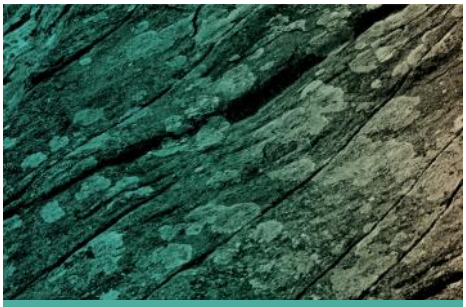

Moanda manganese mine
Gabon

Moanda ore train station expansion project

COMILOG SA

EARTHWORKS AND DRAINAGE DETAILED DESIGN

(FEL 4)

2021

Project fees :

17 000 Euros

MECATER INGÉNIERIE

Ore train railways expansion design

Project description

COMILOG had set a target of 7 Mt/yr of manganese production capacity by 2023 and plans to revamp and expand the line's transport capacity to suit the mine output raise.

MECATER provided detaild design for earthworks and drainage of the ore train station expansion project.

The project consists in designing rail terraces, ore stockyards and water drainage culverts to support 3 additional kilometers of railways.

MECATER services included soil investigation program, earthworks, civil and drainage design, tender packages development and bid evaluations preparation.

Key data

- 1.7 km additional rail lines, 1.4 km existing lines expansion
- 250 000 cubic meters of earthworks including rock blasting
- 4 culverts (1500 mm diameter) including civil works
- 2,5 km of underdrainage system

Scope of work

- Soil investigation specifications and supervisions of geotechnical testing
- Geometric design of rail tracks including, engineered fill, subgrade, capping layer and ballast specifications
- Surface water management and underdrainage design
- Design of early works and temporary access roads for construction phase
- Earthworks and drainage cost estimate
- Construction schedule
- Tender packages preparation
- Client's assistance for bid evaluations