

**SPECIFICATION FOR PROVISION OF WASTE MINIMISATION,
REMOVAL, SAFE DISPOSAL & HAZCHEM SERVICES AT TRANSNET
ENGINEERING'S GERMISTON PLANT & CENTRAL CORRIDOR**

1. BACKGROUND:

As Transnet SOC Limited's Advanced Manufacturing division, Transnet Engineering (TE) is dedicated to the research, design, manufacturing and maintenance of locomotives, freight wagons and passenger coaches. Although proudly grounded in South Africa, Transnet Engineering is very much a Pan-African operation that works with a global perspective, supplying to clients in South Africa, the African continent and worldwide. TE has 9 product-focused businesses, 132 depots, 6 Centres and over 7,000 employees countrywide. The 132 depots are strategically divided into six main Regions, Germiston Region being one of them.

1.1 Germiston Region

Germiston Region is amongst the six regions in Transnet Engineering. It encompasses 1 main Plant (Germiston), with approximately 20 maintenance depots and sub-depots spread across three provinces: Gauteng, Free-State and North-West Provinces, comprising what is known as the Central Corridor. Germiston Plant encompasses 94 hectares (230 acres). It has 6 main operational workshops, a number of office buildings, stores buildings, canteen facilities and a clinic.

Germiston Region's daily operational activities include the following:

- Refurbishment and new build of wagons and tankers,
- Refurbishment and manufacturing of new wheels,
- Refurbishment of tarpaulins,
- Dry cleaning of cement wagons – dry waste,
- Wet, high pressure / steam cleaning of equipment, components, tarpaulins, tankers, wheels
- Shot blasting and sand blasting activities,
- Spray painting and stencilling activities,
- Refurbishment and maintenance of diesel locomotives (this includes stripping, assembly, cleaning),
- Refurbishment and maintenance of electrical locomotives (this includes stripping, assembly, cleaning),
- Decanting of chemicals, oils and diesel and disposal thereof,
- Refurbishment and maintenance of wagons (this includes stripping, assembly, cleaning)

2. SCOPE OF WORK:

Transnet Engineering (TE) requires the services of a reputable, competent and experienced Service Provider for waste minimisation, removal and safe disposal of its waste streams in the Germiston Plant & Central Corridor for a period of **three (3) years**. Note that the services

required are on an as and when basis when the waste receptacles fill up and require disposal. The services required will include the provision of appropriate waste receptacles for handling, removal, recycling and disposal of all types of waste. The waste receptacles should meet all applicable national standards and further be able to temporarily store both hazardous and general waste without causing any nuisance or pollution. The service provider will also be required to aid with cleaning of hazardous areas within the sites and hazmat response to spillages and other forms of pollution. Hazmat services include but not limited to cleaning of spills, chemical, sewage, separator pits, effluent sludge, wash bay de-sludging/supersucker and workshop pits.

The proposed services should include an Integrated Waste Management System to ensure improved waste separation, best practices, reducing, reusing, recovering, waste treatment and recycling of waste. TE would like to realise increase in revenue on recyclable wastes, tighter control on waste movements and accurate recording of wastes volumes by category or type. Whilst cost reduction is reliant on the types of waste TE produces, the prospective service provider must prove that they are able to increase the volumes of recyclable material and reduce the volumes to landfill. The service provider shall also provide solutions for waste minimisation and conduct Waste Management and Spill Awareness Sessions to all employees.

2.1. Geographical areas of service

The Service Provider should have capacity to provide the required services in the areas tabled below: It must be noted that some of the maintenance depots are in very close proximity to each other and should be serviced within the same period to reduce costs.

