

SPECIFICATION FOR ALIEN INVASIVE SPECIES CONTROL AND MONITORING PROGRAM FOR A PERIOD OF TWO YEARS WITHIN THE PORT OF EAST LONDON

BACKGROUND AND INTRODUCTION

Transnet National Ports Authority as a landowner of the Port of East London is required, in terms of the National Environmental Management: Biodiversity Act 2004 (Act 10 of 2004) section 75 (1), must monitor and control listed invasive species carried out by means of methods that are appropriate for the species concerned and the environment in which it occurs.

To ensure legal compliance, TNPA seeks to appoint a service provider that will monitor, control and eradicate where necessary the areas that are infested by alien invasive plant species in the Port of East London. Transnet National Ports Authority intends to appoint a competent service provider with the knowledge and expertise of alien invasive plant species of all categories and with experience in the monitoring, control and eradication of such plants. The assessment will inform the development and implementation of the long-term monitoring, control and eradication program for the Port of East London.



Figure 1:TNPA Port of East London

SCOPE OF WORK

1. Outputs

The successful tenderer shall be required to:

- ❖ The successful tenderer shall be required to control and monitor alien invasive species in the Port of East London.
- ❖ Compile a detailed list and description of any listed invasive species occurring on the relevant land
- ❖ a description of the parts of that land that are infested with such listed invasive and an assessment of the extent of such infestation.
- ❖ the current measures to monitor, control and eradicate such invasive species.
- ❖ measurable indicators of progress and success, and indications of when the relevant land; species; and control plan is to be completed.
- ❖ The contractor shall ensure that all alien invasive plant species that are on site are identified, categorized and their location mapped.
- ❖ Contractor to provide shapefiles to TNPA upon completion of the assessment and provide updates where necessary for the duration of the contract.
- ❖ The alien invasive monitoring shall be conducted in line with the Port of East London Alien Eradication Control Plan, Biodiversity Management Plan, and all applicable legislative requirements.
- ❖ Provide ad-hoc services to identify all species that are threatened or in need of national protection in terms of National Environmental Management: Biodiversity Act (10 of 2004) Section 56 (1), that may be found in the proposed areas where the control and monitoring of alien invasive is being conducted.
- ❖ All identified threatened species that may occur on site must be listed, categorized and their location mapped.
- ❖ Identify and make a list of all protected tree species under the National Forests Act, (84 of 1998) that may be found in the proposed areas where the alien invasive species control and monitoring will be conducted.
- ❖ The contractor must make recommendations for a Permit application: Restricted activities of Alien and listed Invasive Species, where such species are deemed applicable, submit such applications to DFFE on behalf of TNPA.
- ❖ Develop a follow-up program that will be implemented over the duration of the contract.
- ❖ Produce a detailed report which will include control measures when conducting removal and monitoring activities, indicating the areas worked, the types of chemicals and

amounts used, and the dates (number of days worked), whether a need will arise to repeat the same activity, and the frequency thereof.

- ❖ Detailed management plan on the proposed disposal methods of the eradicated species.
- ❖ Prepare a report that will detail the work done indicating the areas worked, the types of chemicals and amounts used and the dates (number of days worked), whether a need will arise to repeat the same activity, and the frequency thereof.
- ❖ Review and update the Alien Eradication Control Plan prior to the end of the contract period.
- ❖ It is an express condition that all tenderers will attend a compulsory site inspection to 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, any limitations or restrictions that may be imposed by Transnet National Ports Authority, local or other authorities.

Alien Weeds Control

- ❖ All application of herbicides shall be done in accordance with the manufacturer's instructions and good environmental practice and must be registered with the Department of Agriculture for specific alien weeds.
- ❖ A registered Pest Control Operator (PCO) must always be on site to supervise the work.
- ❖ In addition, all safety measures and protection (including all personal protective clothing), as required by the manufacturer of the herbicides, including the correct means of disposal of empty containers.
- ❖ In ecologically sensitive areas, all other invader plants are to be treated with herbicide taking care to not affect indigenous vegetation.
- ❖ All precautions must be taken to prevent fires at the site.

2. PRE-QUALIFICATION CRITERIA

- ❖ The following documents must be submitted together with the quotation. Provision of insufficient information will result in the quotation being disqualified:
- ❖ 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 the eradication of invasive alien plants.
- ❖ The program must be implemented by a natural scientist with expertise in botany, ecology, or biodiversity management specialist with valid **SACNASP/EAPASA** registration.

