

MAKHADO COAL PROJECT



Client: Coal of Africa Limited

Site/Location: Makhado (Louis Trichardt), Limpopo

Project Period: April 2010 – November 2010

Project Description:

RSV ENCO was appointed as Lead Consultant to provide overall co-ordination of the feasibility study as well as the design of the on-mine surface infrastructure.

The project included:

- Overall project management and co-ordination of independent consultants
- Development and maintenance of overall project schedule
- Design of on-mine surface infrastructure with an engineering effort to provide an accuracy of $\pm 15\%$ capital estimate
- Overall risk assessment
- Operating cost estimates
- Compilation of overall project capital budget estimate

Services provided:

- Project management
- Management and control of the overall plot plan
- Civil, mechanical and electrical design
- Process flow diagrams for the provision of potable, fire and service water
- SLD for electrical reticulation
- Detailed engineering drawings and layouts to the level of engineering of $\pm 35\%$ for:
 - Major infrastructure layouts
 - General arrangements of major infrastructure facilities
 - Architectural sketches
 - Detailed discipline drawings for buildings and structures
 - Document control
- Compilation of overall feasibility report including Executive Summary Report