

Indian Institute of Technology

Department of Chemical Engineering

October 17th 2013
NIQ Ref No.....

Purchase of a 100ml Lab Autoclave & accessories

Quotations are invited for one 100ml lab Autoclave with minimum specifications given in the Table below. Technical and commercial bids must be submitted in **separate** sealed envelopes subscribed with “Technical Bid” or Commercial Bid” as appropriate. Both technical and commercial bids should be enclosed in an envelope subscribed “Quotation for 100ml lab Autoclave”.

The quotation should reach **Dr. M. Ali Haider, Department of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi – 110016**. Mention NIQ Ref No and Item description (title) on top of your quotation.

Last Date of submission: -05/11/2013

S. No.	Item	Description
1	Volume	100ml
2	Material of Construction	Made from Hastelloy B/C barstocks.
3	Design Pressure	80-100 bar
4	Design Temperature	300-350 deg. C.
5	Constituents and Fittings	Should include pressure gauge, inlet vent and liquid sampling valve
6	Cooling System	Pipe cooling system internally fitted, thermowell with RTD temperature sensor and dip tube.
7	Stirrer	Turbine stirrer with the motor capacity of not less than 1200 rpm and with digital speed indication.
8	Heating	Inbuilt electrical heating system with insulation

9	Digital Control Panel	Digital Control Panel with programmable and PID temperature and pressure controller along with security alarm system and motor speed controller.
10	Electrometer specifications	220V AC, 50Hz
12	Motor specifications	Flame and heat proof AC motor with variable frequency drive.
13	Shaft Sealing	Leakage proof Magnetic drive coupling (Hastelloy B/C)
14	Mounting	Mounting table top made of S.S.
	Optional Attachments	(Quote for each of the following accessories separately)
15	Pressure regulator	SS pressure regulator with pr. gauge
16	Pressure safety valve	SS PSV with max operating temp of 350 deg C
17	Digital pressure indicator	Digital pressure indicator with pressure transmitter and transducer with high pressure alarm
18	Cooling mechanism	water pump and tank with tubing for circulating cooling water
19	Trolley	SS trolley for easy and smooth movement
20	Pressure sensor	Containing high pressure alarm and analog sensing.
21	Complete control panel	provision for temperature, pressure and rpm control
22	Product condenser	Hastelloy B/C or SS reflux/take off condenser

Terms and Conditions:

1. The delivery period should be clearly indicated in the quotation.

2. Submitted quotations should clearly mention the validity period, preferably for a minimum of 3 months.
3. Guaranty or warranty period should be specified.
4. The mode of payment should be clearly indicated.
5. All other general terms of delivery should be specified with quotation.
6. The quotation should include details of the pricing for each items along with the Special discounts, packing, and forwarding. Inland Freight and Export documentation charges.
7. The item should be properly packed with clear mention of name of manufacturer/name of supplier along with date.
8. Payment will be done under EFT (Electronic Fund Transfer) / RTGS (Real Time Gross Settlement) scheme after receipt of item. It is compulsory required that the seller should be registered for RTGS at IIT Delhi.
9. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information.
 - a. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
 - b. Forwarder details i.e. Name, Contact No., etc.Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.
10. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
11. If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed. Similarly, proprietary certificate for proprietary items should be provided.
12. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.
 - a. Quotation with details of Basic Price, Rate & Amount on which ED is applicable.
13. Please quote the price of the imported item at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight, delivery, installation and onsite training charges. The quotation should provide the total price of the system including all taxes and transportation charges.
14. In case IIT Delhi is imposed with demurrage charge due to import on CIF, the entire demurrage charge has to be borne by the Indian Agent of foreign supplier.
15. Three years comprehensive warranty be provided and AMC price beyond 3 years should be mentioned separately.
16. Delivery period: within 1 month from the issue of supply order.
17. The quotations must have validity of at least three months.
18. The products will be used for educational purposes. Any applicable academic institution

discounts should be offered and stated clearly.

19. Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.

Dr. M. Ali Haider,

Department of Chemical Engineering,

IIT Delhi