



TRANSNET INSEZI WAGON MAINTENANCE DEPOT

REPAIRS TO PAVED PARKING BETWEEN PIT AREA AND ADMIN BUILDING

REFERENCE NO.: OPS_LOC_RCB_SOW_014

Scope Revision: 01

Date of release: 28 March 2023

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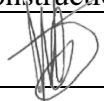

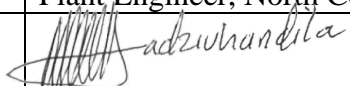
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Signature of Bidder/s: _____

Date: _____

Document Authorities

| | |
|---------------------|--|
| Department | PEMM |
| Department Affected | PEMM |
| Effective date | March 2023 |
| Compiled by | Stanley Mchunu |
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| Signature & Date |  24.04.2023 |
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| Designation | Plant Engineer, North Corridor |
| Signature & Date |  12-04-2023 |

Signature of Bidder/s: _____

Date: _____

1. INTRODUCTION

This specification is for the:

| # | TASK | REQUIRED |
|---|--------------|----------|
| 1 | Supply | ✓ |
| 2 | Delivery | ✓ |
| 3 | Repairs | ✓ |
| 4 | Installation | ✓ |

1.1 Scope of Works

Repairs to paved parking between Pit Area and Admin Building.

- **This is a fixed value contract so the Tenderer shall ensure that all the costs (for materials, plant, labour, P&G items and any other items) are factored and included into the tendered price.**

2. SITE INSPECTION

2.1 Arrangements to visit the site and confirmation of the date and time of the site inspection shall be made with the Transnet Engineering Project Manager.

3. INFORMATION REQUIRED

- 3.1 Offers will not be considered unless full particulars and sufficient literature are provided at the tendering stage to enable Transnet Engineering Technical Officers the opportunity to assess each technical offer properly.
- 3.2 Prospective Contractors will complete the relevant questionnaire in full and must indicate whether their offer complies with each item of the specification.
- 3.3 Should there be insufficient space for furnishing full details; prospective contractors shall provide the additional details in their covering letter. The additional details shall be numbered in accordance with the applicable clause specified in the specification.
- 3.4 As prospective contractors are considered to be experts in their field, they are obliged to identify any shortcomings, such as omissions or sub-standard requirements, to the completeness of this specification. These must be brought to the attention of Transnet Engineering at tender stage with alternatives to address these shortcomings. However, each offer shall be quoted for separately.

4. TECHNICAL REQUIREMENTS

The following regulation and codes must be complied with:-

- The Occupational Health and Safety Act – Act 85 of 1993.

- 4.1 Except where otherwise provided for in the specification, all equipment offered will comply with the requirements of the relevant standard specifications of the SABS/SANS, if published, otherwise with the relevant standard of the British Standards Institution in force at the time of tendering.
- 4.2 Where equipment offered complies with the recognized standards of the country of manufacture and not specifically with the standards required by this specification, such equipment will be considered at the discretion of Transnet Management. In this case, Tenders shall state fully all respects in which the equipment departs from the standard laid down in this specification.
- 4.3 The successful Tender will at the conclusion of the installation provide a document along the lines “that the installation complies with national/international requirements and that all selected /designed items are

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compliant with Act 85 of 1993 and SABS/SANS practices applicable to the installation. The equipment has been commissioned/ calibrated and employees as specified have been trained and found competent to operate the plant.”

5. SPECIFIC REQUIREMENTS

Any person with the intention of procuring the materials shall ensure that the information below is complied with. The requirements are binding.

5.1 Scope of works

| Item no. | REQUIREMENTS | Details of Offer Comply (Yes) Does not Comply (No) |
|----------|--|--|
| 5.1.1 | Read this scope of work with document number, Annexure 1 (Transnet contractor safety, health and environmental management specification guidelines TRN-IMS-GRP-GDL-014.2). | |
| 5.1.2 | The service provider is required to submit a SHE Contractor Compliance file at their own cost (Index to be provided to the successful service provider); - This file shall be submitted after the Purchase Order has been issued, not at tender stage. | |
| 5.1.3 | <ul style="list-style-type: none"> The appointed contractor shall note that this is a minimum specification for the Repairs to paved parking area between Pit Area and Admin Building. All site operations, the relevant legislation and guidance on matters pertaining to safety must be strictly adhered to, as well as labour, transport, tools and all other items required to start and complete this project, is a responsibility of the successful contractor. | |
| 5.1.4 | All materials shall be SABS/SANS approved. | |
| 5.1.5 | The works (workmanship and materials) shall have a warranty and a provision for emergency for damages. | |
| 5.1.6 | <p><u>REPAIRS TO PAVED PARKING AREA BETWEEN PIT AREA AND ADMIN BUILDING</u></p> <p>The contractor is to have the area surveyed before any construction to determine the existing paving tie-in levels, as well as the invert level and grade of the 525mm diameter concrete stormwater pipe, as these levels are to be maintained.</p> <ul style="list-style-type: none"> Survey & invert level results shall be submitted to the Project Manager prior to work commencing. Paving bricks to be carefully removed and stored on site and later re-laid. Once paving bricks have been removed, the exact extent of the sink hole is to be surveyed and submitted to the Project Manager. Remove and replace 525mm Ø 100D concrete pipe complete with bedding that has cracked. No pipe shall be installed in the trench until excavation has been properly constructed per the Engineer’s details. The stormwater line must be laid accurately to line and grade. The 525mm diameter stormwater pipe is to be cut flush with the manhole wall and any gaps grouted. Inspect joints and test for leaks prior to backfill. Demolish and rebuild only portion of brick stormwater grid inlet manhole that has cracked. | |

