

**Indian Institute of Technology Delhi**  
Department of Physics, Hauz Khas, New Delhi-110016 (India)

**NOTICE INVITING QUOTATION**

**Date: 19-09-2011**

<b>Due date: 05-10-2011</b>
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**NIQ Ref. No.: IITD/NRF/2011-12/MFC**

**Three Mass flow controllers (MFC) suitable for Argon (one), oxygen (one) and Ammonia (one) gases along with Four Channel Mass Flow Controller Power supply/Readout.**

**TECHNICAL SPECIFICATIONS for Mass Flow Controllers:**

1. Flow range: 0 – 500 SCCM
2. Maximum inlet pressure: 150 psig
3. Control range: 2% to 100% of F.S.
4. Accuracy:  $\pm 1$  % or better
5. Repeatability:  $\pm 0.2$ % of Reading or better
6. Resolution: 0.2% of F.S. or better
7. Operating range: 1% to 100 % full scale measure and control
8. Operating temperature range: 10°C to 45°C.
9. Valve: Normally closed
10. Input supply voltage: 220 Volts/50 Hz
11. Fittings: Swagelok 1/4" tube
12. Warm-up time:  $\leq 30$  min.
13. Required number of cables
14. Four channel mass flow controller power supply/readout
15. Seals: Viton or metal, whichever is appropriate.

**TERMS and CONDITIONS:**

1. The quotation, in sealed envelop marked as “Ref: **IITD/NRF/2011-12/MFC**” should reach the undersigned on or before **5 pm on 05-10-2011**.
2. The prices quoted must include **CIF New Delhi Airport** charges.
3. Technical and financial bids should be enclosed in separate sealed envelopes and clearly marked.
4. Institute reserves the right to accept/ reject all/ any quotation without assigning any reason thereof.
5. The delivery period should be clearly indicated in the quotation.
6. Submitted quotations should clearly mention the validity period, preferably for a minimum of **03 months**.
7. Incomplete and conditional submitted tenders would be summarily rejected.
8. The mode of payment should be clearly indicated. The preferred mode of payment is through irrevocable LC.
9. Necessary certificate should be enclosed by the vendor in case of proprietary nature of the quoted items.

10. In case the quotation is being submitted by authorized agent of the principal manufacturing company, the AUTHORISED SALES AGENCYSHIP certificate from the PRINCIPALS should be furnished along with the quotation. Quotations without this authorization certificate will be rejected.
11. The quotation should include comprehensive **warranty for at least 1 year**.
12. Special discount/rebate wherever admissible keeping in view that items are being procured for educational purpose in respect of Public Institution of national importance may please be indicated.

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