2. Specification

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Idless Nursery – Supply and Installation of Glass Houses

**HORTICULTURAL**

**NURSERY,**

**IDLESS,**

**TRURO**

Truro City Council

**Overview**

Truro City Council is issuing an invitation to tender (ITT) to providers of high quality horticultural Glasshouses for the supply and installation of two Greenhouses situated at their new nursery site in Idless, Truro.

The proposed works are to assist in the relocation of a commercial horticultural nursery facility to Idless Woods. Works will include the supply and installation of frame and glazing suitable to with stand exposure to extreme weather conditions due to the exposed location within Cornwall. The design will also incorporate necessary ventilation requirement for each greenhouse. An option to incorporate automatic openings for ventilation will be considered. Materials supplied and installed are to be of a high horticultural nursery quality. Consideration will be given to second hand products as long as they fulfil the specification requirements identified within this document.

An appropriate base is to be specified by the successful contractor and provided to Truro City Council, this element of work is anticipated to be undertaken by others ahead of the supply and installation of glass houses, although costs for this work will be considered as an additional item that may or may not be incorporated with the works.

Location of the glass houses is identified in the below plan (glass houses highlighted in green).

Diagram

Description automatically generated

**Outline specification**

**Size requirements**

* 1 No. glass house measuring 8m wide and 21m long
* 1 No. glass house measuring 5m wide and 9m long (Prop House)

*Please note that the above are desired sizes to meet Truro City Council’s space requirement for growing, similar alternative sizes may be considered.*

1. **Base Requirements:**

Include to provide a detailed specification to identify the necessary groundworks and reinforced concrete raft slab requirements (size and specification) for each greenhouse.

Glasshouse supplier may submit a separate price for groundworks and construction of concrete base. Construction works relating to enabling groundworks and reinforced concrete base will not form part of the tender evaluation.

1. **Frame requirements:**

* Mill finish aluminium or hot dipped galvanised steel construction with full glass sides.
* braced single span structure
* Apex profile roof system.
* Structural design to be suitable to withstand severe exposure rated for wind speed due to the current site location.

1. **Glazing Requirements:**

* All glazing to be minimum of 4mm toughened glass.
* Where possible to include a 300mm impact resistant kick panel to be installed at base.

1. **Ventilation Requirements:**

* Adequate louvered side ventilation relative to size of each greenhouse.
* Suitable number of roof openings to be provided for ventilation requirements of each greenhouse.
* Automatic opening will be considered for ventilation (to be priced as a separate schedule of rate). This will not form part of the tender evaluation.

1. **Ancillary Works:**

* Include to supply and install suitable rainwater goods including gutters and rainwater downpipes.

**Schedule of Rates**

It is the intention that Truro City Council will separately provide the following, however could you please provide costs for the following.:

* Groundworks and installation of reinforced concrete raft slab base.
  + Glasshouse supplier may submit a separate price for groundworks and concrete base work.
* Heating system
* Staging and shelving / live shelving
* Automatic Shading
* Irrigation and misting system
* Automatic Ventilation