



PORT OF RICHARDS BAY

Document Title:

SCOPE OF WORK

Project Title:

ERADICATION OF ALIEN INVASIVE PLANTS AND PEST CONTROL AT TRANSNET PORT TERMINALS (TPT), RICHARDS BAY FOR A PERIOD FOR 12 MONTHS

REVISION 02: FOR QUOTATION

SCOPE OF WORK

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1. BACKGROUND

Transnet Port Terminals is required, in terms of the Conservation of Agricultural Resources Act (Act 43 of 1983) to control alien vegetation within its jurisdiction. Transnet Port Terminals is compelled to monitor and control the spread of alien invasive vegetation within its boundaries which includes eradication of alien plants and conducting regular inspections to assess and prevent the spread of these plants.

An inspection confirmed the presence and proliferation of alien invasive plants, with common species including the Castor Oil bush (*Ricinus Communis*), Tickberry (*Lantana Camara*) and Triffid Weed (*Chromolaena Odorata*).

To ensure legal compliance, TPT must appoint a service provider to control the alien plants within the port. The service provider must spray and remove all alien plants and make a follow up removal to ensure complete eradication. A plan must be developed to address seasonal regrowth. Removal of vegetation will be done by manually cutting of the stumps, treating and by the use of the spray method and root removal of seedlings and smaller shrubs. TPT intends to appoint a reputable service provider with the knowledge of alien plants and experience in eradication of such plants.

From time to time there is close encounters with different types of pests including bees and snakes. These pests may have a negative impact on TNPA employees' health and safety and may also damage TPT's property. TPT seeks to appoint a suitable qualified and experienced service provider to be on standby to assist with the removal of bees or snakes if and when required.

2. PROJECT SCOPE

Figure 1 includes the areas to be covered, although TPT may request alternative areas to be attended to depending on the needs. All alien invasive species in these areas need to be removed effectively in such a way that the treated plant does not survive and sprout again.

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The service must include uprooting, plant spraying or cutting of stumps and treatments which will ensure complete eradication of all invasive plants in the affected areas. Upon completion of work, the service provider will be required to prepare a report that will be detailing the work done. Information that will have to be included in the report are: the section worked, the methods used, the types of chemicals and amounts used. All plants eradicated through cutting the stump system must be sprayed with suitable chemical to ensure that it does not grow again. The area to be covered is 1.5 hectare.



Figure 1: Location of focus areas for alien invasive plant eradication, indicated in colours

Transnet Port Terminals is committed to ensuring a reduction of health and environmental impacts emanating from its operations and aims to maintain a clean and healthy environment at all times. As part of initiatives the SHEQ department requires a reliable service for the eradication of invasive alien plants within the Richards Bay Terminal.

Ad hoc call outs will be made to catch and handle dangerous pests like Snakes and Bees.

3. LOCATION

All work will take place at Dry Bulk Terminal (DBT) and Multipurpose Terminal (MPT), Port of Richards Bay.

The areas to be serviced are as follows:

- E & F Slab

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- Behind CCR Building
- Next to new Export Mechanical Workshop
- Around Coking Coal Shed
- Waterways near Coking Coal Shed under conveyors
- Neobulk Slab (sea side)
- 6 Series Slab (606)

Ad hoc areas within the terminal.

4. TECHNICAL SPECIFICATIONS

Deliverables

The Contractor shall comply with all the relevant sections and regulations of the Occupational Health and Safety Act, Act No. 85 of 1993 during the contract period. The Contractor will be responsible for adherence to TPT's safety rules. To ensure that the contractor complies with relevant safety legislative requirements; the service provider must bring all employees to be involved in the project for SHEQ induction at least two weeks prior to the date on which work is scheduled start.

The contractor's SHE file must be submitted via SHEQ Manager at least 2 weeks prior to the scheduled start of the work to ensure that is approved on time. The content of the SHE file will be communicated to the awarded service provider by the TPT SHEQ Manager.

The SDSs of chemicals to be utilised on site must be submitted as part of the Safety File. Proof of communication of the Hazards, Risks and control measures including MSDS's with the workers will need to be presented to TNPA Environment Department prior to undertaking any work on site. Proof of MSDS communication for all new employees will also need to be presented.

Waste Management

All waste generated during the course of the project must be collected in waste receptacles and disposed accordingly be it food and drink containers, plastics, chemicals containers and any other types of waste must be disposed in a responsible manner at the Contract's cost. Sposal certificates thereof must be submitted to the Environmental Officer. The Contractor will not be permitted to use TPT waste skips located around the terminal.

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Service provider is required to make means of providing his or her employees with ablution facilities and sitting area. These facilities must be kept in clean and hygienic condition and must be moveable to ensure that the teams do not have to travel far to access them.

