



Situation as of 15/05/2023 11:34 UTC
Delineation - Overview map 01



Observed Event
Flooded area 569.3 ha

Potentially affected population
~ 500

Potentially Affected Built-up and Transportations



Crisis Information

Flooded Area

General Information

Area of Interest

Detail map

Administrative boundaries

Municipality

Built-Up Area

Non residential

Unclassified

Hydrography

Coastline

River

Lake

Land Subject to Inundation

Reservoir

River

Facilities

Sport and recreation constructions

Transportation

Main road

Local road

Event:

Tropical cyclone MOCHA-23 formed over the southern Bay of Bengal on 11th of May 2023 with redicted 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: Sentinel-2A/B (2023) (acquired on 27/02/2023 at 04:17 UTC, resolution 10 m). Post-event image: COSMO-SkyMed © ASI (2023), distributed by e-GEOS S.p.A. (acquired on 15/05/2023 at 11:34 UTC, GSD 3.0 m). 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, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics, Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, 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 semi-automatic approach. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 6.0 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 576 sq. m.

Map produced by GMV 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 - AOI01

Storm in Myanmar

SITTWE CITY

Situation as of 15/05/2023 11:34 UTC
Delineation - Detail map 02





Observed Event
Flooded area 31.6 ha
5.6% of total in AOI



Potentially affected
population
~ 150

Potentially Affected Built-up and Transportations



Road 0.01 km
0.003% of potentially affected

Crisis Information

- Flooded Area

General Information

- Area of Interest

Hydrography

- River
- Lake
- Land Subject to Inundation
- Reservoir

Transportation

- Main road
- Local road
- Track

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are 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 redicted 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.

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 EMSR661 - AOI01
Storm in Myanmar
SITTWE CITY


Situation as of 15/05/2023 11:34 UTC
Delineation - Detail map 03




 Observed Event
Flooded area 33.8 ha
5.9% of total in AOI

 Potentially affected population
~ 0


Crisis Information

-  Flooded Area





General Information

-  Area of Interest




Administrative boundaries

-  Municipality

Built-Up Area

-  Unclassified
-  Lake
-  Land Subject to Inundation
-  River

Transportation

-  Local road
-  Track
-  Railway

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Event:
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EMSR661 AOI: 01 Sittwe city Delineation

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		569.3
Estimated population		Number of inhabitants	~ 500	~ 110,000
Built-up	Public entertainment buildings	No.	0	NA
	Buildings used as places of worship and for religious activities	No.	0	NA
	Communication buildings, stations, terminals and associated buildings	No.	0	NA
	Unclassified	No.	0	NA
Transportation	Airfield runways	ha	0.0	61.5
	Airfield runways	km	0.0	2.9
	Primary Road	km	0.0	19.2
	Local Road	km	0.5	257.5
	Cart Track	km	3.6	151.2
	Long-distance railways	km	0.0	15.6
Facilities	Sport and recreation constructions	ha	0.0	0.8
Land use	Heterogeneous agricultural areas	ha	548.3	8,688.3
	Other	ha	15.6	1,723.1
	Shrub and/or herbaceous vegetation association	ha	5.4	208.1
	Forests	ha	0.0	6.7

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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