

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

टेलीग्राम पेलियोबॉटनी

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बी सा पु सं /III/भंडार एवं क्रय/८-700

53, विश्व विद्यालय मार्ग

लखनऊ - 226007

Date: 31.08.2017

संयोजक वेबसाइट समिति,

बी सा पु सं, लखनऊ

De-ionized Water purification system (specification at the back)

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 15.09.2017 duly superscribed by **"De-ionized Water purification system"**.

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. The cover should be sealed and superscribed "Quotation for **"De-ionized Water purification system"**" must be written on envelope. The quotations not complying the procedure will be rejected.
7. Payments will be made by crossed cheque on The Indian Overseas Bank, Lucknow only after receipt and acceptance of supply and installation/ if required satisfactory.
8. 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.
9. The quotations are liable to be cancelled if any of the above mentioned conditions are not complied with.
10. The quantity may be increase or decrease at the time of purchase.


(Sanjay Kumar)
Registrar

Detailed specifications:

The proposed water purification system must have following features.

- 1- Able to utilize the tap-water as source water before pre-filtration unit.
- 2- Must be able to produce 50 litre of deionised water (conductivity 0.05 microsimens $\mu\text{S.cm}$) or resistivity $\sim 18.0 \text{ M}\Omega.\text{cm}$) or better at room temperature.
- 3- Almost complete removal of TDS and major cations/ anions NH_4^+ , NO_3^- , Cl^- , PO_4^- etc. in the output water.
- 4- Should have sensor for display of water-quality while obtainment of water from plant.
- 5- Dispense rate of output water should be minimum ~ 1 litre per min or better.
- 6- Should have bacterial removal provision; output water should have $\leq 0.1 \text{ CFU/ml}$ counts or better.
- 7- Dissolve organics in output water must be $< 2-3$ ppb.
- 8- Water produced must be neutral with $\text{pH } 7 \pm 0.3$.
- 9- Unit must be compact easy to maintain. Should have essential RO, UV, Charcoal-filter, and ion-exchange cartridges in an easy serviceable/ replaceable module.
- 10- must work with normal power supply 220 ± 10 volts
 $50 \pm 5 \text{ Hz}$. Channel

Edes Agila
3.108/17