

Aspee Shakilam Biotechnology Institute
Navsari Agricultural University
Ahwa Farm, Ghod-dod road, Surat-395007



Quotation Notice

Principal, ASPEE SHAKILAM Biotechnology Institute, Navsari Agricultural University, Surat - 395007 is inviting quotation in sealed cover for supply of "Highly Pressurized Reactor" instrument. The Quotation in sealed cover is invited by post/courier. The last date for receiving quotation is 23/08/2018. More details are available on www.nau.in For further queries please contact Dr. Vaibhavkumar N. Mehta (Mo. No: 9426388144) Principal

This quotation notice is published in Sandesh news paper dated on 24/07/018.

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Principal





ASPEE SHAKILAM BIOTECHNOLOGY INSTITUTE
NAVSARI AGRICULTURAL UNIVERSITY
GHOD DOD ROAD, ATHWA FARM
SURAT-395 007 (Gujarat)

Tender for Purchase of Instrument “Highly Pressurized Reactor”
Last Date of receiving Sealed Quotation: 23/08/2018

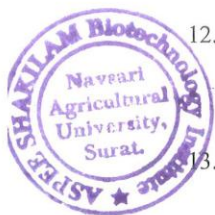
Tender Fee	Rs. 1500/-
Tender Fee DD No. and Date	
EMD Amount	Rs. 10,500/-
EMD DD No. and Date	

Terms and Conditions for the Tender:



1. Tender Should be downloaded directly from the website www.nau.in and tender form should be submitted along with demand draft of Rs. 1500/- as tender fee and demand draft of Rs. 10,500 as EMD in favour of “Associate Professor, ASBI, NAU, Surat”, Separately.
2. Superscribe the envelope “**Tender for Highly Pressurized Reactor**” with the entire details of the party. No correspondence shall be entertained after submission of tender. **Last date of submission of sealed tender is 23/08/2018 during office hours (17.00 hours).**
3. Authorized dealers can quote their rates provided that they need attach relevant certificate of authorized dealership issued during current financial year: 2018-19 from the manufacturer / principal company. Authorized dealers representing the same company / instruments are free to compete for price, terms, warranty period etc.
4. The price quoted should be valid up to **31st March, 2019**. The MRP and the discounted price should be specified clearly as above.
5. The goods should be required to supply as early as possible (Within 8 to10 weeks) after issuing the purchase order. If supply is not affected by this date, the order is liable to be cancelled without any consent to the party unless the delivery period is extended by the institute on receipt of a specific request from party.
6. The goods will be required to be consigned to “**The Principal and Dean, Aspee Shakilam Biotechnology Institute, Navsari Agricultural University, Ghod-dod Road, Athwa Farm, Surat-395007**”. Place of installation and service point is at “Aspee Shakilam Biotechnology Institute, Navsari Agricultural University, Ghod-dod Road, Athwa Farm, Surat-395007”.

7. The equipment should be supplied with the complete set of manuals.
8. Payment shall be made only after delivery, installation by party and satisfactory working condition and training/inspection. The final payment will be done through account payee cheque only and no penalty will be claimed due to delay in payment on account of unavoidable reason.
9. The goods after inspection, if found defective or damaged or not according to the specification of this supplied order, the payment will be withheld and goods will be returned to the party at their own cost.
10. Lowest price shall not be the only criteria of approval of a party for supply. The comparison will be made on similar make and models and the right to accept or to reject the quotation reserved by the undersigned/committee without assigning any reason, thereof.
11. Warranty/guarantee after date of installation should be clearly mentioned in the quantitation.
12. The prices shall be inclusive of all freight, packaging and forwarding, transit insurance, installation charges, applicable taxes as per recent government rules and regulations as well as F.O.R. destination.
13. Rate should be quoted along with all applicable taxes. However, NAU being an educational institute, therefore, is eligible for exemption of such duty from final payment.
14. Supplier has to perform on-site live demonstration as per trial requirements of concerned scientist with bidders'/ suppliers'.
15. Successful bidder has to submit **5 % of purchase order as a Security Deposit in the form of Bank Draft in favor of "Associate Professor, ASBI, NAU, Surat"** at the time of giving purchase order.
16. The amount of security deposit will be refunded after two years of successful installation/demonstration of the instruments/machinery, after writing a letter to the office where in instruments/machinery installed.
17. The security deposit will be forfeited if, successful bidder fails to supply the items within the delivery period and/or supplier fails to comply specifications of instruments, installation/demonstration of the instruments/ machinery and/or supplier is not providing satisfactory post sale services and support.
18. Liability of paying various taxes (GST) remained with the supplying party only.
19. Dispute, if any, will be subject to Surat jurisdiction.



