



ONE ASEAN  
ONE RESPONSE

# SITUATION UPDATE

## TROPICAL CYCLONE MOCHA Myanmar

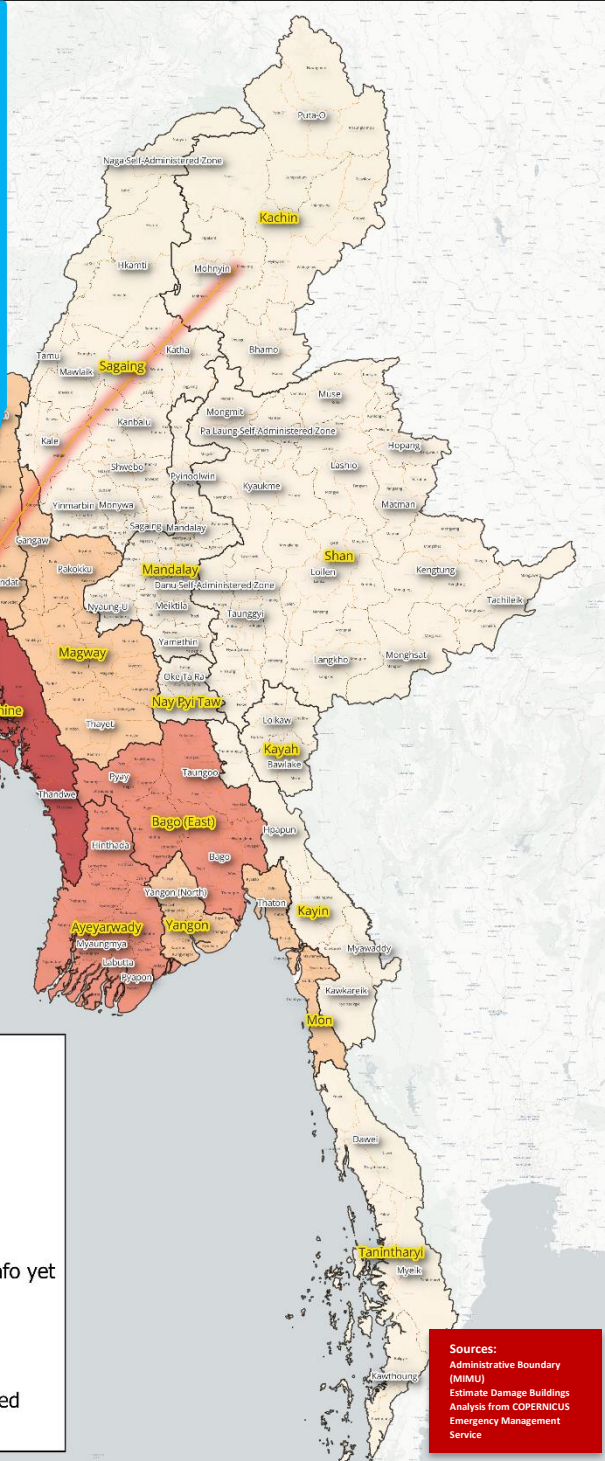
No. **6**

Monday, 22 May 2023, 2200 HRS (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

Disclaimer: Updates as of 22 May 2023



**Legend**

- Track of TC MOCHA
- Township Boundary
- District Boundary
- State or Region Boundary

**Numbers of houses / residences damaged**

- Less than 100 houses damaged / no info yet
- 100-500 houses damaged
- 500-1K houses damaged
- More than 1K houses damaged

**Estimate buildings / residential damaged**

- Buildings / residences

Sources:  
Administrative Boundary (MIMU)  
Estimate Damage Buildings Analysis from COPERNICUS  
Emergency Management Service

- 912K**  
PERSONS EVACUATED TO SAFER PLACES
- 145**  
LIVES LOST
- 131**  
INJURED PERSONS
- 27.7K**  
LIVESTOCK LOST
- 248.3K**  
BUILDINGS DAMAGED
- 4.2K**  
SEARCH & RESCUE TEAMS RESPONDING
- 1.2K**  
SEARCH & RESCUE VEHICLES (LAND & WATER)
- 28.6K**  
HOUSEHOLDS CAN BE CATERED WITH STOCKPILED RELIEF ITEMS
- 283**  
TOTAL RAPID RESPONSE AND MEDICAL RESPONSE PERSONNEL DEPLOYED
- 2.7M USD**  
ESTIMATED TOTAL COST OF DAMAGE TO BUILDINGS, ROADS, BRIDGES



Note: Information contained in this document are additional information since the AHA Centre Situation Update #5 (20 May 2023) and until today (22 May 2023 at 1830 HRS UTC+7). You may refer to Situation Updates [#1](#), [#2](#), [#3](#), [#4](#), and [#5](#) for the previous information.

