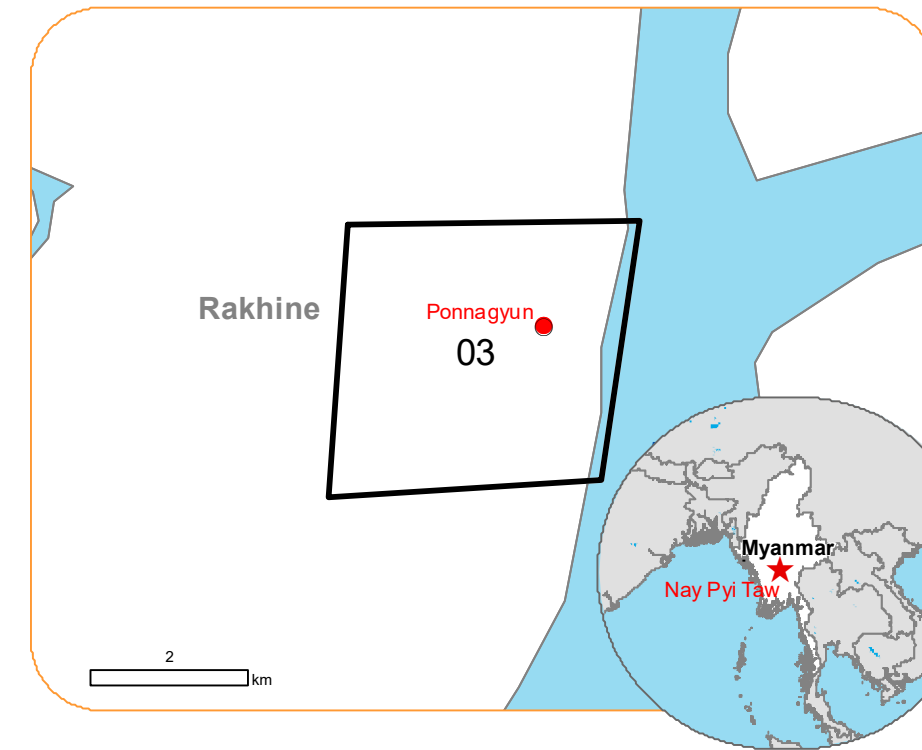




Situation as of 17/05/2023 04:35 UTC
Grading - Overview map 01



Affected Built-up and Transportations



Crisis Information

Flooded Area

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

Facilities Grading

- Possibly damaged

Transportation Grading

- Road, Damaged
- Railway, Damaged
- Bridge, elevated highway, tunnel and subway, Destroyed
- No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

General Information

- Area of Interest
 - Hydrography
 - Coastline
 - River
 - Lake
 - Reservoir
 - 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

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 10/11/2022 at 04:32 UTC, resolution 0.5 m). Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 17/05/2023 at 04:35 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 (2023), 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
Digital Elevation Model: SRTM (90 m) or (30 m) (NASA/USGS)

The thematic layer has been derived from post-event satellite image using a semi-automatic approach.
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 17/05/2023.

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



EMSR661 AOI: 03 Ponnagyun Grading

Consequences within the AOI								
	Unit of measurement			Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flooded area		ha						1.6
Estimated population	Number of inhabitants						NA	~ 29,000
Built-up	Residential Buildings	No.		318	389	58	765	NA
	Administrative	No.		0	1	2	3	NA
	Police station	No.		0	1	0	1	NA
	Fire station	No.		1	0	0	1	NA
	Industrial buildings	No.		3	2	0	5	NA
	School, university and research buildings	No.		19	1	0	20	NA
	Other non-residential buildings	No.		4	22	1	27	NA
	Hotel buildings	No.		0	1	0	1	NA
	Communication buildings, stations, terminals and associated buildings	No.		0	1	0	1	NA
Transportation	Bridges and elevated highways	km		0.1	0.0	0.0	0.1	0.1
	Primary Road	km		0.0	0.0	0.0	0.0	5.7
	Local Road	km		0.0	0.0	0.0	0.0	29.8
	Cart Track	km		0.0	0.0	0.0	0.0	6.7
	Long-distance railways	km		0.0	0.8	0.0	0.8	4.7
Facilities	Dams	ha		0.0	0.0	0.4	0.4	0.4
	Long-distance pipelines, communication and electricity lines	km		0.0	0.0	0.0	0.0	0.6
			Very high damage	High damage	Moderate damage	Negligible to slight damage	Total affected**	Total in AOI
Land use	Heterogeneous agricultural areas	ha	0.0	0.0	0.0	0.0	0.0	816.9
	Forests	ha	0.0	0.0	0.0	0.0	0.0	164.1
	Shrub and/or herbaceous vegetation association	ha	0.0	0.0	0.0	0.0	0.0	47.4
	Open spaces with little or no vegetation	ha	0.0	0.0	0.0	0.0	0.0	8.0
	Inland wetlands	ha	0.0	0.0	0.0	0.0	0.0	21.9
	Other	ha	0.0	0.0	0.0	0.0	0.0	165.2
* 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>

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