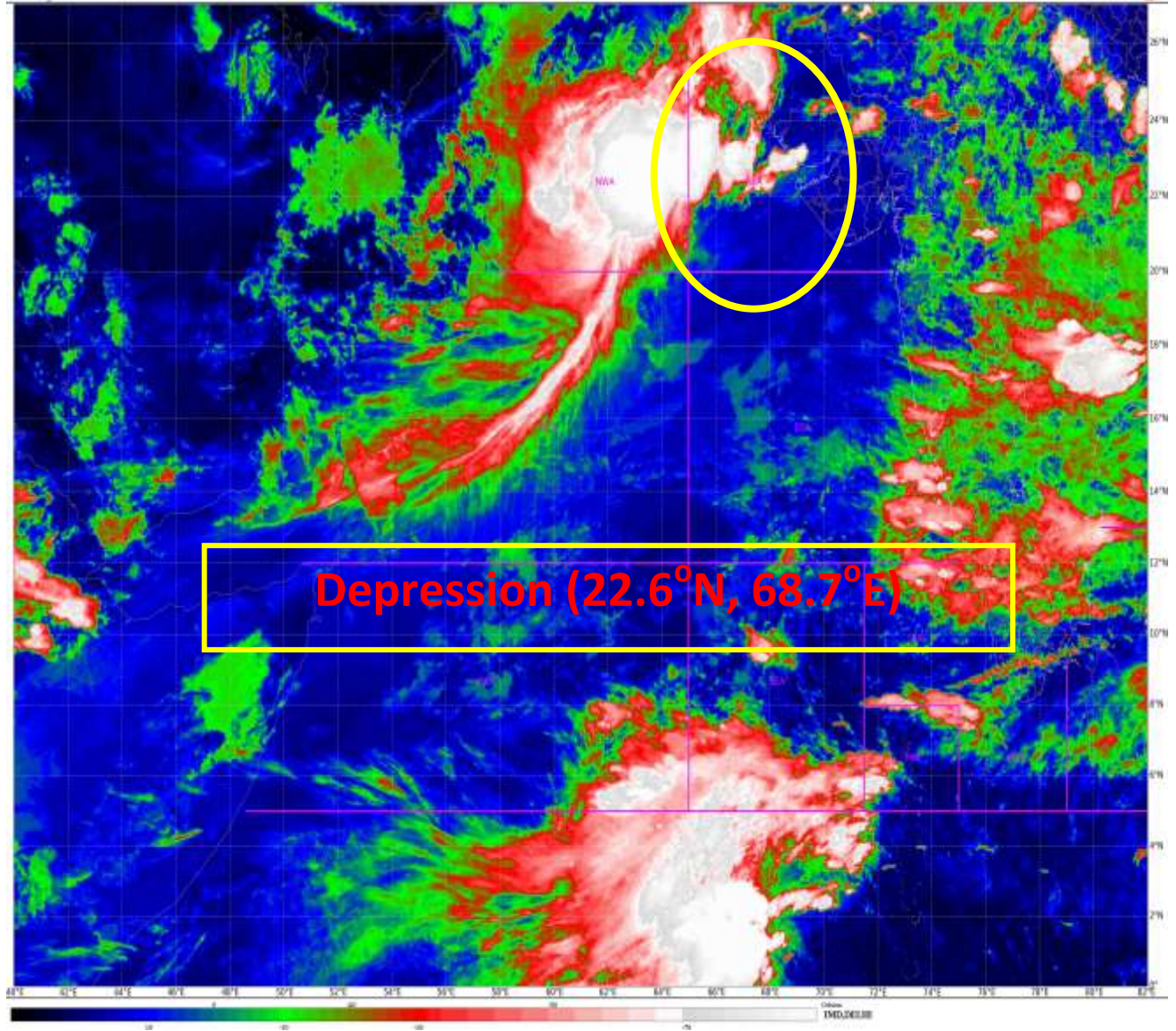
⊙ 34-47 KT

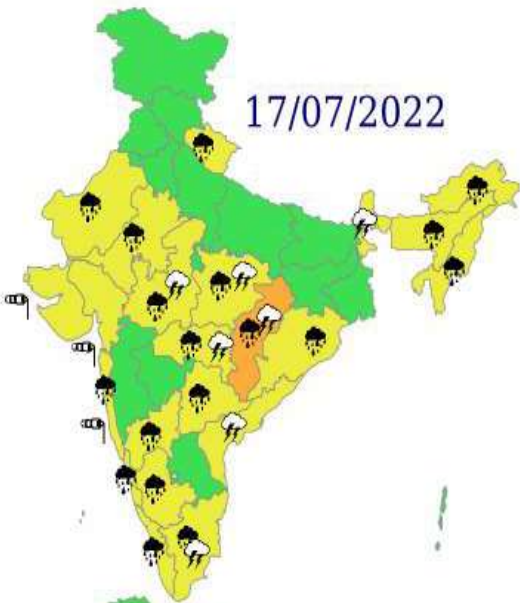
⊙ \geq 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY





Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



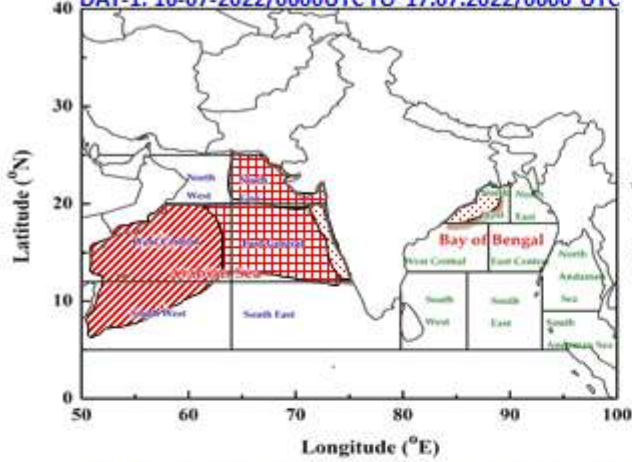
Heat Wave



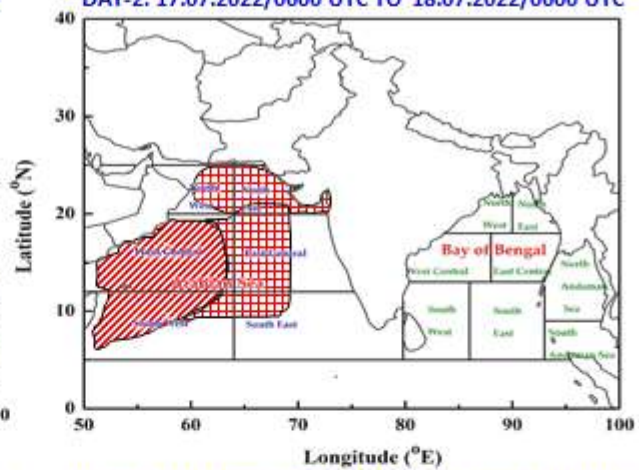
Sea State

INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

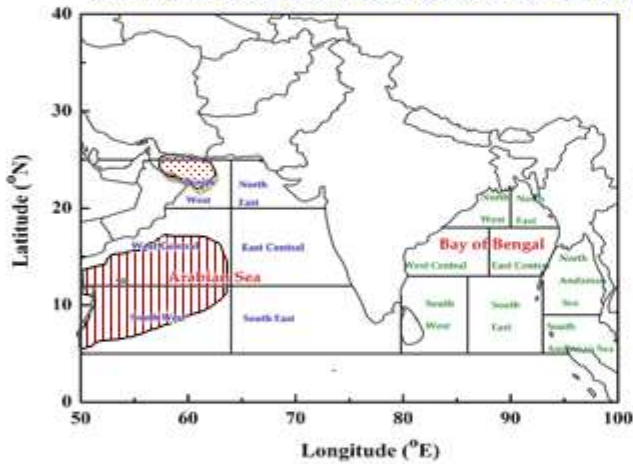
DAY-1: 16-07-2022/0600 UTC TO 17.07.2022/0600 UTC



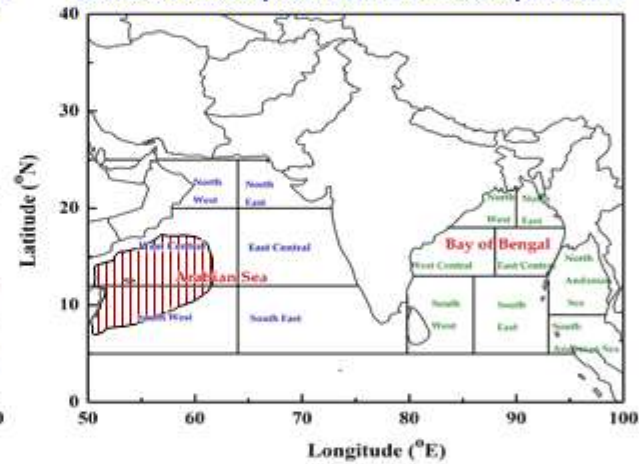
DAY-2: 17.07.2022/0600 UTC TO 18.07.2022/0600 UTC



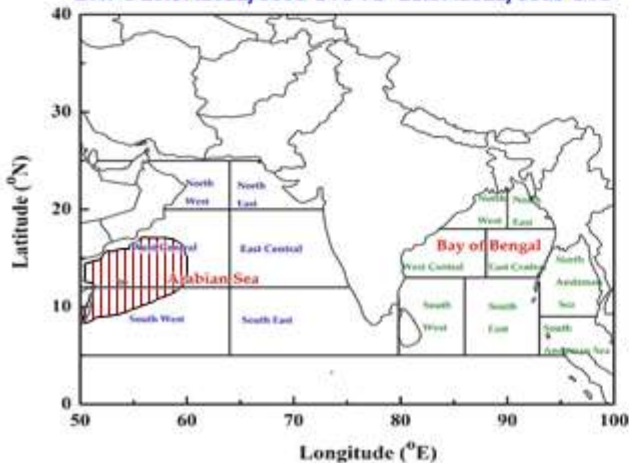
DAY-3: 18.07.2022/0600 UTC TO 19.07.2022/0600 UTC



DAY-4: 19.07.2022/0600 UTC TO 20.07.2022/0600 UTC



DAY-5 20.07.2022/0600 UTC TO 21.07.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH (STRONG WIND)
- 45-55 KMPH GUSTING TO 65 KMPH (SQUALLY WEATHER)
- 50-60 KMPH GUSTING TO 70 KMPH (STRONG WIND)