

Date: 14.10.2013

## NOTICE INVITING QUOTATIONS FOR MASS FLOW CONTROLLER

### Technical Specifications

Sealed quotations are invited for the purchase of **Mass flow controller (Flow range 0-2000 SLPM)**. Interested parties are requested to submit the technical and financial bids in separate sealed envelopes. Mark the envelopes clearly as “Technical bid” and “Financial bid”. Both the sealed envelopes should be sent in a single envelope, clearly marked as “Quotations for Mass Flow Controller (2000 SLPM).” The technical specifications of the data acquisition system are as follows

**Flow Range:** 0-2000 SLPM

**Medium:** Air

**Maximum pressure:** 9.9 bar

**Output Display:** Mass flow rate, volumetric flow, temperature, pressure, Signal Digital mass flow, volumetric flow

**Accuracy:**  $\pm$  (0.8% of reading + 0.2 % of full scale)

**Repeatability:**  $\pm$  0.2% Full scale

**Operating Range:** 1% to 100% Full scale measurement and control

**Typical response time:** 100 Milliseconds (Adjustable)

**Operating temperature:** 10 to +50°Celsius

**Humidity Range:** 0 to 100% Non-Conditioning

**Input/output Signal Analog Mass Flow** 0-5 Vdc/0-5 Vdc

**System connector:** RS-232 Serial

**Power Supply:** 100-240 VAC to 24 VDC Power Supply- Global adapters included

**Pipe diameter of port:** G1 inch

### Important Requirements:

- Resistant to field effects such as vibrations.
- Calibration Certificate should be provided.

## **Terms and Conditions:**

- i. Vendors who have supplied such flow meters earlier should only quote and provide a list of academic institutions / industries along with full contact details where this product has been supplied by them.
- ii. The vendor should provide **technical and commercial bids in separate sealed envelopes** and each envelope should be clearly marked with words “**Technical Bid**” and “**Commercial Bid**”.
- iii. Quotations should preferably be submitted by manufacturer or their sole selling agents with an authorization certificate from their respective principles.
- iv. Minimum warranty period should be of **2 years**.
- v. IIT Delhi is exempted from excise duty and necessary certificate can be issued, if required.
- vi. IIT Delhi reserves the right to reject any or all quotations without assigning any reason.
- vii. The price quoted should be CIF, IIT Delhi including all taxes.
- viii. Send your techno- commercial offer to the following address so as to reach latest by 29<sup>th</sup> **October 2013 at 5pm**.

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**Note:** IIT, Delhi is an academic institute of national repute and Flow Controller will be used for academic and research purposes. Any special discount, if offered to academic institutes may also be mentioned in the offer.