

1. Introduction

The current operational risk is the risk that would otherwise be realised if the following technical machine requirements are not met and therefore the bidders must confirm with the required documentation.

2. Summary

The following bidders were assessed, and the summary results are below:

NB. 0% mean the bidder did not confirm none of the technical questions with required documentation

100% mean the bidder did confirm all the technical questions with the required documentation

Operational Risk – Modawomen JV	Bidder's Response		Supporting Documentation Required
	Bidder	Evaluator	
Bidder to offer a testing software not older than 5 years			Letter confirming software age by the Original Software owner or developer
All vehicles shall fit the rail structure gauge of 1065mm.			Machine specification
The Contractor to submit the machine delivery plan from the award date to commissioning of the machine			Delivery plan
All vehicle(s) shall be self-propelled and be capable of travelling and measuring in both directions on rail.			Machine specification
The Bidder must indicate whether it can and will provide training to Employer staff on system outputs and data analysis.			Letter of commitment by the bidder
The Measuring Vehicle shall have on-board graphical displays of all measurements done, including high-resolution graphic video monitors that indicate all probe parameters, status information and events, plus the ability to review off-line playback			Machine specification
All equipment shall be capable of measuring all rail profiles in the range from 30 kg/m to 60 kg/m			Machine specification
All vehicles and measuring equipment shall be capable of operating in the rail temperature range of between - 10 to + 70 degrees Celsius.			Machine specification
The probe configuration shall cover at least 80% of the head, 95% of the web and 10% of the foot of the rail in			Machine specification

Transnet Rail Infrastructure Manager

A Division of Transnet SOC Ltd

Tender Number: SIC25004 (HOAC-VAR-56319)

Description of the Service: For the inspection of railway track with on-track ultrasonic rail flaw detection machines for all lines owned and maintained by Transnet countrywide for a period of twenty-four (24) months.

all longitudinal directions. Probe range shall be from 0 to 70 degrees (inclusive), in both longitudinal directions.			
All vehicle(s) shall be able to produce the data analysis and reporting of all measurements done.			Machine specification
The reports produced must be downloadable to compatible Transnet computer systems as soft copies.			Machine specification/relevant document
The Measuring Vehicle must be able to measure effectively at speeds of up to 38km/h.			Machine specification
The Bidder must indicate whether the system can size, and position of all defects reported with a resolution of 2 mm minimum in the longitudinal direction and 2 mm minimum in depth and 2 mm minimum in width.			Machine specification
All vehicles shall have service brakes and independent emergency brakes capable of providing minimum retardation of 12,5% and gravitational acceleration of 6%			Machine specification
All vehicles must be capable of travelling by rail and road and have the ability to on/off track.			Machine specification
All vehicle loading shall not exceed 20 tonne / axle.			Machine specification
All vehicles must be capable of measuring and travelling on a maximum track gradient of 1:30.			Machine specification
The machine shall be capable of being hauled in both directions as the last vehicle of a train if required to clear the section when on breakdown.			Machine specification
All vehicles shall be equipped with a GPS capable of achieving sub-meter accuracy.			Machine specification
The Bidder must provide a layout diagram of the measuring car (machine).			Machine specification/SOP
The Bidder must provide manuals and documentation regarding the technical operation of the measuring car and systems.			Manual and documentation of operation
All vehicles shall be fitted with a hooter for use during travelling and operations audible within 300m from the measuring car.			Machine specification

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All vehicles shall be fitted with a rotating amber light on top of the measuring car's cab.			Machine specification
All vehicles shall comply with South African road traffic legislation.			Natis documents
A minimum of 15 test channels per rail is required (inclusive of 2 gauge & 1 side looker).			Machine specification

Signed

Date

Name

Position