



Government of India
Bhabha Atomic Research Centre
Technical Physics Division

Ref : TPD / KCR / 2017 / 194757

Mod Labs., Trombay.
Dated: 06 – 11 – 2017.

Sub : Minor Fabrication - Invitation of Quotation.

Fabrication and Supply of High Speed MultiChannel Data Acquisition System as per specifications.

Quantity : 2 nos.

Dear Sirs,

1. Quotations are invited for the minor fabrication job as per the enclosed specifications and drawings.
2. GST and other Taxes shall be quoted separately.
3. **Please mention PAN and TAN Reg. Nos., SSI certificate if available and affix company seal.**
4. The quotations must be sent by **Normal Post or Speed Post**, to The Head, Technical Physics Division, so as to reach by **3:00 p.m, 16 – 11 – 2017** and must be sent in a sealed envelope superscribed with the above reference number and due date given above. The quotations will be opened on **17 – 11 – 2017**
5. The address on the envelope should read :
The Head,
Technical Physics Division, Mod Labs.,
Bhabha Atomic Research Centre, Trombay,
Mumbai – 400 085. Attn : Dr. K. C. Rao.
6. The fabrication work shall be subject to inspection by our engineers at bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
7. The bidder shall deliver the finished components after approval by our engineer within **60 days** from the date the firm purchase order is issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at **North Gate, B. A. R. C, Trombay, Mumbai - 85.**
8. Head, T P D, B A R C., reserves the right to accept /reject any or all quotations without assigning any reason.

Encl : Drawings / Specifications Sheets.

for **Head,**
Technical Physics Division

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SPECIFICATIONS FOR HIGH SPEED DATA ACQUISITION SYSTEM WITH MASS FLOW CONTROLLER

QUANTITY: 2 NOS

GENERAL: High Speed Data Acquisition System consisting of a Industrial Back Plane, with suitable power supply, Operating System and Multichannel Digital to Analog Output (DAC) and Mass Flow Controller as detailed below.

HIGH SPEED DATA ACQUISITION SYSTEM : containing LGA1151 ATX IMB H110, Dual LAN, Dual Channel DDR4, CORE 3.4G 8M 1151P 4 CORE I7-6700, Cooler I-LGA1155 S-95W 90xx90x68-SS 12V, 4G DDR4-2133 512X8 1.2V SAM, IPC-510MB-00XBE with 300W PSU: PS8-300ATX, SG Enterprise 3.5" 2TB 7KRPM SATAIII 12, Win10 IoT Ent LTSB 2016 Multi-Language OEI High End (ESD), KEYBOARD 104KEYS USB BLACK(G), MOUSE OPTICAL USB BLACK(G), 21.5" Industrial Monitor with PCT touch, ADP A/D 100-240V 60W 24V C14 CORD END T, Power cord 3P Indian type for IPC/ACP chassis

PCI - DATA ACQUISITION SYSTEM : PCI1712-AE, 14bit, 12 Channel Synchronized Analog Output Card, Mass Flow Controller (DFM-26-S-VA-DL-4AA, Aalborg Mass Flow Controller) with automatic zero adjustment, self-diagnostic tests and Alarm limits for high and low gas flows.

QUOTATION: Vendors should provide a single quotation for the entire set of items as mentioned above. Part quotation for a few items will be treated as incomplete and shall be rejected.

ACCEPTANCE: Materials will be accepted on satisfactory demonstration of the full functionality of all the items mentioned above with suitable hardware / software at their factory / office sites.