Signature of Bidder/s: _____

Date: _____

| | | |
|-------|---|--|
| | <ul style="list-style-type: none"> • Suitable backfill material free of clay, vegetation and boulders to be imported and stabilized with 2% cement and placed in 150mm layers to fill the sinkhole, compacted to 95% MOD AASHTO. • Import and lay a 150mm G5 base layer compacted to 98% MOD AASHTO • Import and lay a 20mm Riversand bedding • Soil poison and relay paving bricks and grout in place. • Damaged/broken/missing paving bricks are to be supplied and replaced, matching the existing profile and color. • Soil compaction test shall be confirmed by a SANAS accredited Lab. | |
| 5.1.7 | 12 months warranty and maintenance shall be included. | |
| 5.1.8 | Once the works is complete the contractor shall clean the area and remove all rubble away from site. | |
| 5.1.9 | Upon completion, the contractor is to provide an as-built survey of the rehabilitated stormwater pipework, manhole and paved area. | |

5.2 Installation

All work is to be:

- in accordance with Transnets requirements
- in accordance with SABS/SANS
- to the Engineers satisfaction

6. Health and safety requirements

- 6.1 All equipment and installation whether detailed in this specification or not shall comply with the requirements of the Occupational Health and Safety Act 85 of 1993 as amended and all other applicable legislation including specific set of regulations and local authority bylaws where applicable.
- 6.2 The contractor shall hold monthly safety meetings with staff and records of minutes shall be kept on file on site.
- 6.3 The contractor shall be available for daily/weekly meetings with Transnet Management. A schedule for these meetings may be agreed upon.

7. SHE specification

- Prior to commencement of contract, the contractor shall be issued with a SHE specification in order to compile a SHE file in line with TE requirements.
- Prior to establishing on site, it is an explicit requirement of this contract that all of the Contractor's personnel directly involved with this contract, including those of sub-contractors, attend a Safety induction course. Transnet will provide the course free of charge and attendance is compulsory for all personnel under the control of the Contractor who, during the duration of the contract, will be present on site whether on a full time or adhoc basis.
- The contractor must allow for all additional charges because of these requirements as no claims for extras will be accepted in connection with the foregoing.

Signature of Bidder/s: _____

Date: _____

8. As part of the legislative and TE SHE requirements.

- The successful contractor is required to conduct a Risk assessment to ascertain all potential risks associated with this project. The completed risk assessment is to potential risks associated with this project. The completed risk assessment is to be formally submitted to the Risk department via the project manager at least two weeks prior to the commencement of the actual project.
- A safety file and associated documents will be required from a successful tenderer and such will be communicated by the Risk department.

9. Requirements for prevention of Covid-19

- a) 1 COVID-19 Safety Plan.
- b) Daily Screening questionnaire.
- c) Return to work induction register- Induction Presentation/TE will also conduct the COVID-19 induction.
- d) COVID-19 Employee questionnaire checklist.
- e) Fitness Certificates.
- f) Risk Assessments register.
- g) COVID-19 PPE issue register/sanitizer.

10. Construction Industry Development Board (Cidb) Registration

The Tenderers to be appointed under this Project must be registered with the **CIDB Grading of minimum 1CE** registration, TRANSNET ENGINEERING Durban does not award Projects to any company without proof of this registration.

Signature of Bidder/s: _____

Date: _____

11. TENDER_EVALUATION_CRITERIA

The following criteria will be used to award the tender. Should there be a criteria over and above the listed below, that will be used, such criteria will be specifically stated.

