



University School of Chemical Technology
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Sector: 16C, Dwarka, New Delhi-110 078

Date: 01.05.2024

Subject: Uploading NIQ on the University website

Attached please find the "Notice Inviting Quotation" of the following two items:

1. Automatic Membrane Casting Machine
2. Electro-ultrafiltration membrane set-up

Soft copies of the above have already been mailed at upload@ipu.ac.in.

Submitted for uploading on the GGSIP University website, please.


Dean, USCT

In-Charge, Server Room


Prof. Biswajit Sarkar
01.05.24



University School of Chemical Technology
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Sector: 16C, Dwarka, New Delhi-110 078

Ref. No.: GGSIPU/USCT/PROJECT/PUR/2024/4

Date: 01.05.2024

NOTICE INVITING QUOTATION

Sealed item rate quotations are invited on behalf of Dean, University School of Chemical Technology, Guru Gobind Singh Indraprastha University, Sector: 16C, Dwarka, New Delhi-110078, from manufacturers/distributors/authorized dealers for the supply of following item with the following technical specifications, eligibility and terms and conditions:

S. No.	Item	Technical Specifications	Qty.
1.	Electro-ultrafiltration membrane set-up	<p>An electro-ultrafiltration membrane set-up constructed with Teflon/Perspex, should be provided with feed inlet, retentate outlet, permeate outlet and appropriate perforated stainless steel (SS) membrane support. Module should be mounted on a painted iron structure (3-4 ft. high). Permeation should be from the bottom of the channel through a common outlet. Feed inlet should be provided with a distributor. To avoid channeling, bottom surface of the flow channel should be grooved and connected to a common outlet for permeate collection. Module should have pressure gauge for measuring pressure inside the chamber.</p> <p>Channel height should be maintained using appropriate gasket. Maximum liquid holdup should be 400 mL in the pipe line. SS 316 plate (length: 15 cm, width: 5 cm; thickness: 1.0 cm) would require to be fixed with the upper part of the membrane module flow channel so that external dc power can be supplied through the SS-316 plate and also through the SS-316 porous membrane support (length: 20 cm, width: 10 cm; thickness: 1.0 mm) placed at the bottom of the channel. Set up should be provided with the following technical details.</p> <p>Technical Details:</p> <p>(i) Membrane Module: (i) Material: Teflon/Perspex; (ii) Flow channel: Length: 20 cm, Width: 10 cm; (iii) Channel height: 15-18 mm; (iv) Operating pressure: 15 to 150 psi; (v) Pressure gauge: Up to at least 200 psi (No.: 03); (vi) Rotameter: 5-300 LPH (No.: 03); (vii) Number of gaskets: Three; (viii) Nuts and bolts with spanners: Stainless steel (two sets).</p> <p>(ii) Cylindrical Feed Tank: Capacity: 2.0 Liter (Max.), Tank diameter: 12 cm (Max.); Material - SS 304; Wall thickness: 2 mm (min.), Top Cover - Flange types. Feed tank should have provision for bypass and retentate circulation. Also, it should have proper drainage system. All the connected pipes/tubes should be capable of handling high pressure liquid.</p> <p>(iii) Feed Pump: Max Speed - 1600 RPM; Pressure - 15-150 psi; Flow: 5-300 LPH; Types: Plunger (SS); Motor: PMDC. Control - Manual with Dial. Pump configuration should be under full control of connected motor control in spite of bypass provision with pump. User can control pressure and flow as low as 1.0 bar and 5 LPH and on higher side 10 bar and 300 LPH. Pump should be capable of smooth running of 3 hours (minimum) continuously</p> <p>(iv) DC regulated power supply: 0-30 V, 0-10 amp with digital display.</p> <p>System should have suitable wire and plug for electrical connection.</p> <p>(i) Other eligibility criteria</p> <p>a) Firm should have executed at least one supply order of the similar equipment in the last two financial year to the Public sector undertaking, Govt. department, Educational Institutions, Research Institutional or in reputed private sector. This should be certified by an authorized officer of the client organization on its letter-head.</p> <p>b) The Manufacturer/firm/vendor should have an authorized service centre in NCR only.</p> <p>c) Authorization letter of the OEM.</p> <p>d) That the bidder/ organization has not been debarred or blacklisted by any of the Central/State Government/Departments /Organizations/Central or State PSU in last 3 years.</p> <p>e) Comprehensive on-site warranty for a period of 36 months from the date of completion/ installation for the items.</p>	01

Others:

1. Supplier must have valid registration of GST.
2. Should have valid PAN number.

Terms & Conditions:

Delivery: F.O.R. GGSIP University, Sector 16 C, Dwarka, New Delhi-110078
Delivery period: Max. 30 days.
Supply after the stipulated delivery period will not be accepted.
GST: GST as applicable may please be clearly mentioned in the quotation.
Payment: After satisfactory Installation and demonstration. No advance payment will be made.
Quotations received after due date & time shall be summarily rejected.

Last date, time and venue for submission of quotation

24.05.2024, 5:00 PM, Room No. 105, Block B, USCT, GGSIPU, Sector 16 C, Dwarka, New Delhi - 110078

Copy to:

1. In-Charge, Server Room-with a request to upload the same on University Website
2. Project file

Handwritten signature and date: 01.05.24

**University School of Chemical Technology
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY**

Sector: 16C, Dwarka, New Delhi-110 078

Ref. No.: GGSIPU/USCT/PROJECT/PUR/2024/3

Date: 01.05.2024

NOTICE INVITING QUOTATION

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S. No.	Item	Technical Specifications	Qty.
1.	Automatic Membrane Casting Machine	<p>(i) Machine travel length (Coating length): More than 300 mm (ii) Coating width: 250 mm; (iii) Flat Sheet Membrane size: A4 size sheet (iii) Casting Bed in user's scope: Glass Plate; (v) Casting Blade: SS 304, Length 22 cm with diamond finish; (vi) Casting Speed Control: Variable speed (vii) Head control resolution: 0.001 mm, Range: 25 mm; (viii) Casting Speed setting: Knob control (manually); (ix) Mounting: Table Top for lab experiments (x) Slurry: Built in a slurry guiding plate to make coating material evenly distributed ahead blade; (xi) Micrometer: Micrometer head (No 2) (xii) Slurry Capacity: Manual poring as required; (xiii) Operation: Semi-automatic (xiv) Speed: Speed variable with digital display; (xv) Material of Construction: Main Body SS 304 grade; (xvi) Electrical: Voltage: 220-240V Frequency: 50Hz Power (Max): 300 W Connection: Grounded, single-phase outlet.</p> <p>(xvii) Other eligibility criteria a) Firm should have executed at least one supply order of the similar instrument in in the last two financial year to Public sector undertaking, Govt. department, Educational Institutions, Research Institutional or in reputed private sector. This should be certified by an authorized officer of the client organization on its letter-head. b) The Manufacturer/firm/vendor should have an authorized service centre in NCR region only. c) Authorization letter of the OEM. d) That the bidder/ organization has not been debarred or blacklisted by any of the Central/State Government/Departments /Organizations/Central or State PSU in last 3 years. e) Comprehensive on-site warranty for a period of 36 months from the date of completion/ installation for the items.</p>	01

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Praveen
01.05.24