



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

**BULLETIN NO. 4 (ARB/02/2022)**

**TIME OF ISSUE:0130 HOURS IST**

**DATED: 13.08.2022**

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**Sub: (A) Depression over northeast and adjoining northwest Arabian Sea and  
(B) Likely formation of depression over northwest Bay of Bengal around 14<sup>th</sup> August**

**(A) Depression over northeast and adjoining northwest Arabian Sea**

The depression over northeast Arabian Sea moved nearly westwards with a speed of 12 kmph during past 6 hours and lay centered at 2230 hours IST of the 12th August, 2022 over northeast and adjoining northwest Arabian Sea near latitude 22.3°N and longitude 64.5°E, about 460 km west southwest of Naliya (Gujarat), 540 km west northwest of Porbandar (Gujarat), 390 km southwest of Karachi (Pakistan) and 510 km southeast of Chahbahar (Iran).

It is very likely to move nearly westwards for some more time and then move northwestwards till 13th August evening. Then it is likely to recurve gradually north-northeastwards. It is likely to maintain its intensity for next 12 hrs and then weaken gradually.

## **Warnings:**

### **(i) Wind warning:**

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely over northwest & adjoining northeast and central Arabian Sea on 13<sup>th</sup> August. The wind speed would decrease gradually becoming 40-50 kmph gusting to 60 kmph over the same region on 14<sup>th</sup>.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely along & off Gujarat, Maharashtra and Karnataka coasts on 13<sup>th</sup> August.

### **(ii) Sea condition**

Sea condition is likely to be rough to very rough over northwest & adjoining northeast Arabian Sea, central Arabian Sea and along & off Gujarat, Maharashtra and Karnataka coasts during 13<sup>th</sup> & 14<sup>th</sup> August.

### **(iii) Fishermen Warning**

Fishermen are advised not to venture into north & central Arabian Sea and along & off Gujarat and Maharashtra coasts during 13<sup>th</sup> to 14<sup>th</sup> August.

## **(B) Likely formation of depression over northwest Bay of Bengal around 14<sup>th</sup> August**

A cyclonic circulation lies over west Myanmar and neighbourhood. Under its influence, a low pressure area is likely to form over north Bay of Bengal around 13<sup>th</sup> August, 2022. It is likely to become more marked during subsequent 24 hours and move west-northwestwards thereafter.

Under its influence, rainfall activity would increase over Gangetic West Bengal and Odisha on 13<sup>th</sup> and 14<sup>th</sup> August.

**The system is under continuous surveillance and the next message will be issued at 0830 hours IST of 13<sup>th</sup> August, 2022.**

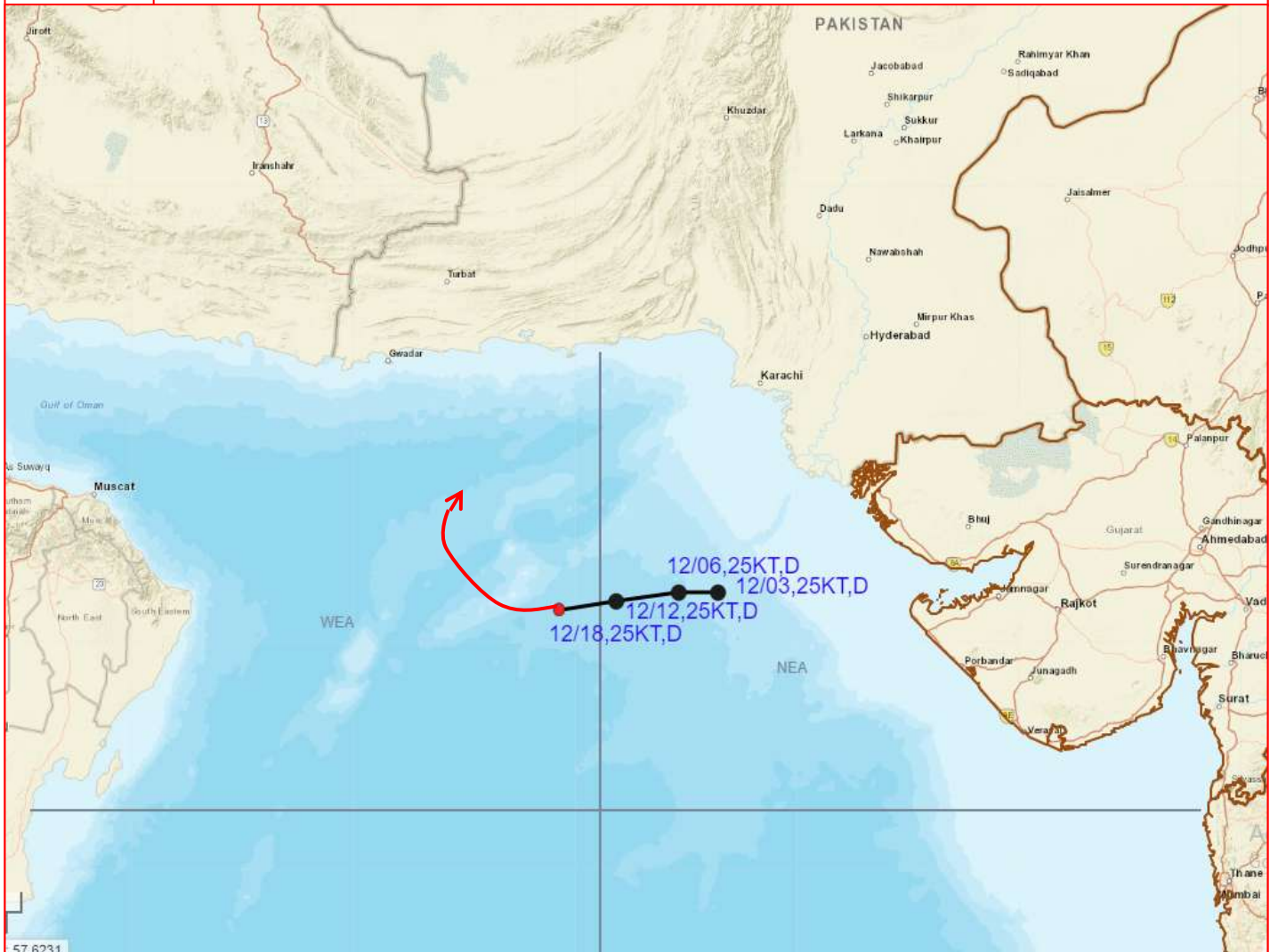
**(Arulalan T.)  
Scientist C, Cyclone Warning, New Delhi**

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**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 NORTHWEST ARABIAN SEA BASED ON 1800 UTC OF 12<sup>th</sup> AUGUST, 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



**DEPRESSION**  
**22.3 N/64.5E**