Technical

| No. | Pre-Qualification Criteria TECHNICAL DESCRIPTION (The technical evaluation will be used as a threshold. All bidders who do not meet the minimum threshold of 80% will not proceed to the final stage of evaluation.) | Weightings |
|------|--|------------|
| 11.1 | Reporting Structure (Organogram) to be used for this contract Staff credentials (CV's) of staff to be used for this contract. 1. Organogram and staff credentials submitted - 10 points. (Safety Manager = 5 points & Civil Engineer = 5 points) 2. No organogram and staff credentials submitted - 0 (Note: if 1 of the 2 is submitted, then the bidder will score 0). | 10 |
| 11.2 | Project Plan and Final Lead time 1 Project Plan final Lead time equals/less than 0 to 2 weeks – 15 points 2 Project Plan final Lead time more than 2 weeks – 5 points 3 No Project Plan final Lead time submitted – 0 points (Note: Project Plan must be submitted in either excel or MS project format only) | 15 |
| 11.3 | Compliance to scope of work and specifications 1 Comply to scope of work – 15 points 2 Non-compliance to scope of work (including not completed) – 0 | 15 |
| 11.4 | Specific knowledge relating to projects of this nature Previous experience <u>only</u> construction of sewer networks and stormwater pipes (only completed projects & similar) in the past 5 years, with contactable references. 3 or more submitted – 20 points 2 submitted – 10 points 1 submitted – 5 points 0 submitted – 0 points | 20 |
| 11.5 | Methodology and Approach 1. Approach paper which responds to the scope of works & outlines proposed approach and methodology, besides meeting the good rating, the important issues are approached in an innovative & efficient way, indicating that the tenderer has outstanding knowledge of state-of-the-art approaches. The approach paper details ways to improve the project outcomes & the quality of the outputs = 30 Points 2. The technical approach and/ or methodology is poor/ is unlikely to satisfy project objectives or requirements. The tenderer has misunderstood certain aspects of the scope of works and does not deal with the critical aspects of the project = 1 Points 3. No response/ no documents submitted | 30 |
| 11.6 | Safety, Health and Environmental Management Plans 1. Health & Safety Submission of the policies and procedures/plan. = 5 Points 2. Environmental Submission of the policies and procedures/plan=5 Points 3. No submitted Health & Safety Submission of the policies and procedures/plan. = 0 4. No submitted Environmental Submission of the policies and procedures/plan=0 | 10 |

| | |
|---|-------------|
| Total Weighting: | 100% |
| Minimum qualifying score required: | 80% |

Signature of Bidder/s: _____

Date: _____

12. ACTIVITY SCHEDULES AND PRICES

All prices **exclude Vat** and additional items listed (with prices) shall be clearly labelled as optional or essential.

| Item | Qty | Price per item | Price |
|--|-------------------|----------------|----------|
| Health and Safety | 1 | R | R |
| Site establishment | 1 | R | R |
| Site clearance & Setting out | 1 | R | R |
| Remove brick paving, store on site and to be later relaid | 100m ² | R | R |
| Replace broken/damaged/missing brick paving to match existing | 100m ² | R | R |
| Suitable backfill material free of clay, vegetation and boulders to be imported and stabilized with 2% cement and placed in 150mm layers to fill the sinkhole, compacted to 95% MOD AASHTO | 340m ³ | R | R |
| Import and lay a 150mm G5 base layer compacted to 98% MOD AASHTO | 15m ³ | R | R |
| Import and lay a 20mm Riversand bedding | 4m ³ | R | R |
| Soil poison and relay paving bricks and grout in place. | 100m ² | R | R |
| Demolish cracked stormwater wall and pipe and dump off site | 2 m ³ | R | R |
| Rebuild stormwater manhole walls with CPM precast manhole chamber ring (1000mm x 1500mm Ø) | 9m | R | R |
| Replace 525mm Ø 100D concrete pipe complete with bedding | 2.44m | R | R |
| Survey and invert levels prior to construction | 1 | R | R |
| Initial survey and As-built survey at completion of the works | 1 | R | R |
| Compaction test results | 1 | R | R |
| Soil poisoning test results | 1 | R | R |
| Underground gas test suitable (duration of works) | 1 | R | R |
| P & G's (fixed and time-related) | 1 | R | R |
| Engineer's fees Is this required? | Sum | | R |
| Sub-Total | | | R |
| Contingencies allowance (10% of sub-total) | Sum | 10% | R |
| | | | |
| | | | |
| | | | |
| Total (Excl. VAT) to tender form | | | R |

Tenderer: _____

Date: _____

Witness 1: _____

Date: _____

Witness 2: _____

Date: _____

Signature of Bidder/s: _____

Date: _____

13. COMPLIANCE VERIFICATION

ITS IS MANDATORY FOR ALL THE SUPPLIERS/BIDDERS TO COMPLETE THIS FORM. AN INCOMPLETE FORM WILL RESULT IN DISQUALIFICATION.

| No. | Heading/Subsection | Comply (Yes or No) | Comment |
|-----|-------------------------------|--------------------|---------|
| 4 | Technical Requirement | | |
| 5 | Specific requirement | | |
| 5.1 | Environment | | |
| 5.2 | Supply and delivery | | |
| 5.3 | Scope of work | | |
| 5.5 | Warranty | | |
| 8 | Health and Safety requirement | | |
| 14 | Penalty clauses | | |

TENDERERS: PLEASE NOTE THAT YOUR TENDER WILL BE REJECTED IF ANY OF THE ABOVE ITEMS ARE OMITTED OR NOT FILLED.

Signature of Bidder/s: _____

Date: _____