

**MIRANDA HOUSE, UNIVERSITY OF DELHI,**  
Patel Chest Marg, University of Delhi, Delhi-110007  
Ph. 27667367, 27666983

Ref. No. F.VI/2019-2020/  
22 February 2023

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(Quotation duly sealed with sealing wax) in an envelope with quotation No. and due date written outside and addressed to the undersigned, are invited for the following items. Alterations/ over writings should be avoided. Quote for those items only which you can supply immediately. The rates should be F.O.R. College Stores. The undersigned reserves the right to reject any or all the tenders or any rates without assigning any reason. Quotations not complying with the above-mentioned instructions are liable to be rejected forthwith.

Last date for submission of the sealed quotation is 07.03.2023

Note: (1) ENVELOPES NOT SEALED WITH SEALING WAX WILL STAND REJECTED.

**Name of work: Provide Annual maintenance services contract of 1000 LPH R.O. Plant at Hostel**

S.NO	PARTICULARS	Qty.	RATE	AMOUNT
1.	Provide Annual maintenance services contract for RO water treatment system and all its components of required as per water test analysis to make the water suitable for drinking, regular service of the machines complete including the following as mentioned below. Permeate waster quantity = 1000 lit/hr. Minimum Recovery = 45% Treated Water Quality Turbidity: <1 NTU pH : 6.5-7.0 Total Hardness : < 150 ppm Chlorides : < 200 ppm Sulphates: < 50 pmm TDS : < 200 ppm	01Nos.		
	<b>GST @ 18%</b>			
	<b>Total</b>			


**Conditions**

- 1) Electrical panel including all starters, overload relays, single phase preventers, voltmeters, ammeters, MCB's auto-marual switches etc. Complete.

- 2) If any Part require/ replacement, whether it is consumable or non consumable, it will be done free of cost by the contractor.
- 3) Any breakdown in the RO plant if occurs, would be allowed to immediately or maximum with in 24 hr.
- 4) Engineer/ Technician would visit in every 2 month for servicing the RO Plant system.
- 5) During the CAMC Period, defect, if any in the R O Plant System shall be rectified
- 6) The engineer / Technician will submit the report of portability like PH and TDS Value of the every visit to college office.
- 7) Lapse of visit if any will result to deduction of Payment accordingly
- 8) No extra payment will be made.

**Components, Parts of the R.O. Plant.**

- a) SS horizontal centrifugal Raw water pump (1 Working + 1 Stand By) Flow 2.25 m<sup>3</sup>/hr. @3 kg/ cm<sup>2</sup>, make-Grundfors
- b) FRP dual Media Filter, Dia-400 mm, Make- Pentair
- c) Antiscalant Dosing System including pump chemical dosing pump, tank etc. 0-6 LPH, Make Asia LMI
- d) Polypropylene Micron / Certidge Filter Big Blue and SS Housing
- e) Stainless steel vertical multistage inline high pressure pum ( 1 working + 1 Standby) including dry running protection 2,25 m<sup>3</sup>/hr. @ 11.79 Bar, make Grundfos
- f) Spirally wonded RO Membranes, BW30-4040, make- DOW
- g) Composite FRP RO Pressure tube / Vessel, 2 element each
- h) Automatic RO Module Cleaning System including chemical pump, cartridge filter, tanks etc.
- i) Ph correction system including chemical dosing pump tanks etc.
- j) Initial Charge of chemicals require to commission the RO
- k) UPVC (8 kg/cm<sup>2</sup>) piping and valves for low pressure and SS 304, schedule 10 piping and SS- 304 valves for high pressure piping in the plant.

  
Principal