



Capability Statement

Mozambique Marine Baseline and EIA

Client: ERM and Italian-Thai Development Corporation Ltd



WORK DONE

- Desktop assessment of the available information (formal and 'grey' scientific literature, historical and current imagery) for the region to enable the screening level assessment of the proposed site at Macuse River mouth and surrounding area.
- Detailed site investigation and survey around the preferred port site (coastal and riverine environments) to enable the development of the environmental baseline description as well as to inform and ground truth engineering models.
- An analysis of the risk factors presented by the construction and operation of the proposed port.
- Conducted the marine EIA process.
- From the results of the baseline and EIA process a comprehensive environmental plan was produced.

ENVIRONMENTAL SURVEYS FOR EIA

- Nearshore and estuarine water column characterisation
- Mangrove health and biodiversity surveys
- Local fisherman catch observations

- Characterisation of marine and estuarine environment surrounding the site (site walk through photographic evidence collection).
- Seafloor and beach sediment sample collection, at pre-determined sites, for post-survey sediment property analysis as well as macrobenthos identification.

OUTCOMES:

Developed an in-depth understanding of the estuarine and nearshore environment in Macuse, Mozambique. Provided the client with a full EIA, EMP to inform further design and regulatory processes.



“Baseline description, environmental impact assessment and management plan for the proposed coal export and port development in central Mozambique”