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

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750) CONTROL ROOM NDMA (FAX.NO. 26701729) CABINET SECRETARIAT (FAX.NO.23012284, 23018638) PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745) SECRETARY, MOES (FAX NO. 24629777) H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147) **DIRECTOR GENERAL, DOORDARSHAN (23385843)** DIRECTOR GENERAL, AIR (23421105, 23421219) PIB MOES (FAX NO. 23389042) UNI (FAX NO. 23355841) D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260) DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503) ADMINISTRATOR, LAKSHADWEEP ISLANDS (FAX NO. 0413-262184) CHIEF SECRETARY, KERALA (FAX NO. 0471-2327176) CHIEF SECRETARY, KARNATAKA (FAX NO. 080-22258913) CHIEF SECRETARY, GOA (FAX NO. 0832-2415201) CHIEF SECRETARY, MAHARASHTRA (FAX NO. 022- 22028594) CHIEF SECRETARY, GUJARAT (FAX NO. 079-23250305) CHIEF SECRETARY, DAMAN & DIU (FAX NO. 0260-2230775) CHIEF SECRETARY, DADRA & NAGAR HAVELI (FAX NO. 0260-2645466) CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660) CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328) CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600) CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304) CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145) CHIEF SECRETARY, GOVT. OF TRIPURA (FAX NO. 0381-2414013, 2413200) CHIEF SECRETARY, GOVT. OF MIZORAM (FAX NO. 0389-2322745, 2320588) CHIEF SECRETARY, GOVT. OF MANIPUR (FAX NO. 0385-2452629) CHIEF SECRETARY, GOVT. OF NAGALAND (FAX NO. 0370-2270057) ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192-232656)

Sub: (A) Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) weakened into Very Severe Cyclonic Storm over Westcentral Arabian Sea and (B) Deep Depression over Westcentral Bay of Bengal

# (A) Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) weakened into Very Severe Cyclonic Storm 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 12 kmph during past 6 hours, weakened into a Very Severe Cyclonic Storm and lay centered at 0830 hours IST of today, the 23<sup>rd</sup> October over Westcentral Arabian Sea, near latitude 14.6°N and longitude 53.2°E, about 230 km northnorthwest of Socotra (Yemen), 280 km south-southwest of Salalah (Oman) and 200 km south-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 24<sup>th</sup> 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
23.10.23/0830	14.6/53.2	155-165 gusting to 180	Very Severe Cyclonic Storm
23.10.23/1130	15.0/52.9	145-155 gusting to 170	Very Severe Cyclonic Storm
23.10.23/1730	15.3/52.6	135-145 gusting to 160	Very Severe Cyclonic Storm
23.10.23/2330	15.6/52.3	125-135 gusting to 150	Very Severe Cyclonic Storm
24.10.23/0530	15.9/51.9	90-100 gusting to 110	Severe Cyclonic Storm
24.10.23/1730	16.2/51.5	45-55 gusting to 65	Depression

## Forecast track and intensity are given below:

#### Warnings:

- (i) Wind warning (warning graphics enclosed):
- Southwest Arabian Sea: Squally wind speed reaching 50-60 kmph gusting to 70 kmph prevailing over the region is likely to decrease gradually from today evening.
- Westcentral Arabian Sea:

**Gale wind** speed reaching **155-165 kmph gusting to 180 kmph** is prevailing and is likely to decrease gradually becoming **135-145 kmph gusting to 160 kmph** by 23<sup>rd</sup> evening and **125-135 kmph gusting to 150 kmph** by early hours of 24<sup>th</sup> October. It would decrease rapidly after the landfall becoming **90-100 kmph gusting to 110 kmph** in the morning of 24<sup>th</sup> October and **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph by evening. It would decrease gradually thereafter.

## (ii) Sea Condition

• Southwest Arabian Sea:

**Very rough to rough** Sea conditions, prevailing over the region is likely to improve further from evening of 23<sup>rd</sup> October.

#### • Westcentral Arabian Sea:

**Phenomenal** sea condition is prevailing and will continue till early hours of 24<sup>th</sup> October. It would improve gradually thereafter becoming **high to very rough** by 24<sup>th</sup> morning and rough to very rough by evening of 24<sup>th</sup> October. Thereafter, it would improve gradually.

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

Fishermen are advised not to venture into

- Southwest Arabian Sea till 24<sup>th</sup> October morning.
- ✤ Westcentral Arabian Sea till night of 24<sup>th</sup> October.

