Base Titanium Ltd

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Project Overview

Project Setting

The Special Mining Lease lies within the Kwale license area of 56km^2 and is located approximately 50 kilometres south of Mombasa, and 10 kilometres inland from the Indian Ocean.

The Project comprises two areas, separated by the Mukurumudzi River, that contain economically viable concentrations of heavy minerals. These are the Central Dune and the South Dune. A third dune, the North Dune is not currently included in the resources.

Geology & Mineralisation

The mineralisation in these three zones lies within stratified aeolian sands of the Magarini Formation and consists mainly of ilmenite, rutile and zircon. The deposit forms a belt of low hills running parallel to the coast. The sands are deposited by wind action as coastal dunes after conditions of intense erosion causing heavy minerals, mainly ilmenite, rutile and zircon to be locally concentrated.

`Typical Cross Section - Central Dune and Mineral Sands at Kwale`

Mineral Resource & Reserve Estimate

`Location of Kwale Dunes`

The Kwale Project is comprised of three mineralised zones, Central, South and North, which occur as unconsolidated dunes.

The Project is based on the Central and South Dunes with a combined mineral resource of 146 million tonnes at 4.9% total heavy minerals (â€œTHMâ€■) comprising 2.6% ilmenite, 0.65% rutile and 0.29% zircon.

A further indicated resource of 116 million tonnes at a grade of 2.1% THM has been reported at the North Dune.

Mining & Mineral Processing

The Kwale Project comprises the following components.

- Mining operations
- Wet plant
- Slimes and tailings disposal
- Mineral Processing Plant
- Product storage and shipping
- Related infrastructure

From the dozer trap mining operations ore will be fed by an overland conveyor to a wet plant where the slimes and tails are removed and a heavy mineral concentrate (â€œHMCâ€■) delivered to a Minerals Processing Plant for separation of the three valuable products ilmenite, rutile and zircon. The products will be trucked to a port installation at Likoni where they are stored prior to loading into ships via a high rate conveyor loading system.

`Simplified Process Flowsheet`

See Development Progress.

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