Table 1: Geographical areas (TE Germiston Plant and Depots in the Central Corridor)

LOCATION	BUSINESS/DEPOTS	ESTIMATED KILOMETERS FROM GERMISTON CENTRE
Germiston Plant	All businesses (departments)	0 km
Germiston	Wagon Maintenance Depot	2 km
Germiston	Diesel Locomotive Maintenance Depot	2 km
Sentrarand	Wagon Maintenance Depot	50 km
Sentrarand	Electrical Locomotive Maintenance Depot	50 km
Krugersdorp (Millsite)	Diesel Locomotive Maintenance Depot	100 km
Krugersdorp	Watervaal Wagon Maintenance Depot	100 km
Klerksdorp	Diesel Locomotive Maintenance Depot	300 km
Klerksdorp	Wagon Maintenance Depot	300 km
Leeuhof	Wagon Maintenance Depot	90 km

Sasolburg	Wagon Maintenance Depot	100 km
Mafikeng	Wagon Maintenance Depot	310 km
Mafikeng	Diesel Locomotive Maintenance Depot	310 km
Coligny	Diesel & Electrical Locomotive Maintenance Depot	260 km
Coligny	Wagon Maintenance Depot	260 km
City Deep	Electrical Locomotive Maintenance Depot	15 km
Karsene	Wagon Maintenance Depot	15 km
Kaserne	Diesel Locomotive Maintenance Depot	15 km
Welgedacht	Wagon Maintenance Depot	45 km
Welgedacht	Electrical Locomotive Maintenance Depot	45 km
Springs	Diesel Locomotive Maintenance Depot	40 km
Springs	Wagon Maintenance Depot	40 km
Lichtenburg	Wagon Maintenance Depot	280 km
Bijlkor	Wagon Maintenance Depot	100 km

2.2. Germiston Plant & Central Corridor Hazardous Waste Streams

The following hazardous waste streams are currently being produced across the Region as indicated below:

Table 2: Hazardous Waste Streams and Source

Operation/ Function Area	Type of hazardous waste	Activity
Germiston Plant	Grease	Cleaning and maintenance of components
	Mixture of water and paint (paint sludge)	Painting of wagons
	Shot blast dust	Sand blasting of wagons
	Paint contaminated waste consisting of paper, boxes and rags.	Painting of wagons
	Phosphoric acid sludge, sulphuric acid sludge, caustic soda, ta feed, sodium dichromate, LNO-DTA, MBC byte soda	Cleaning of wagons
	Laser dust	Wagon refurbishing
Germiston Plant and all depots	Whole fluorescent tubes and globes	Changing of finished lights
Germiston Plant, all wagon maintenance depots, some locomotive depots	Empty aerosol cans	Stencilling of wagons and other activities
Germiston Plant and all locomotive maintenance depots	Oil contaminated PPE and oily rags	Maintenance of locomotives
Germiston Plant and all	Composite brake	Maintenance of wagons

wagon maintenance depots	blocks, rubber pipes	
Germiston Plant and some depots	Empty paint tins.	Painting of wagons and other activities
Locomotive and electrical locomotive maintenance depots	Air filters and oil filters	Maintenance of locomotives
	Grease, lubricants, hydraulic oil, crater oil; oil drums, grease, locomotive cushions	Maintenance of locomotives
	Mats contaminated with hydrocarbon material	Maintenance of locomotives
	Mixture of oil and water	Maintenance of effluent plants
	Rubber pipes contaminated with oil	Maintenance of locomotives
	Fibreglass panels	Maintenance of locomotives
Coligny Wagon Maintenance Depot	Mixture of lime, cement and fly ash	Cleaning of wagons

2.3 Waste Minimisation:

Transnet Engineering aims to divert waste from the landfill site, to be environmentally responsible and reduce costs of transport to these landfill sites. The service provider should therefore assist in identifying waste streams that can be reused, reduced or recycled at source. Where TE also finds opportunities for recycling and where the service provider has failed to do so, the service provider shall be informed to conform to the agreement made by TE with the recycler or anyone thereof.

The service provider shall not deem this act as taking away business, it shall however be seen as an opportunity to divert and minimise waste to landfill.

