

**TRANSNET NATIONAL PORTS AUTHORITY PORT OF PORT ELIZABETH**

**SERVICE PROVIDER FOR EMPTYING OF SEWERAGE COLLECTION POINTS AND AD-HOC  
HIGH-PRESSURE CLEANING OF SEWER LINES FOR A 36 MONTHS PERIOD AS AND WHEN  
REQUIRED**

**SPECIFICATION AND BILL OF QUANTITIES FOR:  
SERVICE PROVIDER EMPTYING OF SEWERAGE COLLECTION POINTS AND AD-HOC HIGH-  
PRESSURE CLEANING OF SEWER LINES FOR A PERIOD OF 36 MONTHS ON AN AS AND  
WHEN REQUIRED BASIS**

**CIDB REQUIREMENTS: N/A**

**PREQUALIFICATIONS:**

1. Proof of a valid registration with the Nelson Mandela Municipality as a Waste Transporter is required. Note: The Waste Transporter Authorisation must be relevant to the waste that will be managed as part of this Contract.
2. A copy of valid Waste Management License / Permits for the facility (wastewater treatment plant) that will be used for the treatment and disposal of the sewage waste that will be managed by the service provider as part of this contract is required. In a case where the service provider does not have these authorisations as an entity, valid authorisations of the facility/ies to be used must be provided. These facilities (wastewater treatment plant) must be in Port Elizabeth (Nelson Mandela Bay Municipality).
3. Submission of the Proof of Company Registration as an Operator as provided for in the National Road Traffic Act, (Act No. 93 of 1996). Please furnish proof of valid Registration/s to TNPA for your drivers and vehicles as required to ensure proper licensing to carry dangerous goods.

**Failure to submit any of the above required documentation will result in disqualification of the bidder.**

**N.B Compulsory briefing. Failure to attend the compulsory briefing will result in disqualification.**

## 1. SCOPE OF WORKS

### 1.1. BACKGROUND AND PURPOSE

The Port of Port Elizabeth sewage network consists of sewage pump stations and four sewerage collection points. The four sewage collection points are pumped out on average twice a month and at times the ad-hoc emptying of sewage pump stations must take place to undertake repairs.

The high-pressure cleaning of sewer lines is conducted on as and when required basis to ensure pipelines are free of items that can result in pipe blockages.

### 1.2. SCOPE OF WORKS AND SPECIFICATIONS

TNPA Port of Port Elizabeth aims to appoint a Service Provider who has experience in the provision of sewage waste management services and who can demonstrate through the tender returnable documents that they can provide an efficient, cost effective and legally compliant service.

The main objective of TNPA Port of Port Elizabeth, is to ensure that the sewage waste management service that will be rendered, is environmentally, socially and economically sound as well as legally compliant from handling, transportation, treatment and disposal and that all mandatory waste disposal and reporting requirements are catered for as part of the service rendered by the Service Provider.

Legal compliance by the Service Provider to all statutes, standards and protocols governing the overall management and disposal of sewage must be upheld to ensure TNPA is legally compliant on matters pertaining to the service rendered by the appointed Service Provider. The Port of Port Elizabeth has a Waste Management Plan which must be complied with as part of this service. The PoPE Waste Management Plan, is available on the TNPA Website and can be accessed via the enclosed link:

<http://www.transnetnationalportsauthority.net/OurPorts/Port%20Elizabeth/Pages/Overview.aspx>

#### Waste Management

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|  |      | 21 - TNPA WMP Overall Final A4                            | 2017-04-24 09:34 AM |
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|  |      | Port of Port Elizabeth Waste Management Posters           | 2017-04-24 09:34 AM |

Waste Management Plan document.

The appointed service provider must comply with the TNPA Waste Inventory-Port of Port Elizabeth Rev 1-March 2023 as well as the TNPA Safety Data Sheet – Sewerage Wastewater which are enclosed as part of the tender documents.

The Service Provider shall always prevent pollution during the execution of this Contract.

The Service Provider shall be responsible for the cleaning up of any sewage spillages while executing the requirements of this contract and must ensure that the area is free from sewage pollutants at all times in all sites the service provider manages on behalf of TNPA.

The work shall be carried out under the supervision of TNPA and the Service Provider shall be responsible for the acts and omissions of his/her employees.

The purpose of the works set out in this specification is to pump out the sewerage collection points and high-pressure cleaning of sewer lines on an as and when required basis.

The equipment that is used by the successful Service Provider in executing the requirements of this contract must not cause any pollution or environmental damage.

The equipment of the successful Service Provider must be of such a standard to enable one to execute the above work successfully and therefore the following minimum specifications are applicable:

a) **Vacuum Truck**

- Vacuum unit mounted on truck with at least 6m<sup>3</sup> vacuum space.
- Vacuum suction up to 8 meters.

b) **High Pressure Jetting Truck**

- High Pressure jetting unit mounted on truck.
- Pressure of at least 120 bar and a flow rate of 220 litre/minute.
- 120m jetting hose of at least 25mm-50mm diameter.
- Jetting water tank capacity of at least 3000 litres.

c) **Combination Truck**

- Vacuum suction up to 8 meters.
- Vacuum tank of at least 4m<sup>3</sup>.
- Jetting pressure of at least 120 bar with 220 litre/minute flow rate.
- Jetting water tank capacity of at least 5000 litres.

