



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

BULLETIN NO. 7 (ARB/02/2022)

TIME OF ISSUE:1430 HOURS IST

DATED: 13.08.2022

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Sub: (A) Depression over northwest Arabian Sea

(B) Likely formation of depression over northwest Bay of Bengal around 14th August

(A) Depression over northwest Arabian Sea

The depression over northwest Arabian Sea moved slowly west-southwestwards with a speed of 07 kmph during past 6 hours and lay centered at 1130 hours IST of today, the 13th August, 2022, over the same region near latitude 22.0°N and longitude 63.4°E, about 580 km west-southwest of Naliya (Gujarat), 660 km west of Porbandar (Gujarat), 500 km southwest of Karachi (Pakistan) and 460 km southeast of Chahbahar (Iran).

It is very likely to move northwestwards and weaken into a well marked low pressure area during next 06 hours. Thereafter, the remnant well marked low pressure area is likely to recurve north-northeastwards and weaken further 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 today 13th August. The wind speed would decrease gradually becoming 40-50 kmph gusting to 60 kmph over the same region on 14th.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely along & off Gujarat, Maharashtra and Karnataka coasts today on 13th 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 today on 13th & then on 14th August.

(iii) Fishermen Warning

Fishermen are advised not to venture into north & central Arabian Sea and along & off Gujarat and Maharashtra coasts on 13th and 14th August.

(B) Likely formation of depression over northwest Bay of Bengal around 14th August

A low pressure area has formed over north Bay of Bengal at 0830 hours IST of today, the 13th August. It is likely to move west-northwestwards, become well marked during next 12 hours and concentrate into a depression during subsequent 24 hours.

Warnings:

(i) Rainfall:

Odisha: Rainfall at most places with heavy to extremely heavy rainfall at isolated places very likely on 13th August and heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places very likely on 14th August. The intensity of rainfall would decrease on 15th August with isolated heavy rainfall over western Odisha.

Gangetic West Bengal: Rainfall at most places with heavy rainfall at isolated places likely over coastal districts on 13th and 14th August.

Jharkhand: Rainfall at most places with heavy rainfall at isolated places likely over South Jharkhand on 13th and 14th August.

Chattisgarh: Rainfall at most places with heavy to very heavy rainfall at isolated places on 13th and 15th August and heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places on 14th August.

East Madhya Pradesh: Rainfall at most places with heavy to very heavy rainfall at a few places & extremely heavy rainfall at isolated places on 14th August and isolated heavy to very heavy rainfall on 15th August.

(ii) Wind:

Squally wind speed 45-55 kmph gusting to 65 kmph is very likely over north and adjoining central Bay of Bengal and along & off Bangladesh, West Bengal, Odisha and adjoining North Andhra Pradesh coasts on 13th and 14th August.

(iii) Sea condition

Sea condition is likely to be rough to very rough over north and adjoining central Bay of Bengal and along & off Bangladesh, West Bengal, Odisha and adjoining North Andhra Pradesh coasts on 13th and 14th August.

(iii) Fishermen Warning

Fishermen are advised not to venture into north and adjoining central Bay of Bengal and along & off Bangladesh, West Bengal, Odisha and adjoining North Andhra Pradesh coasts on 13th and 14th August.

Both the systems are under continuous surveillance and the next message will be issued at 2030 hours IST of today, the 13th August, 2022.