- ❖ 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).
- ❖ Proven track record on the work to be carried out in the past and provide references and contact details.
- ❖ Note: provision of insufficient information will result to the quotation being disqualified

3. INFORMATION TO BE OBTAINED ON SITE

- ❖ It is an express condition that all tenderers will attend the compulsory site inspection to 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, any limitations or restrictions that may be imposed by Transnet National Ports Authority, local or other authorities.
- ❖ In general, to ensure familiarity with all matters that may influence or affect the contract as that shall be deemed to have been allowed in his tender for any additional costs involved.

4. 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 brings all employees to be involved in the project for safety induction at least one week prior to the date work is scheduled to start and must submit a safety file via TNPA Project manager to TNPA SHE department for review and approval prior to commencement of any works.

5. WASTE MANAGEMENT

- ❖ All waste generated during the course of the project must be collected in waste receptacle and disposed accordingly (the awarded contractor)
- ❖ 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 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.

6. 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 Manager.

7. TIME OF DELIVERY

- ❖ The service provider must note that time is of the essence in the contract and that successful service provider will be required to complete by no later than the agreed date.
- ❖ 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.*

8. 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.
- ❖ 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.
 - The contractor must comply with all TNPA, Port of East London Security requirements while working in the Port.

Map of the Management Unit Compartments in land under the control of the Port of East London

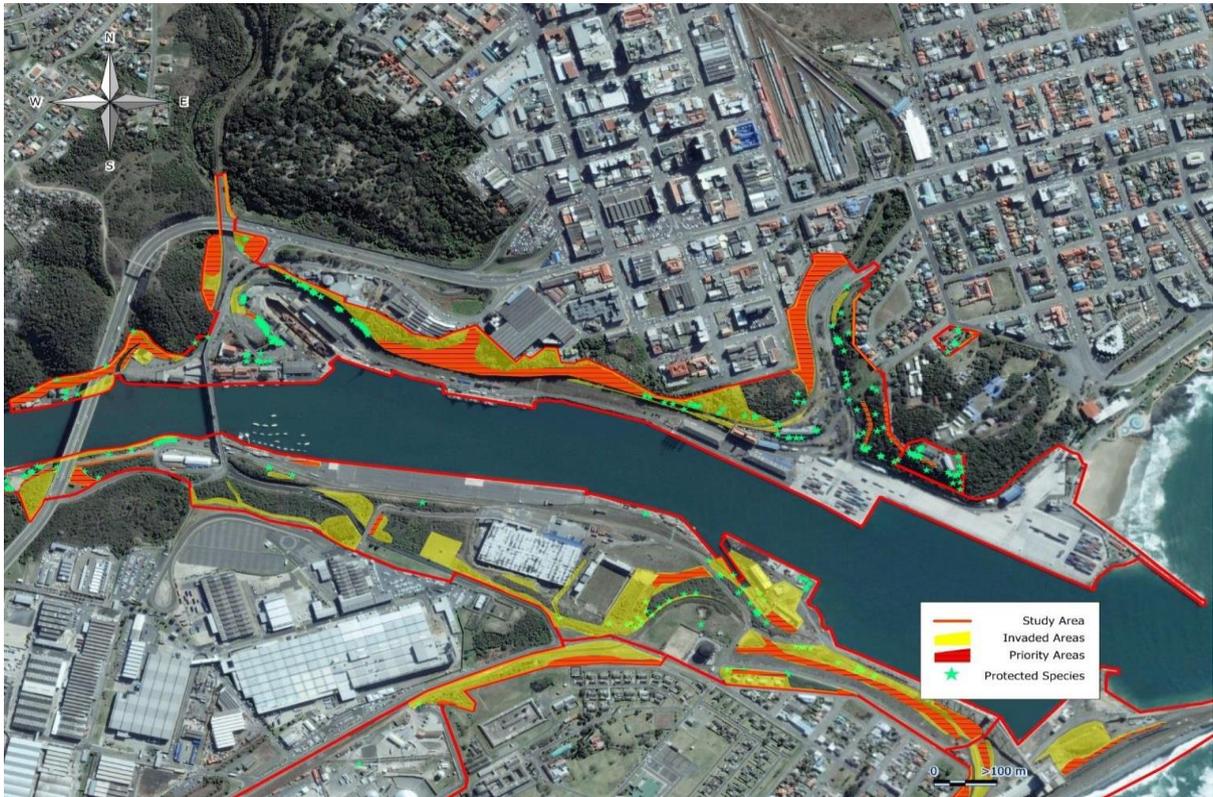


Figure 2: Areas to be cleared in the Port of East London

9. The Listed Invasive Species in Management Unit Compartment

Table 1:

