



Ref: AMTDC/EQUIPMENTS/2021/002

DATE: 11.01.2021

DUE DATE: 21.01.2021

Dear Sir,

Quotations are invited for "OVEN" as per the technical specification shown below/overleaf/enclosed document. (Annexure – 1)

Accessories

1. The quotations have to be sent to the following Address in the sealed cover.
The Secretary,
Advanced Manufacturing Technology Development Centre,
Ground floor, 'B' Block, IIT Madras Research Park
Kanagam Road, Taramani, Chennai – 600 113
2. Send the quotation by post/courier/in person on or before 21.01.2021. Fax and Email quotations are not acceptable.
3. Quotations must be valid for 60 days from the due date and **period of delivery required, warranty terms etc. should also be clearly indicated.**
4. GST if applicable and such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. If this is not indicated no such claim will be admitted at a later stage.
5. The items should not be supplied before releasing an official Purchase order.
6. If the item is under DGS&D Rate Contract, Number and the Price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so, please send copy of the RC.
7. 100% of the payment will be made after the supply of the Instruments and installation. Installation has to be completed within a week.
8. Warranty: Warranty period should specifically be given. Free up-gradation and technical support will be provided, should be given in the quotation.
9. The technical compilation report has to be submitted along with the quotation.
10. **Acceptance and Rejection:** - AMTDC has the sole right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
11. For all other information or technical clarifications, please send the email.
Email: accounts@amtdc.org Phone: 66469825 / 42022629

Yours faithfully

K. Ramesh Kumar
09 01 2021
Accounts Officer/ AMTDC

ACCOUNTS OFFICER
Advanced Manufacturing Technology

Development Centre, IIT Madras Research Park

Technical Specification for Oven

S.No.	Parameters	Values	Description
1.	Type of Oven	<ol style="list-style-type: none"> 1. Industrial Deck type oven 2. No. of deck arrangements in single chamber 	Automatic deck door - mechanical
1.a.	Type of Material Loading	Rack and Tray	Provision of material loading guides at the entrance
2.	Dimension of oven chamber	1 x 1 x 1 m	Overall constraints to 1.3m cube
2.a	No. of Stacks/decks	10	Spacing between stacks/deck 0.1 m
3.	Temperature	0-500 deg C	Temp. variation: ± 2 deg C
4.	No of chamber	2	Horizontal in
5.	Controlling unit	PLC	PLC - suitable for DAQ and provision for integration in SCADA
6.	Heating source	Electric type	Moisture free
7.	Additional requirements	<ol style="list-style-type: none"> 1. Temperature to be controlled and feasibility for integration in SCADA 2. Duty cycle of 12 hr at 350 deg C Continuous 3. Uniformity of Temperature ± 2 deg C within the work volume of oven. 4. Mapping & Monitoring of Temperature of Oven at different locations using Temperature sensors (Thermocouple /RTDs). 	-

 Research Engineer