National Environmental Management: Waste Act 59 of 2008 National Norms and Standards for Disposal of Waste to Landfill Regulation 5. Waste Disposal Restrictions requires that organizations find other ways of dealing with specific waste types such as recycling and reusing instead of disposal, the Department of Environmental Affairs through these regulations is now prohibiting these waste types from being disposed of at landfill sites. TE would like to adhere to these regulations and as such would like to appoint a service provider that will offer alternative solutions to landfill disposal.

One such waste stream falling under the Waste Disposal Restrictions that TE is currently sitting with are oil filters. The appointed service provider will have to provide alternative solutions of how this waste stream will be handled.

Table 3: Waste Disposal Restrictions

Description	Compliance Timeframe	Waste Generated in Germiston Region
Waste with a pH value of <6 or >12.	Immediate	Acid waste
Flammable waste with a closed cup flashpoint lower than 61° Celsius.	Immediate	Waste petrol, paraffin, diesel, ethanol waste etc.
Re-usable, recoverable or recyclable used lubricating mineral oils, as well as oil filters, but excluding other oil containing wastes.	Four (4) years	Oil, oil filters
Re-usable, recoverable or recyclable used or spent solvents.	Five (5) years	Paints, paint thinners, cleaning chemicals
PCB containing wastes (>50 mg/kg or 50 ppm).	Five (5) years	PCB waste oils from Transformers and old locomotives
Hazardous waste with a calorific value of: i) > 20MJ/kg.	i) Six (6) years	i) Ethanol, diesel, paint, petrol, PVC-plastic.
Disposal of garden waste: (i) 25% diversion from the baseline at a particular landfill of separated garden waste. (ii) 50% diversion from the baseline at a particular landfill of separated garden waste	i) Ten (10) years ii) Five (5) years	Tree branches, tree leaves, grass etc.

Waste minimisation services shall include all three Rs (i.e. Reduce, Re-use and Recycle) of waste minimisation as per waste hierarchy. All minimisation solutions shall be implemented at source in order to eliminate unnecessary disposal of the entire waste stream.

Receptacles for all waste shall meet all applicable South African National Standards. All recycling receptacles shall be colour coded and clearly labelled in line with Transnet Engineering approved colours as follows:

- Hazardous waste: Red wheelie bin.
- General waste: Black wheelie bin.
- Paper: Yellow wheelie bin
- Cans and tins: Blue wheelie bin
- Plastic material: Green wheelie bin

The above is for the main Germiston Centre. For the depots these receptors shall be limited to the following:

- General waste: black wheelie bin
- Plastic and cans: green wheelie bin
- Hazardous waste: red wheelie bin
- Paper: yellow wheelie bin

2.4 Cost Saving from Waste Minimisation

The service provider should be able to quantify on a monthly basis the cost saving realised from transportation and disposal of recycled waste diverted from landfill.

2.5 Waste Management Awareness:

Despite all efforts in the past years, there is still clear evidence of a general lack of awareness and understanding of the requirements for waste management in Germiston Region. The service provider shall be responsible for creating awareness to employees in order to educate and optimise waste minimisation. The awareness should be able to eliminate:

- Mixing of general and hazardous waste
- Mixing of recyclables and general waste
- Disposal of recyclables/reusable materials
- Burning of waste materials on site
- Poor understanding related to the importance of adequate waste storage areas and equipment

The awareness should clearly define and emphasise roles and responsibilities of employees for an effective management of waste streams.

2.6 Waste Handling, Storage and Disposal Services:

The service provider shall be responsible for provision of the following services:

