



ONE ASEAN
ONE RESPONSE

SITUATION UPDATE

TROPICAL CYCLONE ONE (MOCHA)

Myanmar

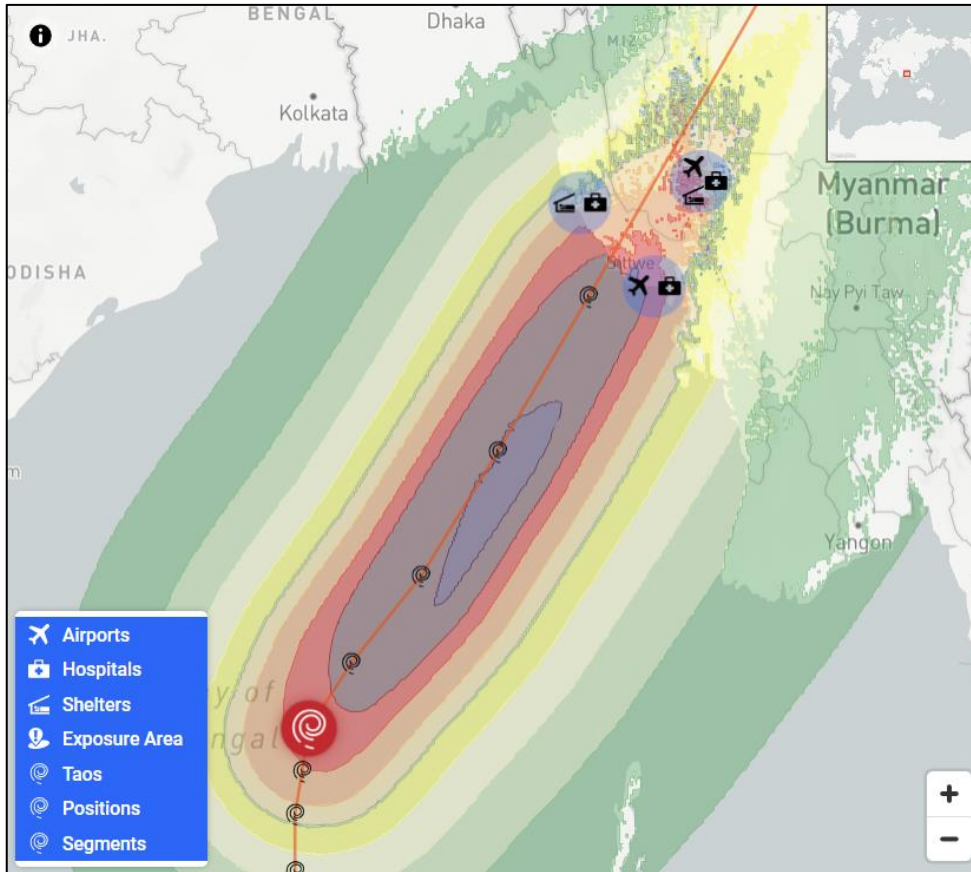
No. **1**

Friday, 12 May 2023, 2000HRS (UTC+7)

This Situation Update is provided by the AHA Centre for use of the ASEAN Member States and relevant stakeholders. The information presented is collected from various sources, including but not limited to ASEAN Member States' Government Agencies, UN, IFRC, NGOs, Humanitarian and Dialogue Partners, and News Organisations.

Tropical Cyclone MOCHA

Disclosure(s): Figures are the latest updates as of 12 May 2023



COORDINATES: LAT: 14 | LNG: 88.3

REPORTED: FRI MAY 12 2023 16:01:14 GMT+0700 (INDOCHINA TIME)
CURRENT SUSTAINED WIND SPEED: 86 MPH / 139 KPH
GUSTS: 104 MPH / 167 KPH

CATASTROPHIC DAMAGE	MODERATE DAMAGE 5% OF VALUE	BRANCHES BREAKING
SEVERE DAMAGE	MINOR DAMAGE; POWER OUT	LARGE TREES SWAY
WIDESPREAD DAMAGE	TREES DOWN; SOME POWER LOSS	SMALL TREES SWAY

