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Sub: (A) Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) over Westcentral Arabian Sea and

(B) Deep Depression over Westcentral Bay of Bengal

(A) Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) over Westcentral Arabian Sea

The Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) over Westcentral Arabian Sea continued to move northwestwards with a speed of 13 kmph during past 6 hours and lay centered at 0230 hours IST of today, the 23rd October over Westcentral Arabian Sea, near latitude 14.1°N and longitude 53.6°E, about 170 km north-northwest of Socotra (Yemen), 330 km south of Salalah (Oman) and 270 km southeast of Al Ghaidah (Yemen).

It is very likely to continue to move northwestwards and cross Yemen coast close to Al-Ghaidah around early hours of 24th October as a *Very Severe Cyclonic Storm* with wind speed of 125-135 kmph gusting to 150 kmph.

Date/Time(IST)	Position (Lat. ⁰N/ long. ⁰E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
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23.10.23/0230	14.1/53.6	170-180 gusting to 200	Extremely Severe Cyclonic Storm
23.10.23/0530	14.5/53.3	165-175 gusting to 195	Extremely Severe Cyclonic Storm
23.10.23/1130	15.0/52.9	150-160 gusting to 175	Very Severe Cyclonic Storm
23.10.23/1730	15.5/52.5	135-145 gusting to 160	Very Severe Cyclonic Storm
23.10.23/2330	15.7/52.3	130-140 gusting to 155	Very Severe Cyclonic Storm
24.10.23/1130	16.2/51.8	80-90 gusting to 100	Cyclonic Storm
24.10.23/2330	16.6/51.2	40-50 gusting to 60	Depression
25.10.23/1130	17.0/50.6	25-35 gusting to 45	Well Marked Low

## Forecast track and intensity are given below:

## Warnings:

## (i) Wind warning (warning graphics enclosed):

## • Southwest Arabian Sea:

**Gale wind** speed reaching **140-150 kmph gusting to 160 kmph** is prevailing and is likely to decrease gradually becoming **Gale wind** speed reaching **80-90 kmph gusting to 100 kmph** by evening of 23rd and **Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** by early hours of 24th October. It would decrease gradually thereafter.

## • Westcentral Arabian Sea:

Gale wind speed reaching 170-180 kmph gusting to 200 kmph is prevailing and is likely to decrease gradually becoming Gale wind speed reaching 150-160 kmph gusting to 175 kmph by 23rd noon and 125-135 kmph gusting to 150 kmph by early hours of 24th October. It would decrease rapidly after the landfall becoming Squally wind speed reaching 40-50 kmph gusting to 60 kmph in the morning of 25th October.

## (ii) Sea Condition

## • Southwest Arabian Sea:

**Phenomenal** sea condition is prevailing and will continue till morning of 23rd October. It is likely to improve gradually becoming **high to very rough** till evening of 23rd, **very rough to rough** till evening of 24th October and would improve thereafter.

#### • Westcentral Arabian Sea:

**Phenomenal** sea condition is prevailing and will continue till night of 23rd October. It would improve gradually thereafter becoming **high to very rough** by early hours of 24th October. Thereafter, it would improve gradually.

## (iii) Fishermen Warning (Graphics attached):

Fishermen are advised not to venture into

- Southwest Arabian Sea till 24th October.
- Westcentral Arabian Sea till night of 24th October.

# (B) Deep Depression over Westcentral Bay of Bengal

The Deep Depression over Westcentral Bay of Bengal remained practically stationary during past 6 hours and lay centered at 0230 hours IST of today, the 22nd October over Westcentral Bay of Bengal, near latitude 16.4°N and longitude 86.4°E, about 430 km south of Paradip (Odisha), 590

km south-southwest of Digha (West Bengal) and 740 km south-southwest of Khepupara (Bangladesh).

It is likely to intensify into a *Cyclonic Storm* during next 18 hours. It is very likely to move nearly northwards till morning of 23rd October, then north-northeastwards and cross Bangladesh coast between Khepupara and Chittagong around 25th October evening as a *Deep Depression*.

