

Notice Inviting Quotation (NIQ)

Name of theItem: Mass Flow Controller (MFC)

Sealed Quotations are invited from reputed manufacturer / their Indian representative for the **Mass Flow Controller** for the measurement of gas flow rates in a vacuum / sputtering system.

Specifications

| Item No. | Feature | Specification | | Compliance / Comments |
|----------|------------------------------|--|---|-----------------------|
| 1 | For Argon Gas | a. Full Range: | 100 sccm | |
| | | b. Inlet/outlet connections | Swagelok type, ¼ inch fitting | |
| | | c. Accuracy | +/- 1.5 % FS of set value or better | |
| | | d. Response time | < 5 s | |
| | | e. Output pressure | The output will be connected to a sputtering system, the pressure of the sputtering system will be in 5-40 mTor range | |
| | | f. Inlet pressure | Will be connected to Ar gas cylinder through a 2-stage gas regulator | |
| | | Body of construction | 316 stainless steel | |
| | | “O” rings etc. | Preferably viton | |
| | | Control / readout Unit The MFC must be supplied with a stand alone control and read out unit to set the flow rate and display the same continuously | Power: 220 V AC single Phase, 50 Hz | |
| 2 | For O₂ Gas | Specifications: same as above, for O ₂ gas | | |
| 3 | For N₂ Gas | Specifications: same as above, for N ₂ gas | | |
| 16 | User List | User list in India with | | |

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| | | contact person's name, phone No. and e-mail ID must be provided. | | |
| 17 | Spare parts | Should be quoted separately for 3 year operation. | | |
| 18 | Warranty | Minimum 1 year onsite warranty must be included in the price quoted. | | |

TERMS AND CONDITIONS COVERING SUBMISSION OF QUOTATIONS, IIT DELHI

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| 1. Method of Submission of Quotations | <p>1. Quotations should be sent in a sealed cover and marked at the top "our NIQ reference, due date for opening, the name of the item etc." The quotation must be in 2 separate sealed cover marked: "Technical Bid" and "Price Bid"</p> <p>2. The quotations should reach Prof. Sudhir Chandra, Room No. III-214 Centre for Applied Research in Electronics, IIT Delhi, Hauz Khas, New Delhi 110016 latest by 5 PM, Friday, 24 August 2012</p> |
| 2. Local Offices | Please provide local office address. |
| 3. Taxes | No Sales tax concession under Form "C" and "D" is admissible to this Institute. |
| 4. Validity of Quotation | The validity of the quotations must be for three months or more |
| 5. Delivery and rate | The rates quoted must be both FOB and CIF (inclusive of freight, insurance), taxes, duty etc. as applicable. |
| 6. Institute Rights | The Institute reserves the right to accept or reject any or all quotations without assigning any reason. The discretion of increasing or decreasing of the quantity demanded or selecting only one items out of all quoted also vests with the Institute. |
| 7. Terms of Payment | Our normal term of Payment is by (i) Letter of Credit for Foreign Suppliers (ii) for Indian Suppliers, by cheque within 30 days after receipt of goods/material in sound condition. Please note that advance payment will not be made. State clearly the Name and address of the Supplier to whom the order will be placed. Also mention the "Cheque/Draft to be made in favour of and payable at ...(City/Country)." |
| 8. Rejection | Late receipt of quotation and the same not conforming to the set procedures as above will be rejected |
| 9. Discount / Rebate | Special discount/rebate wherever admissible keeping in view that the supplies are being made for educational purpose in respect of Public Institution of National importance may please also be indicated. |

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| 10. Warranty /Compliance/ Certificate of meeting specifications | To be clearly mentioned / provided by the Supplier. |
| 11. Manufacturer's name and full address and country of manufacturing | Must be provided |
| 12. Certification of registration for sales agent | Must be provided |

(Prof. K Thyagarajan)

(Prof. Sudhir Chandra)

(Dr. Mahesh Abegaonkar)