POPULATION EXPOSED

ESTIMATED POPULATION EXPOSED

2.01 MILLION

ESTIMATED HOUSEHOLDS EXPOSED

457,667

ESTIMATED VULNERABLE POPULATION EXPOSED

503,430



25%

124,851
CHILDREN
AGE 0-14

69%

345,856
ADULTS
AGE 15-64

7%

32,723
ELDERLY
AGE 65+

ESTIMATED HOSPITALS EXPOSED

8

ESTIMATED SCHOOLS EXPOSED

27

CAPITAL EXPOSED

USD

9.36 BILLION

EXPOSURE DETAIL BY SEVERITY

SEVERITY LEVEL

AFFECTED POPULATION

	EXPOSURE AREA	AGE 0-14	AGE 15-64	AGE 65+	TOTAL	CAPITAL EXPOSED	SCHOOLS	HOSPITALS
■ ■ ■	Widespread Damage and Above	232,767	643,553	60,757	937,077	3.96 Billion	11	3
■	Moderate Damage; 5% of value	187,098	505,136	46,408	738,642	3.5 Billion	22	4
■	Minor Damage; power out	219,920	593,293	54,520	867,733	2.45 Billion	22	22
	TOTAL	640,895	1.75 Million	161,975	2.55 Million	9.91 Billion	55	29



SITUATION UPDATE

1. SUMMARY

- a. **METEOROLOGICAL CONDITION.** On 11 May 2023 at 0934 HRS UTC+7, a tropical cyclone warning forecast #1 for Tropical Cyclone One (MOCHA) was issued by Joint Typhoon Warning Center (JTWC). On 12 May 2023 at 2000 HRS UTC+7, Tropical Cyclone Mocha, equivalent to a **Category 2 hurricane** (on the Saffir-Simpson scale), is located in the N Indian Ocean with **maximum sustained winds of 167 km/h**, and **wind gusts up to 204 km/h**. According to the latest available forecast, Mocha is headed **North at about 13 km/h** and is expected to strengthen over the next 24 hours.
- b. **EXPECTED LANDFALL:** Tropical Cyclone Mocha is within 855 km from Myanmar, and the centre is **expected to make landfall within the next 46 hour(s), along the shores of/near Chin, as a Category 3 hurricane**, with sustained winds of about 194 km/h (ASEAN DMRS). According to JTWC, Tropical Cyclone MOCHA is expected to reach its peak at 220 km/h or equivalent to a Category 4 hurricane, just before making landfall on 14 May 2023.

2. ASSESSMENT OF POTENTIAL HAZARDS, IMPACTS, AND HUMANITARIAN NEEDS

Potential Hazards

- a. At most, Severe Damage-causing winds is possible especially in areas Rakhine State and Chin State, Myanmar (source: TAOS Model, DisasterAWARE). Maximum wind speed may reach 64 – 73 km/h in Magway, Bago, Yangon, Ayeyarwaddy Regions and Rakhine State; 160 -177 km/h in Rakhine State; and 64 – 97 km/h in Nay Pyi Taw, Lower Sagaing, Mandalay, Magway, Bago, Yangon, Ayeyarwaddy Regions and Chin State (DMH).
- b. At most, 1.0 - 2.7 metres of storm surge is possible in the coasts of Sittwe Area in Rakhine State, Myanmar (source: TAOS Model, DisasterAWARE). Storm surge height will be 3 - 4 metres in Estuary and Tributaries at Sittwe District, Maungdaw District Rakhine State and 2 - 3 metres in Estuary and Tributaries at Kyaukpyu District, Rakhine State.
- c. At most, 152-229 mm of tropical cyclone-associated rainfall is possible in areas of Rakhine and Chin States (source: TAOS Model, DisasterAWARE); and rain or thundershowers will be fairly widespread to widespread in central and western states and regions. Naypyitaw, Sagaing, Mandalay, Magway, Bago, Yangon, Ayeyarwady, Taninthayi Regions and Kachin, Shan, Chin, Rakhine, Kayah, Kayin, Mon States Shan, Kayah, Kayin, Mon States (DMH).