- Waste bins servicing and waste removal, transport and disposal of waste as indicated, a day from the time of request.
- Supplying name, cell number and e-mail address of one contact person and an alternative.
- Registered to collect and transport general and hazardous waste under the relevant National, Provincial and local authority's legislations. All registration documents must be submitted to TE
- Providing the registration certificates of all hazardous waste sites that they will utilise for waste disposal.
- Providing employees with outer clothing that will permit ready identification as well as a certificate of identity.
- Providing employees with safety boots and reflective jackets and in cases of noise zones also with hearing protection and all other relevant Personal Protective Equipment to minimise and prevent any exposure to employees.
- Submitting signed waste manifest documents and certificates of safe disposal from the Waste Disposal Site that received such waste with each invoice submitted to the Compliance and Regulatory Affairs Department.
- Meeting with the SHE Dept., Germiston on a monthly basis or as and when required to ensure the services are carried out effectively in accordance with the scope and to resolve any matters of concern that might arise.
- All areas which are not part of the specifications will be dealt with separately with the procurement personnel.
- Nominating a representative who shall be available at any hour for call-out in cases of emergency.
- The service provider shall comply with the provisions of the following statutes among others, as well as all such laws, Provincial Ordinance, Local Authority Bylaws and all relevant Regulations applicable to the work to be undertaken as amended:
 - The Compensation of Occupational Injuries and Diseases Act (Act 130 of 1993)
 - The Occupational Health and Safety Act (Act 85 of 1993)
 - Hazardous Substances Act, No 15 of 1973
 - The National Environmental Management Waste Act, No 59 of 2008
 - The National Environmental Management Act, Act 107 of 1998
 - The National Traffic Act, Act 93 of 1996.
 - National Water Act, No 38 of 1998
 - Any other waste related legislation

- Ekurhuleni Municipality By-Laws (and those of respective municipalities where Germiston Region depots fall under) regarding waste transport, removal and disposal
 - Waste information Regulations and Standards
- Any law that might be promulgated during the contract period, shall be considered and complied with, e.g. Fluorescent tubes – disposal prohibition.
- The service provider shall immediately inform and advise TE of changing waste legislation, regulation and analyse impact on TE operations and financial position
- TE SHEQ Department shall monitor the service provider and evaluate the level of compliance to the conditions stipulated in this Specification and Transnet SHE Policy. Monitoring will be done on a regular basis involving an observation and formal inspection where site inspection of facilities can be done and the service provider shall be responsible for the acts and omissions of his/her employees. TE reserves the right to issue non-conformances reports where the service provider is not complying.
- TE reserves the right to arrange for itself another service provider to carry out the service if the service is not adhered to. All costs including supervision in which TE is involved shall be borne solely by the service provider.
- The contract will be terminated or suspended should TE not be satisfied with the services that have been provided.
- The service provider shall arrange for Transnet Safety, Health and Environment Induction for all employees before they may enter the different sites for work, including new personnel in case of change in its employees / staff servicing TE's Depots.
- The service may be decreased/ increased according to the needs of TE.
- The service provider and subcontractor shall supply the following documents:
- - Signed Section 37 agreement (to be provided by TE)
 - Medical certificates for each employee to work on site including:
 - Hearing test
 - Lung function test
 - Contractor Compliance File (SHE File) must include but not necessarily limited to):
 - Risk Assessment
 - Appointment letters
 - Pest Control Operator certificate of registration
 - Safe Operating Procedures
 - Waste Management Plan
 - Personal Protective Equipment checklist indicating all PPE to be worn on site
 - MSDS of all chemicals to be used
- The service provider may be requested during the contract period to change the waste handling equipment to suite TE waste management systems.
- The following must be specified:
 - Waste container size
 - Rental cost

- Transport cost
- Provision and removal of ad hoc receptacles
- Disposal cost per waste category per ton or per frequency of disposal
- Ad hoc bins must be supplied as and when requested.
- Skips and bins must be:
 - Leak proof
 - General waste and hazardous waste skips/ bins must be labelled as such
 - All receptacles are to be clearly marked or numbered.
 - Receptacles must be cleaned at designated wash bays prior to being returned to allocated waste points
 - Receptacles provided for the storage of hazardous waste must contain a lid or appropriate cover.
 - Skip net cover shall be readily available to cover a skip that is full to prevent waste being blown by wind and also to be used during transportation of waste
- Provide advice and solution to minimisation of waste generated from TE activities within various businesses
- On site waste separation for the main Centre
- Transportation of recyclables from the depots recycling to the main Centre where the sorting will take place
- Receptacles and vehicles/machinery transporting waste must be in good condition and comply with relevant legislation and SANS codes of practice.
- The contractor shall provide office paper box for recycling at no cost to TE
- Submission of a list of registered landfill sites the company will be utilising
- All data associated with the submission of waste manifest and safety disposal certificates for each stream that is removed from site must be forwarded to CRA Department.

