NOTICE INVITING QUOTATION

Please submit duly signed technical and commercial bids separately in sealed envelopes for a **RF Generator (13.56 MHz, 1 kW) with matching network**. Your quotations should reach Dr. Ramesh Narayanan, Centre for Energy Studies, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi – 110016 latest by Oct. 11, 2013 by 5:00 p.m. (IST) by post/courier.

The minimum technical specifications desired for the **RF Generator (13.56 MHz, 1 kW) with matching network** are as follows:

1. **RF Generator (Qty: 1 [One])**
   - Output frequency : 13.56 MHz
   - Frequency stability : 0.005% of output frequency
   - Maximum output power : 1000W into 50 Ω load
   - Minimum output power : 10W into 50 Ω load
   - Load impedance : 50 Ω
   - RF connector : N type female
   - Regulation : 0.1% of full power
   - Harmonics : -50dBc at full power
   - Spurious Content : -60dBc max at full power
   - Pulsed mode : preferable
   - Pulse repetition frequency and duty cycle : frequency – 2 to 20 k Hz, duty cycle 5 to 90%
   - Cooling : air-cooled
   - Line voltage : single phase, 230 V, 50 Hz
   - Display : display forward and reflected power, mode etc.
   - Interlocks and limits : for reflected power, over temperature, current limit, DC overload, rf power limit etc.
   - Interface : RS232/Ethernet/profibus/etc.

2. **Matching Network (Qty: 1 [One])**
   - A compatible automatic matching network suitable for the RF generator.
   - A wide range of impedances (suggested range resistive 0.2-45 and reactive –j220-+j50) for use in plasma generation.

3. **Interconnecting Cables**
   - Between generator and matching network
   - Cable from matching network to load
   - Suitable rf connectors, power cables, RS-232 cables, etc.

**TERMS AND CONDITIONS**
- Kindly give your quote preferably on FOB basis.
- Quotation should be valid for at least 2 months from the date of issue
- Applicable taxes should be explicitly mentioned.
- **Comprehensive warranty** for three years or more shall be given preference.
- Specify other terms & conditions such as payments, delivery etc.
- Institute reserves the right to reject any quotations without assigning any reason thereof.