Potential Impacts in Myanmar – POTENTIAL OF A CATASTROPHIC DISASTER

- a. An estimated **2.01 Million people, 457,667 households**, and **\$9.91 Billion (USD)** of infrastructure (total replacement value) are potentially exposed to moderate to severe damaging winds.
- b. All shorelines in the path of the storm are exposed to potential storm surge, and inland areas within the proximity of the storm are exposed to potential flooding.

Humanitarian Needs (as jointly analysed by PDC-Global, WFP, and UN OCHA).
1.42B calories per day, 2.03M litres of water per day, and 2.34M sqm of shelter.



3. ACTIONS TAKEN AND RESOURCES MOBILISED

Response by the AHA Centre as of 12 May 2023

- a. The AHA Centre has been monitoring the development of the tropical disturbance in the Indian Ocean, currently referred to as "Tropical Cyclone MOCHA". The AHA Centre continuously coordinates and exchanges information on the developments of TC MOCHA with Department of Disaster Management (DDM).
- b. On 12 May 2023, the AHA Centre had a meeting with DDM. The meeting aimed to clarify and confirm the situation on the ground. AHA Centre presented the summary of their monitoring to DDM as well as the status of the stockpiles in the warehouses (in Chai Nat, Thailand; in Subang, Malaysia; and in WFP, DDM, MRCS warehouses in Myanmar).
- c. The AHA Centre has coordinated with the Department of Disaster Prevention and Mitigation (DDPM) of Thailand and *Agensi Pengurusan Bencana Negara* (NADMA) of Malaysia for the option of using Myanmar's military aircraft to pick up stockpiles in the warehouses in Chai Nat, Thailand and in UNHRD in Subang, Malaysia.
- d. The AHA Centre has coordinated with the military representative (IDN) who has already indicated his support and have started coordinating with the defence attaches of Thailand and Malaysia for potential use of military airbase to carry the DELSA relief items from the warehouses.
- e. The AHA Centre has sent out an ASEAN-ERAT deployment alert on 12 May.
- f. The AHA Centre has initialised emergency satellite observation request through Sentinel Asia for Myanmar (2 areas in Rakhine State, 1 area in Chin State).

4. PLAN OF ACTIONS

The AHA Centre's Plan

- a. Deployment of advance team comprises of 4 AHA Centre staffs to attached to EOC in Naypyitaw, Myanmar to support Information Management (IM), reporting, and overall coordination, 13th May night or 14th morning, pending clearance from DDM, before the cyclone makes landfall.
- b. Planning for ASEAN-Emergency Response and Assessment Team (ASEAN-ERAT) deployment comprises of around 8-10 members from ASEAN Member States, ASEAN Secretariat, and AHA Centre to help the needs assessment after the cyclone landfall, likely on 15th or 16th May, pending clearance from DDM.
- c. Disaster Emergency Logistics System for ASEAN (DELSA) relief items from Malaysia Subang warehouse and Thailand Chainat satellite warehouse are ready to deploy, pending clearance for military aircraft from Myanmar to do the collection.
- d. The AHA Centre already upgraded the EOC Alert Level to ORANGE (preparedness for response).
- e. The AHA Centre will continuously update the impact information in the ASEAN Disaster Information Network (ADINet) on the impacts of TC MOCHA.



Prepared by:

The AHA Centre - Emergency Operations Centre (EOC)

ABOUT THE AHA CENTRE

The AHA Centre - ASEAN Coordinating Centre for Humanitarian Assistance on disaster management - is an inter-governmental organisation established by 10 ASEAN Member States – Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Viet Nam - to facilitate the cooperation and coordination among ASEAN Member States and with the United Nations and international organisations for disaster management and emergency response in the region.

The ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre), Graha BNPB 13th Floor, JL Raya Pramuka Kav 38, East Jakarta, 13210, Indonesia
Phone: +62-21-210-12278 | www.ahacentre.org | email: info@ahacentre.org

Contact:

- 1) Keith Paolo Landicho, Disaster Monitoring and Analysis Officer,
keith.landicho@ahacentre.org
- 2) Sadhu Zukhruf Janottama, Disaster Monitoring & Analysis Officer,
sadhu.janottama@ahacentre.org