Declaration

We/I have understand, read and examined all the details of tender document as well as term and condition and agreed with the same.

Place:

Date:

Telephone/Mobile No:

Fax No:

E-mail:

GSTIN No.:

PAN No.:

Signature and Seal


Name and Full Adress with the Signature





**Instrument “Highly Pressurized Reactor”
Tender Specification**

Sr. No.	Item	Specification	Approx. Quantity	Make and Model	MRP per Unit	Offering Price per Unit (inclusive all taxes f.o.r.)	EMD Amount (Rs.)	DD No. and Date
1.	Highly Pressurized Reactor	<p>Volume & M.O.C: 50 ml/100 ml net filling capacity made from SS 316 solid bar stock (no welding) & with removable Teflon liner sliding in the autoclave Vessel.</p> <p>Design Pressure: 100 bar (Max working pressure around 80 % of the design pressure)</p> <p>Operating pressure: 100kg/cm² (1450 PSI)</p> <p>Maximum working Temperature: 180°C for Teflon liner, which is removable / interchangeable. 350 °C for SS Vessel</p> <p>Nozzles & Fittings: External Fittings: Pressure gauge, vent valve, safety rupture disc (Inconel) (Certified by original manufacturer), gas inlet-valve & liquid sampling valve mounted on common dip tube. Solenoid valve at the inlet of cooling coil pipe for automatic cooling.</p> <p>Internal Fittings: Single tube in tube out type cooling pipe, thermo well (with temp. sensor), dip tube.</p> <p>Body & Head Sealing: PTFE Gasket with split clamp type quick opening system with clamp bolts. Body clamps shall be with clit / latches to prevent flying off of clamps in</p>	01				Rs. 10,500/-	

	<p>case of over pressure. (In place of spring loaded clutching).</p> <p>Motor & drive: 1/4 H.P AC Motor and variable frequency drive with 100-1450 RPM infinitely variable speed & digital RPM indication. Motor shall have 3 piece quick & maintenance free connect/disconnect motor coupling for ease of operation. (In place of spring loaded clutching).</p> <p>Shaft Sealing: Zero leakage Magnetic drive coupling.</p> <p>Stirrer: 4 bladed turbine stirrer</p> <p>Heating: External electrical ceramic band heater with insulation & with high temperature steel cladding & cascade temperature ON/OFF heater temperature controller to prevent temperature over shoot for safety of PTFE liner / temperature overshoot. It shall have insulated heater plate to prevent thermal shock to operator.</p> <p>Control Panel: SS control panel with Programmable P.I.D temperature controller with high temperature alarm system & motor speed controller mounted on it. The panel shall be Screw less design with push lock enclosure, PVC Cable tray for internal wiring, safe & rugged metal clad military grade lockable plug sockets for all the sensors, heaters & motors (for tight connection & safety).</p> <p>Mains Power Supply: 1ϕ, 220VAC \pm 10%, 50Hz</p>								
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Mounting: Mounted on Table top with polishing of complete autoclave. Approximate Overall Dimension for Table Top Model in mm (W x D x H): 275 x 230 x 780mm.

Digital pressure indicator in bar & psi with SS-316 Pr. transmitter (Non-FLP) & high pressure alarm in addition to analog pressure gauge with high pressure safety heater cut off.

Pressure Relief Valve of MOC SS- 316 (Note: cooling jacketed shall be provided before the valve for 350 °C)

100 ml interchangeable vessel with solid shaft.

SS Pr. Regulator with self-venting for releasing the pressure, pressure gauge & 4m long flexible hose pipe with NRV for 0-140 bar O/P pressure for H₂ gas & adaptor for N₂, O₂ or air cylinder.

Date:

Signature of Authorized Person

Name and Address with the Rubber Stamp

Telephone/Mobile No: