HOAC-HO-49439: FOR SUPPLY, DELIVERY, INSTALLATION OF HOT BEARING EVALUATOR DETECTOR SYSTEMS (HBEDS) FOR PILOT TESTING IN ORDER TO FRAME SUCH SYSTEMS TO AN APPROVED LIST OF CONDITION ASSESSMENT TECHNOLOGIES. THE TESTING WILL TAKE PLACE AT TRANSNET'S NORTH CORRIDOR AND ORE CORRIDOR OVER A PERIOD OF 18 MONTHS.

ANNEXURE A: SCOPE OF THE TENDER

Supply, Delivery and Installation of Hot Bearing Evaluator Detector Systems (HBEDS)

1. Scope

1.1. The suppliers are to submit proposals for the supply, delivery and installation of the Hot Bearing Evaluator Detector Systems (HBEDS).

1.2. The supplier shall ensure that the HBEDS is fully integrated into the ITCMS. Any works that needs to be done on the ITCMS shall be done by the OEM of the ITCMS at the supplier's cost.

1.3. The suppliers are to provide HBED technologies that comply to TFR specifications and that will be subjected to pilot testing.

1.4. The installation/ system shall be tested for full compliance before acceptance. The installation shall be evaluated for a period of twelve (12) months before sign-off.

1.5. Compulsory site clarification meetings shall be held in Koedoespoort, Saldanha and Ermelo).

1.6. All safety rules and regulations must be observed when on site, it is the sole responsibility of the contractor to ensure that, daily safety talks are conducted each day and recorded on safety file before work commences; the safety file must be maintained and kept on site.

1.7. The supplier shall provide any specialised tools and calibration equipment that is required.

1.8. The supplier must specify the warranty period, terms, conditions and exclusions for all equipment and material offered. A warranty period less than one year will not be accepted.

1.9. The supplier shall be required to cover all maintenance and repair (including travel) costs during the first 12 months of the systems operation.

1.10. All software license costs should be once-off and be included in the price of the system

1.11. The supplier shall provide the as built document, which contains brochures/ diagram and equipment specification for work undertaken; each as built document shall consist of the following:

1.11.1. Three (3) sets of hard copies per site.

1.11.2. Three (3) USB's with complete documentation as contained in the file.

1.11.3. The bill of equipment and material used for each system.

1.12. **The following information shall be submitted with the tender bids:**

1.12.1. A comprehensive proposal outlining the details of how the work will be carried out.

1.12.2. Drawings and diagrams with specifications and or technical data sheets of the items that will be offered.

1.12.3. The company's technical capacity including the Organisational Structure.

1.12.4. A detailed project schedule.

1.12.5. The supplier shall provide detailed evidence of the existing OEM's systems installed on other international freight railway lines including approval letters and or technology endorsement.

1.13. **Training shall be provided as follows:**

1.13.1. Two (2) training sessions of 10 delegates each shall be offered at Koedoespoort and Saldanha.

1.13.2. Each delegate shall be issued with learning material (Full sets of manuals plus a USB).

1.14. **BoM and Spares**

1.14.1. Bidders must submit the Bill of Material (BoM) with unit costs for the individual items quoted for per installation site; the total amount is what will be carried over to the quotation.

1.15. The pilot sites identified are on the North Corridor and the Ore Corridor as tabulated below, however TFR reserves the right to change the pilot sites after the award of the contract.

Corridor	Line Section Location	Traction Electrification
North	Ermelo to Richards Bay	25KV AC
North	Pyramid South to Ermelo	3KV DC
Ore	Sishen to Saldanha	50 KV AC