

NORTHERN RAIL EXTENSION: TSUMEB - ONDANGWA

Country:	Location within country:	Professional staff provided by your firm:	
NAMIBIA	Tsumeb - Ondangwa	HP Kruger V Rieger L de Haast Dr P Strauss W Hundemer K Steyn G Leicher F Swanepoel L Naanda C Kornelius	
Name and address of client:		No. of staff months:	No. of staff:
Ministry of Works and Transport Department of Transport Private Bag 12005 Ausspannplatz Windhoek		18 months	9
Start date:	Completion date:	Approx. value of services in current N\$:	
08 June 2001	16 July 2006	N\$ 19 Million	

Narrative description of project:

The project entailed the construction of a new railway line between Tsumeb and Ondangwa (246km). In order to create job opportunities, predominantly labour-based construction methods were used. The project was divided into 29 contracts and some 19 000 people were employed during the project. Special attention was given to the pavement design due to the fact that only marginal materials such as silcretes and calcretes were available. Due to the large number of contracts on the project; special attention was given to overall project management of the project.

Description of actual services provided by your staff:

Detail design inclusive of : Detail survey, materials investigation, centerline soil survey, geometric design, pavement design, contract documentation, tendering phase, evaluation of tenders and tender award
 Construction Supervision: Provision of full time supervisory staff (21) on site together with three fully equipped engineering laboratories capable of doing soils and concrete testing.

