



**India Meteorological Department** 

#### **PRESS RELEASE-4**

#### Time of issue: 1230 hours IST

Dated: 26<sup>th</sup> May, 2024

# Sub: Severe Cyclonic Storm "REMAL" over North Bay of Bengal (Cyclone Warning for West Bengal Coast: Red Message)

Yesterday's deep depression over eastcentral Bay of Bengal moved nearly northnortheastwards and intensified into a cyclonic storm "REMAL" {pronounced as RE-MAL} over the north and adjoining eastcentral Bay of Bengal in the same evening (1730 hours IST of 25<sup>th</sup> May, 2024). Thereafter, it moved nearly northwards and intensified further into a severe cyclonic storm over the North Bay of Bengal in the early morning (0530 hours IST) of today the 26<sup>th</sup> May. Continuing to move further nearly northwards, it lay centered at 0830 hrs IST of today, the 26<sup>th</sup> May over the same region near latitude 19.8°N and longitude 89.3°E about 260 km south-southwest of Khepupara (Bangladesh), 310 km south of Mongla (Bangladesh), 240 km south-southeast of Sagar Islands (West Bengal) and 280 km south-southeast of Canning (West Bengal). Currently maximum sustained wind speed of 90-100 kmph gusting to 110 kmph prevails around the cyclone centre.

# It is very likely to continue to move nearly northwards, intensify further and *cross Bangladesh* and adjoining West Bengal coasts between Sagar Island and Khepupara, close to southwest of Mongla (Bangladesh) by midnight of today, the 26<sup>th</sup> May 2024 as a Severe Cyclonic Storm with maximum sustained wind speed of 110-120 kmph gusting to 135 kmph.

Date/Time	Position	Maximum sustained surface	Category of cyclonic
(IST)	(Lat. ⁰N/ long. ⁰E)	wind speed (Kmph)	disturbance
26.05.24/0830	19.8/89.3	90-100 gusting to 110	Severe Cyclonic Storm
26.05.24/1130	20.2/89.2	100-110 gusting to 120	Severe Cyclonic Storm
26.05.24/1730	21.0/89.2	110-120 gusting to 135	Severe Cyclonic Storm
26.05.24/2330	21.8/89.2	110-120 gusting to 135	Severe Cyclonic Storm
27.05.24/0530	22.7/89.5	70-80 gusting to 90	Cyclonic Storm
27.05.24/1730	24.2/90.1	50-60 gusting to 70	Deep Depression
28.05.24/0530	25.5/90.9	30-40 gusting to 50	Depression

Forecast track and intensity are given in the following table:

#### Warnings (Graphics Attached):

#### Heavy Rainfall Warning:

(a) West Bengal: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is likely over coastal districts of West Bengal and eastern districts of Gangetic West Bengal adjacent to Bangladesh on  $26^{\text{th}} \& 27^{\text{th}}$  with isolated extremely heavy rainfall ( $\geq 20$  cm) over these districts on  $26^{\text{th}}$  May. The peak rainfall activity is likely during noon of  $26^{\text{th}}$  hay.

Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places likely over eastern districts of Sub-Himalayan West Bengal on 27<sup>th</sup> and 28<sup>th</sup> May.

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.

(b)**Odisha**: Light to moderate rainfall at most places with isolated **heavy rainfall** likely over North Coastal Odisha on 26<sup>th</sup> May.

(c) **Northeastern States**: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is likely over Mizoram, Tripura and South Manipur on 26<sup>th</sup> and over Assam, Meghalaya, Arunachal Pradesh, Nagaland, Mizoram, Manipur & Tripura on 27<sup>th</sup> & 28<sup>th</sup> May. Isolated **extremely heavy rainfall** (≥ 20 cm) is also likely over Assam, Meghalaya on 27<sup>th</sup> & 28<sup>th</sup> May, Arunachal Pradesh on 28<sup>th</sup> May and Mizoram & Tripura on 27<sup>th</sup> May.

#### Wind Warning:

#### (a) Bay of Bengal:

- Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail over central Bay of Bengal till noon and decrease becoming Squally wind speed reaching 50-60 kmph gusting to 70 kmph till morning of 27<sup>th</sup> May.
- Gale wind speed reaching 90-100 kmph gusting to 110 kmph prevailing over North Bay of Bengal is likely to increase becoming 100-120 kmph gusting to 135 kmph from noon till midnight of 26<sup>th</sup> May. It is likely decrease thereafter becoming 70-80 kmph gusting to 90 kmph by morning on 27<sup>th</sup> May and squally wind speed reaching 45-55 kmph gusting to 65 kmph by evening of 27<sup>th</sup> May.
- (b) Along & off Bangladesh and West Bengal coasts:
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing along & off Bangladesh and West Bengal & adjoining North Odisha coasts. It is likely to increase becoming gale wind speed reaching 70-80 kmph gusting to 90 kmph from afternoon of 26<sup>th</sup> May and 100-120 kmph gusting to 135 kmph along & off Bangladesh and adjoining West Bengal coasts from evening of 26<sup>th</sup> May till early morning of 27<sup>th</sup> May. It is likely decrease thereafter to become 60-70 kmph gusting to 80 kmph by afternoon and squally wind 50-60 kmph gusting to 70 kmph by night of 27<sup>th</sup> May.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to commence over Howrah, Hoogly, Kolkata and East Medinipur districts from evening of 26<sup>th</sup> May. It will increase gradually becoming Gale wind speed reaching 70-80 kmph gusting to 90 kmph over these districts during night of 26<sup>th</sup> May except East Medinipur where the wind speed may reach up to 60-70 kmph gusting to 80 kmph during the same period.

#### (c) Along & off North Odisha coasts:

Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail till 27<sup>th</sup> May morning.

#### (d) Northeastern States:

**Squally wind speed reaching 50-60 kmph gusting to 70 kmph** is likely over Mizoram Tripura & south Manipur on 26<sup>th</sup> & 27<sup>th</sup> May and **40-50 kmph gusting to 60 kmph** is likely over South Assam and Meghalaya on 27<sup>th</sup> May.

#### Storm surge warning:

Storm surge of about 1 meter height above astronomical tide is likely to inundate low lying areas of coastal West Bengal and 3-4 m above astronomical tide likely to inundate low lying areas of coastal Bangladesh around the time of landfall.

#### Sea condition warning:

#### (a) Central and North Bay of Bengal:

Very rough to high sea condition is likely to prevail over central Bay of Bengal on 26<sup>th</sup> May and High to Very High over North Bay of Bengal till 27<sup>th</sup> May morning.

#### (b) Along & off Bangladesh and West Bengal coasts

Very rough sea condition is prevailing along & off Bangladesh and West Bengal coasts. It would become high to very high along & off Bangladesh and West Bengal coasts from 26<sup>th</sup> morning onwards till 27<sup>th</sup> May morning.

#### (c) Along &off North Odisha coast:

Very rough sea condition is likely along & off North Odisha coast till 27<sup>th</sup> May morning.

## Damage Expected over South & North 24 Parganas, Howrah, Hoogly, Kolkata & adjoining East Medinipur districts of west Bengal:

- > Major damage to thatched houses/ huts. Possibilities of damage to vulnerable structure.
- Unattached metal sheets may fly.
- Breaking of tree branches, uprooting of trees. Major damage to banana and papaya trees. Dead limbs may blow off from trees.
- Damage to power and communication lines due to breaking of branches and uprooting of trees.
- > Damage to Kutcha and minor damage to Pucca roads due to heavy rain.
- > Damage to paddy crops, horticultural crops and orchards.
- Inundation of low-lying areas and localized flooding
- > Occasional reduction in visibility due to heavy rainfall.
- > Disruption of traffic due to water logging and squally winds

# Action Suggested for South & North 24 Parganas, Howrah, Hoogly, Kolkata & adjoining East Medinipur districts of West Bengal:

- Total suspension of fishing operations.
- Surface transport and shipping operations need to be regulated
- Onshore & Offshore operation need to be regulated as per guidelines
- Coastal hutment dwellers to move to safer places.
- People in affected areas to remain indoors.
- > Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

#### Fishermen Warning (graphics attached):

Fishermen are advised not to venture into central Bay of Bengal till 26<sup>th</sup> May and North Bay of Bengal till 27<sup>th</sup> May. Fishermen out at sea are advised to return to the coast.

The system is under continuous surveillance. Next message will be sent at 1430 hrs IST of tomorrow, the 27<sup>th</sup> May, 2024.

Kindly visit <u>www.rsmcnewdelhi.imd.gov.in</u> and <u>www.mausam.imd.gov.in</u> for updates on the system.





Kolkata Radar

26.05.24/1200

26.05.24/1800

150, SSE

70, SE

FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY IN ASSOCIATION WITH SEVERE CYCLONIC STORM 'REMAL' OVER NORTH BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 26<sup>TH</sup> MAY 2024.



150, SW

100, WSW

140, ESE

110, E

180, SSW

90, SSW



FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH SEVERE CYCLONIC STORM 'REMAL' OVER NORTH BAY OF BENGAL BASED ON 0300 UTC (0830 IST) OF 26TH MAY 2024.







## **Districtwise Warning Graphics of West Bengal**

## Warning Graphics of Northeastern States of India















### Flash Flood Guidance for West Bengal

#### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 27-05-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of southern districts of Gangetic West Bengal Met Sub-divisions (as indicated in adjacent map) during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected cyclonic system Remal in next 24 hours.



Flash Flood Threat	Flash Flood Risk	
High Threat (Take Action)	High Risk (Take Action)	
Moderate threat (Be Prepared)	Moderate Risk (Be Prepared)	
Low Threat (Be Updated)	Low Risk (Be Updated)	