#### (B) Deep Depression over Westcentral Bay of Bengal

The Deep Depression over Westcentral Bay of Bengal moved northeastwards with a speed of 13 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 23<sup>rd</sup> October over the same region, near latitude 17.0°N and longitude 86.8°E, about 360 km south of Paradip (Odisha), 510 km south-southwest of Digha (West Bengal) and 660 km south-southwest of Khepupara (Bangladesh).

It is likely to intensify into a *Cyclonic Storm* during next 6 hours. It is very likely to move nearly north-northeastwards and cross Bangladesh coast between Khepupara and Chittagong around evening of 25<sup>th</sup> October as a *Deep Depression*.

Date/Time(IST)	Position	Maximum sustained surface	Category of cyclonic
	(Lat. <sup>0</sup> N/ long. <sup>0</sup> E)	wind speed (Kmph)	disturbance
23.10.23/0830	17.0/86.8	55-65 gusting to 75	Deep Depression
23.10.23/1130	17.5/87.0	55-65 gusting to 75	Deep Depression
23.10.23/1730	18.2/87.3	60-70 gusting to 80	Cyclonic Storm
23.10.23/2330	18.8/87.7	70-80 gusting to 90	Cyclonic Storm
24.10.23/0530	19.3/88.2	80-90 gusting to 100	Cyclonic Storm
24.10.23/1730	20.2/89.1	70-80 gusting to 90	Cyclonic Storm
25.10.23/0530	21.1/89.8	55-65 gusting to 75	Deep Depression
25.10.23/1730	21.9/90.3	50-60 gusting to 70	Deep Depression
26.10.23/0530	22.8/90.7	25-35 gusting to 45	Well Marked Low

## Forecast track and intensity are given below:

## Warnings:

## (i) Rainfall Warning

**Manipur, Mizoram & Tripura and south Assam & Meghalaya:** Light to moderate rainfall at most places with isolated heavy rainfall over Mizoram and heavy to very rainfall over Tripura is likely on 23<sup>rd</sup> and 24<sup>th</sup> October. Isolated heavy rainfall is likely over the same region on 25<sup>th</sup> October. Rainfall intensity will decrease on 26<sup>th</sup> with light to moderate rainfall at a few places over the region.

Light to moderate rainfall is likely at many places over south Assam and eastern Meghalaya on 24<sup>th</sup> and 25<sup>th</sup> October with isolated heavy rainfall over south Assam.

**Coastal Districts of Odisha:** Light to moderate rainfall at most places is likely on 23<sup>rd</sup> and 24<sup>th</sup> October with isolate heavy rainfall over coastal areas of north Odisha on 23<sup>rd</sup> October.

**Coastal Districts of West Bengal:** Light to moderate rainfall at most places is likely on 23<sup>rd</sup> and 24<sup>th</sup> October with isolated heavy rainfall over coastal areas of West Bengal on 24<sup>th</sup> 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 23<sup>rd</sup> evening till 24<sup>th</sup> October morning. It is likely to decrease gradually from 24<sup>th</sup> noon becoming squally wind speed reaching 40-50 kmph gusting 60 kmph by 24<sup>th</sup> evening.
- Adjoining eastcentral Bay of Bengal: Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to increase gradually becoming 50-60 kmph gusting to 70 kmph on 24<sup>th</sup> and decrease from 25<sup>th</sup> onwards.
- North Bay of Bengal: Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing and likely to become 50-60 kmph gusting to 70 kmph from today evening. It would become Gale wind speed reaching 60-70 kmph gusting to 80 kmph from 24<sup>th</sup> October morning and 80-90 kmph gusting 100 kmph during 24<sup>th</sup> evening to night. It would decrease gradually thereafter.
- Along & off Odisha, West Bengal, Bangladesh and north Myanmar coasts:

**Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely from 23<sup>rd</sup> evening to 24<sup>th</sup> 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 24<sup>th</sup> 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 25<sup>th</sup> October.

• Mizoram, Tripura, south Assam and Manipur:

**Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely to prevail over Mizoram and Tripura and Strong wind speed reaching **30-40 kmph gusting to 50 kmph** over south Assam & Manipur on 25<sup>th</sup> October.