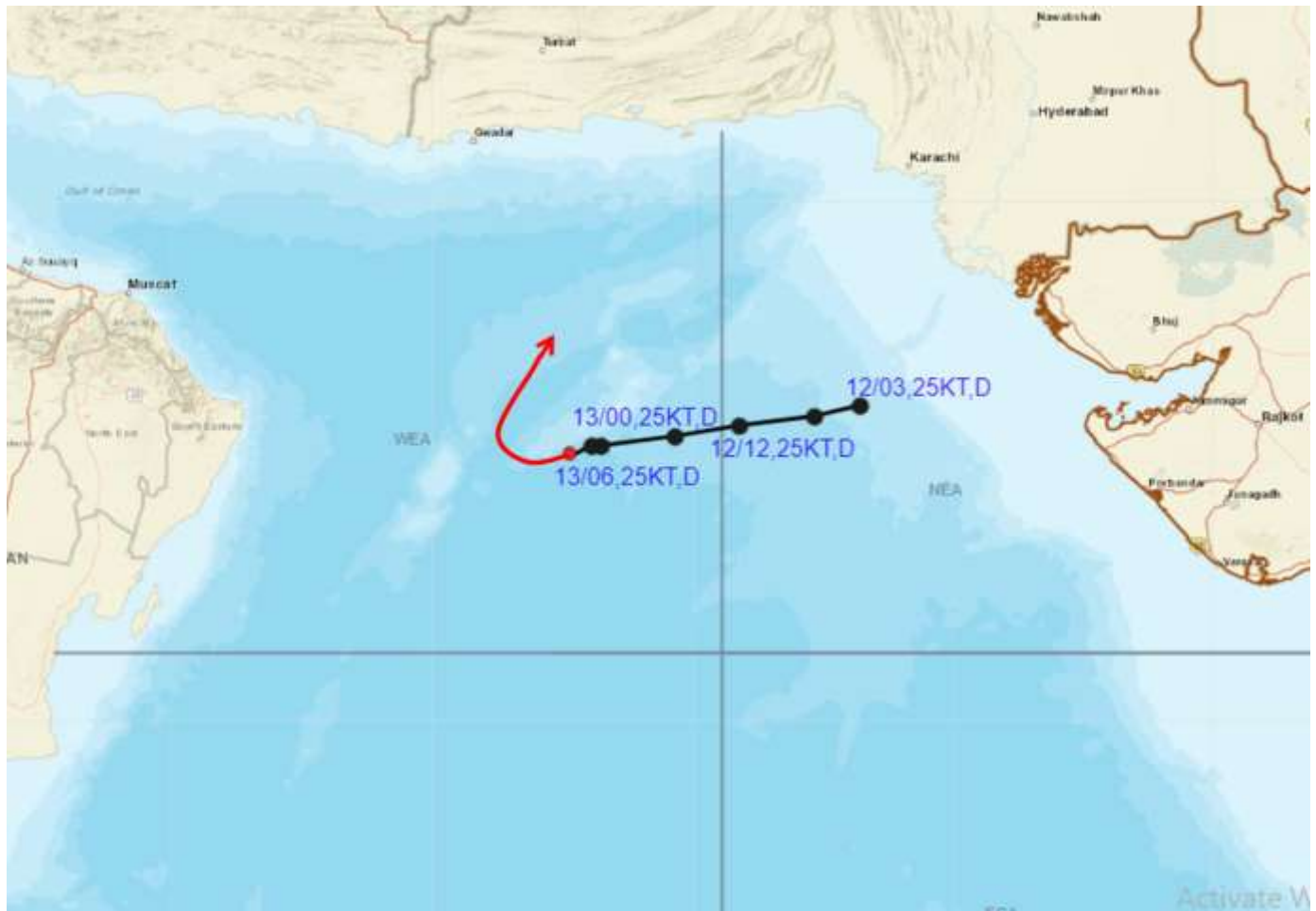
**(M. Sharma)
Scientist D, Cyclone Warning, New Delhi**

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







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 0600 UTC OF 13th AUGUST, 2022

