

Dept. of Electrical Engineering

Indian Institute of Technology Delhi

8th January, 2013.

Sealed quotations are invited (**in two bids: technical, commercial sealed separately**) for supply of High Frequency AC/DC CURRENT Probe with accessories having the following specifications/ features:

The High Frequency AC/DC current probe must contain current probe along with suitable amplifier unit meeting the following specifications

Frequency Range	DC -to- 50 MHz
Rise Time	≤ 7 ns
High Current Sensitivity Range (10A/V range)	DC continuous: At least 50 A; RMS (Sine) : At least 35 A; Peak Pulse: 50 A
Low Current Sensitivity Range (5A/V range)	DC continuous: 25 A; RMS : 17.7 A; Peak Pulse: 50 A
DC accuracy	$\pm 3\%$ of Reading (Operating Temp. 0 to 50 deg. C.)
Lowest Measureable Current	5 mill Amp. (Scope set of 1 mV/div)
Insertion Impedance	0.035 ohm at 1.0 MHz, 0.5 ohm at 50 MHz
RMS Noise	≤ 1.25 mA (rms)
Signal Delay	Maximum of 30 ns
Probe jaw Size	At least 3.5 mm
Probe Cable length	1.5 meter
Power requirement for amplifier supply unit of the current probe	Voltage: 110 V to 230 V AC; Frequency: 50 Hz ~ 60 Hz; Power: 50 Watts(maximum)
Accessories	It should have suitable adopter and BNC cable arrangement so that the current measurement system can easily be connected to general purpose oscilloscope

Terms & Conditions: (i) Vendors need to quote the price of equipment on F.O.R/F.O.B basis, (ii) applicable taxes, (iii) Vendors have to supply the agency certificate and other essential documents, (iv) Warranty period, (v) quote delivery period, (vi) validity of quotation must be three months, (vii) LC terms must be specified clearly, (viii) **compliance sheet** and checklist of technical specifications must be supplied along with the quotation.

Complete technical information of the equipment should be supplied along with the quotation/ tender documents. Quotations with in-sufficient details of specifications, terms and conditions will not be considered. IIT Delhi reserves the right to reject any quotation or all without assigning any reason. Quotations (Technical and financial bids must be sealed in separate covers) in sealed cover should reach the undersign on or before **5.00 P.M of 31st January, 2013.**

Terms & Conditions:

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as "Technical Bid" and "Financial Bid". Both the sealed envelopes should be sent in a single sealed envelope, with clearly marked as "High Frequency AC/DC current probe with accessories". The quote should reach the following address on or before **31/01/2013 up to 5.00 P.M.**

Name: *Dr. M. Veerachary,*

Dept. of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI – 110 016

2. Please quote prices at F.O.R/F.O.B New Delhi, inclusive of installation charges.
3. Quote should be in Indian Rupees as well as US Dollars and to be valid for at least three months.
4. Attach all the technical literature of the above item.
5. A minimum of three years comprehensive onsite warranty, also include warranty for three years.
6. Mention if you can provide any technical support like training of IIT Delhi personnel at IIT Delhi or in your factory and providing a technical person for operation of the machine for the initial period of 2 years. Kindly mention about this in the technical bid.
7. If the quote is being submitted by the representative of the Principals/manufactures themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
8. The Institute reserves the rights to accept/reject any/all quotations without assigning any reasons thereof.
9. Complete set of manuals for the operation and servicing of equipment should be given. All circuit diagrams, other mechanical and electrical schematics must be provided to Main unit, sub systems and accessories.
10. Spare set- A complete set of spares and consumables should be supplied for three years of trouble free operation.
11. Delivery period 4-6 weeks on receipt of PO.
12. Clearly specify the installation requirements - such as space, power, frequency, environment (Temperature and humidity) etc.
13. If the items quoted are proprietary in nature, please enclose proprietary certificate from the principals stating "certified that ----- is a proprietary item of M/s. -- _____ and no other manufacture make these items".
14. If the bidder is Indian agent, the agency certificate should be enclosed.
15. Please produce compliance certificate for the specification.
16. Please ensure that the Indian agent has been enlisted with the Department of Expenditure, evidence may please be attached.

Compliance Sheet

Specification	Yes (or) No	If "YES" mention the range
Frequency Range		
Rise Time		
High Current Sensitivity Range (10A/V range)		
Low Current Sensitivity Range (5A/V range)		
DC accuracy		
Lowest Measureable Current		
Insertion Impedance		
RMS Noise		
Signal Delay		
Probe jaw Size		
Probe Cable length		
Power requirement for amplifier supply unit of the current probe		
Accessories		