

INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS NEW DELHI

Date: 23 April 2012

Notice Inviting Quotation

Quotations are invited for the purchase of 'High Voltage Power Supply Unit for plasma generation' for the Department of Textile Technology. Interested suppliers are required to submit their quotations as per the specifications given below. The sealed quotations are to be submitted in two Separate envelops:

- A- for Technical Quote (to submit design) &**  
**B- for Financial Quote**  
(For details, see Annexure I)

Both these envelops should be further enclosed in an outer envelop, which should also be sealed and addressed to, clearly mentioning on top right corner of the envelop "quotations for 'High Voltage Power Supply Unit for plasma generation'".

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The quotations should reach the above office by 5:00 PM of <sup>15</sup>May 2012. If needed the suppliers may be asked to make a technical presentation before the committee.

Institute reserves the right to accept or reject any of the offers without assigning any reasons.

'High Voltage Power Supply Unit for plasma generation' should have the following features:

Items	General Features	Specifications
1.	Type	High voltage power supply unit for plasma generation
2.	Model	Internationally known brand
3.	Dimensions of panel (appx.) in mm	Less than 550 × 260 × 600 mm (W × H × D)
4.	Dimensions of transformer (appx.) in mm	Less than 340 × 320 × 400 mm (W × H × D)

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5	<b>Input Voltage/frequency</b>	200-240 V (AC) and 50/60 HZ.
6.	<b>Plasma power output</b>	1 kW or more.
7.	<b>Frequency output</b>	Variable in the range of 10-150 KHZ or better
8.	<b>Output voltage</b>	Variable in the range of 0-20 KV or more
9.	<b>Wave form</b>	Sinusoidal
10.	<b>Control and display</b>	<ul style="list-style-type: none"> <li>The unit should have an integrated control panel with both touch screen and hand dial having following facilities.</li> </ul> <p>Control to vary</p> <p>(1) power in the steps of 10W</p> <p>(2)Voltage in steps of 0.1 KV</p> <p>(3) Frequency in steps of 100 HZ or better.</p> <p>(4) Facility to adjust pulse time in steps of 10 micro second to 10 sec or better.</p> <p>(5)Facility to adjust the operating time.</p>
11.	<b>Safety &amp;Design</b>	<ul style="list-style-type: none"> <li>Generator should have safety features conforming to international standard.</li> </ul>
12.	<b>Accessories</b>	<ul style="list-style-type: none"> <li>Accessories necessary to run the unit such as high voltage cables should be quoted with the unit.</li> </ul>
13.	<b>Quality</b>	<ul style="list-style-type: none"> <li>The quoted unit with above specifications should be in running condition for one year or more in a reputed research lab in India or abroad.</li> <li>At least three references with email addresses should be provided of users using</li> </ul>


  
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		machine with above configuration.
14.	<b>Warranty</b>	<ul style="list-style-type: none"> <li>• 1 year comprehensive after installation and quote payment terms for extended warranty.</li> </ul>
15.	<b>Options</b>	<ul style="list-style-type: none"> <li>• Mention separately all the possible options that may be purchased with the instrument.</li> </ul>

#### Annexure I

**Envelop A: Technical Quote:** The following details are to be enclosed (*Mention clearly on this envelop – Technical Quote*)

1. All quoted models must be compatible with Indian power supply: 220 Volts/50Hz for single phase and 440 V/50Hz for three phase supply.
2. Quotation should be directly from Original manufacturer or authorized sales agent.
3. Sole agency certificate (if applicable) and its validity from Foreign Principals (in case of foreign manufacturer).
4. **Proprietary certificate** (if applicable, for any component or instrument quoted).
5. Mention any optional equipment / accessory / spares recommended to enhance the capability and/ or utility of the equipment.
6. Indicate all installation requirements including platforms, gases and chillers, UPS, etc.
7. State service support for the equipment in India, specifically in and around Delhi.

**Envelop B: Financial Quote:** The following details are to be enclosed/ ensured. (*Mention clearly on this envelop – Financial Quote*)

1. Prices of the quoted model should be CIF Delhi inclusive of all taxes, delivery charges, installation and training charges; Please note that IIT Delhi is exempted from central excise and attracts concessional custom duty. Institute also provides institutional form for concessional VAT for interstate transactions.
2. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
3. Guarantee and warranty conditions must be clearly specified; exemptions if any must be clearly stated.
4. Validity of quotation must be 90 days.
5. Mode of payment for local suppliers is through cheque after successful delivery and installation of the above equipment and for imported equipment through LC.
6. For imported equipment. the address of the company in whose name the LC is to be opened should be stated.
7. Supplier must submit TIN number/ PAN number as applicable.
8. Institute reserves the right to order equipment with better quality over lower price and to accept or reject any or all the quotations without assigning reasons thereof.