Date/Time(IST)	Position (Lat. ⁰ N/ long. ⁰ E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
23.10.23/0230	16.4/86.4	50-60 gusting to 70	Deep Depression
23.10.23/0530	17.0/86.5	55-65 gusting to 75	Deep Depression
23.10.23/1130	17.7/86.6	55-65 gusting to 75	Deep Depression
23.10.23/1730	18.4/86.9	60-70 gusting to 80	Cyclonic Storm
23.10.23/2330	19.0/87.3	60-70 gusting to 80	Cyclonic Storm
24.10.23/1130	20.0/88.2	60-70 gusting to 80	Cyclonic Storm
24.10.23/2330	20.8/89.3	55-65 gusting to 75	Deep Depression
25.10.23/1130	21.5/90.1	50-60 gusting to 70	Deep Depression
25.10.23/2330	22.4/90.8	40-50 gusting to 60	Depression
26.10.23/1130	23.3/91.3	25-35 gusting to 45	Well Marked Low

Forecast track and intensity are given below:

# <u>Warnings:</u>

## (i) Rainfall Warning

**Nagaland, Manipur, Mizoram & Tripura:** Light to moderate rainfall at most places with isolated heavy rainfall is likely on 24th and 25th October.

**Coastal Districts of Odisha:** Light to moderate rainfall at a few places is likely on 23rd and at many places on 24th & 25th October.

**Coastal Districts of West Bengal:** Light to moderate rainfall at many places is likely on 24th and 25th October.

(ii) Wind warning (warning graphics enclosed):

- Westcentral Bay of Bengal: Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing and likely to increase becoming 55-65 kmph gusting to 75 kmph from evening 23rd till 24th October morning. It is likely to decrease gradually thereafter becoming squally wind speed reaching 40-50 kmph gusting 60 kmph by 24th evening.
- Adjoining eastcentral Bay of Bengal: Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail till morning of 23rd October and becoming 50-60 kmph gusting to 70 kmph on 24th and decrease from 25th onwards.

 North Bay of Bengal: Squally wind speed reaching 40-50 kmph gusting to 60 kmph prevailing over the region is likely to increase gradually becoming Gale wind speed reaching 60-70 kmph gusting to 80 kmph on 24th October.

• Along & off Odisha, West Bengal, Bangladesh and north Myanmar coasts:

**Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely from 23rd evening to 24th along & off Odisha coast. **Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely to commence along & off West Bengal, Bangladesh and North Myanmar coasts from 24th morning. It would gradually increase becoming **55-65 kmph gusting to 75 kmph** along & off Bangladesh coast, **50-60 kmph gusting to 70 kmph** along & off north Myanmar coast and **45-55 kmph gusting to 65** along & off west Bengal coast on 25th October.

(iii) Sea Condition

- Westcentral Bay of Bengal: Rough to very rough sea condition is prevailing and will continue till 25th October. It is likely to improve gradually thereafter.
- Adjoining eastcentral Bay of Bengal: Moderate to rough sea condition is prevailing and likely till 24th October. It is likely to improve gradually thereafter.
- North Bay of Bengal: Rough sea condition is likely on 23rd and becoming Very rough to High from 24th and very rough on 25th October.
- Along & off Odisha, West Bengal, Bangladesh and north Myanmar coasts: Rough sea condition is likely on 23rd and becoming rough to very rough sea condition from 24th to 25th October.

