

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NO. 35 (BoB/02/2023)

TIME OF ISSUE: 1540 HOURS IST DATED: 14.05.2023 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)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. WEST BENGAL (FAX NO. 033-22144328)

CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)

CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575, 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 ASSAM (FAX NO. 0361-2260900)

CHIEF SECRETARY, GOVT. OF MANIPUR (FAX NO. 0385-2452629)

CHIEF SECRETARY, GOVT. OF NAGALAND (FAX NO. 0370-2270057)

Sub: Extremely Severe Cyclonic Storm "Mocha" (pronounced as "Mokha") crossed north Myanmar-southeast Bangladesh coasts.

The Extremely Severe Cyclonic Storm "Mocha" (pronounced as "Mokha") over Northeast Bay of Bengal moved north-northeastwards with a speed of 28 kmph during past 6 hours, crossed north Myanmar-southeast Bangladesh coasts between Kyaukpyu (Myanmar) and Cox's Bazar (Bangladesh) close to north of Sittwe (Myanmar) near latitude 20.25°N and longitude 92.75°E as an Extremely Severe Cyclonic Storm with wind speed of 180-190 kmph gusting to 210 kmph during 1230 to 1430 hours IST of today, the 14th May 2023. It lay centered at 1430 hours IST of today the 14th May 2023 over coastal Myanmar near latitude 20.5°N and longitude 92.9°E, about 40 km north of Sittwe (Myanmar) and 145 km southeast of Cox's Bazar (Bangladesh).

The system is continuing the weakening trend and will weaken into a very severe cyclonic storm during next 3 hours.

Forecast track and intensity are given below:

Date/Time (IST)	Position (Lat. ⁰N/ long. ⁰E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
14.05.23/1430	20.5/92.9	160-170 gusting to 185	Extremely Severe Cyclonic Storm
14.05.23/1730	21.1/93.4	130-140 gusting to 155	Very Severe Cyclonic Storm
14.05.23/2330	22.5/94.4	50-60 gusting to 70	Deep Depression
15.05.23/0530	23.6/95.5	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

- ❖ Tripura & Mizoram: Rainfall at most places with heavy to very heavy rainfall at isolated places on 14th May.
- ❖ Nagaland, Manipur & south Assam: Rainfall at many places with Heavy rainfall at isolated places is on 14th May.

(ii) Wind warning:

❖ Tripura, Mizoram & south Manipur:

Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely to prevail on 14th May.

Eastcentral Bay of Bengal:

Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail till evening of 14th May and decrease rapidly thereafter..

Northeast Bay of Bengal:

Gale wind speed reaching 160-170 kmph gusting to 185 kmph would continue to prevail till afternoon of 14th May and it is likely to decrease rapidly thereafter.

❖ Adjoining areas of Northwest Bay of Bengal:

Squally wind speed 45-55 kmph gusting to 65 kmph likely to prevail till 14th may night.

(iii) Sea condition

Northeast Bay of Bengal:

Phenomenal sea condition is prevailing and would continue till 14th May evening and improve gradually thereafter.

***** Eastcentral Bay of Bengal:

High to Very High sea condition is prevailing and it would improve gradually from 14th May evening.

❖ Adjoining areas of Northwest Bay of Bengal:

Rough to Very Rough condition is prevailing and would continue till night of 14th May.

(iv) Fishermen Warning (warning graphics enclosed)

- ❖ Fishermen, ships, boats and trawlers are advised not to venture into northeast Bay of Bengal, eastcentral and adjoining westcentral Bay of Bengal and north Andaman Sea on 14th May.
- ❖ Those over northeast & central Bay of Bengal and north Andaman Sea are advised to return to coast.

(v) Damage expected & Action suggested: Mizoram, Tripura, and South Manipur

- Minor Damage to loose/unsecured structures
- Some breaches in kutcha road due to heavy rain with the possibility of landslide, in vulnerable areas
- Uprooting of small trees and breaking of tree branches.
- ❖ Damage to small trees like Banana, Drum stick and Papaya etc.
- Damage to standing crops

