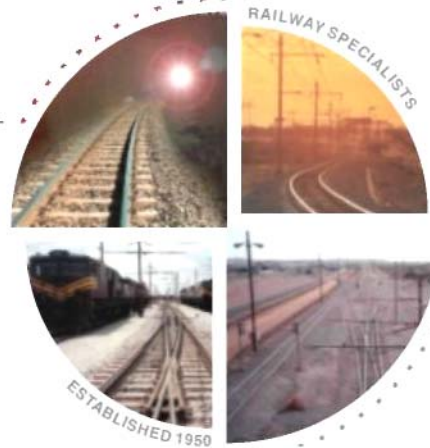


PROJECT SHEET

MOATIZE COAL PROJECT

Client : Rio Doce Mozambique (Pty) Ltd
Location : Beira & Moatize Mozambique
Involvement : Feasibility Studies and Designs
Value : R2 million
Purpose : To conduct feasibility studies into train operations and the detailed design of the relocation of the existing railway line
Duration : September 2007 – January 2008



R&H was appointed by RDMZ a subsidiary of CVRD (Brazil) to assist in various feasibility studies regarding train operations and associated infrastructure along the Moatize-Beira railway line. R&H also completed a detailed design of a 10.3km relocation of the existing railway line connecting Moatize with the Sena line.

The detailed design of the 10.3km relocation of the existing railway line was required as the existing railway line follows a route through the mining infrastructure planned for the coal project. The design included alignment, 24 culverts as well as the preliminary layout design of two bridges.

Large coal reserves are located in the area of Moatize. As part the RDMZ Moatize Coal project RDMZ are investigating various options so as to optimise the entire coal export operation.

The feasibility studies included investigations into various train consist configurations, various train simulations were completed as part of the study. Results were used to determine the best solution so as to maximize cost efficiency. Associated infrastructure was identified (Rolling stock maintenance facilities and Operations buildings) and preliminary designs completed. The terminal layout at Beira was optimized.



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