

SCOPE BRIEF

PCD Reference: PCD-CS-570-TMBS-TB-5114010

Seed Conservation Center Construction Services

The Environment Agency – Abu Dhabi (EAD) plans to construct, establish and operate a Seed Conservation Center a medium-term periods of 5-10 years seed storage facility In al Dhafra region to play a major role in native flora conservation and degraded habitat/ restoration which will be the first of its kind to cover seed preservation periods for medium-term. The center will contain the necessary equipment and machinery for extracting, drying, cleaning, and packing the seeds. The project will contribute to following:

- Conservation of plant diversity
- Restoration of degraded habitats
- Documentation and conservation of ethno botanical heritage
- Building the national capacity in plant conservation and habitat restoration

This project will ensure the medium-term conservation of the related flora which will compliment EAD current project (Abu Dhabi Genetic Resource Center). It will involve drying, cold storing of plant species using several drying methods (natural and artificial) then to be stored in bulk quantities in specially designed cold rooms. The expected outcomes from the actions of the center are to achieve the following objectives:

1. A complete record of the floral of the Abu Dhabi/UAE, including the threat status of every taxon.
2. The entire native flora of the Abu Dhabi collected and stored to international standards and made available for use in research, habitat restoration and landscaping.
3. Seed production facilities established to provide resources to support landscape-scale restoration projects across the UAE.
4. Integrated conservation management of Abu Dhabi threatened plant species achieved through in-situ measures, seed storing and re-introduction. Important plant areas identified to contribute to the conservation efforts.
5. Changes in landscaping and horticulture in Abu Dhabi brought about by the introduction of native plants and quantifiable reductions in their irrigation requirement.

Therefore, the Environment Agency Abu Dhabi (EAD) is interested in collaborating with a **single Organization** that will provide comprehensive construction services having a qualified and comprehensive team of Engineers, Machines, Tools and Construction Workers to construct the Seed Conservation Center.

The project will be located in Al Dhafra Region, Madinat Zayed. The project scope (which is defined in more detail in the Tendering Package) includes comprehensive construction services of a Seed Conservation Center, the main components for the Seed Conservation Center facility include the following:

a. Main building 980 sqm

- 4 chilled cold storage rooms (+5°C), with a total area of 206 square meters.
- 2 rooms for equipment and devices for cleaning, drying, and packing seeds, with a total area of 73 square meters.
- 2 laboratories with a total area of 68 square meters.

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- 1 administrative office, workstations, meeting room, service rooms and facilities with an area of 233 square meters.
- Room with supporting facilities for the worker with an area of 55 square meters.
- Electrical room, telecommunication room, and BMS room with an area of 32 square meters.

B. Outdoor Shaded Area for seed drying 760 sqm

- Seed sorting pallets
- Drying pads for fruits and seeds
- Screening and screening platforms

C. Supporting facilities

- Water storage and treatment unit.
- Road and Parking area
- Loading area
- Landscaping
- Boundary Wall
- Pump Room
- Electrical room

D. Plant Nursery 3130 sqm

- Nursery area.
- Nursery Store.

**The above facility component sizes (Sq. meters) are approximate and are for guidance purposes only. You may find the exact component sizes in the actual design packages.*