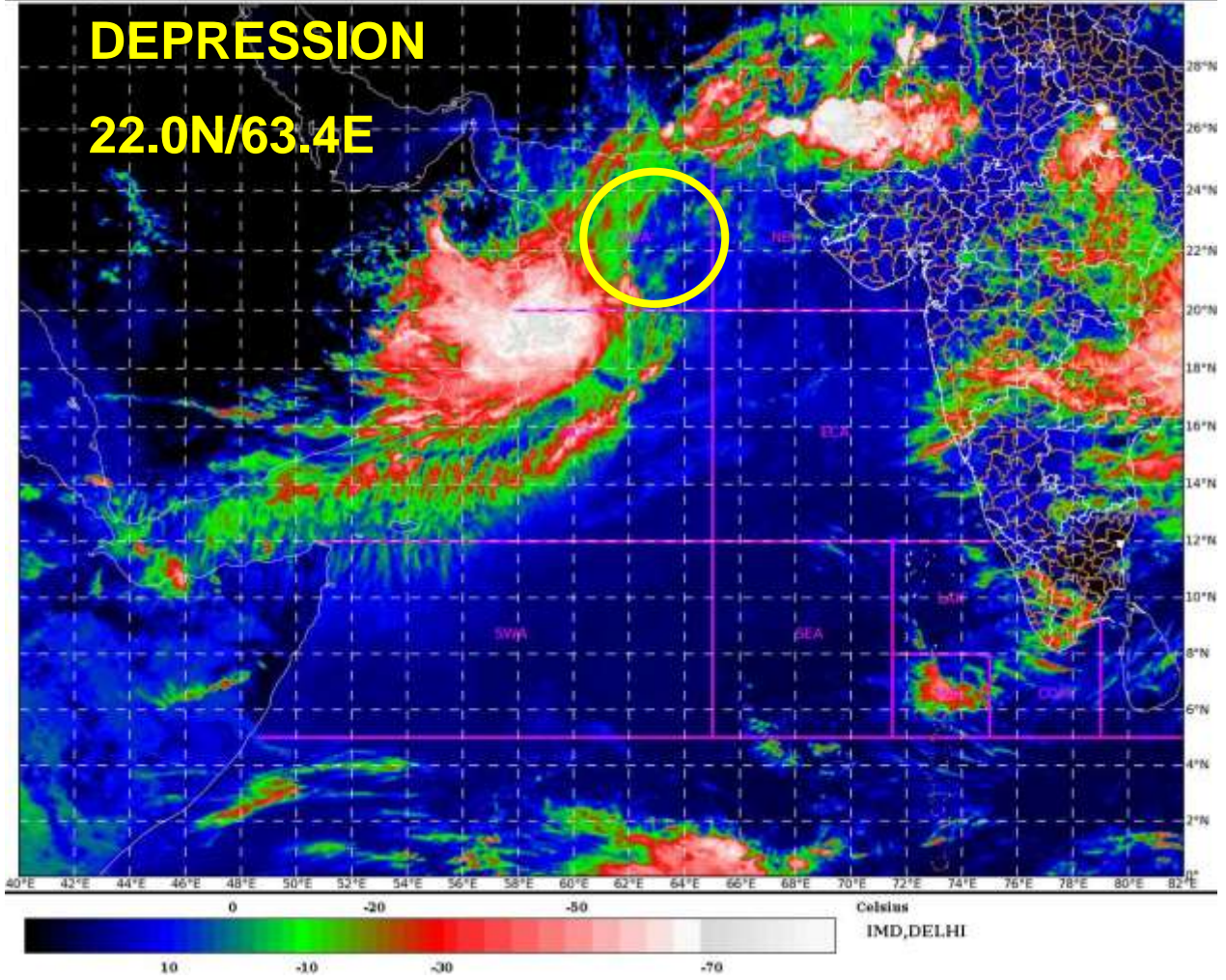


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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

