

TRANSNET NATIONAL PORTS AUTHORITY**WORK SPECIFICATION****ANNUAL FLUSHING, CLEANING, AND CCTV INSPECTION OF THE HAZMAT RETICULATION SYSTEM IN ISLAND VIEW, PORT OF DURBAN****1. SCOPE OF WORK**

For the purpose of this contract "Work" shall include the annual flushing, cleaning and removal of resultant waste collection from the Hazmat reticulation system located in Island View.

2. BACKGROUND

Hazmat drains need to be cleaned and maintained so that TNPA will have control over the system, against blockages and unauthorized use during heavy pours of rain companies draining bunds into the Hazmat Line. The system will need to be cleared of any blockages and be in clear in the event of an emergency as well as to inspect the integrity the infrastructure.

3. DURATION OF CONTRACT

The contract period will be 36 months from the date of the contractor being notified of the acceptance of his tender till the end of the 36 months or the monetary value is reached whichever comes first.

4. SUPERVISION

Tenderer or a responsible person empowered to act for him shall be constantly on the site to supervise and receive the instructions of the Engineer.

5. TO BE SUPPLIED BY THE CONTRACTOR

Tenderer shall supply all necessary materials, labour, tools, plant, PPE, demarcating signage skips including waste disposal and transport required for the proper completion of the works. Safety plan must be provided showing how safety will be managed.

6. TO BE SUPPLIED BY TRANSNET NATIONAL PORTS AUTHORITY

Transnet National Ports Authority will supply the necessary on site quality control/ supervision.

7. INFORMATION TO BE OBTAINED ON SITE

The tenderer shall visit the site of the proposed work and acquaint himself with the nature of the work, the conditions under which the work is to be performed.

The means of access to the site, any limitations, or other authorities. in general, with all matters that may influence or affect the contract and shall be deemed to have allowed in his tender for any additional cost involved due to the foregoing, as no claims for any extras in connection with the position or nature of the work will be entertained.

8. ACT 85 OF 1993

8.1 HANDING OVER SITE TO THE CONTRACTOR

For the purposes of the Occupational Health and Safety Act 1993 (Act No 85 of 1993) the site (place of work) is transferred for the duration of the contract to the control of the Contractor as if it were his/her property. As employer he is in every respect responsible for the compliance of the provision of this Act, as well as the application of General Administration Regulations 13 to the employees of Transnet National Ports Authority who visit the site. All works/contractors will be subject to the Act and control of the relevant Transnet National Ports Authority Risk Official.

8.2 SPECIAL REQUIREMENTS

Tenderer shall pay special attention and compliance to Transnet National Ports Authority SHE Specification, a copy of which is included with this tender. Contractor to also submit a SHE file to risk department for assessment and approval.

8.3 SAFETY HEALTH AND ENVIRONMENT FILE REQUIREMENTS

SHE File is to be kept on site at all times. The file as to contain amongst others:

- ❖ Valid Letter Of Good Standing With The Compensation Insurer
- ❖ General Liability Insurance(Summary Of Policy)
- ❖ Client, Safety, Health And Environmental Specification
- ❖ Health And Safety Plan
- ❖ Section 37(2) Agreement
- ❖ Notification Of Construction Work
- ❖ Principal Contractors Construction Site Organogram
- ❖ Method Statement
- ❖ Risk Assessment
- ❖ Appointments
- ❖ Health And Safety Training Records - Induction Records And Tool Box Talks
- ❖ Copies of Tool Box Talk Topics. These Talks Should Deal With Risks Relevant To the Construction At Hand
- ❖ List Of Sub Contractors
- ❖ Emergency Contact Numbers
- ❖ Monthly She Meeting Minutes
- ❖ Checklists/Register
- ❖ Emergency Plan
- ❖ First Aid and Equipment
- ❖ PPE and Clothing , Register
- ❖ Signage
- ❖ Environmental Management Plan
- ❖ Fall Protection Plan(Inclusive Of Risk Assessment)
- ❖ Incident Investigation Report
- ❖ Medical Examinations(Working At Heights
- ❖ Permits(Hot Work, Confine Space, Excavation, Hi-Voltage)
- ❖ Material Safety Data Sheets
- ❖ Any other information as prescribed by the Risk assessment.

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ISLAND VIEW SAFETY RULES

- Entry is restricted. Persons have to request entry permit from Cutler prior to undertaking any work in the Complex.
- You will have to produce your green ID document.
- The Island view complex is a Major Hazardous Installation and a National Key Point
- Be alert to all inherent dangers or any emergency distress alarms. The testing of the alarm is every Thursday at 10am. The all clear is given at 10:15am
- Do not obstruct traffic flow in anyway
- Obey road signs at all times
- The maximum speed limit is 30 km/h
- Only authorised persons are allowed to take photographs
- Unauthorized work on any installation within the parameters of the Island View Complex is not allowed. All work to be conducted must be authorised by the Cutler Management and the TNPA Fire and Emergency Services
- Do not enter cargo handling areas unless authorised to do so
- All cellular / mobile phones are to be switched of when entering the berths
- No vehicles are allowed to enter the berths without authorisation from the TNPA Fire Officer
- No smoking or open flames are allowed.
- No dumping of litter or any other material is allowed, appropriate waste receptacles must be used for this purpose.
- Permits will be required and should be requested to the TNPA Fire if the following activity is being conducted :
 - Excavations
 - Hot / cold work
 - Maintenance
 - Building of scaffolding
 - Working at heights
 - Fabrication work
 - Cutting of grass
 - Sandblasting
 - Diving
 - Cleaning