2.7 Loading of Waste Data on SAWIS

- The service provider will be required to make sure that the waste generated from all TE Germiston sites is loaded on the South African Waste Information System (SAWIS) database.

2.8 Waste Receptacles

The number of receptacles that might be required will depend on the need, which in the meantime has been defined as follows:

Table 4: Waste Receptacles

TENDER ITEM NO.	DESCRIPTION	QUANTITY
1	240 LITER "OTTO" TYPE PLASTIC BINS ON WHEELS	As per order
2.	LIDDED 6M ³ (or 11m ³) METAL BINS ON RENTAL	15 approx.
3.	UNLIDDED 6M ³ (or 11m ³) METAL BINS ON RENTAL	52 approx.
4.	REUSABLE 1000 LITRES IBCs	As per order
6.	FLOURESCENT TUBE BOXES (metal if possible)	As per order
7.	METAL CAGES FOR CARDBOARD RECYCLING	As per order
8.	CHEMICAL/OIL SPILL KITS	As per order

Please note that the numbers are an approximation, and receptacles will be requested for as and when the need arises

2.9. Frequency of Removal:

- For general (non-hazardous) waste, the service provider must collect the waste bins within 24hrs from the time of request.
- For hazardous waste, the service provider will be contacted to collect and dispose on an ad-hoc basis when the waste has accumulated. It is therefore important for the service provider to ensure they have enough capacity and that they are available when called.
- All recyclable waste shall be collected from the Waste Separation Area located at the Germiston Centre. The service provider will transport recyclables from the nearby surrounding depots to the Waste Separation Area at the Germiston Centre.
- The service provider will then transported the recyclables from Germiston Centre to the recycling facilities on a fortnightly or monthly basis depending on how quickly the skip bins fill up.

- All waste manifest documents shall be approved by identified personnel from TE.

2.10 Recycling of Used Oil

The service provider will be required to do the following in line with the management of used oil:

- Provide suitable receptacles for the storage of used oil on site if necessary.
- Investigate ways (together with Transnet) in which the used oil can be re-used or recycled to avoid disposal.
- Provide sustainable solutions for the management of used oil in line with regulatory framework and company policies and procedures.
- Receptacles and vehicles transporting the used oil must be in good condition and comply with relevant legislation and SANS codes of practice.
- Remove used oil from site on a call out basis.
- Report recycled used oil through the Waste Information System.
- Wash and clean any oil spillages where spills have occurred, e.g. during decanting or refueling.
- Arrange for the recycling of the oil drums in which the oil is contained if need be.

3. TECHNICAL AND COST PROPOSAL:

The service provider shall propose all probable cost in relation to the defined scope of work. The technical proposal shall clearly define the methodology/approach to this project with clear time frames.

- Prices must be fixed for one (1) year. Price increase shall be negotiated once a year. Risk and Safety Department must be informed two (2) months before the planned price increase
- Prices may not be higher than the inflation rate or legislated rates. The following rates must be fixed for three years:
 - Supply of any equipment subject to renting

The cost proposal shall have a clear break down of bill of quantities in line with the following line items and depicted on the **Annexure – Germiston Waste Management Pricing Schedule Excel Sheet:**

- Disposal Cost (Year 1-3)
- Transport Cost (Year 1-3)
- Waste Separation & Rental Cost
- Hazchem Services
- Adhoc Services

It is of outmost importance that the service provider includes all costs in relation to all services required to minimise, remove and dispose all waste in the Germiston Plant & Central Corridor.

4. REPORTING

The service provider shall also provide monthly performance reports highlighting volumes, incidents and challenges. Submission of monthly and annual reports which are in line with provisions of Waste Information Regulations applicable to Germiston Region.

The monthly reports shall be submitted with the following information amongst others:

- the types and volumes/tonnages of minimised/recyclable waste,
- the types and volumes/tonnages of disposed waste,
- the names of sites where waste was collected,
- the names of sites where recyclables were collected,
- the rebates rates per quantities of all recyclables collected

The reports shall be issued electronically to TE Representative(s) in the SHEQ Department. Waste and recyclable volumes and types must be captured electronically in line with TE requirements to allow the establishment of waste trends and the monitoring of objectives and targets.

5. TECHNICAL CAPACITY AND EXPERIENCE:

The 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.

6. WASTE MINIMISATION

The service provider shall assist Transnet Engineering Germiston Plant & Central Corridor in implementing its integrated waste management plan focusing on waste minimisation (reduce, re-use and recycle) services (initiatives) as per the waste hierarchy. All waste minimisation solutions shall be implemented at source to eliminate unnecessary disposal of the entire waste stream.

The service provider shall be responsible for creating awareness to employees in order to optimise waste minimization initiatives. The awareness should be able to eliminate mixing of waste, disposal of recyclables and reusable materials amongst others.

The service provider shall reimburse TE from waste that is recycled. TE is the owner of the waste, therefore all rebates shall be payable to TE unless otherwise agreed between the two parties of other payment arrangements.

7. COMPLIANCE WITH STATUTES:

The 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.
- 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)

The 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.

8. GENERAL REQUIREMENTS:

The following general requirements shall be complied with:

The Service Provider shall comply with the TE SHE specification, applicable SANS standards, best practice requirements of ISO 9001, ISO 14001 and ISO 45001.

8.1. Waste Service Provider Representatives

Once appointed, the service provider shall ensure adequate supervision for service provided accessible and available at least at any hour for call-out in cases of emergency. The service provider shall provide Transnet Engineering with the names and telephone/cellular phone numbers of its representatives. The nominated representatives shall be familiarised with the contact details of TE CRA Department.

The service provider shall elect a person to exercise supervision over the service at all times, 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 service provider.

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

- be competent and of good character
- be trained
- be medically fit to carry the work
- obey safety rules
- comply with prescribed PPE
- be in possession of valid driver's licence
- maintain high standard of housekeeping for all waste sites

8.2. Contract Period

The contract duration shall be for a period of three (3) years.

8.3. Material Supply

No receptacles or any material will be supplied by TE unless already available.

8.4. Details of Plant and Equipment

Full details of the service provider's business operations are to be submitted with the tender. The service provider must provide an asset list and state the capability to provide the following plant and equipment by confirming ownership or rental ability:

1. 69 unlidded 6m³ skip bins for general waste disposal
2. 24 lidded 6m³ skip bins for hazardous waste disposal
3. Truck for hazardous waste disposal
4. Truck for general waste disposal
5. Minimum 10,000L capacity super sucker for liquid waste disposal
6. LDV vehicle for bulk bag collection

Please note that the above equipment forms the backbone of our waste management processes and you will be scored on them. Other equipment like flow bins/ Intermediate Bulk Containers (IBCs), card board cages, wheelie bins etc. will not form part of the scoring

8.5. 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.

8.6. Disposal of Waste

The following will apply to the disposal of waste:

- All waste emanating from within TE premises must be disposed of in accordance with all statutory laws, local authority by-laws and regulations governing the category of waste being handled.
- TE wishes to be seen as a responsible organisation with regards to the generation, handling and disposal of waste that emanates from its operations. To this end TE needs to be assured that the waste is being properly managed in the disposal operation.
- Loaded hazardous industrial waste bins shall be adequately covered in transit over public roads to TE's satisfaction.
- The service provider shall take all necessary measures to prevent spillage or seepage from receptacles/vehicles during transporting to the appropriate landfill site (waste disposal site).