SAT : INSAT-3D IMG
IMG_TIR1_TEMP 10.8 um
ARABIAN SEA

13-08-2022(0800 to 0826) GMT
13-08-2022(1330 to 1356) IST

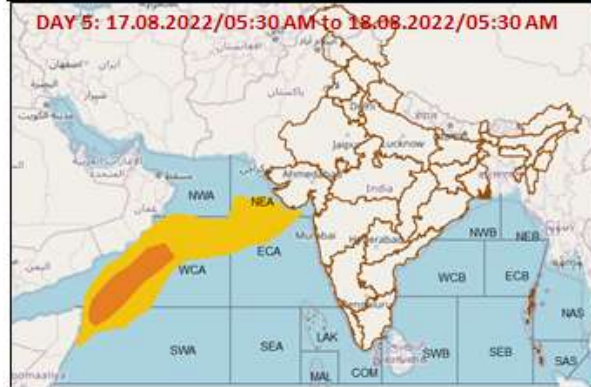
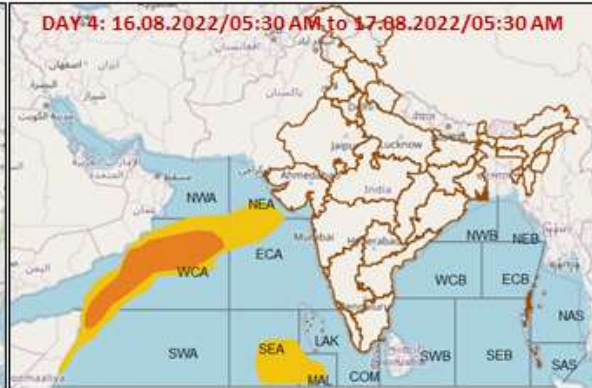
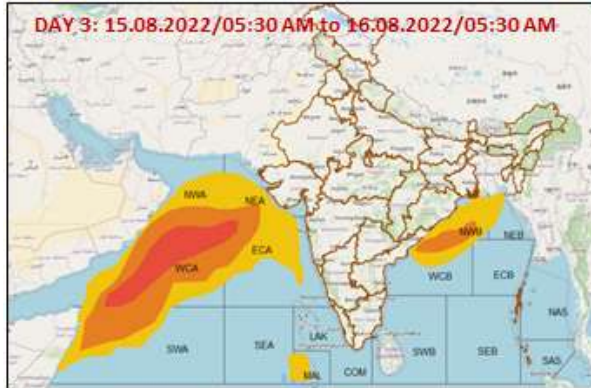
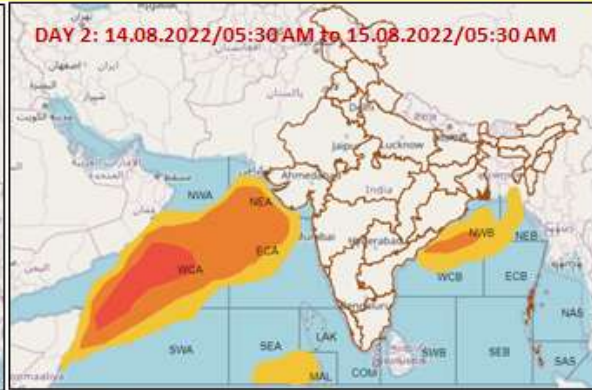
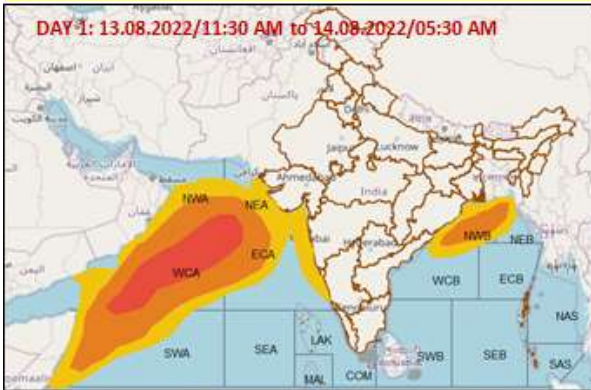


Fishermen Warning Graphics

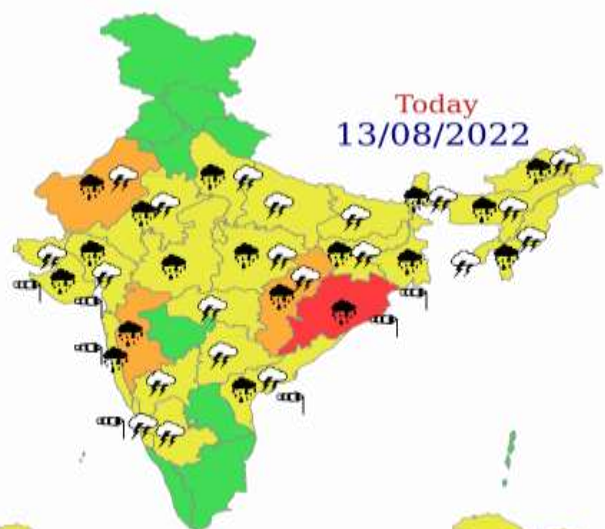


	Squally WX with wind speed 40-50 gusting to 60 kmph
	Squally WX with wind speed 45-55 gusting to 65 kmph
	Squally wind speed 45-55kmph gusting to 65 kmph
	Squally wind speed 50-60kmph gusting to 70 kmph

Probability of exceedance of maximum sustained winds ≥ 45 kmph



	Probability of exceedance
	Low (1-33%)
	Moderate (34-67%)
	High (68-100%)



WARNING

WARNING (TAKE ACTION)

ALERT (BE PREPARED)

WATCH (BE UPDATED)

NO WARNING (NO ACTION)



- | | | | |
|--------------|------------|--------------|--------------|
| Heavy Rain | Heavy Snow | Thunderstorm | Dust Storm |
| Strong Winds | Visibility | Cyclone | Squall/ Hail |
| Frost | Cold Wave | Heat Wave | Sea State |