(iii) Sea Condition

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

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

Fishermen are advised not to venture into

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

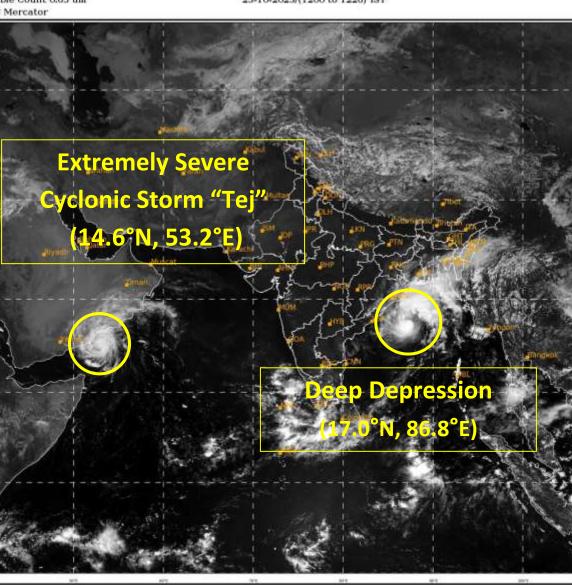
Both the systems are under continuous surveillance and the next bulletin will be issued at 1430 hours IST of today, the 23<sup>rd</sup> October, 2023.

#### (Ananda K Das)

#### Scientist F, 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.



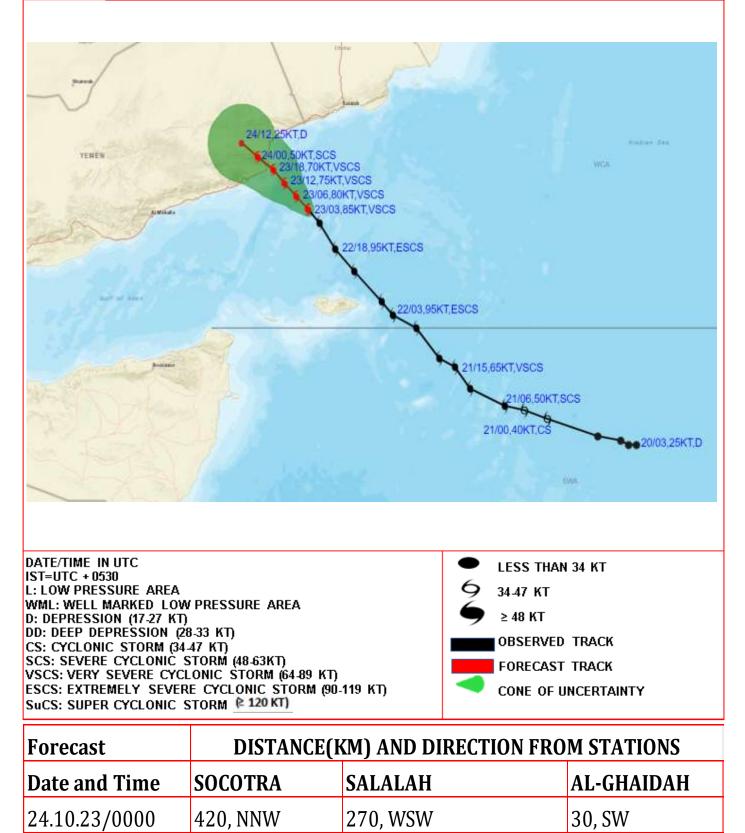
942

IMD, DELHI

SAT : INSAT-3D IMG Visible Count 0.65 um L1C Mercator 23-10-2023/(0630 to 0656) GMT 23-10-2023/(1200 to 1226) IST

