

**PART L05**  
**SUPPLY OF PLANT MATERIAL**

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**1. GENERAL**

- .1 This Part specifies the requirements for the supply of the plant material, which includes seed for plant propagation, tubestock, general nursery stock, aquatic plants, advanced trees and associated materials such as growing media.
- .2 The loading, caring, transportation and handling of plant material shall be carried out in accordance with the best horticultural practices in a manner not likely to cause damage or stress
- .3 The following documents are referenced in this Part:

National Parks and Wildlife Act, 1972

**2. LOCAL PROVENANCE**

- (a)
  - .1 The plant materials shall be obtained from local sources, with a general limit of 20 km radius around the project site. The Contractor shall supply written verification of the provenance of all plant materials from the supplier, including map and/or GPS co-ordinates for each species on the Seed/Plant Schedule provided by the Principal.
  - .2 Plant materials of other sources may only be used if the Contractor can demonstrate that local provenance material is not available, in which case it shall be from the nearest source practicable. The use of non-local provenance material shall be subject to prior approval on a species by species basis.

**3. PERMITS**

- .1 The collection of native plant materials (seed, fruit, rhizome, cutting material, tuber and bulb) is controlled under Section 49 of the *National Parks and Wildlife Act, 1972*, and the propagule collector engaged by the Contractor shall obtain a valid permit for collection.
- .2 A permit from the Minister for Environment and Conservation is required to collect native plant materials from Forest Reserves, National Parks and Wildlife Reserves, Crown Land and any other land reserved for, or dedicated to public purposes, such as roadsides and local council reserves.
- .3 Written approval from the management authority responsible for the land shall also be obtained prior to collection of native plant materials.
- .4 Other conditions may be imposed which limit the amount of native plant materials to be collected, the area within which native plant materials can be collected or the species from which native plant materials may be collected.

**4. SUPPLY OF PLANT MATERIAL BY THE PRINCIPAL**

- .1 Prior to taking delivery of the plant material, the Contractor shall inspect the stock in conjunction with the Principal at the Nursery to mutually agree to the acceptability of the stock and shall issue the Principal with a receipt for the acceptable plants. Two working days notice shall be provided prior to undertaking inspection.
  - (a)
- .2 In the event that the Principal delays the Contractor's progress at the project site, the Principal will pay any holding fees due to the Plant Supplier.
- .3 The Principal is responsible for:

Inspecting the plants to ensure compliance with the plant supply specification; and

Liaison with the Nursery to co-ordinate availability of the plants to satisfy the program of works.

.4 The Contractor is responsible for:

- Giving the Principal and Nursery two working days' notice prior to collecting the plants;
- Liaison with the Nursery to co-ordinate collection of the plants to satisfy the program of works;
- and
- Collection and delivery of plants to site.

.5) A joint inspection of plants between the Principal and the Contractor at the Nursery prior to collection shall constitute a **HOLD POINT**.

5. <sup>(a)</sup>SUPPLY OF PLANT MATERIAL BY THE CONTRACTOR  
<sub>(b)</sub>

.(b) The Contractor shall supply and deliver the plant material specified on the Drawings. The Contractor shall provide 3 working days notice to the Principal prior to taking delivery. Where plants are to be picked up from a nursery, the Contractor shall allow for a joint inspection to take place at the nursery. Any nursery(s) producing the plant material shall be certified free of disease or pathogens (in particular Phytophthora cinnamomi).

.2 Plant material shall conform to the following:

**Tubestock and Nursery Stock:** Form and habit shall be 'true to type' of the species;  
The root system shall be sufficiently developed to support growth and shall extend throughout the container but shall not be "root bound".

- (a) Free from pests and diseases and shall show no evidence of having been effected by pest and disease infestations;  
Not forced grown; and  
Shall be fully 'hardened off' for 4 weeks prior to collection.

- (b) **Advanced Trees:** Tree form and habit shall be 'true to type' of the species and shall be similar in size, shape and habit at the time of delivery;  
Trees shall be healthy and vigorous with a root system that has sufficiently developed laterals and fine fibrous roots throughout the root ball to support growth and to hold it firmly together, but shall not be "root bound";

- (c) Each tree shall be symmetrical, well branched, well proportioned with a well developed top, and shall have a single clear straight trunk. The apical bud of the main leader shall be intact; and  
The correct orientation i.e. northerly aspect, of the tree must be identified in the nursery by a permanent peg embedded in the root ball 150 mm north of the centre of the stem or a red dot marked on the stem of the tree.

**Growing Media:** Sterilised and free from pests, diseases and weeds;

- (d) Capable of holding water and nutrients available for the plant;
- Contain sufficient balanced nutrients to maintain healthy growth;
- Capable of providing physical support for the root system of the developing plant; and  
When combined with the root system, forms a cohesive unit so as to remain intact when removed from the container.

**Tubestock and General Nursery Stock Containers and Plant Size:** Plant containers and plant sizes (measured from the soil surface to the tip of the main leader shall comply with Table 5.2.1.

Table 5.2.1: Container Requirements		
CONTAINER type	CONTAINER SIZE	PLANT HEIGHT
i. Tubestock	150 x 50 x 50 mm	100 – 200 mm (unless a prostrate plant)
ii. General Nursery Stock	150 mm – 20 litres	200 mm – 1.5 m (unless a prostrate plant)
iii. Aquatic rubber-lined baskets	700 x 700 mm	100 – 300 mm
iv. Aquatic Flora-edge strip	500 x 50 mm	100 – 300 mm
v. Viro-Cells	65 x 25 x 25 mm	50 – 100 mm
vi. Viro-Tubes (Hiko)	80 x 50 x 50 mm	75 – 150 mm

**Advanced Tree Containers and Sizes:** Advanced tree container size shall vary from 25 – 250 litres and tree size shall vary from 1.5 m – 6 m.

**The Contractor shall use the following supply methods:**

- .1 Containers
- .2 Ball and Burlapped
- .3 Root Control Bags

Table 5.2.2 outlines the generally minimum acceptable calliper in relation to height for advanced trees:

(e)

(f)

<b>HEIGHT (m)</b>	<b>MINIMUM CALLIPER AT 300 mm</b>	<b>MINIMUM CALLIPER AT 1000 mm</b>
1.5	30	24
2.0	40	32
2.5	45	36
3.0	50	40
3.5	55	44
4.0	60	48
4.5	70	56
5.0	80	64
5.5	90	72
6.0	100	80

#### **Batching and Labelling**

(g)

Plant material shall be labelled by botanical nomenclature and assembled into batches for ease of handling. Where a batch consists of only one species, one identification label shall be provided for the batch. If different species are packed within a batch, then individual units shall be labelled.

#### **6. HOLD POINTS**

- .1 The following is a summary of Hold Points referenced in this Part:

<b>CLAUSE REF.</b>	<b>HOLD POINT</b>	<b>RESPONSE TIME</b>
4	Joint inspection of plants.	1 working days