



## CHEVRON AUSTRALIA

Operations

**TITLE:** Thevenard Island Retirement Project: Rehabilitation of Thevenard Island (U-45962)

**DESCRIPTION:** Chevron Australia is seeking to understand industry capability and capacity from experienced service providers to support the rehabilitation of the Chevron Thevenard Island site in the Pilbara region (Western Australia). The 33.4 hectare Chevron lease on Thevenard Island lies within Department of Biodiversity, Conservation and Attractions (DBCA) "other than A Class" Nature Reserve. Thevenard Island Retirement Project aims to restore the lease area to a condition similar to and compatible with the adjacent environment.

Chevron is seeking to understand the technical expertise, capability and demonstrated track record in nursery management including:

- the germination, propagation and hardening of native plants indigenous to the site (or comparable species from a similar climatic region).
- provision of required plants across the range of 15 species, to meet the annual planting schedule for a nominal period of four to five years.
- accredited and compliant with the Nursery Industry Accreditation Scheme Australia (NIASA) and all relevant Australian Standards, as determined by Chevron.
- engagement with a cross section of local Onslow stakeholders including the local Aboriginal communities, greater Onslow community and Chevron Aboriginal Sea Ranger program.
- Thevenard Island is subject to a Quarantine Management Plan and all materials supplied must be certified to be free of soil-borne pathogens, invertebrates, non-endemic flora and other contaminants.

A description of the work scopes and *estimated* quantities is provided below. Expressions of interest will be considered for the full scope of work, or Part A or Part B only. Subject to the submissions received Chevron will evaluate and further determine which scope is our preferred option.

### Scope of Work

#### **Scope A – Supply of Plants for Rehabilitation Project**

Chevron is seeking suppliers with an existing nursery facility to meet the capacity requirements detailed below.

- Maximum of 123,000 seedlings are required over a three-year period, with demand peaking at approx. 90,000 plants per annum in year 3.
- Additional replacement seedlings will be required to address planting gaps, from years 4-5.

- Plants will be grown from collected endemic seed and cuttings harvested and provided by Chevron, or Chevron nominated representative(s). *A list of the seedlings required is provided below in Table -1.*
- Hardened tubestock must be grown according to Company-supplied Species Propagation Plans (SPPs) and supplied to Chevron in 140 - 150mm tubes, inclusive of all micro and macro-nutrients, water retentive media and other consumables to facilitate direct planting via a Pottiputki™ or similar seedling hand planting device.
- Supplier / associated suppliers must be accredited and compliant with the Nursery Industry Accreditation Scheme Australia (NIASA) and all relevant Australian Standards, as determined by Chevron.

Table -1: Anticipated number of seedlings required per species and rehabilitation year.

Note: Excludes additional seedlings required to cover planting gaps

| Species  | Planting Year |               |               | Total          |
|--|---------------|---------------|---------------|----------------|
|  | Year 1        | Year 2        | Year 3        |                |
| <b>Coastal Domain</b>                          |               |               |               |                |
| <i>Acacia coriacea</i>                         | 0             | 174           | 76            | 250            |
| <i>Carpobrotus</i> sp. Thevenard Island        | 0             | 348           | 152           | 500            |
| <i>Eulalia aurea</i>                           | 0             | 3,483         | 1,517         | 5,000          |
| <i>Ipomoea pes-caprae</i>                      | 0             | 3,483         | 1,517         | 5,000          |
| <i>Olearia</i> sp. Kennedy Range (G. Byrne 66) | 0             | 348           | 152           | 500            |
| <i>Sarcostemma viminale</i>                    | 0             | 523           | 227           | 750            |
| <i>Scaevola crassifolia</i>                    | 0             | 348           | 152           | 500            |
| <i>Scaevola cunninghamii</i>                   | 0             | 348           | 152           | 500            |
| <i>Spinifex longifolius</i>                    | 0             | 3,483         | 1,517         | 5,000          |
| <i>Sporobolus virginicus</i>                   | 0             | 3,483         | 1,517         | 5,000          |
| Total for Coastal Domain                       | 0             | 16,024        | 6,976         | 23,000         |
| <b>Inland Domain</b>                           |               |               |               |                |
| <i>Acacia coriacea</i>                         | 474           | 211           | 3,315         | 4,000          |
| <i>Acacia sclerosperma</i>                     | 355           | 158           | 2,487         | 3,000          |
| <i>Carpobrotus</i> sp. Thevenard Island        | 355           | 158           | 2,487         | 3,000          |
| <i>Eulalia aurea</i>                           | 1,777         | 790           | 12,433        | 15,000         |
| <i>Olearia</i> sp. Kennedy Range (G. Byrne 66) | 592           | 263           | 4,144         | 5,000          |
| <i>Rhagodia preissii</i> subsp. <i>obovata</i> | 592           | 263           | 4,144         | 5,000          |
| <i>Sarcostemma viminale</i>                    | 1,777         | 790           | 12,433        | 15,000         |
| <i>Scaevola crassifolia</i>                    | 1,777         | 790           | 12,433        | 15,000         |
| <i>Scaevola cunninghamii</i>                   | 2,370         | 1,053         | 16,577        | 20,000         |
| <i>Scaevola spinescens</i>                     | 1,185         | 527           | 8,289         | 10,000         |
| <i>Triodia epactia</i>                         | 355           | 158           | 2,487         | 3,000          |
| <i>Zygophyllum aurantiacum</i>                 | 237           | 105           | 1,658         | 2,000          |
| Total for Inland Domain                        | 11,848        | 5,266         | 82,886        | 100,000        |
| <b>Total for Both Domains</b>                  | <b>11,848</b> | <b>21,290</b> | <b>89,862</b> | <b>123,000</b> |