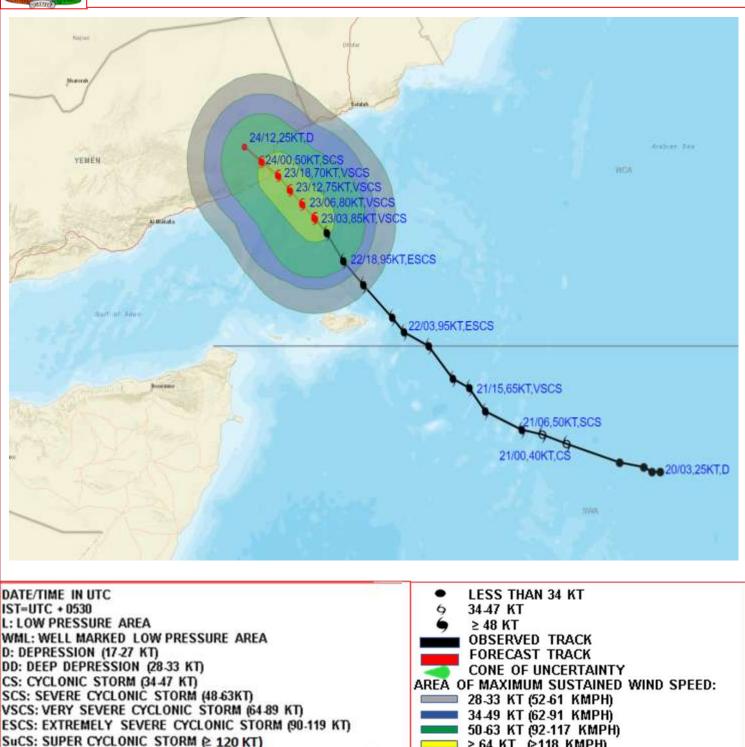


OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF VERY SEVERE CYCLONIC STORM "TEJ" OVER WESTCENTRAL ARABIAN SEA BASED ON 0300 UTC (0830 IST) OF 23<sup>RD</sup> OCTOBER 2023.





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF** VERY SEVERE CYCLONIC STORM "TEJ" OVER WESTCENTRAL ARABIAN SEA BASED ON 0300 UTC (0830 IST) OF 23<sup>RD</sup> OCTOBER 2023.

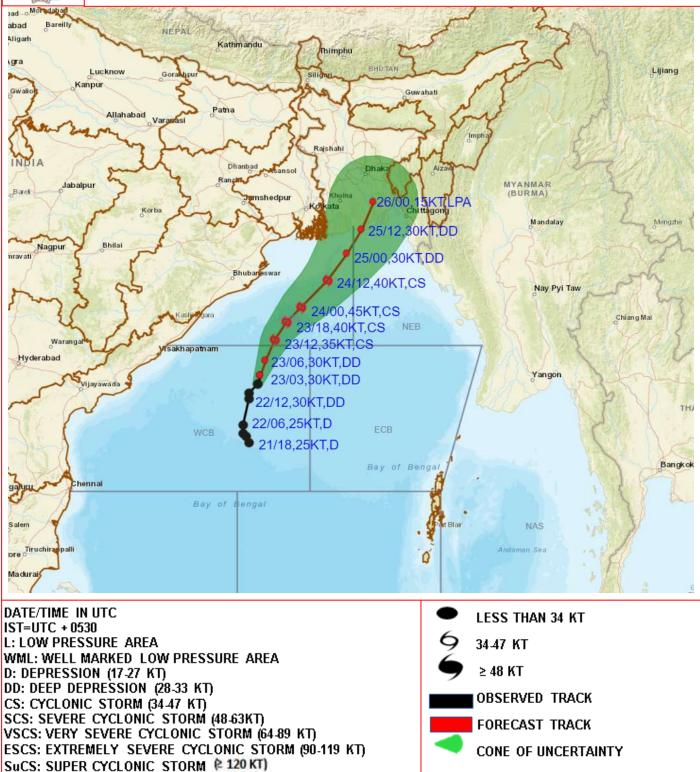


00 0			
≥ 64	KT	€118	KMPH)

IMPACT OVER 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	

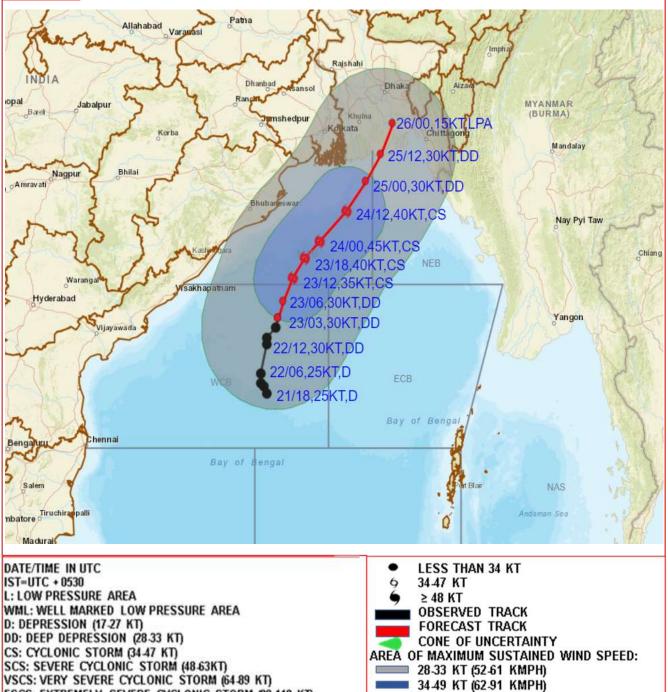


OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF DEEP DEPRESSION OVER WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 23<sup>RD</sup> OCTOBER 2023.





OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 23<sup>RD</sup> OCTOBER 2023.



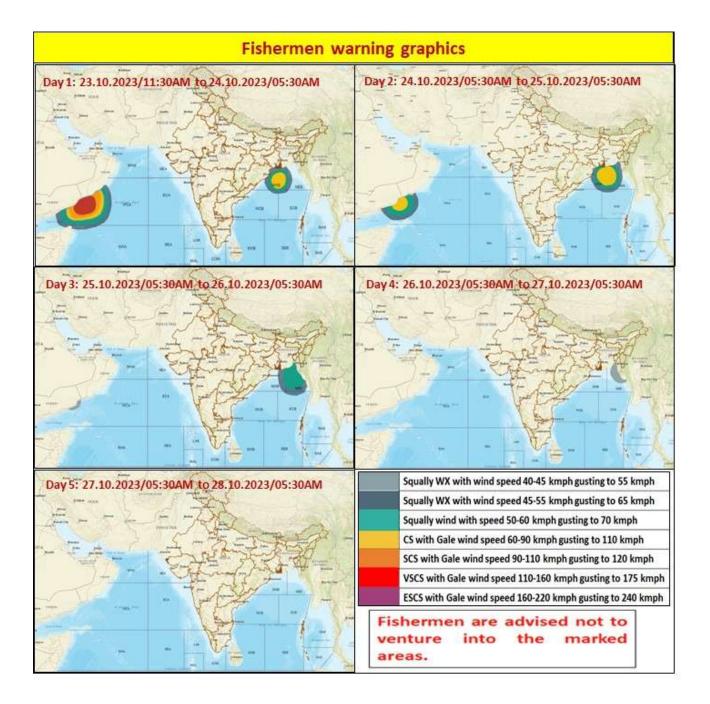
IMPACT OVER THE SEA				
MSW (knot/kmph) Impact Action		Action		
28-33 (52-61)	Very rough seas	Total suspension of fishing operations		
34-49 (62-91)	High to very high seas	Total suspension of fishing operations		
50-63 (92-117)	Very high seas	Total suspension of fishing operations		
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations		

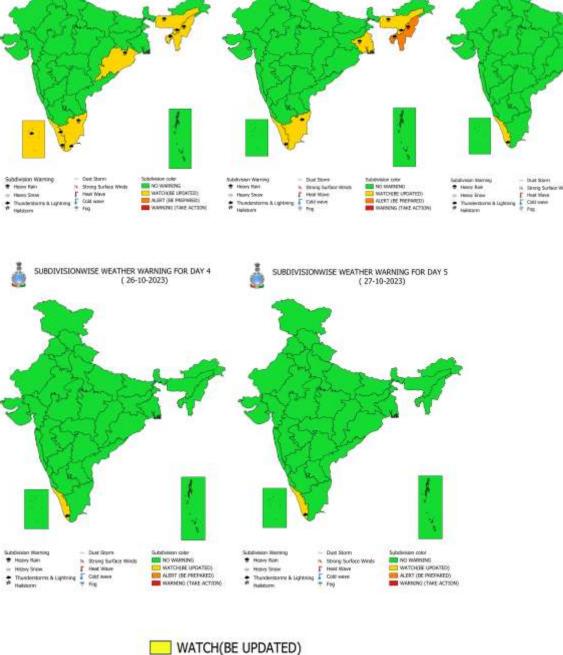
50-63 KT (92-117 KMPH)

≥ 64 KT (≥118 KMPH)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)





ALERT (BE PREPARED) WARNING (TAKE ACTION)

Pallan Palan

SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 ( 24-10-2023)

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SUBDIVISIONWISE WEATHER WARNING FOR DAY 1 ( 23-10-2023 )

