

Government of India
Bhabha Atomic Research Centre
Accelerator Control Division

Ref: ACnD/EMAS/17/560

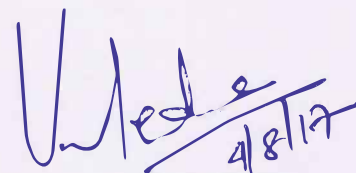
Date: 4/8/2017

Sub: Fabrication and supply of PID controlled miniature oven as per technical specifications number MO/01 Rev 0

Dear Sir/Madam,

1. Quotations are invited for Fabrication and supply of PID controlled miniature oven as per technical specifications number MO/01 Rev 0.
2. Bidder shall quote for deliverables as per technical specifications.
3. No Free Issue material is involved.
4. Taxes and Excise Duties shall be quoted separately. Form AF / H whichever is applicable shall be provided, if required.
5. **The quotation must reach The Head, Electromagnetic Application Section, Accelerator Control Division by 14/8/2017 (12:00 Noon) and must be sent in a sealed envelope super scribed with the reference number & the due date given above. Courier are not allowed in BARC premises, the quotation shall be sent by speed post/registered post.**
6. The address on the envelop should read: **The Head,
Electromagnetic Application Section,
Accelerator Control Division,
RCnD Bldg., North Site
BARC, Trombay,
Mumbai - 400 085.
(Kind Attn: Vikas Teotia, SO/E)**
7. The bidder shall complete the job within 8 weeks from the date of firm work order issued to the bidder. The finished components shall be delivered by the bidder at Accelerator Control Division, BARC, Trombay, Mumbai - 400 085.
8. Head, Accelerator Control Division reserves the rights to accept / reject any or all quotations without assigning any reason.
9. Delivery charges if any must be clearly mentioned in the offer. Quotation must also indicate the validity of offer. Quotation must also indicate the GST no and PAN no of the party.
10. Drawings / Sketches must be returned along with the offer.
11. The quotation has to be signed by authorized person with company seal.
12. Payment will be made by cheque only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.

Encl.: Technical Specification no: - MO/01 Rev 0


(Vikas Teotia)

Electromagnetic Application Section
Accelerator Control Division

Technical Specification no: - MO/01 Rev 0

Fabrication and supply of PID controlled miniature oven

This document contains details of a miniature oven with following specifications:

- 1) Temperature range : Ambient to 200° C
- 2) Temperature resolution : 0.1° C
- 3) Temperature Accuracy : $\pm 0.5^{\circ}$ C
- 4) Construction type: Double walled having insulation using cerewool.
- 5) Material of Construction for inner block: Aluminum Solid. This block shall be milled and machined to have amended working size of 40mm (H) X 40mm (W) X 50mm (D).
- 6) Material of construction of outer cabinet shall be CRCA MS sheet with epoxy powder coated finish.
- 7) Doors shall have Silicon Gasket at Door.
- 8) 5 mm diameter hole in silicon at door.
- 9) The inner heating block should be coupled with Stainless Steel; Cartridge and RTD PT-100 Temperature sensors.
- 10) The Controller shall be PID auto tuned microprocessor based digital temperature control.
- 11) The system shall have MCB for switching, along with status lamp in control box for indicating the status of heater.
- 12) Input power: 1 \emptyset , 230V, 50Hz
- 13) Controller shall be in separate cabinet
- 14) Both controller and oven shall be mounted on strong metallic foundation.
- 15) Outer dimensions of the oven shall not exceed 10 inch X 10 Inch X 10 Inch