#### (iv) Fishermen Warning (Graphics attached):

Fishermen are advised not to venture into

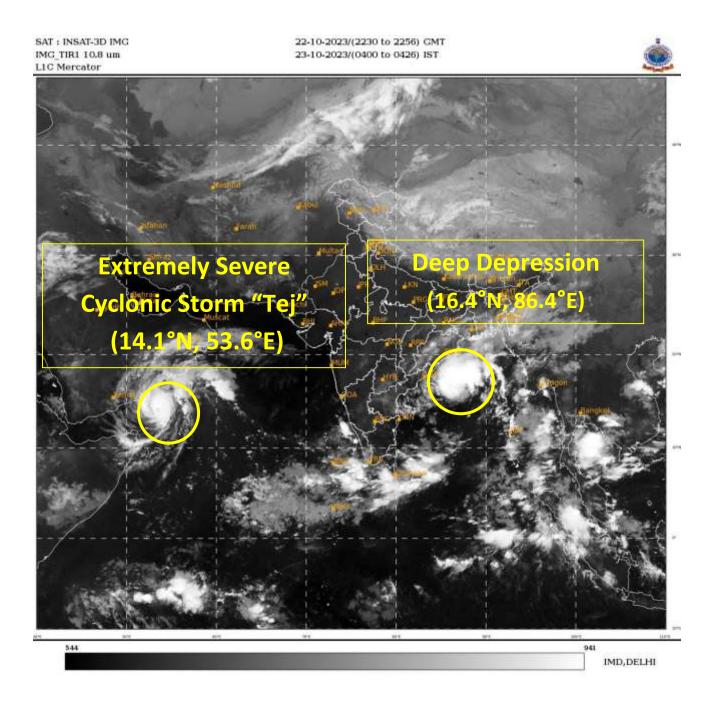
- Adjoining eastcentral Bay of Bengal till 23rd October.
- Westcentral Bay of Bengal till 24th October.
- North Bay of Bengal and along & off Odisha, West Bengal, Bangladesh and north Myanmar coasts during 23rd to 25th October.

Both the systems are under continuous surveillance and the next bulletin will be issued at 0830 hours IST of today, the 23rd October, 2023.

## (Krishna Mishra) Scientist C, Cyclone Warning Division, New Delhi

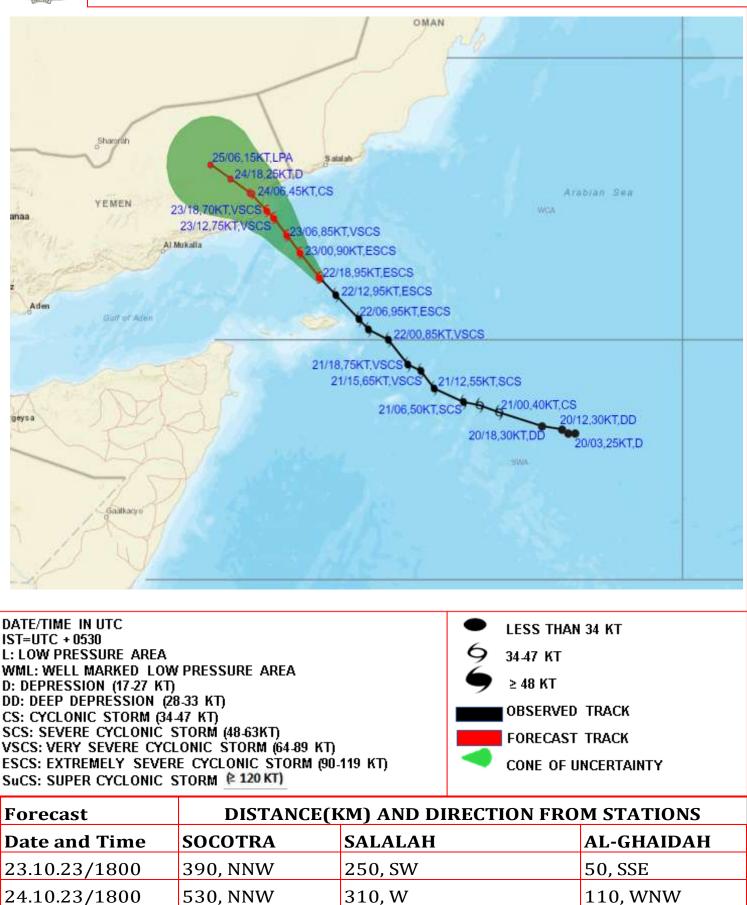
Copy to: ACWC Mumbai/ ACWC Chennai/ ACWC Kolkata/CWC Ahmedabad/CWC Bhubaneswar/CWC Vishakhapatnam/CWC Thiruvananthapuram/MC Goa

