



DEPARTMENT OF ENGINEERING DESIGN
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
IIT POST, CHENNAI - 600 036
Phone: +91-44-2257 4740, Fax: +91-44-2257 4732

No: ED/003/2013-14/SPL

Date: September 13, 2013
Due Date: October 28 2013

Dear Sir,

1. Quotations are invited in duplicate for the various items shown below/overleaf/enclosed list.
2. The quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach her on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes leviable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment: Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.
12. Terms and conditions related to standard warranty and extended 2 year warranty including technical support and after sales services should be clearly mentioned in the quotation.
13. Proprietary information certificate for technology should be provided with the quotation.
14. Instrument calibration certificate should be provided with the quotation.



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15. Details of the number of similar equipments delivered to other IITs, IISc and other reputed R&D laboratories in India during the past 10 years should be provided with contact information for verification.
16. Expertise of the firm in manufacturing and sales of the requested equipment should be provided with the quotation.
17. Last date for submitting quotation is **October 28, 2013**. Quotations should be received on or before 4 pm.

Technical specifications of the equipment (probes, daq unit, calibration) are listed below:

1) Miniature Broadband Electric Field probes

Frequency range: 30MHz till 6 GHz

Probe diameter: **5mm and ≤ 3 mm (two probes)**

Electric field measurement of all three components

Dynamic range: 0.01 W/kg to 100 W/kg. Linearity +/- 0.2 dB (in liquids)

Isotropy: <0.25 dB

Compliance to IEEE, IEC standards

Sensitivity to field measurement in air

Probe dimensions (LXWxH)

Probe head/connectors with cabling for interface to data acquisition unit

2) Data acquisition and signal conditioning electronics

Real time acquisition of all three electric field components

Signal conditioning

Analog to digital converter resolution for the 3 channels

Measurement of CW and modulation RF signals

Measurement speed (# readings/sec)

Type of computer interface for data logging (serial, USB, etc)

Cable/accessories to connect probe head to data acquisition unit

Physical Dimensions

3) Probe Calibration

Calibration at 900/1800 MHz in liquid

Calibration validity (number of years)

Kindly send the offer on or before 4:30 pm, October 28, 2013 by post to the below address.

Sincerely,

Dr. Kavitha Arunachalam

Assistant Professor

Department of Engineering Design

Indian Institute of Technology Madras

Chennai, Tamil Nadu 600036, India

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