- It is the responsibility of the Service Provider to ensure that all waste is disposed at a landfill site, which is specifically designated for such purposes. This site of disposal shall be subjected to random audits by TE.
- The service provider's responsibility in terms of transporting waste shall remain as such. Therefore TE shall consider the original landfill disposal cost as true reflection of waste disposal.
- Where Possible or need arise or policy change in TE or Transnet Group, TE shall inform the service provider of landfill or any other waste manager site they can use as proposed by TE, the Service provider shall comply

8.7. Health and Hygiene of Waste Handlers

The following shall be applicable to the service provider's waste handlers operating on-site:

- Waste handlers should be informed and trained on the risks and hazards of exposure to such waste (regulations for *Hazardous Biological Agents, R4: Information and Training*).
- Waste handlers should wear adequate and appropriate PPE, which must include, but are not limited to, impermeable gloves, hard hats, identifiable overalls, steel toe cap shoes, etc. Waste handlers should be trained in the proper wearing and storage of PPE (regulations for *Hazardous Biological Agents, R4: Information and Training*).
- All waste handlers should be subjected to pre-employment medical tests prior commencement of the contract. Proof of such medical tests should be produced upon request.
- Waste handlers should adhere to any instructions given regarding environmental and health practices by a person delegated by or designated TE employee. Adequate infection control techniques shall be practiced at all times.
- All incidents involving potential infection should be reported to TE as soon as possible. Any information that could assist in the investigation of an incident should be made available upon request to TE.
- Waste collection vehicles should be roadworthy and serviceable condition. Daily tasks should be carried out and proof of tasks to be kept. Licensed drivers of waste collection vehicles should adhere to all rules and regulations as stipulated under the National Road Traffic Act (No. 93 of 1996) as well as the relevant SANS codes of practise.

8.8. Information On-site

Tenderers shall visit the sites of the proposed waste removal service and acquaint themselves with the nature of the work, the conditions under which the work is to be done, the means of

access to the site, the waste streams to be removed, any limitations or restrictions that may be imposed by TE, local or other relevant authorities.

TE does not guarantee that the products to be disposed of as observed on TE sites will remain of a consistent nature.

9. MEASUREMENT AND PENALTY:

A 'safety delivery note' and monthly service record form is to be completed for each disposal. The form must contain the following information:

- Date;
- Location of receptacle;
- Suitable Service Provider's receptacle number; and
- Receptacle type and capacity.

Receptacles used on a full-time basis and those used on an 'ad hoc' basis must be kept separate. Should the Service Provider fail to comply to the contract/ agreement or any part thereof before the stipulated completion date, an amount a certain amount agreed upon by two parties shall be deducted per day by TE for each day falling after stipulated completion date until the contract/ agreement or any part thereof are completed. The service provider shall further be penalised if the waste recycling objective and KPI is not met within the timeframe stipulated by TE.

10. SECURITY:

The service provider shall adhere to all security measures as enforced by TE.

11. ADDITIONAL REQUIREMENTS:

- The service provider shall not cede, assign, transfer or sublet the agreement or any part thereof and shall not enter into any sub contract of whatever nature for the execution hereof without the prior written consent of the other.
- No amendment or variation of, or addition to this agreement shall be of any force or effect unless reduced to writing and signed by both parties.
- No extension of time waiver, indulgence, release from liability, compromise or other arrangement granted or allowed by either party shall constitute a waiver or novation of, or in any other way prejudice such party rights in terms hereof.
- A signature must be received by the Service Provider in agreeing with the contents stipulated in the contract/ agreement, as well of an understanding of non-compliance and the contract/ agreement must be signed on a particular date and witnessed by at least two personnel from TE and the Service Provider.

12.DUTIES OF THE SERVICE PROVIDER:

The services rendered by the Waste Management personnel of the service provider shall be rendered under competent supervision provided by the Service Provider, e.g. Site Manager

The service provider shall provide proper identification for all the personnel in terms of the agreement.

Identification for purpose of this agreement shall constitute -

- a standard uniform, and
- an identity certificate or permit to be displayed, and visible on the employee.

The service provider warrants and guarantees that -

- the services shall be rendered and executed in a professional manner in accordance with the standards laid down and expected in the industry;
- the personnel shall have the expertise to execute their functions properly, in particular regarding but not limited to -
- the training for and execution of their services.

The service provider undertakes that -

- they shall conform and comply with all statutory provisions, regulations and by-laws relating to his business, services and/or his/her personnel.
- they shall be responsible for the payment of, inter alia, all taxes, levies and other monies levied under law by, for example any local authority;
- they shall ensure, that should any member of his/her personnel for any reason whatsoever be found incompetent for service by Transnet Engineering, that such member shall be replaced forthwith by another personnel and not to be used for services in connection with Transnet Engineering; and he shall at the signing of this agreement provide Transnet Engineering with copies of his grievance and disciplinary procedures.
- although the Service Provider's personnel may on some occasions render certain services under the supervision and control of Transnet Engineering, no contractual/employer employee relationship shall come into existence between such personnel and Transnet Engineering and such services shall not affect the liability referred to in clause 6 hereunder.
- the service provider shall inform Transnet Engineering of the existence of any hazard or potentially dangerous situations on the premises where the services are rendered as soon as he or his Waste Management staff are aware thereof. The parties place on record that Transnet Engineering Representative shall at all times be entitled to monitor the Service Provider's services without prior notice.

13.METHOD OF WORK

The scope of work is primarily the management of waste at the Transnet Engineering Germiston Plant 7 Central Corridor sites in the most cost effective and environmentally acceptable manner.

13.1.Working Hours

- Mondays to Fridays 07h00 – 15h30

13.2.Duties of On-site Staff will include:

- Categorizing and separating all recyclable and non-recyclable waste at the selected Waste Sorting Area.
- Monitoring all the non-recyclable and recyclable bins.
- Sorting and separation.
- Ensuring cleanliness of Waste Sorting Area.
- Identifying all recyclable grades.
- Managing any recyclable items that need to leave the site.
- Taking Safety precautionary measures at all times.
- Collection of recyclable waste from wheelie bins at various businesses.

The above stipulates the on-site staff allocated to the site 5 days per week. A minimum four (4) on-site staff will be provided by the appointed service provider.

13.3.Equipment for Waste Recycling Operations

The following vehicles and equipment will be introduced to the site to ensure an effective recycling operation:

- Sorting Table
- Steel Racks
- Bulk Bags and Consumables (refuse bags)
- 1 x LDV vehicle for bulk bag collection

14.PRINCIPLES TO BE APPLIED WHEN MANAGING ON-SITE AREA:

- **"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.

15. MONITORING AND EVALUATION OF COMPLIANCE:

TE SHEQ Department shall monitor the Service Provider and evaluate the level of compliance to the conditions stipulated in this Specification, TE and Transnet IMS Policy. Monitoring will be done on regular basis involving an observation and formal inspection where site inspection of facilities can be done and the tenderer shall be responsible for the acts and omissions of his employees. Formal monthly meetings will be held with the Service Provider.

16. INSPECTION:

All the services provided shall be subjected to inspection by the nominated officials of Transnet Engineering during any stage of the contract period.

The Service Provider shall permit unrestricted access, at any time, to Transnet Engineering official(s) in order that Transnet Engineering may witness the Service Provider in the process of providing the services and to assess the performance of the Service Provider in the execution of providing the services against the stipulated schedule of requirements, specification(s) and any mutually agreed upon and documented standard(s). This may include permitting the Transnet Engineering official(s) the opportunity to scrutinise any operational document(s) utilised by the Service Provider.

Technical Specifications compiled by:

Name: Phyllis Chooka

Designation: Environmental Manager

Date: 19/05/2025

Signature: _____


Technical Specifications approved by:

Name: Zizile Mkhize

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Date: 20.05.2025

Signature: _____
