

**SPECIFICATION FOR THE APPOINTMENT OF A CONSULTING ENGINEERING COMPANY FOR THE PROVISION OF PROFESSIONAL ENGINEERING SERVICES TO PROVIDE TECHNICAL ADVICE ON GLASS HOUSES / GREENHOUSES / RAINOUT SHELTER / INVITRO ACCLIMATIZATION COMPARTMENT REFURBISHMENT / CONSTRUCTION AT AGRICULTURAL RESEARCH COUNCIL (VIMP)**

**Compulsory Technical Requirements:**

**1. Consulting Engineer To Provide Technical Advice and Monitoring during Refurbishment and Construction of 6 Glasshouse Complexes (AVG 150-200m2)**

- i. Energy efficient environment conscious modern cooling and heating technology
- ii. Roof structure types for energy efficiency
- iii. Remote computerized control systems / BMS
- iv. Water harvesting, water storage, water recirculation and sanitation
- v. Solar energy for lighting
- vi. Compile a detailed specification of the works and the bill of quantities of remedial works to be done.
- vii. Cost estimate and project duration for remedial works.

**2. Compulsory Evaluation Requirements**

- i. Three contactable reference letters of projects completed of greenhouse construction consultancies done previously (completion letters should be on the letterhead of company).
- ii. All Professionals Should Be Registered With Their Respective Professional Bodies
  - **Engineering Council of South Africa (ECSA) Certificate**