



**SPECIFICATION FOR PROVISION OF REMOVAL FOUNDRY SAND  
WITHIN KOEDOESPOORT CENTRE**

## **1. BACKGROUND:**

Transnet Engineering, an operating division of Transnet SOC Ltd, is the backbone of South Africa's railway industry with nine product-focused businesses, 132 depots, seven factories and 13,000 employees countrywide. The 132 depots are strategically divided into six main regions. The organization is dedicated to in-service maintenance, repair, upgrade, conversion and manufacture of freight wagons, mainline and suburban coaches, diesel and electric locomotives as well as wheels, rotating machines, rolling stock equipment, castings auxiliary equipment services and the port business.

### **1.1 Koedoespoort Centre**

Koedoespoort centre in Tswane is experiencing high volumes of Foundry Sand from the casting of the components needed on rolling stock material. Therefore there is a need for immediate removal of the Foundry Sand with which TE prioritise to remove the sand through a service provider that handle, transport and safely dispose of the waste foundry sand into a registered landfill site.

## **2. SCOPE OF WORK:**

### **2.1. The Removal ,Re-Use and Recycling of Foundry Sand from Koedoespoort region:**

- 2.1.1. The suitable service provider will be required to do the following in line with foundry sand management :
- (i) Handling,collecting, removal and safe disposal of the waste foundry sand.
  - (ii) Vacuum/sweep, collect and clean up foundry sand that accumulated inside the workshop.
  - (iii) Receptacles and vehicles/ machinery transporting waste must be in good condition and comply with relevant legislation and SANS codes of practice.
  - (iv) Provide waste manifest documents in line with the waste management Regulations. Keep copies of the safe disposal certificates for a period of not less than five yeas. The safe diposal certificate shall be provided to TE upon request within the 5 year period.
  - (v) Provide weighbridge certificate indicating the initial mass and the final mass of the waste load carried.
  - (vi) Collate date and report through the SAWIS. Provide proof of reporting to TE once you have report the data to SAWIS/SAWIC. This shall be incorporated intot the monthly report.
  - (vii) Provide Sustainable solutions for management of Foundry Sand in line with the regulatory framework and company policies and procedures.
  - (viii) Investigate and provide ways in which the Foundry Sand can be Re-used or Recycled to avoid disposal in line with the regulatory framework through test sample collection and laboratory analysis

### **3. TECHNICAL CAPACITY AND EXPERIENCE:**

The suitable Service Provider shall demonstrate proven track record of similar service offered elsewhere in the country in their proposal to Transnet Engineering. The technical capacity required for delivering this nature of service should also be included.

### **4. Cost breakdown**

The Suitable Service Provider shall be required to provide a detailed cost breakdown / budget / pricing for the proposed assignment (with appropriate subtotals) based on high level deliverables for transportation per load and any other services rendered.

### **5. COMPLIANCE WITH STATUTES:**

The suitable service provider shall ensure that all statutory law and related regulations (as amended) pertaining to the minimisation, removal and disposal of waste are complied with. This shall include compliance to the provisions of, but not limited to:

- The Compensation of Occupational Injuries and Diseases Act (No. 130 of 1993);
- Requirements of the Occupational Health and Safety Act (No. 85 of 1993);
- The National Environmental Management Act, Act 107 of 1998.
- The National Environmental Management: Waste Act, Act 59 of 2008 as amended.
- Waste Information Regulations and Standards.
- The Hazardous Substances Act, Act 15 of 1973.
- The National Traffic Act, Act 93 of 1996.
- The Employment Equity Act, Act 55 of 1998.
- The Labour Relations Act, Act 66 of 1995.
- The Basic Conditions of Employment Act, Act 75 of 1997.
- Hazardous Substances Act (Act 5 of 1973)
- Health Act (Act 63 of 1977)
- National Water Act (Act 36 of 1998)
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The suitable Service Provider shall at his/her own cost comply with the provisions of all such laws, Provincial Ordinances, Local Authority By-laws, and all other relevant Regulations applicable to the work to be undertaken as amended.

### **6. PRINCIPLES TO BE APPLIED WHEN MANAGING WASTE ON-SITE:**

- **"Precautionary Principle"** waste is assumed to be highly hazardous and toxic until proven otherwise.
- **"Polluter Pays Principle"** the person or organisation causing pollution is liable for any costs involved in cleaning it up or rehabilitating its effect.

- **"Duty of Care"** meaning that the generator of the waste is responsible for the fate of the generated waste in all circumstances – how it is handled, stored, transported and disposed.
- **"Cradle to grave"** meaning that wastes management begins at generation and ends at recycling, destruction or safe disposal of waste.
- **"Life cycle" approach**, which implies that integrated waste management, will be practiced through all stages of an activity including design, construction, operation, decommissioning and closure.

## **7. GENERAL REQUIREMENTS:**

The following general requirements shall be complied with:

An appointed Service Provider shall comply with the TE SHE specification, applicable SANS standards, best practices like requirements of ISO 9001, 14001 and 45001.

The suitable Service Provider shall elect a person to exercise supervision over the service at the removal process, such a person shall be competent and responsible, and have adequate experience in carrying out work of a similar nature and shall exercise personnel supervision on behalf of the Suitable Service Provider.

All persons employed by the suitable Service Provider for carrying out the activity shall:

- be competent and of good character
- be trained
- be exposed to medical surveillance
- obey safety rules
- comply with prescribed PPE

### **7.1. Contract Period**

This is a once off service. The service provider shall provide satisfactory service for a period that they will be rendering to TE Foundry. The contract requirements are as stated above. Any more additional activities rendered necessary shall be agreed upon between TE and the appointed/ successful Service Provider.

### **7.2. Material Supply/Equipment**

No receptacles or any material/equipment will be supplied by TE.

### **7.3. Details of Plant and Equipment**

The suitable Service Provider must state which plant or equipment they propose using and the manner in which the service will operate. Full details of how the Service Provider's business operations are to be submitted with tenders.

#### **7.4. Damage to Service Provider's Vehicles, Plant and Equipment**

Transnet Engineering will not be responsible for any loss of or damage to any waste receptacles, vehicles, equipment, material or plant belonging to the waste suitable Service Provider except for loss or damage which is due to wilful misconduct or gross negligence on the part of TE or any of its employees.

#### **7.5. SECURITY:**

The Suitable Service Provider shall adhere to all security measures as enforced by Transnet Engineering.

### **8. Technical Evaluation**

Given the responsible nature of the work envisaged under this contract, TE reserves the right to award the tender to any contractor of choice, with due regard for a favourable balance between the cost of services, resources available and experience in the relevant field.

The lowest tender may therefore not necessarily be accepted. Unsuccessful Tenderers may be advised on reasons for acceptance or non-acceptance of any tender, without disclosure of any tender prices being given.

The technical proposals will be evaluated against the following technical evaluation criteria:

- Methodology and approach;
- Experience and reference;
- Capacity; and
- Legal Compliance Record

**Technical Specifications compiled by:**

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**Designation:** Act SHE Manager

**Date:** 21-02-2024

**Signature:**  \_\_\_\_\_

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