## Scope B – Nursery Design and Construction

Chevron is seeking innovative solutions from experienced service providers for the construction of a new nursery facility in Onslow (or other suitable location), as detailed in scope of work below.

In the event that construction of a nursery facility is required, it is anticipated that the scope may include (but not limited to):

1. Engineering and detail design services.
  2. Civil works :
    - a. Site preparation including crossovers, levelling (if required) and drainage;
    - b. Connection of services:
      - i. Power – for irrigation pumps, shed lighting, A/C
      - ii. Water - for irrigation, peak volume 30-50 KL/day (may be potable water and/or treated wastewater)
    - c. Concrete footings for shade houses, shade structures and shed
    - d. Concrete washdown area for shed
  3. Surveying:
    - a. Provision all surveying services required to establish and to maintain sufficient local benchmarks to set out the Works, maintain survey control during the execution of the Works and to carry out as-built surveys of the Works
  4. Construction:
    - a. Supply and installation of nursery shade house(s) for seed germination and plant propagation, including:
      - i. Capacity for 100 000 x 50 mm tubestock annually
      - ii. Supply and installation of work benches
      - iii. Supply and installation of blue metal gravel surface/weed matting for drainage and weed control (or other as advised)
    - b. Nursery hardening area, including
      - i. Capacity for 100 000 x 150 mm pots annually
      - ii. Supply and installation of weed matting to hardening area
      - iii. Supply and installation of light shade structures for portion of hardening area
    - c. Design and installation of irrigation system
      - i. Sprinkler and misting systems; and/or
      - ii. Ebb and flow water recycling system; and/or
      - iii. RO system may be required
    - d. Shed/office area for chemical and tool storage, and temporary seedling refuge (if required) during cyclones.
    - e. Supply and installation of secure site fencing and access gates.
- Chevron has a preferred site in Onslow that would be available (subject to approvals) for nursery construction and operation, for the period of time sufficient to meet the rehabilitation project requirements.
  - Consideration may be given to proposals regarding the transfer of the site for on-going nursery operation by a third party at the conclusion of rehabilitation project.

- Chevron will consider use of an alternative site in another location.
- It is estimated a site with a total area of ~11 000 m<sup>2</sup> will be required.
- Innovative nursery design ideas are encouraged to minimize the site footprint or otherwise optimize operations and nursery throughput.
- As the site is in the Pilbara Region, all structures constructed for the nursery must be Cyclone Region D rated.

**CONTACT:** **Industry Capability Network of Western Australia –**  
**[www.icnwa.org.au/ContactUs.asp](http://www.icnwa.org.au/ContactUs.asp)**

**Please Note:**

**This is a request for specific expressions of interest. Vendors and contractors will be considered for prequalification and / or tender if suitably qualified against this package.**

**PROJECT URL:** <http://www.chevronaustralia.com>

**ATTACHMENT:** NA

**CLOSING DATE:** 30 June 2020