**RFQ for Helium Leak Detector**

**1. Introduction**

**Renewable Energy Systems Limited**, is seeking quotations from qualified suppliers for the procurement of a Helium Leak Detector compliant with **MIL-STD-202, Method 112E, Procedure IIIa**. This equipment is critical for defense-related applications and must meet the technical and operational requirements detailed below.

**2. Scope of Supply**

The scope includes the supply, installation, and commissioning of a **Helium Leak Detector and Helium Bombing Chamber** with the following specifications:

**3. Technical Requirements**

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| **Parameter** | **Requirement** |
| **Leak Detection Sensitivity** | Minimum: **2.0 × 10⁻¹¹ atm·cc/s** |
| **Component Accommodation** | Larger component: **135mm x 285mm**  Smaller component: **32mm x 60mm (in suitable quantities)** |
| **Helium Pressurization** | Pressurized with the helium at min. 1atm for atleast 60 minutes. |
| **Testing Method** | Must support helium mass spectrometry for fine leak detection |
| **Internal Helium Leak Test** | Explicit internal helium leak testing capability; please specify sensitivity |
| **Leak Rate Display** | Must display range in **atm·cc/s** |
| **Time to Operation** | ≤110 seconds |
| **Inlet Pressure Max** | Up to **25 mbar (0.025 atm)** or higher |
| **Ambient Temperature** | 5°C to 40°C (or specified range if different) |
| **Response Time** | ≤1 second |
| **Detectable Gases** | Helium |
| **Interfaces** | RS232 and RS485 mandatory, USB optional |
| **Warranty** | Minimum 1-year warranty |
| **Service Centers** | Specify your service centers |
| **Additional Features** | Auto-calibration, anti-interference, and user-friendly interface preferred |
| **Input Supply** | Specify |
| **Stabilizer Requirement** | Specify |

**4. Commercial Requirements**

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| **Parameter** | **Requirement** |
| **Quotation Validity** | Minimum **90 days** |
| **Delivery Time** | Specify lead time |
| **Pricing Terms** | Provide EXW, FOB, and CIF pricing (as applicable) |
| **Payment Terms** | To be negotiated |
| **Installation and Training** | Specify installation and operator training charges if applicable |
| **After-Sales Support** | Provide details of service support, spares availability, and annual maintenance contracts |

**5. Documentation Requirements**

* Detailed technical specifications and compliance matrix.
* Datasheet and user manual of the proposed equipment.
* Warranty and service terms.
* Manufacturer and country of origin.

**6. Submission Guidelines**

Please submit your quotations via email to **Designengineer.pranay@resindia.co.in** with the subject line:  
**“Quotation for Helium Leak Detector - RESL”**

* **Contact Person:** P. Pranay Kiran
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* **Email:** Designengineer.pranay@resindia.co.in

**7. Confidentiality Clause**

All quotations and related documents submitted in response to this RFQ will be treated as confidential and used solely for evaluation purposes.