5. SCOPE REQUIREMENTS

The project must be commissioned and handed over to Transnet Port Terminals. The Service Provider must submit a monthly plan to the TPT Project Manager/Environmental Officer. The project will not be signed off as complete unless the TPT project manager's inspection has been completed accordingly and then signed off by a TPT representative.

The Service provider will be required to be on site 5 days per month to complete the tasks according to the areas identified by the Environmental Officer.

Alien invasive plant species must be removed from TPT's vegetative areas in a sustainable manner. Methods utilised should avoid or move towards avoidance of chemical applications, preferably root extraction should be the preferred method. Monthly follow-ups are required to eliminate seasonal spread through regrowth of seedlings.

The service provider must remove and dispose of waste garden refuse and disposal certificates must be submitted to the Environmental Officer.

The Service Provider shall attend to call outs as and when necessary to remove snakes or bees from the premises.

6. SITE INFORMATION

6.1 SITE ACCESS

The site is at the Dry Bulk Terminal (DBT) and Multipurpose Terminal (MPT) in the Port of Richards Bay. Access to the site will be from the existing public and maintenance road networks whilst access to the Port of Richards Bay will be through the formalised West Access Gates. Access to the Port of Richards Bay will be subject to the TPT security requirements and regulations.

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Contractors must bring copies of their Identity books or their Drivers licence, in order to be allowed access at the main gate. Failure to do so will result in a contractor being denied access to the port.

6.2 SITE FACILITIES AVAILABLE

No facilities or site establishment has been provided for by the employer because of the nature and duration of the works. Should the contractor require an allocated lay down area it can be discussed and arranged.

6.3 SITE CONDITIONS

The Richards Bay Terminal is a noisy dusty environment and contractors are expected to provide their employees with dust masks, goggles and ear plugs while working on site.

7. GENERAL

The Contractor shall not restrict the free use of any road, right-of-way or path on Transnet property unless he has obtained the approval. The Contractor shall make good or bear the cost of making good any damage caused by him to any road, path or street on Transnet's property. No permanent works or structures of any nature will be erected on TPT's property.

No material shall be provided by Transnet Port Terminal.

Entrance Security Permits; The Contractor shall take out temporary entry permits for all staff working within the harbour. All costs incurred shall be borne by the Contractor or his staff and shall be included in the tendered rates. The contractor must comply with all Port of Richards Bay Security requirements while working in the Port.

All Contractors are to at all times wear all the necessary PPE, (Personal Protective Equipment), and to work safety. Part of this PPE will include a Reflective Vest. The vest is equipped with an ID pocket on the front left breast and a Contractor's name on the back.

No plant operation must be interrupted or isolated without the section supervisor's authority.

The works shall be designed and planned such as not to have any effect on the environment, e.g. good housekeeping must be maintained etc.

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ANNEXURE "B"

8. PRICE SCHEDULE

Please ensure the pricing is detailed

<u>Item no.</u>	<u>Details</u>	<u>Qty</u>	<u>Frequency</u>	<u>Unit Price</u>	<u>Net Price</u>
A. Invasive Alien Plants Eradication					
1	5days	12	Monthly		
2	Waste Removal and Disposal	12	Monthly		
3	Chemical supplies	12	Monthly		
B. Common Pest Removal					
1	Ad hoc call out for bees	8	As & when		
2	Ad hoc call out for snakes	8	As & when		
C. Others(Please specify)					
1					
2					
Sub Total					
				15% VAT	
				Total Inc. VAT	

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8. EVALUATION CRITERIA

Number	Criterion Detail	Score %
1.	Extensive company profile including details of similar work carried out in the past and;	10
2.	Proven track record on the work carried out in the past and provide 3 (two) references and their contact details. Work should have been conducted within 2023 to date. No points will be awarded for unrelated work.	10
3.	Proposed plan (program) of works that will be implemented to fulfill the TPT requirements. Inadequate plan will result in no score. The plan of works must include the timeframes. If the plan has no timeline or milestones to be achieved per certain time intervals, will result to no points.	10 10
4.	Copies of training certificates to prove that the contractor and employees to work on this project have been trained to conduct the work required which is eradication of invasive alien plants.	20
5.	Pest Control Operators certificates as issued by Department of Agriculture as per Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act 36 of 1947 3(1)(a).	10
6.	Standard Operating Procedure for the work to be carried out.	10
7.	List of equipment and chemicals to be used to eradicate Invasive Alien Plants and their Safety Data Sheets (SDS).	5 5
8.	Safety, Health and Environmental (SHE) Risk Assessment. Generic risk assessment may be supplied; however, an appointed service provider will be required to develop a project specific risk assessment.	10
TOTAL		100%
Qualifying Criteria Threshold:		
The bidder must attain 80% or more to qualify for evaluation.		