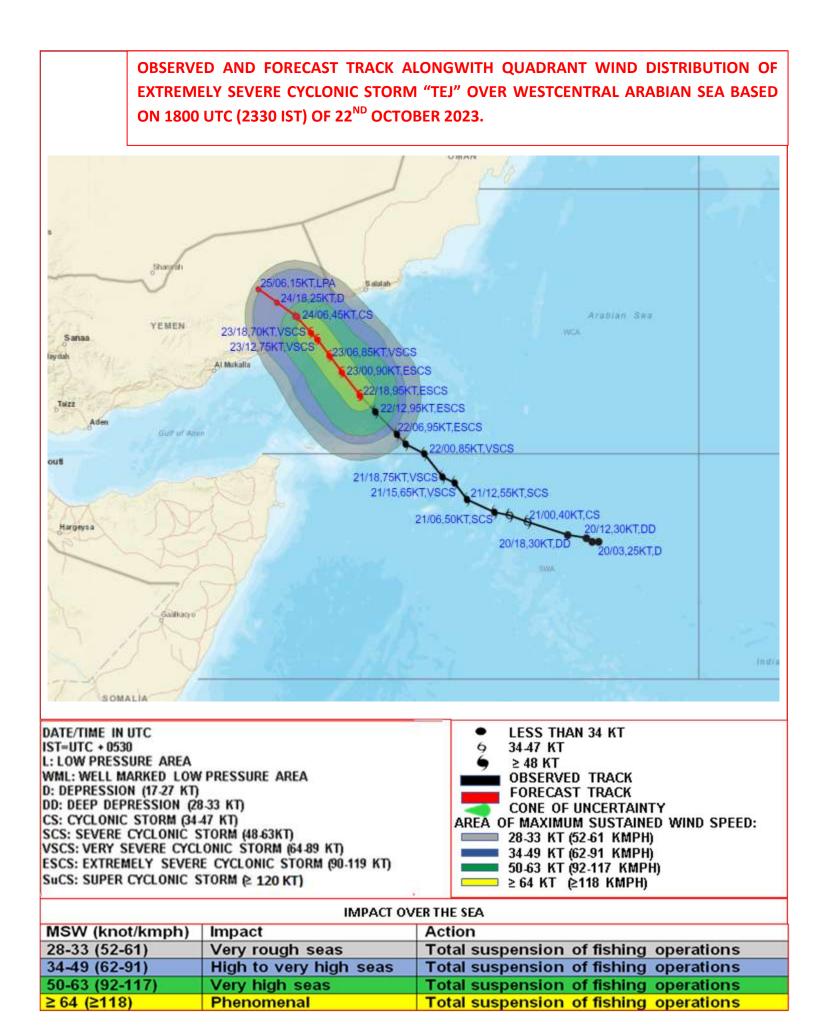
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100% Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.





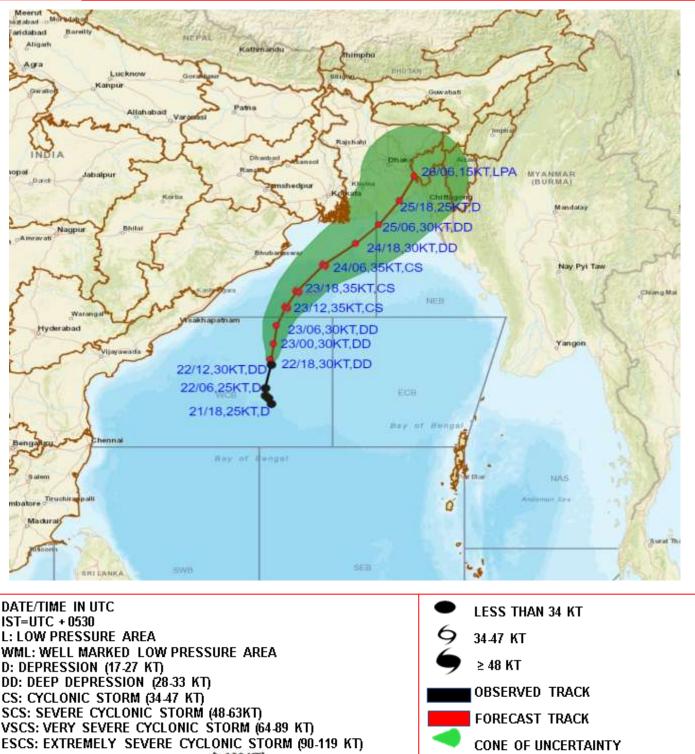
OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF EXTREMELY SEVERE CYCLONIC STORM "TEJ" OVER WESTCENTRAL ARABIAN SEA BASED ON 1800 UTC (2330 IST) OF 22ND OCTOBER 2023.





