

Specification for Invasive Alien Plants Eradication Project at the Port of Richards Bay for 36 Months

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A Background and Introduction

- Transnet National Ports Authority (TNPA) as a landowner of the Port of Richards Bay and an organ of state is required, in terms of the National Environmental Management: Biodiversity Act 10 of 2004

(NEMBA) and the Conservation of Agricultural Resources Act 43 of 1983 (CARA), to control alien and invasive vegetation within its boundary.

- To comply with NEMBA, Alien and Invasive Species Regulations of 2020, TNPA must put reasonable controls to prevent the escape and spread of the species, its growth or spread of propagules and must include the eradication and control of the spread of Category 1a, 1b, Category 2 and Category 3 alien and invasive species within its jurisdiction.
- TNPA, Port of Richards Bay is infested by alien and invasive plants with most perpetrators being the Castor oil plant or *Ricinus communis*, *Lantana camara* (Tickberry), *Chromolaena odorata* (Triffid weed), *Parthenium hysterophorus* (Famine Weed), *Rivina humulis* (Bloodberry), casuarina (new growths) as well as other new species.
- To ensure legal compliance, an Alien Invasive Plants Eradication Programme has been implemented; hence TNPA intends to appoint a reputable service provider with the knowledge of alien plants of all categories and eradication of such plants.
- The service provider must identify, control, and eradicate alien and invasive species in accordance with the Alien and Invasive Species Regulations of 2020, the Alien and Invasive Species List of 2020 and CARA Regulations of 1984.
- The service provider must spray and remove all alien plants and make a follow up removal to ensure complete eradication. This will be done by manual cutting of the stump and treating and also by the use of the spray method.
- This project will be carried on monthly basis, to ensure all areas are worked thoroughly. Each session will start by complete eradication of alien plants in all areas in the port and followed by continuous follow up sessions, to ensure minimal to no regrowth of the alien plant seedlings occurs.

- The total area to be eradicated is shown on the table below:

Area	Size (ha)
- IAP S1 (South Dunes Precinct)	- 183
- IAP S2 (South Dunes Precinct)	- 99.2
- IAP S3 (South Dunes Precinct)	- 49
- IAP S4 (South Dunes Precinct)	- 214
- IAP S5 (Road to South Dunes)	- 138

- IAP S6 (Bayvue Precinct)	- 296
- IAP S7 (Bayvue Precinct & Newark Precinct)	- 261
- IAP S8 (Newark Precinct)	- 23
TOTAL	1 263.2

B Scope of Work

- The areas to be covered are shown in the map attached at the bottom of this document (see Annexure A). During the inspection undertaken by the TNPA Environmental Department to assess the spread of the Invasive Alien Plants (IAPs), the areas marked were identified as infested with the alien plants.
- Works should also include all TNPA operational areas that may be infested with IAPs.
- The tenderer will have to conduct monthly Invasive Alien Plants Eradication sessions (Full eradication and removal, to ensure no regrowth) and produce a detailed report for each session. A consolidated report of work that has been conducted throughout the year must be provided end of first financial year and a report for the contract period must be prepared by the service provider after the last session of the eradication.
- It is important to note that upon completion of each phase, the service provider must provide monthly reports detailing:
 - the types of alien and invasive plants found in the area (i.e., scientific and common names).
 - photographic evidence showing the site before control was implemented and the site after control.
 - the section worked and time spent on site.
 - types and amount of chemicals used for each site.
 - challenges experienced.
- The yearly reports or consolidated reports must provide:
 - an introduction or background.
 - a methodology section which covers the sections worked, the equipment used, the types and amounts of chemicals used, time spent on site.
 - a results section with photographic evidence of the sites before and after the eradication programme was implemented.
 - a section detailing the efficacy of the eradication programme, including the challenges experienced and recommendations.

- an alien and invasive eradication plan for the following years.

C Briefing Session

- The bidders would be required to attend a compulsory tender briefing session which will include a site orientation. Failure to attend the tender briefing session will result in an immediate disqualification of an application.

D Safety Requirements

- The Contractor as the employer 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 TNPA's safety rules. To ensure that the contractor complies with relevant safety legislative requirements; the service provider bring all employees to be involve in the project for safety induction at least two weeks prior to the date work is scheduled start and must submit a SHE file via TNPA Project Manager to TNPA Risk department for review and approval prior to commencement of any works.
- The SHE file must be submitted via Project Manager **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 TNPA Project Manager.

E Waste Management

- All waste generated during the cause of the project must be collected in waste receptacle and disposed accordingly, be it food and drink containers, plastics, chemicals containers and any other types of waste material. Waste must be disposed in a responsible manner.
- The 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 a clean and hygienic condition and must be moveable to ensure that the teams do not have travel far to access them.
- All plants eradicated through cutting the stump system must be sprayed with suitable chemical to ensure that it does not grow again.

F Fee Structure

- The quotation must contain a detailed budget that gives sufficient breakdown of the estimated assignment costs for the duration of the assignment. The fee structure shall take into consideration the different intervals for undertaking each activity.

- A detailed invoice must be submitted on the completion of each stage of the project – specifying each element of the project completed/done. Verification will have to be done by the TNPA Environmental personnel.

G Prices/ Charges

- The price will remain firm for a period agreed on in the contract.
- No price variation will be accepted.
- No variation orders will be entertained when the company is advised after such work has been done.

H Time of Delivery

- The service provider must note that time is of the essence in the contract and that the successful service provider will be required to complete work by no later than the agreed date.
- As specified above the eradication work will be expected to begin upon award of the contract and end on the specified period of 36 months.
- The successful service provider shall undertake to: *Advise the Environmental Manager in writing, as soon as possible as it becomes evident that for any reason the required delivery date cannot be met; Negotiate a new delivery acceptable to the Company, provided that the Company reserves its right to hold the service provider to the original date, save and except in instance of vis major; and Provide the Environmental Manager with documentary proof of the final delivery or completion of the order within seven (7) days of such an event.*

I General

- The Contractor shall not restrict the free use of any road, right-of-way, or path on Transnet National Ports Authority property unless he has obtained the approval of the authority / owner concerned.
- 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 National Ports Authority's property.
- No permanent works or structures of any nature will be erected on TNPA's property.
- No material shall be provided by Transnet National Ports Authority.
- Site Access:

- 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 TNPA, Port of Richards Bay Security requirements while working in the Port.

J Schedule of Quantities

	Description										
Preliminary and General (Once-off)	Including PPE and other preparatory costs										
Activity	Description	Year 1			Year 2			Year 3			
		Rate Per Item			Rate Per Item			Rate Per Item			
	Eradication and complete removal of alien invasive species.	Rate Per Hectare	Rate Per Month	Annual Rate	Rate Per Hectare	Rate Per Month	Annual Rate	Rate Per Hectare	Rate Per Month	Annual Rate	
		R	R	R	R	R	R	R	R	R	
Progress Report	Progress report detailing the work done per month (see section B for what is required).	N/A	R	N/A	N/A	R	N/A	N/A	R	N/A	
	A consolidated report for each financial year (see section B).	N/A	N/A		N/A	N/A		N/A	N/A		
	Total	N/A	N/A	R	N/A	N/A	R	N/A	N/A	R	
Overall Sub-Total (Before VAT)		R									
15% VAT		R									
Overall Total (After VAT)		R									

NB: 1 Hectare = 10 000 m²

Total Amount in Words (Excl. VAT)

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Annexure A: Complete arial photograph of the port and areas to be eradicated.



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