## 1. SUMMARY

**UPDATED IMPACTS.** A week after Tropical cyclone MOCHA impacted Myanmar, the actual condition of the affected areas has become clearer. According to analysis of earth observation satellite images as well as ongoing rapid assessments on the ground, damages are confirmed to be 80-90% of buildings in the affected areas especially in Sittwe and Rathedaung in Rakhine State, Myanmar. Satellite imagery assessments also showed flooding, especially in areas closer to the track of Tropical Cyclone MOCHA. On-the-ground assessments have revealed that access to power, water, and usual food sources have become a challenge. Electric posts remain toppled, water systems remain non-operational, but markets have started to reopen. Access to healthcare has been made limited as hospitals and clinics have reportedly been damaged to the point of being destroyed. Schools reportedly face the same problem as thousands have been destroyed. The affected communities are also fazed by the reported significant loss in livestock. Positively, clearing of debris have started, carried out by Myanmar authorities.

### **PREPAREDNESS AND RESPONSE:**

- a. The AHA Centre mobilised Disaster Emergency Logistics System for ASEAN (DELSA) relief items in response to Tropical Cyclone MOCHA in Myanmar since 21 May. As of 22 May, at 1830 HRS UTC+7, the relief items worth 168K USD in the form of jerry cans, shelter repair kits, toolkit shelters, tarpaulins, and family tents have arrived in Yangon, Myanmar for further distribution to the affected community.
- b. The ASEAN-Emergency Response and Assessment Team (ASEAN-ERAT) started to conduct assessments in the affected areas by Tropical Cyclone MOCHA in Rakhine State, Myanmar. On 22 May 2023, the team conducted the assessment in Sittwe and Ponnagyun Townships in Rakhine State.
- c. A total of 17 townships in Rakhine State and 4 townships in Chin State have been declared by the Government of Myanmar as Natural Disaster-affected areas due to Tropical Cyclone MOCHA.

## 2. ASSESSMENT OF IMPACTS AND HUMANITARIAN NEEDS

### **Impacts in Myanmar**

- a. According to the information from NDMC, as of 21 May 2023 (numbers are expected to rise as data collection continues and as communication lines are restored):
  - i. 145 lives lost (corrected figure) and 131 injured persons (confirmed)
  - ii. 248,296 buildings damaged (corrected figure) of which, 234,147 are residential houses (corrected figure), 2,492 are religious buildings (corrected figure), 391 are offices, 2,045 are schools (corrected figure), 325 are hospitals/clinics, and 8,896 others.
  - iii. 950 vessels, 834 of which are ships/boats and 116 others, cars were reportedly affected.
  - iv. 32,177 livestock lost (corrected figure).
  - v. 912,277 were evacuated to safe places 233K of which are currently in 454 evacuation centres\*.



- vi. 5,598M MMK (2.7M USD) estimated cost of damages to roads, bridges, and buildings.
- vii. 70% of whole Rakhine State sustained damages and 90% of houses have been unroofed.

*Note: Data collection are still on-going.*

**Anticipated Risks.** Myanmar's Department of Meteorology and Hydrology (DMH) forecasts that southwest monsoon is likely to set in Southern Myanmar areas during 21 - 24 May, Deltaic Myanmar areas during 25 - 28 May and Central Myanmar areas from 29 May - 4 June. A Low-Pressure Area may form over the Andaman Sea and the South Bay of Bengal. For the forecast period of 21 - 30 May 2023, rain or thundershowers will be above normal in Tanintharyi Region, below normal in Naypyitaw, Lower Sagaing, Mandalay, Magway, West Bago Regions and Shan, Chin, Rakhine States and about normal Upper Sagaing, East Bago, Yangon, Ayeyarwady Regions and Kachin, Kayah, Kayin, Mon States.

**Urgent Needs.** DDM Myanmar reported that the most prioritised humanitarian relief items according to urgency of need on the ground are tarpaulins, family tents, shelter repair kits and toolkits, and jerry cans followed by family kits, kitchen sets, mosquito nets, and personal hygiene kits.