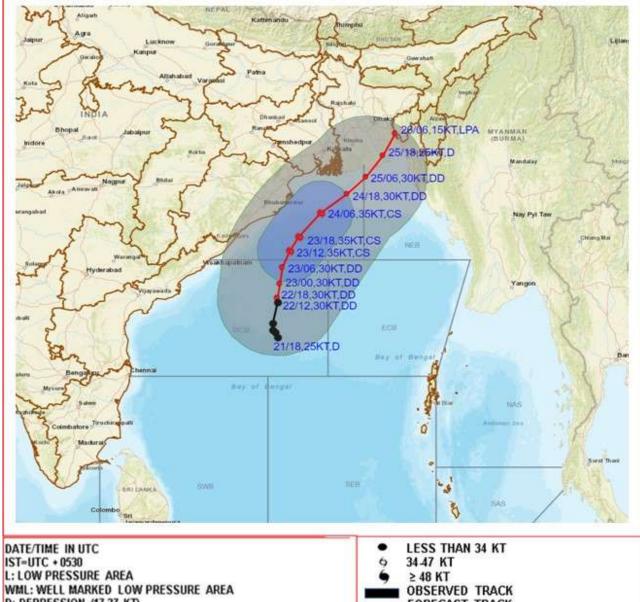


OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF DEEP DEPRESSION OVER WESTCENTRAL BAY OF BENGAL BASED ON 1800 UTC (2330 IST) OF 22ND OCTOBER 2023.



SuCS: SUPER CYCLONIC STORM (2 120 KT)

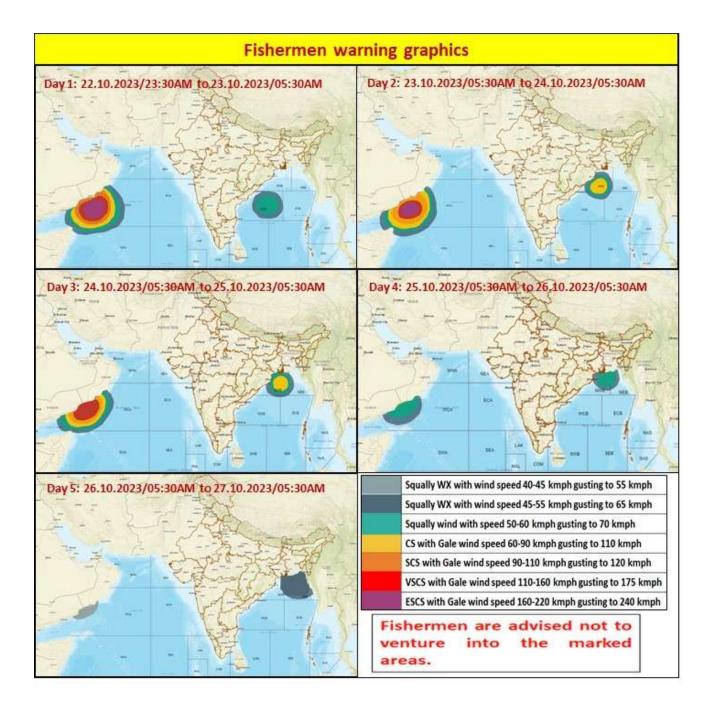




WML: WELL MARKED LOW PRESSURE AREA	
D: DEPRESSION (17-27 KT)	
DD: DEEP DEPRESSION (28-33 KT)	
CS: CYCLONIC STORM (34-47 KT)	
SCS: SEVERE CYCLONIC STORM (48-63KT)	
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)	
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)	
SuCS: SUPER CYCLONIC STORM (2 120 KT)	

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6	34.47 KT
6	≥ 48 KT
1	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)
	≥ 64 KT (≥118 KMPH)

	IMPACT O	VER 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	
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations	



#### WEATHER WARNING GRAPHICS

