

Foskor DSF Replacement Project



Location	Phalaborwa Limpopo
Client	Foskor
Project Type	Electrical and Instrumentation Installation (Lighting & Small Power)
Value	R 22 Million
Duration	8 Months
Completion Date	14 November 2014

Project Overall Description

Foskor is a proudly South African producer of phosphates and phosphoric acid with international exposure. Foskor unlocks shareholder value through the profitable, responsible and sustainable beneficiation of phosphate rock into either phosphoric acid or phosphate-based granular fertilisers sold globally. Founded in 1951, Foskor's Mining Division in Phalaborwa mines phosphate rock, from which Foskor's Acid Division in Richards Bay produces phosphoric acid and phosphate-based granular fertilisers for local and international markets. The opencast mine in Phalaborwa has the capacity to produce 3 million tonnes per annum of phosphate rock concentrate from 35 million tonnes of ore mined per annum. Once crushed, milled, concentrated and dried, most of the phosphate rock concentrate is railed to Foskor's processing plant in Richards Bay, 800 km away on the KwaZulu-Natal coast. The D Stream Flotation Plant Replacement (DSF) project originates from Foskor's infrastructure replacement strategy. This project will ensure that the installed flotation capacity remains at a level which makes it possible to produce circa 3 million tons of concentrate per annum (mtpa).

Scope of Works

Supply and Install Cable Racking and Electrical and Instrumentation Cabling, Cable Trenching, Termination of Electrical Equipment (Transformers, Motor Control Centre, Variable Speed Drive's, Battery Trip Unit's, Uninterruptable Power System, and Medium Voltage & Low Voltage Motors). Install and Termination of Earthing, Distribution Boards, Panels, Welding Sockets, Field Control Station and Lighting and Small Power. Instrumentation Installation and Termination, Solenoid Junction Box Tubing Installation, Instrument Power Distribution Boards, Programmable Logic Controller and Fibre optic Terminations. Test and Pre-commission all E&I Works. QC Handover of all E&I work to Client, as per Client Specifications.