Species name	Common name	NEMBA Category	Prioritization (/10)	Risk of Invasion
<i>Acacia cyclops</i>	Rooikrans	2	Low	Low
<i>Acacia dealbata</i>	Silver wattle	2	Low	Low
<i>Acacia longifolia</i>	Long leaved wattle	1	Medium	Low
<i>Acacia mearnsii</i>	Blackwattle	2	Low	Medium
<i>Acacia saligna</i>	Port Jackson	2	Medium	Low
<i>Agava Sisalana</i>	Sisal	2	Medium	Low
<i>Agave americana</i>	American agave	2	Medium	Low
<i>Anredera cordifolia</i>	Madeira vine	1	High	Low
<i>Argemone mexicana</i>	Yellow poppies	1	Medium	Low
<i>Argemone ochroleuca</i>	White poppies	1	Low	Low
<i>Arundo donax</i>	Giant reed	1	Medium	Low
<i>Atriplex lindleyi</i>	Saltbush	3	Low	Low
<i>Caesalpinia decapetala</i>	Mysore thorn	1	Low	Low
<i>Callistemon rigidus</i>	Stiff-leaved bottlebrush	3	Low	Low
<i>Canna indica</i>	Indian shot	1	Medium	Low
<i>Cardiospermum grandiflorum</i>	Balloon vine	1	Medium	Low
<i>Cereus jamacaru</i>	Queen of the night	1	Low	Low
<i>Cestrum laevigatum</i>	Inkberry	1	High	High
<i>Cirsium vulgare</i>	Scotch thistle	1	High	Low
<i>Convolvulus arvensis</i>	Field bindweed	1	Low	Low
<i>Cortaderia selloana</i>	Pampas grass	1	Low	Low
<i>Datura ferox</i>	Large thorn apple	1	Medium	Low
<i>Datura innoxia</i>	Downy thorn apple	1	Medium	Low
<i>Eucalyptus camaldulensis</i>	Red river gum	2	Low	Low
<i>Eucalyptus diversicolor</i>	Karri	2	Medium	Low
<i>Grevillea robusta</i>	Australian silky oak	3	Low	Low
<i>Hedera helix</i>	English ivy	3	Low	Low
<i>Ipomoea indica</i>	Morning glories	3	Medium	Low
<i>Lantana camara</i>	Lantana	1	High	Low
<i>Lepidum draba</i>	Cardaria	1	Low	Low
<i>Leptospermum leavigatum</i>	Australian myrtle	1	Low	Low
<i>Melia azedarach</i>	Syringa	3	Medium	Low
<i>Nicotiana glauca</i>	Wild tobacco	1	Low	Low
<i>Opuntia ficus-idica</i>	Sweet prickly pear	1	Low	Low
<i>Opuntia lindheimeri</i>	Small rounded prickly pear	1	Low	Low
<i>Opuntia monacantha</i>	Drooping prickly	1	Low	Low

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	pear			
<i>Passiflora caerulea</i>	Blue passionflower	1	Medium	Low
<i>Pennisetum clandestinum</i>	Kikuyu grass	2	High	Low
<i>Pennisetum purpureum</i>	Elephant grass	2	Low	Low
<i>Pennisetum setaceum</i>	Fountain grass (feathertop)	1	Low	Low
<i>Phytolacca dioica</i>	Belhambra	3	Low	Low
<i>Psidium guajava</i>	Guava	2	Medium	Low
<i>Qeucus robur</i>	English oak	3	Low	Low
<i>Ricinus communis</i>	Castor-oil plant	2	Medium	Low
<i>Rubus spp.</i>	Bramble	1	Low	Low
<i>Scheffera actinophylla</i>	Queensland umbrella tree	3	Low	Low
<i>Senna corymbosa</i>	N/A	3	Low	Low
<i>Senna didymobotrya</i>	Peanut butter cassia	3	Medium	Low
<i>Senna multiglandulosa</i>	N/A	3	Low	Low
<i>Sesbania punicea</i>	Red Sesbania	1	Low	Low
<i>Solanum mauritianum</i>	Bugweed	1	Medium	Low
<i>Solanum sisymbriifolium</i>	Dense thorned bitter apple	1	Low	Low
<i>Thevetia peruviana</i>	Yellow oleander	1	Low	Low
<i>Xanthium spinosum</i>	Spiny cocklebur	1	1	Low
<i>Xanthium strumarium</i>	Large Cocklebur	1	2	Low

Signed: 

Phelewe Mbuqe (SHEQ Manager- TNPA Port of East London)

Date: 01/10/2025