

**SPECIFICATION FOR CONDUCTING WASTE CLASSIFICATION FOR
KOEDOESPOORT REGION, TRANSNET ENGINEERING**

1. Purpose of this document

To source a Service Provider to conduct Waste Classification for Transnet Engineering's (TE) waste streams as per the Waste Classification and Management Regulations.

2. Background and Need

Transnet Engineering (TE), an operating division of Transnet SOC Ltd, is the backbone of the South Africa's railway industry. 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. In the operation of these business, Transnet engineering generates various waste which require classification to determine whether the waste is hazardous and the severity of the hazard posed.

As an Organisation TE has a legal obligation to conduct waste classification as per the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) Waste Classification and Management Regulations, GNR 634 of 2013 which requires waste to be classified:

- Every five years
- Within 30 days of modification to the process or activity that generation of the waste
- 30 days of changes in raw material or other inputs, or any variation of relevant factors.

3. Scope of Work

The scope of work shall include the following:

- Waste sampling, analysis and characterisation.
- Testing to determine if the waste exhibits any of the four characteristics of a hazardous waste, he or she must obtain a representative sample
- This evaluation involves testing the waste or using knowledge of the process or materials used to produce the waste.
- Waste Classification, in terms of SANS 10234, as required under Regulation 4 (2) of the National Waste Classification and Management Regulations of 23 August 2013; and
- Development of a 16-point Safety Data Sheet (SDS) for waste streams that are classified as hazardous in terms of the above,
- Development of a Waste Classification Report for each waste stream that has been assessed.

4. Deliverables:

At the completion of the proposed work, the successful Service Provider shall compile and submit a comprehensive report detailing:

- SANS 10234 Classification report for each site assessed; and
- Safety Data Sheet for all TE hazardous waste streams.

5. Project Duration

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- The duration of the contract may be five (5) months from the date of appointment of the successful bidder / service provider. A proposed project work programme or project workflow diagram (e.g. Gantt chart) must be included in the proposal.
- Upon completion of the assignment and acceptance thereof by TE, the Service Provider shall submit a project hand over report for acceptance by TE. Hereafter, the project will be considered closed.

6. Requirements

Prospective service providers should:

- Submit a company profile including proof of previous experience in this type of service or work, preferably 5 years' experience in similar field of practice;
- Submit detailed cost breakdown using the Pricing Lists attached.
- Indicate sample turnaround time from the time of sampling/receiving samples to the time of analysis;
- Proof of Accredited Laboratories (e.g. SABS) and analytical methodologies (SANAS approved) to be used for this project to analyse water samples;
- Submit proof of Public and professional liability insurance;
- Indicate company's location footprint within South Africa; preferably local to curb transport costs.
- Demonstrate a proven track record Curriculum Vitae of all human resources to be deployed in the project; Show clear capacity for delivering adequate services; (Company Organogram, Qualifications of technical staff (both lab and field workers), lab services (in-house or outsourced));
- Provide method statement for sampling of the waste and for the preservation samples and analysis;
- Provide letter of good standing with the Compensation Commissioner;
- TE reserves the right to visit Service Provider's premises and facilities to verify information provided prior the award of tender;
- Adhere to the requirements of Transnet SHE Specification and legislative requirements

6.2. General Requirements:

Prospective service providers should:

- Submit proposals for the job stipulated on the Request for Proposals "advert"; clearly setting out the proposed methodology for achieving the required objectives. The detailed schedule/programme to be submitted with the proposal must include but not be limited to:
 - i. Specific deliverables,
 - ii. key milestones,
 - iii. Inter-relationships between activities, etc.
- **Indicate the probable cost and time elements of their proposal.** The costs should be broken down per each business/Centre or depot/region including travelling cost, cost of laboratory analysis, equipment to be used, consumables, contingency sampling among

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- others. The successful tenderer will arrange and pay for their accommodation and meals while busy with the monitoring;
- Be able to commence work at short notice if successful;
 - Tenderers are advised to visit the sites in question, should they wish to confirm working conditions. No claims in this regard will be considered;
 - Successful tenderer shall be obliged to comply to all Transnet Safety, Health and Environmental (SHE) Requirements and site rules;
 - Preparation of a Compliance file
 - Submission of proof of medical fitness certificates
 - SHE induction
 - The Suitable Service Provider shall adhere to all security measures as enforced by Transnet;
 - The successful service provider shall be required to attend a mandatory safety induction before conducting any work within Transnet premises, SHE induction may be done as per requirement by each Depot or Centre;
 - Successful tenderer will be responsible for the supply of all Personal Protective Equipment (PPE) required including steel capped shoes, ear protection, safety vests among other;
 - Tenderers are to provide their own working and test equipment;
 - The successful Service Provider will be required to submit a Safety File in line with Transnet SHE Specification (Contract Management);
 - The successful service provider shall be required to notify TE Depots for intended site visits to carry out the scope of work one (1) week before hand for arrangements;
 - All verbal agreements or arrangements shall be confirmed in writing.
 - The contract envisaged under this tender will only be awarded to an experienced Service Provider who has the relevant knowledge, expertise and credible record in the field of Waste Classification and Management in line with the associated legal requirements in the South African context.
 - 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. (**NB:** A proof of previous experience/ similar work should be submitted together with the proposal). As a minimum, the Service Provider shall in the submission demonstrate:
 - Proven track record of expert service in the field of Waste Classification and Management
 - The following documentation shall be included in the submission:
 - Company Profile.
 - Project proposal outlining the proposed methodology or how the scope of work will be carried out.
 - CVs of project team and project team structure as well as individual experience and qualification in the relevant field.
 - Full particulars of company's experience in the field, outlining specific references and contact numbers. Transnet shall have the right to contact referenced clients to verify the nature and quantity of service provided.

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6. 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 technical proposals will be evaluated against the following technical evaluation criteria:
 - Methodology and approach;
 - Experience and reference;
 - Capacity; and
 - Lead time.

Specification Compiled by:

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Signature: 

Date: 26-08-2022

Approved by:

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Annexure A: TE Waste Streams

TE known Waste Streams		
Business	Waste type	
Mop	Effluent and Sludge (Bosch tank)	
Koedoespoort Plant	Foundry/Silica sand	
Koedoespoort Plant	Mixture of water and Paint	
Koedoespoort Plant	Effluent and sludge from wheels business	
Koedoespoort Plant	Effluent and sludge from rotating Machines	
Koedoespoort Plant	Sand from bay 8/11 cutting machines	
Koedoespoort Plant	Laser cutting dust	
Koedoespoort Plant	Old shot blast dust	
Koedoespoort	Shotblast and dry paint	
Koedoespoort Plant	Sludge from Mixture of phosphorus ,caustic soda, sulphuric acids ,Ta-feed-electroplating shop	
Locomotive depots(Koedoespoort depot)	Oil and water sludge	
Koedoespoort Plant	Other(as and when new waste stream is generated)	