**Humanitarian Needs.** Following the weather forecast from DMH Myanmar, and as validated by DDM Myanmar, emergency relief and shelter are the urgent needs of the affected people by TC MOCHA in Myanmar, especially people who experienced damaged houses. Following these needs, Health, Water, Sanitation, and Hygiene as well as Food assistance and Non-Food Items are also needed by the affected persons.

### 3. ACTIONS TAKEN AND RESOURCES MOBILISED

#### Response by Myanmar Authorities

- a. **Search and Rescue.** Currently, a total of 4,159 Search and Rescue (SAR) teams in Rakhine (3,214) and Chin (945) are deployed according to the NDMC. The NDMC currently has 1,009 land and 242 water SAR vehicles deployed which are being utilised in Rakhine (203 and 139), Chin (84 and 15), Sagaing (395 and 77), and Magway (327 and 11). Stockpiled rescue items can cater to a current total of 28,571 households (HH) in Rakhine (8,974 HH), Chin (2,507 HH), Ayeyarwaddy (5,367 HH), Sagaing (4,519 HH), Magway (3,804 HH), and 6 DMC township offices (3,400 HH).
- b. **Assessment.** According to the NDMC, a total of 19 initial field survey teams have been deployed in Rakhine (17), Ayeyarwaddy (1), and Magway (1).
- c. **Evacuation\*\*.** According to available information from NDMC, 912,277 people have been evacuated to safe places in Rakhine (576,597), Chin (1,509), Ayeyarwady (270,869), IDP camps from Rakhine (63,302). Based on available information from DDM Myanmar, of the 912K, 237,580 of which are staying in 454 evacuation centres (EC) in Chin (43 EC with 3,455 people), Sagaing (5 EC), Magway (51 EC with 5,117 people), Mandalay (*no data* EC with 6 people), Yangon (6 EC with 475 people), and Ayeyarwady (349 EC with 228,517 people). Additionally, according to the NDMC, 192 shelters are available in Rakhine (54 shelters with 24,800 total capacity), Chin (6 with 3,200 total capacity), Sagaing (11 with 5,600 total capacity), Magway (3 with 1,500 total capacity), and Ayeyarwady (118 with 84,685 total capacity). \*\*These are latest data from the affected areas. The data are still under collection.
- d. **Food.** 238,830 instant noodle packs have been distributed.



- e. **Health.** According to the NDMC, 283 Rapid Response Team personnel have been deployed in Rakhine (113), Chin (7), Sagaing (6), and Ayeyarwaddy (157). A total of 1,320,492 units of healthcare items such as oral rehydration packs (272,500), water purification tablets (3,936,000), emergency lights (1,000), chlorine powder boxes (644), disaster medical kits (946), interagency emergency health kits (IEHK) (182), and toilet bowls (3,000) have been delivered. NDMC has further deployed 72 Medical Treatment Team personnel in Rakhine (41), Chin (7), Sagaing (3) and Ayeyarwaddy (21).
- f. **Non-Food Items (NFIs).** According to the NDMC, the current NFI distributions of stockpiles are as follows:
  - i. 2,740 tarpaulin rolls in Rakhine (2,732), Chin (3), Ayeyarwaddy (1) and Sagaing (4)
  - ii. 1,947 tents in Rakhine (1,109), Ayeyarwaddy (209), Sagaing (526), and Magway (103)
  - iii. 186,201 roofing sheets in Rakhine (177,416), Ayeyarwaddy (7,269), Sagaing (526), and Magway (990)
  - iv. 9,911 life jackets in Rakhine (7,250), Chin (42), and Ayeyarwaddy (2,619)
  - v. Iron nails in Rakhine (22 visses / 37 kg)
  - vi. Nails in Rakhine (6424.2 visses / 10,793 kg)
  - vii. Timber logs in Rakhine (413.6 tonnes)
- g. **Water, Sanitation and Hygiene (WASH).** Four (4) vehicles with capacities of 35,000 gallons each that can serve 132,000 in total with purified water were deployed in Rakhine.
- h. **Transportation.** According to NDMC, 1,492 units for transportation support are deployed. 173 of which, are passenger vehicles deployed in Rakhine (89), Chin (42), and Sagaing (42); 655 of which, are cargo vehicles deployed in Rakhine (141), Chin (257), and Sagaing (257); 481 of which, are watercrafts deployed in Rakhine (477), Chin (2), and Sagaing (2); and 183 others, are ambulances deployed in Rakhine (128), Chin (10), and Sagaing (45).
- i. **Stockpile of Relief Items.** According to the NDMC, relief items have already been deployed. Current refilled stockpile of relief items is enough for 29,595 households, with details as follows: Rakhine (9,269), Chin (1,308), Ayeyarwaddy (5,955), Sagaing (5,248), Magway (4,265) and in GAD township offices and DMC offices (3,550).
- j. **Recovery.** 1,366 members of the police force and 1,144 members of the fire brigade are clearing debris in the affected areas.
- k. Data collection on the impacts and damages is ongoing by relevant authorities.

