

**Department of Chemical Engineering
Indian Institute of Technology
Hauz Khas, New Delhi-110 016**

NOTICE INVITING QUOTATIONS

Dated: **1 AUGUST, 2014**

NIQ Ref. No: **IITD/CHEM/2014-2015/AUG/MKR**

Subject: **Purchase of Gel Electrophoresis and Gel Doc**

Invitation for Tender Offers

Indian Institute of Technology Delhi invites sealed tender offers in two bid format (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for **supply, installation & integration of Gel Electrophoresis and Gel Doc** with three years on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document.

The quotation should reach to Department of Chemical Engineering IIT Delhi, Hauz Khas, New Delhi – 110016 latest by 5:00 P.M. on August 19, 2014.

TECHNICAL SPECIFICATION:

Sl. No.	Technical Specifications
1.	A Horizontal electrophoresis system
2.	System should be supplied with a horizontal electrophoresis system with gel caster which is able to run the gel size of 15x10, with 1.5mm 15 & 20 well combs. Additional system with the gel tray size of 7x10 cm should also be provided along with combs and related accessories. Should be from the same manufacturer and not quoted from third party vendor.
3.	One pack of 10% fast running stain free gel solution sufficient to cast as many as 50 gels of 1.00 mm thickness should be provided. Should be of the same manufacturer and not quoted from third party vendor.
4.	System should also be supplied with a basic power supply (300 V). Should be from the same manufacturer and not quoted from third party vendor.

5.	System should have Image resolution >4 mega pixels for resolving closely spaced bands on a gel or blot.
6.	System should have 4.6 x 4.6 µm pixel size & >3.0 orders of linear dynamic range
7.	System should be completely automatic & user does not have to zoom, focus, adjust aperture or select light source.
8.	System should have UV, White light and an option of Blue Tray.
9.	System should be stain-free technology enabled.
10.	System should require only one emission filter to accommodate a large portfolio of detection methods: ethidium bromide, SYBR® Green, SYBR® Safe, SYBR® Gold, GelGreen, GelRed, Fast Blast™, SYPRO Ruby, Flamingo™, Oriole™, CY3, rhodamine, green fluorescent protein, Hoechst, Krypton, silver stain, copper stain, zinc stain, Coomassie Brilliant Blue, Coomassie Fluor Orange, and other spectrally similar stains, labels, and dyes.
11.	Should have lens flat-fielding calibration for each sample tray to delivers image data that are always optimized and reproducible without imaging artifacts, providing superior image uniformity and quantitation
12.	Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis.
13.	Should have automated workflow recorded in a protocol file from image capture to results thus eliminates need for training.
14.	Should have automated image capture driven by a selected gel or blot application.
15.	Should have the capability of automated normalization.
16.	Housekeeping Protein Free normalization should be possible using the stain free technology
17.	Should have one-button acquisition from image capture to result.
18.	Should generate the publication ready images with one click export option.
19.	Should generate customizable reports.
20.	Compatible desktop (preferably 21 inches monitor) and UPS should be provided along with the system.

TERMS and CONDITIONS:

1. The quotation, in sealed envelope marked as “Quotation **Gel Electrophoresis and Gel Doc**” should reach the following address.

**Dr. Manojkumar Ramteke,
Department of Chemical Engineering,
Block II,
IIT Delhi, Hauz Khas,
New Delhi-110 016
India**

The above sealed envelope must contain two separate envelopes: one marked as ‘Technical Bid’ and the second marked as ‘Financial Bid’.

2. The delivery period should be clearly indicated in the quotation.
3. Submitted quotations should clearly mention the validity period, preferably for a minimum of 3 months.
4. Guaranty or warranty period should be specified.
5. The mode of payment should be clearly indicated.
6. All other general terms of delivery should be specified with quotation.
7. Payment will be done under EFT (Electronic Fund Transfer) / RTGS (Real Time Gross Settlement) scheme.
8. If the item quoted is proprietary in nature, please enclose proprietary certificate from the principals stating “certified that “-----” is a proprietary item of “-----” and no other manufacturer make these items”.

Dr. Manojkumar Ramteke,
Department of Chemical Engineering,
IIT Delhi