8.4 The EMP must include, but not limited to the following sections detailing the environmental risks/possible impacts and management controls (mitigation measures) pertaining to the risks listed in the section:

- Site establishment including contractor's site camp;
- Protection of sensitive/no-go areas;
- Management of hazardous chemicals and flammable substances;
- Pollution control & Spill response;
- Waste Management;
- Environmental education and awareness;
- Protection of marine species and birds;

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- Removal of project waste and debris from the marina waters;
 - Decommissioning of site camp;
 - Monitoring and auditing and;
 - Record keeping.
- Take a sample of the waste from each Hazmat line found in the 12 Zones to determine if it is hazardous or non-hazardous.
The sample must be analyzed at a SANAS Accredited facility.
The waste must be managed, classified, assessed for disposal and disposed in terms of the following
- 8.4.1 National Environmental Management Waste Act (Act 59 of 2008);
 - 8.4.2 Waste Classification and Management Regulations (No.R.634).
 - 8.4.3 National Norms and Standards for the assessment of waste for landfill disposal (No.R.635)
 - 8.4.4 National Norms and Standards for disposal of waste to landfill (No.R.636)
 - 8.4.5 Other applicable environmental laws, legislation and by-laws

*** N.B. All Safety, Health and Environmental costs must be built into your Bill of Quantities.**

9. CLEARING OF SITE

All excess and discarded material shall be disposed of at a registered landfill site. The service provider must ensure while working on site the discarded material shall be placed in a suitable waste container or skip to avoid ground or water pollution. The service provider must receive weighbridge slip or disposal certificate from the landfill site. The certificate or weighbridge slip must be forwarded to the Engineer. The work will not be deemed to be complete unless the site is cleared to the satisfaction of the TNPA Project Manager. Burying of discarded material will not be tolerated. All relevant legislation pertaining "WASTE" must be adhered to.

10. WORK SPECIFICATIONS

- Tenderer must display signage at all times when work is taking place.
- Working hours Monday-Friday are 07:00am – 15:30pm, weekend and working after hours to be approved by project leader.
- A safe traffic flow procedure must be in place when working on roads.
- PPE to be utilized at all times.
- Work area to be correctly demarcated.
- All rubble and Debris must be cleared from site and site to be left clean.
- All gear applied, installed, erected or utilized to conform to manufacturer's specifications.
- All work to be completed by a relevantly qualified tradesperson.
- Tenderer to comply with All Local and Regional municipal by-laws.
- Tenderer to provide work program to TNPA before any work commences on the Hazmat reticulation system.
- Tenderer to note all relevant details regarding location, environment and safety requirements during the Tender process.
- Any work undertaken, must first be requested by the TNPA Project Manager.

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- A permit must be completed at the Island view Fire station before commencement of any work at the Island view complex.
- Tenderer to arrange testing of water samples within Hazmat drains.
- The service provider is expected to collect the sediments samples from the bottom and concentration analysis by approved laboratory is to be done.
- The service provider should collect the samples and send it to the accredited Laboratory to be analyzed for the following group of compounds:
 - (a) Hydrocarbons screening
 - (b) Phenol
 - (c) Microbiological Determinants
 - (d) Acid screening
- The Laboratory Result should be submitted to TNPA Representative, no work will be done until TNPA receive the results.
- The appointed service provider will only commence with the actual flushing and cleaning once the laboratory report has been submitted to TNPA project leader and Environmental Department for information and consideration.
- All relevant documentation including waste disposal certificates must be obtained from the company (de-sludge company)
- Service provider to supply water for their jetting/cleaning machinery to flush the entire system starting from the heads of each branch line including all manholes along the reticulation system to the stop points situated at the Berth, including company sites and petrol roads in the "Island view" complex.
- Where product is found it must be removed and cleaned.
- Disposal off product must meet all environmental by-law.
- Service provider to supply drager machine for testing air. Testing to be done before and during working at a manhole.
- If product is found in the line, the contractor must work overtime to remove all products from the system, so that it is safe.
- All environmental issues regarding floating booms, drain sock, oil absorber (Peatsorb) etc. must be utilized by the Service provider along with an excepted EMP. The EMP must be passed by the TNPA environmental department before the commencement of work. All environmental issues to be overseen by TNPA environmental. The EMP must collect all waste before entering the Harbour nevertheless a contingency plan for polluted water entering the Harbour via these hazmat discharge points in case of emergency must be addressed in the EMP.
- Once cleaned Tendering Company to video survey all drains and hand TNPA 1 DVD copies of every surveyed section. DVD to contain all relevant information on screen.
- Re-instate Hazmat manhole covers and make good area on completion.
- All manhole covers to have new signage and made visible on completion.
- All areas to be made good on completion.
- Service provider to supply all plugs of all sizes that is required for this project.
- All plant and equipment must be available to Transnet throughout the contract.
- Certificate of roadworthiness for vehicles to be used, not older than six months from the date of tender invitation issued by KZN Department of Transport
- No dumping or vacuuming of any substances from or into the Harbour. This will result in the instant termination of contract.
- Should the Service Provider fail to have the Vehicles, Plant and Equipment on site when needed, a penalty equal to R500.00 per day will be deducted from any monies due, for each day in breach.

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11.1 ELEGIBLE CRITERIA

The following eligibility criteria will form the basis of evaluating all tenders and failure to comply will result in the elimination of the tender:

- Copy of valid Scheduled Trades and Occupation Bylaws permit from the eThekweni Municipality.