### **Response by the AHA Centre**

- a. The AHA Centre EOC remains on **Alert Level RED (Active Response)**.
- b. The AHA Centre mobilised Disaster Emergency Logistics System for ASEAN (DELSA) relief items in response to Tropical Cyclone MOCHA in Myanmar since 21 May. As of 22 May, at 1830 HRS UTC+7, the relief items worth 168K USD in the form of jerry cans, shelter repair kits, toolkit shelters, tarpaulins, and family tents have arrived in Yangon, Myanmar for further distribution to the affected community.
- a. The ASEAN-ERAT members arrived in Rakhine on 21 May 2023 and start the assessments on 22 May 2023 in the affected areas in Rakhine State. The ASEAN-



ERAT team split into two (2) groups, the first team (Alpha) conducted the assessment in Sittwe Township, and the second (Bravo) team conducted the assessment in Ponnagyun Township.

- c. The AHA Centre ICLT in Yangon are on standby to facilitate the reception of incoming DELSA relief items which shall then be handed over to DDM Myanmar for distribution.
- d. The AHA Centre ICLT in Naypyitaw also continue to provide support to DDM Myanmar in the development of situation updates/reports, logistics, communications, coordination, and other matters as necessary.

### **Response by ASEAN Member States and Humanitarian Partners**

Disclaimer: To identify potential gaps and needs and to avoid duplication of humanitarian efforts, below are some of the actions taken by other humanitarian actors in response to the impacts of TC MOCHA in Myanmar.

- a. Thailand handed over relief assistance including food and non-food items to the victims of TC MOCHA through the Ambassador of the Republic of the Union of Myanmar to Thailand on 22 May 2023. The aid is from the Thai government, Thai Red Cross Society, and private sectors. (Thailand Ministry of Foreign Affairs, 22 May 2023).
- b. Some international organisations such as United Nations (through [UN Crisis Relief](#) and respective UN agencies), [IFRC](#) and some Non-Governmental Organisations (NGOs) are now calling for humanitarian appeal fund to support the response in Myanmar due to TC MOCHA.
- c. UNOCHA has released [Flash Update #9](#) on 21 May 2023. Some updates include: (1) Sittwe and Rathedaung are the hardest hit areas in Rakhine. There are destructions of public infrastructure including health centres, hospitals, public schools, as well as disruption to water system, limit access to clean drinking water in Rakhine, and increasing the risk of waterborne disease especially among the affected population; (2) Partners who already have access are prioritising the distribution of food and critical relief items where they can. There are also efforts to transport additional supplies to address stockpiles shortages with pending necessary approvals for movement within and outside the country; (3) Awareness-raising messages are being disseminated in local languages to prevent waterborne disease in flood areas; (4) The number of unaccompanied children in Rakhine have increased, leading to urgent needs for child protection and appropriate support services.

## **4. PLAN OF ACTIONS**

### **The AHA Centre's Plan**

- a. The ASEAN-ERAT will continue the rapid assessment in the affected areas in Rakhine state.
- b. The AHA Centre will continue to mobilise DELSA relief items from the DELSA regional stockpile in Subang, Malaysia and the satellite warehouse in Chainat, Thailand, in coordination with DDM Myanmar to support the affected people by Tropical Cyclone MOCHA.
- c. The AHA Centre team, including the ICLT in Nay Pyi Taw and Yangon, will continue to support Myanmar's response effort under close coordination with DDM Myanmar.



- d. The AHA Centre will continuously update the impact information in the ASEAN Disaster Information Network (ADINet) on the impacts of TC MOCHA with the following identification numbers AHADID: [AHA-TC-2023-000504-MMR](#) | GLIDE Number: TC-2023-000069-MMR
- e. The AHA Centre will release Situation Update #7 of Tropical Cyclone MOCHA tentatively on Wednesday, 24 May 2023.

**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.

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## ANNEXES

Annex 1. DELSA relief items arrived in Myanmar on 21 May (left) and 22 May (right)

