

CENTRE FOR BIOMEDICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY-DELHI
HAUZ KHAS, NEW DELHI-110 016.

Dated: 8.12.2011

Notice Inviting quotations

Sealed quotations in **separate envelops of technical and commercial bid kept in one sealed outer envelope are invited for purchase of RF ablation unit (13.56MHz Signal Generator)** as per specifications given below. Your sealed quotation should reach latest by 5 P.M. on 30. 12 .2011 to the Head, Centre for Biomedical Engineering, Indian Institute of Technology, Delhi (IIT Delhi), Hauz Khas, New Delhi-110016 attention Dr. Veena Koul. Your quotation should be super-scribed **“Quotation for purchase of RF ablation unit (13.56MHz Signal Generator).**

A) Technical Specifications for 13.56 MHz Signal Generator-

1. Frequency- 13.56MHz
2. Frequency Stability- ± 3 PPM
3. Peak Output Power- 1KW
4. Duty Cycle- up to 20%
5. Pulse Width- 100 μ sec
6. Output Power Selection- 1dB step (from 100W to 1KW)
7. Controls- System ON/OFF, RF power ON/OFF, RF output power selection, RF in INTERNAL/EXTERNAL
8. Display- 4 \times 40 LCD with control
Display Parameters- RF output power level, RF in mode display, PA chasis temperature, Amplifiers currents
9. Primary Input Power- 230VAC, Single phase

B) Accessories-

1. Cavity applicator. The electromagnetic fields from the signal generator should be coupled to an applicator/cavity (where the samples size - 96 well culture plate to be exposed) with a suitable arrangement of transmitting

(Tx) and receiving (Rx) heads. The temperature inside the applicator should be uniform and should reach a maximum of 70deg celcius The spacing between Tx and Rx heads should be about 10cm.

2. It should have provision to hold the probes.,
3. Field measurement probes 13.56MHZ,
4. Temperature sensor, thermister based with an accuracy of +1degreeCelsius, from ambient to 70 degree celsius

Optional

UPS 1KVA offline with half an hr back up

Terms & Conditions:

1. Quotations should be placed in **separate envelops of technical and commercial bid, kept in sealed outer envelope.**
2. The quotations must have validity of at least three months.
3. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India (CIF, New Delhi).
4. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
5. Detailed Brochures should accompany the offer.
6. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
7. warranty must be provided
8. Payment will be through LC/DD/TT.
9. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
10. Training should be provided.
11. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.
12. Details of User List with phone number and email ID should be provided.