



Department of Mechanical Engineering  
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## **Request for Quotation**

**Enquiry No.: IITK/ME/BB/2013-**

**26 August 2013**

Last Date: 04.09.2013

Sub: Call for quotation for “8 Channel SMA Amplifier”

Sealed quotations are invited for purchase of 8 Channel SMA Amplifier.

### **Minimum Technical Specifications:**

1. Characteristic of each channel:
  - a. Mode of operation: Auto and Manual
  - b. Auto: Input of 0 to 10 V from dSPACE 1104 [Must be optically isolated inside]
  - c. Manual mode: 0 to 10 V using internal reference. Variation controlled by the user through 10K 10T pot.
  - d. Output: Load current of 0 to 1 Amp for the 0 to 10V input. The output load current must vary linearly with input voltage. Load current must be independent of the load.
  - e. Input termination: BNC
  - f. Output termination: Two connectors per channel
  - g. Maximum load per channel: 16 Ohms
  - h. Minimum load per channel: 0 Ohms
2. All the channels must be independently controllable
3. Display: Two 3 ½ digit large (14.2 mm) LED display for Input Voltage and Load Current
4. Display resolution: 10 mV and 1 mA for voltage and current respectively
5. Push button channel selection for display
6. Availability of 8 input voltages (scaled down to 0 to 5 V range) and 8 load currents (converted to voltage) for interfacing with DAQ
7. Input power: 230V, 50 Hz AC
8. Dimensions: Must be within 420mm x 300mm x 250mm
9. Weight: Must be less than 7 kg

We are looking forward to receive your quotations, addressed to the undersigned. The deadline for submission of quotations is 04 September, 2013 at 4:00 pm.

**Terms and Conditions:**

1. Quotations should have a validity of a minimum of 60 days.
2. Warranty should be mentioned.
3. Maximum educational discount, if any, should be offered.
4. Technical specification sheets, authorization certificate or proprietary certificate (if applicable) and any other relevant documentation should be included with the quotation.
5. Quotations are required in duplicate in a sealed envelope with enquiry number mentioned on the envelope (for Indian suppliers) and e-mail + postal quotations for companies from outside India.
6. The delivery period should be specifically stated.
7. The rate offered should show both F.O.B (specify city) in the country of origin and CIF (New Delhi).
8. The institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof.

Thanking You

Yours faithfully

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