Action Suggested

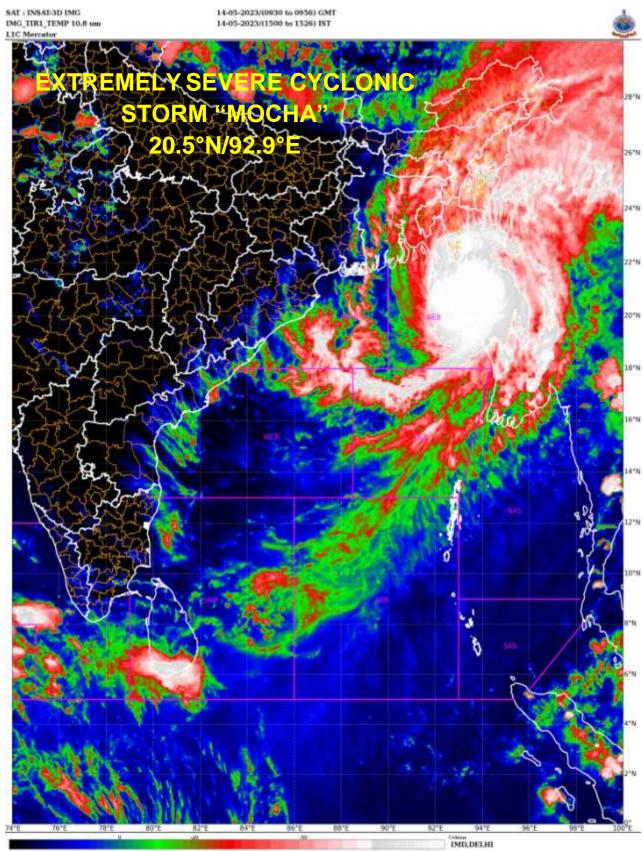
Immediately harvest mature fruits and crops.

- Provide staking and cover to vegetables nurseries, fruit orchards.
- Avoid application of fertilizers and pesticides.
- Keep livestock inside sheds
- (vi) Damage expected & Action suggested: Marine community (shipping, offshore industries, Tourism etc. over Bay of Bengal, Andaman Sea & Andaman & Nicobar Islands)
 - Very rough to phenomenal sea could affect marine operation and offshore activities.
 - Regulation of tourism and offshore activities and shipping near North Andaman Islands till 14th May.
 - Regulation of shipping activity sea areas of northeast and adjoining eastcentral Bay of Bengal till 14th May.

The system is under continuous surveillance and the next message will be issued at 2030 hours IST of today, the 14th May 2023.

(Dr. Ananda Kumar Das) Scientist F, Cyclone Warning Division, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/MO Port Blair





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF EXTREMELY SEVERE CYCLONIC STORM MOCHA OVER COASTAL MYANMAR BASED ON 0900 UTC (1430 IST) OF 14TH MAY 2023.



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 ₱ 120 KT)

LESS THAN 34 KT 34.47 KT

≥ 48 KT

OBSERVED TRACK

FORECAST TRACK

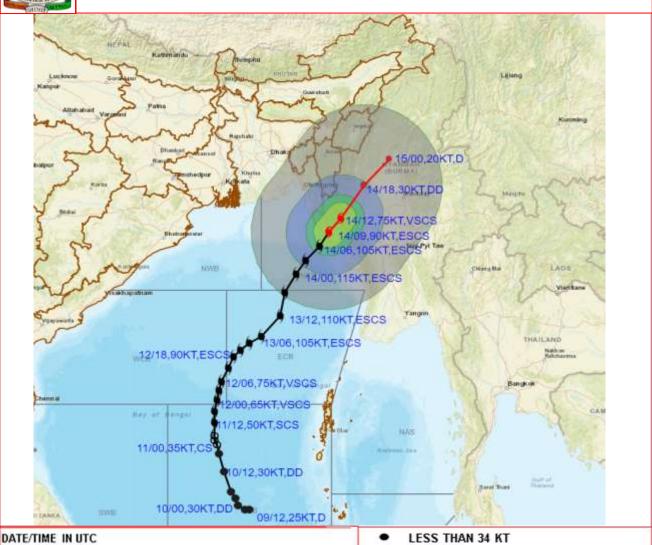
CONE OF UNCERTAINTY

F	orecast	dista	nce (kr	n) and direct	ion of the centr	e from nearest 5 c	oastal stations
Forecast Date	Lead	Lat	Lon	Station 1	Station 2	Station 3	Station 4

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
14.05.23/0900	0	20.5	92.9	SITTWE (41,N)	KYAUKTAW (48,SE)	TEKNAF (75,ESE)	KYAUKPYU (138,NNW)	COX'S BAZAR (145,SE)



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF EXTREMELY SEVERE CYCLONIC STORM MOCHA OVER COASTAL MYANMAR BASED ON 0900 UTC (1430 IST) OF 14TH MAY 2023.



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 @ 120 KT)

	The same of the sa
•	LESS THAN 34 KT
6	34-47 KT
6	≥ 48 KT
	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)
(C)	≥ 64 KT (≥118 KMPH)
	100 NC)

	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		

