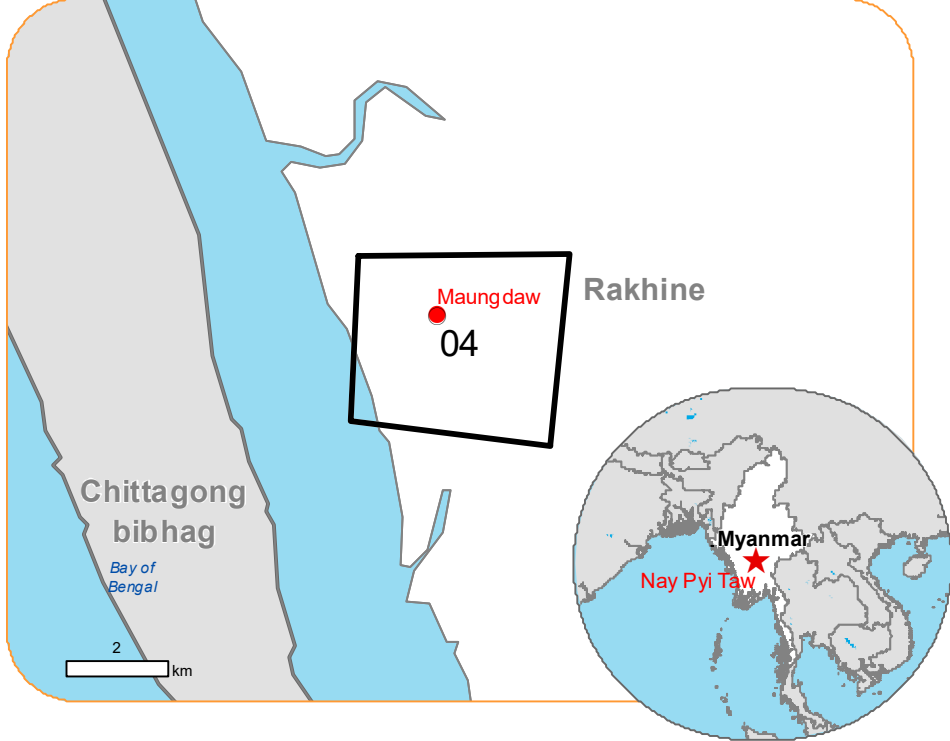




Situation as of 16/05/2023 04:43 UTC
Grading - Overview map 01



Flooded area 55.2 ha
Flood trace 5.8 ha
Potentially affected population ~ 80

Affected Built-up and Transportations

Built-Up 28 No.
Road 0.3 km

Crisis Information

Flooded
Flood trace

Built-Up Grading

- Residential Building, Destroyed
- Residential Building, Damaged
- Residential Building, Possibly damaged
- Non-residential Building, Destroyed
- Non-residential Building, Damaged
- Non-residential Building, Possibly damaged

Transportation Grading

- Road, Possibly damaged
- No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage

General Information

Area of Interest

Hydrography

- Coastline
- River
- Lake
- Land Subject to Inundation
- River

All data displayed on the map(s), as well as the Land Use - Land Cover layer, is available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
Tropical cyclone MOCHA-23 formed over the southern Bay of Bengal on 11th of May 2023 with predicted category 3 and winds up to 204km/h. It is expected to landfall on Sunday 14th of May in Sittwe city with maximum sustained winds up to 165km/h. Exposed population can be up to 2.6 million people.

Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2022), distributed by Airbus DS (acquired on 16/11/2022 at 04:35 UTC, resolution 0.5 m). Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 16/05/2023 at 04:43 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (current year), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Copernicus Global Land Service: Land Cover (2019). Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022 https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

The thematic layer has been derived from post-event satellite image using a by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq. m.

Map produced by e-GEOS released by e-GEOS on the 16/05/2023.

Details on this activation and service conditions available through the QR code or at the link: <https://emergency.copernicus.eu/EMSR661>



EMSR661 AOI: 04 Maungdaw Grading

Consequences within the AOI								
	Unit of measurement			Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flooded area		ha						55.2
Flood trace		ha						5.8
Estimated population	Number of inhabitants						~ 80	~ 16,000
Built-up	Residential Buildings	No.		5	1	7	13	NA
	Other non-residential buildings	No.		5	6	4	15	NA
Transportation	Primary Road	km		0.0	0.0	0.0	0.0	2.9
	Local Road	km		0.0	0.0	0.0	0.0	37.6
	Cart Track	km		0.0	0.0	0.3	0.3	5.0
			Very high damage	High damage	Moderate damage	Negligible to slight damage	Total affected**	Total in AOI
Land use	Inland wetlands	ha	NA	NA	NA	NA	22.0	176.1
	Other	ha	NA	NA	NA	NA	16.1	508.4
	Shrub and/or herbaceous vegetation association	ha	NA	NA	NA	NA	12.5	143.8
	Heterogeneous agricultural areas	ha	NA	NA	NA	NA	10.0	568.5
	Open spaces with little or no vegetation	ha	NA	NA	NA	NA	0.2	9.1
	Forests	ha	NA	NA	NA	NA	0.1	46.5
* Presence of damage proxies and proximity with destroyed/damaged asset ** Sum of all damage classes								

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

© European Union / Copernicus Emergency Management Service



PROGRAMME OF THE
EUROPEAN UNION

