

बीरबल साहनी पुराविज्ञान संस्थान, लखनऊ
BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES, LUCKNOW

टेलीग्राम पेलियोबॉटनी

53, विश्व विद्यालय मार्ग

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बी सा पु सं /III/भंडार एवं क्रय/ C-389

Date: 11.07.2022

संयोजक वेबसाइट समिति,

बी सा पु सं, लखनऊ

Gas line system and attachments for Nitrogen isotope analysis in the Biomolecular Studies Laboratory
(Specification available on reverse page)

Subject: -----

Dear Sirs,

This Institute intend to purchase item mentioned above. Sealed quotations are invited so as to reach this office on or before 5:00 P.M. on 26.07.2022 duly superscribed by Gas line system and attachments for Nitrogen isotope analysis in the Biomolecular Studies Laboratory.

While submitting quotation please note that:

1. The material may either of indigenous manufacturer or of foreign make, available from ready stock. Any offer to supply on forward Delivery Basis under suppliers own quota license will also be considered.
2. The price quoted should be F.O.R. Destination.
3. Your rates should include packing, insurance and forwarding charges.
4. The rates of Sales Tax should be clearly indicated wherever chargeable. The tendered should also indicate Central/Sales Tax Registration Number and date in this quotation.
5. Specific mention should be made whether the offer is for supplies available ex-stock. In case the officer is on Forward Delivery basis, firm delivery period must be indicated.
6. Authorisation certificate should be attached with the quotation/estimate.
7. The cover should be sealed and superscribed "Quotation for Gas line system and attachments for Nitrogen isotope analysis in the Biomolecular Studies Laboratory must be written on envelope. The quotations not complying the procedure will be rejected.
8. Payments will be made by crossed cheque/on line through Indian Overseas Bank, Lucknow only after receipt and acceptance of supply and installation/ if required satisfactory.
9. The acceptance of the quotation will rest with the Director who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotation received without assigning any reasons.
10. The quotations are liable to be cancelled if any of the above mentioned conditions are not complied with.

Yours sincerely,



(Sandeep Kumar Shivhare)
Registrar

Specification: -

Gas line system as indented should have the following components with corresponding specifications to the level and brands of similar or better:

Description	Qty.
A. Nitrogen (N ₂) / Hydrogen (H ₂) / Helium (He) / Carbon dioxide (CO ₂) gas line with: <ul style="list-style-type: none">• Inlet wall panel having:<ul style="list-style-type: none">▪ Inlet Port according to N₂ / H₂ / He / CO₂ cylinder▪ SS-316 pigtails for N₂ / H₂ / He / CO₂ Cylinder. Tested Pressure 400 Bar.▪ Inlet pressure gauge for cylinders up to 206 bar▪ Inlet, purge and outlet two-way valves▪ SS-316 Single cylinder Gas Manifold system with SS- valve and Purging System.▪ Outlet pressure gauge 0 to 17.2 bar▪ Variable pressure control valve with SS-316 Double stage High flow Regulator for N₂, H₂, He and CO₂ with SS 316 Diaphragm, SS Spring & Wall Pin, K-elf Wall Sheet▪ Output gas line ¼" OD SS tubing with PVC coating till the purification panel ~3 m• Purification Panel having:<ul style="list-style-type: none">▪ Fully activated Moisture trap, Oxytrap and Hydrocarbon trap.▪ SS316 Body Ball valve, Pressure Reducing Regulator▪ Inlet pressure gauge 0 to 21 bar, Outlet pressure gauge 0 to 7 bar, Outlet pipe SS tubing with PVC coating 1/8" OD▪ Variable pressure control valve with Diaphragm Sensing Mechanism, No vent, Knob Handle. Make Swagelok, Tescom or Parker	01 Set
C. SS Tubing 1/16" ODX0.028" WT (SS-T2-S-028-6ME) with MOC certificate made into 10 spirals of 1 m length and 2-3" diameter	10 m
D. Swagelok type joint fittings of SS with nuts, bolts and spherules	
Two-way 1/16"-1/16"	20 sets
Two-way 1/8"-1/16"	06 sets
Spare 1/16" Spherules	30 Nos.
Flow controller 1/16"-1/16"	02 sets