Sewage waste removed from the Port through the specified trucks in the preceding sections, must as a minimum, be done in compliance with the National Road Traffic Act 93 of 1996, the National Road Traffic Regulations of 2000 and all the relevant South African National Standards and Regulations.

The Service Provider will be required to provide an **Emergency Plan** (e.g. vehicle breakdown, labour unrest/strikes, etc.) to ensure preparedness to mitigate potential pollution and to ensure a continuous service is rendered to TNPA.

The **Emergency Plan** should include at least the minimum of the following or more beneficial services during emergency conditions:

1. Additional vacuum truck available to be provided.
2. Additional driver available to be provided.
3. Personnel trained in responding to hazardous waste spillages.
4. Turnaround time of a minimum of 3 hours for responding to emergencies to be outlined.

The Service Provider will be responsible for any cleanup and remediation required to manage any pollution that results from the execution of this contract.

The Service Provider will be required to purchase TNPA Vehicle Entry Permit/s to gain access to the Port (all vehicles deployed for this Contract will be required to have Vehicle Entry Permits except in the case of a temporary vehicle used in an emergency/breakdown etc. Temporary vehicle information will need to be provided to the TNPA official managing this Contract before the use of the vehicle).

- d) Treatment and disposal of sewage waste generated from TNPA will only be done at sites that are legally authorised to accept this type of waste. The Service Provider will therefore be required to supply the name and location of disposal facility (wastewater treatment facility) to be utilized for the sewage waste, including a copy of a Permit or License of such disposal facility, prior to the commencement of Contract.
- e) For each waste consignment, the Service Provider is expected to submit to TNPA:
  - Legally Compliant Safe Disposal Certificates
  - Legally Compliant Waste Manifests
- f) The Service Provider will be required to register on the South African Waste Information System (SAWIS) as required by SAWIC (South African Waste Information Centre). TNPA Port of Port Elizabeth is already registered on the system and will provide the service provider with the necessary registration number and/or additional information required in this regard such that the Service Provider is able to upload the sewage waste quantities on SAWIS monthly.
- g) Invoices will only be paid if they are accompanied by a stamped disposal certificate & legally compliant waste manifests from a waste disposal (wastewater treatment) facility that is legally authorised to accept this type of waste (sewage / sewage effluent).
- h) The Service Provider must be available to deliver an emergency service (24) hours per day, 7 days a week, with a **3-hour response time as and when required.**

- i) The Service Provider to provide the relevant license to undertake the services requested.

**1.3. PROTECTIVE CLOTHING / SAFETY**

- (a) The Service Provider shall ensure compliance with all statutory requirements and regulations applicable to the industry where the service is rendered, including but not limited to:
- The National Environmental Management Act (Act no 107 of 1998)
  - The Occupational Health and Safety Act, 1993 (Act no 85 of 1993)
  - The Labour Relations Act, 1995 (Act no 66 of 1995)
  - The Basic Conditions of Employment Act 1997 (Act no 75 of 1993)
  - National Railway Safety Regulator Act (16/2002)
- (b) Applicable personal protective equipment to be always worn while on site. The Service Provider shall provide any personal protective items required for the safe performance of work. Protective clothing, equipment and devices shall, as a minimum conform to OHS standards.
- (c) The Service Provider shall ensure that the staff is fully trained in the safety of the environment in which they work.

#### **1.4. LOCATION OF SITE AND ACCESS**

The location is within the Port of Port Elizabeth. Entrance can be gained via Baakens, Flemming and Green Street gates only. The overall layout / plan of the port entrance gates and sewage collection points is shown in Figure 1.



Figure 1 – Overall Layout of The Port

#### **1.5. WORKING HOURS**

- 1.5.1. The working hours shall be from 8h00 to 16h00, Monday to Friday.
- 1.5.2. The Service Provider must not vary the standard working hours without a written instruction from the Project Manager.
- 1.5.3. Care should be taken to minimise the impact on port operations while conducting work.

**1.6. PAYMENT**

- 1.6.1. The Service Provider must invoice TNPA in a form approved by TNPA representative (quoting the purchase order number), for all payments under the contract after completion of works.
- 1.6.2. Payments to the Service Provider will be made according to TNPA payment policy from the date of capturing an invoice, provided that the content of the invoice has been certified as correct by the TNPA representative and nothing in the invoice is in dispute.

**1.7. INDEMNITY AND INJURY MANAGEMENT**

- 1.7.1. The Service Provider and any persons from the Service Provider working on site must first ensure that they provide their signatures on the indemnity form before entering the site.

**1.8. COMPLIANCE WITH RELEVANT STATUTES**

- 1.8.1. The Service Provider shall ensure that all current statutory laws, future legislation and requirements that may be passed pertaining to the storage, handling, removal, transportation, treatment and disposal of waste are/will be complied with and undertakes that the procedures for undertaking this work shall comply with all applicable Legislation, Codes of Practice, Local, Regional, Provincial, National Authorities' Requirements including but not limited to:
  - Environmental Conservation Act (1989)
  - National Environmental Management Act (1998)
  - National Environmental Management Waste Act (2008)
  - The National Road Traffic Act (1996)
  - The Hazardous Substances Act (1973)
  - The Occupational Health and Safety Act (1993)
  - Common Law
  - Nelson Mandela Bay Municipal Bylaws and
  - Any other relevant legislation



- 1.8.2. All practices regarding this Contract shall also comply with the Port of PE Waste Classification Reports as well as the Waste Management Plan, which is available on the TNPA Website and can be accessed via the enclosed link:

<http://www.transnetnationalportsauthority.net/OurPorts/Port%20Elizabeth/Pages/Overview.aspx>

**Waste Management**

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Waste Management Plan document.

- 1.8.3. The Service Provider shall comply with the Port of Port Elizabeth's SHEQ regulations and requirements.
- 1.8.4. The Service Provider shall submit a SHE File for approval and as required by the TNPA Port of Port Elizabeth SHEQ Department. The SHE File must be in line with the scope of work and be kept up to date for the duration of the Contract.
- 1.8.5. Contractor Management SHE Documentation
- Please refer to the EMP Template and submit as part of the SHE File returnable documents.
  - Please refer to the Contractor Compliance File Assessment Checklist and submit as part of the SHE File returnable documents.
  - The Service Provider is required to develop a Safe Operating Procedure and Risk Assessment.
  - The Service Provider must ensure that employees medical certificates are signed off by a registered Occupational Health & Safety Doctor.
  - The Service Provider needs to ensure that the nature of business on the Letter of Good Standing is aligned to the services to be rendered.

**Abbreviations:**

|       |   |
|-------|---|
| SHE:  | Safety, Health and Environment            |
| OEMP: | Operational Environmental Management Plan |
| EMP:  | Environmental Management Plan             |
| OHS:  | Occupational Health and Safety            |

***Note:***

- The Service Provider may only commence with work on site after all the above requirements have been met and employees have attended TNPA SHE Induction.
- The documentation received by the SHE Department from the Service Provider must be kept on the Contract SHE File.

**1.9. PARKING & VEHICLES**

- 1.9.1. Where required, the Project Manager will approve parking area. Vehicles used for people and equipment transportation must be easily identifiable as that belonging to the contractor.

**1.10. ASSIGNMENT AND SUBCONTRACTING**

- 1.10.1. If the Service Provider has subcontracted the designated work, TNPA requires the Service Provider to notify TNPA of any such appointments and to ensure that the subcontractor complies with all the conditions as stated in this contract. The contractor must at minimum be able to respond to emergency callouts.
- 1.10.2. The main Service Provider will be responsible for all the terms and conditions as stated in this contract and under no circumstances will any responsibility be transferred to the subcontractor. If the Service Provider at the time of work has caused damages to the port's services (sewer, water, electrical, etc.), TNPA PORT OF PORT ELIZABETH must be notified immediately.
- 1.10.3. The Service Provider will be held liable for all damages to existing services.

**1.11. PENALTIES FOR NON-COMPLIANCE TO SERVICE LEVEL AGREEMENT**

- 1.11.1. Where the Service Provider fails to provide the Services within the agreed and accepted milestone timelines and provided that the cause of the delay was not due to a fault of TNPA, penalties shall be imposed at 1.5% of the contract value per day.

**1.12. GENERAL PRICING INSTRUCTIONS**

- 1.12.1. Pricing Assumptions mean the criteria as set out below, read together with all Parts of this specifications document, which it will be assumed in the contract that the tenderer has considered when developing their rates and prices.
- 1.12.2. Tenderers are advised that the Bill of Quantities is a "provisional bill" subject to re-measurement as the work proceeds.

- 1.12.3. The initial quantities set out in the Bill of Quantities are approximate and do not necessarily represent the actual amount of work to be done and shall be re-measured and paid for based upon the actual final quantity of work done and certified for payment by the Supervisor in terms of the Contract and as described in the Pricing Assumptions.

## **2. BILL OF QUANTITIES**

- 2.1. The contracted period is expected to start on 01 December 2025 and end on 30 November 2028 (36 Months) on an as and when required basis.
- 2.2. The tendered rates must be all inclusive for the tasks to be conducted. This pricing schedule should be completed only after reading the scope of works and pricing instructions. The pricing schedule must be completed in full and failure to do so will result in disqualification. Refer to Pricing Scheduled document for the detailed pricing schedule.