

**1. MOTIVATION OF THIS ACQUISITION**

The project aims to improve the indoor environmental quality of the DPWI office space by reducing harmful toxic gases, regulating humidity, and natural air purification. The plants chosen will contribute to decreasing the number of impurities in the atmosphere such as benzene and nitrogen dioxide. In addition, they help to lower the level of interior dust and in the sweltering hot summer, they will contribute to interior cooling. The introduction of natural and indigenous plants within DPWI's office space is crucial for the improvement of living/working space environmental quality and improving productivity of the end user through the intrinsic and health benefits associated with gardens.

**2. SPECIFICATION OF GOODS / SERVICE REQUIRED**

- A skeletal framework that is strung with multiple parts that house the plants (floral, herbal) that make up the garden.
- Structural load report that determines the maximum weight that a wall can support without causing stress or structural damage. The equivalent wall pressure, maximum bending movement, and equivalent uniform wall pressure are all provided in this structural report.
- Manual/guidelines on the maintenance or upkeep of the vertical and horizontal gardens are provided to designated DPWI personnel.
- Design an indoor, north-facing natural plant garden that is healthy and functional. Indigenous plants, potent air purifiers, and edible plants must all be included in the garden.
- Planters must be provided with a custom mold in the exact size, shape, and dimensions of the final product to meet the design requirements.
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**3. ITEM DETAILS**

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