

All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29
(RESEARCH SECTION)

Ref. No. 22/Prop/Anat/NR/2019-20/RS

Dated: 07.10.2019

Subject: Purchase of 2D Protein Apparatus for the Deptt. of Anatomy, AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

The request has been received from Dr. Neerja Rani, Deptt. of Anatomy, AIIMS to purchase the subject item from **M/s BSP Diagnostic Systems (P) Ltd. (Mfg. by M/s Bio-Rad Laboratories (India) Pvt. Ltd.** on proprietary basis. The proposal submitted by **M/s BSP Diagnostic Systems (P) Ltd.** and Performa Invoice and Departmental PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **No. 22/Prop/Anat/NR/2019-20/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **22/10/2019 upto 12:00 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

STORES OFFICER (RS)

Encl: Related documents enclosed.

- 1. PAC Certificate enclosed.**
- 2. Performa Invoice**

Specifications of 2D Electrophoresis setup: One

First dimension Iso Electric focusing - 1

- System should have basic unit, positive and negative electrode assembly, power range 100-240VAC.
- System should include Individual Lane Control and flexibility for running different samples, pH Gradients and focussing protocols in a single run.
- System should have touch screen User Interface for easy easily creating and editing protocols and setting up the program rapidly.
- System should have rehydration/sample buffer, leveling bubble and instruction manual.
- System should include dedicated site for online data interpretation for Graphing data, Comparing lanes and generating reports.
- System should include run mode flexibility- to run IPG strips gel Side Up, Gel Side Down and with cup loading configuration.
- System should have voltage 0–10,000 V, 1 V increments(50-10000V)
- Current range should be 0–100 µA per lane, 1 µA intervals
- System should have power range of 0–1 W per lane.
- System should have peltier based cooling platform.
- Temperature range should be 10–25°C ±1.0°C max ambient 23°C 18–25°C ±1.0°C max ambient 31°C.
- Focusing trays should be made of polycarbonate for contaminant free process.
- System should accommodate IPG strip length 7, 11, 13, 17, 18, and 24 cm.
- System should have consumables and accessories for 150 complete experiments.
- System should have display QVGA resolution (320 x 240) touch screen or mouse control

2nd Dimension System:-

- System should have comprehensive and flexible, easy, user friendly, application directed software for 2-D gel analysis, additional license integration with the spot cutter seamless integration.
- Software should be upgraded and updated for the warranty and CMC period.
- System should have Automatic Spot Detection & Quantification.
- System should have Simultaneous analysis of more than 15 gels
- System should have Automatic matching without manual land marking
- System should have ability to detect and separate merged, overlapping spots.
- There should be background removal algorithm for most accurate representation of faint abundance proteins.
- There should be Ruby Gel Filter for noise removal.
- System should have gel Normalization with total quantity in valid spots or total density in gels or local regression levels

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- There should be Gel land marking and automatic spot matching
- System can Export XML data and JPEG file format
- There should be Group consensus feature to review consensus data for individual gels classes or replicate groups
- System should have Unbiased standard deviation formula to calculate coefficient of variation for groups and classes
- There should be Different analysis tool : Spot review tool, Scatter plot tool, Student t-Test, Fold changes, Boolean analysis etc
- System should have Interactive review analysis tool for analysis of sets of gels – Page of Graphs.
- System should create analysis sets which integrate the functioning of spot cutter.
- System can be integrated with data from IMAGING SYSTEM , SPOTCUTTER etc

Midi size electrophoresis system : Qty 1 Unit

- Number of Gels should be 1-4
- System should have ready Gel precast gels
- Hand cast gels Cast using the spacer plates
- System should have 1mm gel thickness casting stand; 2 litres,10x running buffer
- Glass plate size (W x L) Short plate 16 x 20 cm Spacer plate 18.3 x 20 cm
- System should have two casting frames, 4 each: combs, plates to accommodate at least 16X16 cm gel size.
- Precast should be 8.6 x 6.8 cm
- Typical upper buffer volume should be 350 ml
- Typical lower buffer volume should be 1.1 lit.
- System should have consumables and accessories for 150 complete experiments.

Power Pac Universal: 1

- System should have output range of 10-500 V with fully adjustable in 1V steps.
- System should have output with 4 pair jacks in parallel.
- Current range should be 0.01- 2.5A
- Power should be 1-500 W
- Out put with constant voltage, constant current, or constant power with automatic crossover
- Timer should be 1-99 hrs 59 min, fully adjustable with pause/resume function
- System should have operating conditions in the range of 0-40 degree celsius, 0-90% humidity or better.
- Volt hour control should be 99000 v-Hr
- System should be Programmable
- No of out put should be 4

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- System should have safety features of No-load detection, sudden load change detection, ground leak detection, overload/short circuit protection, overvoltage detection, input line protection, auto power-up after power failure


Trans blot- Semi dry, complete system : 1

- System should have gel holder cassettes that accommodate the gel specified in 1D system
- System should have consumables and accessories for 150 complete experiments.
- There should be Trans-Blot SD body molded polycarbonate
- System should have Anode Platinum-coated titanium
- System should have Cathode Stainless steel
- System should have Anode platform Precision machined acrylic
- Overall size should be 37 cm x 24 cm x 11 cm
- Maximum gel size should be 25 cm x 18.5 cm
- The system should transfer cell allows fast, efficient, economical blotting without a buffer tank or gel cassettes.
- Transfer takes place in as little as 15-60 minutes.
- The system should have Capacity to transfer up to 4 Mini-PROTEAN precast or handcast gels or 3 Criterion gels
- 2 KVA online UPS with 10-15 min back up, suitable Computer & Printer quoted with system and suitable reagents like IPG strips, starter kit should include with system for demo.

General mandatory features for all systems

- System should have 5 years of warranty and additional 5 years of CMC after warranty.
- System should have compliance- U.S. FDA 21 CFR part 11, regulatory certification- EN61010, European CE, US FDA
- All the hardware, software and consumables should be from the same patent authority
- System should have 2KVA online UPS
- Laptop (i5, 15", 8RAM, 1TB HDD, with windows 10) and printer for software and data storage
- System should have installation and demonstration performed at the institute, within 25 days else penalty clause of 25 machines cost will be charged per day.


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PROPRIETARY CERTIFICATE

This is to certify that **PowerPac™ Universal Power Supply p/n 164-5070** is a product of Bio-Rad Laboratories, Inc., 1000 Alfred Nobel Drive, Hercules, California 94547 USA, which is covered by the following US patents and related applications owned by Bio-Rad Laboratories, and foreign equivalents thereto:

U.S. Patent No. 7,324,354 (Wide Range Power Supply), Issued 29 Jan 2008, Expires 06 Jul 2026

For Bio-Rad Laboratories Inc.

Authorized Signatory

Patricia Gee
Regulatory Affairs Representative

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PROPRIETARY CERTIFICATE

This is to certify that the **PROTEAN® i12™ IEF product line, p/n 1646000 and 1646001** are products of Bio-Rad Laboratories, Inc., 1000 Alfred Nobel Drive, Hercules, California 94547 USA, which are covered by the following US patents and related applications owned by Bio-Rad Laboratories, and foreign equivalents thereto:

U.S. Patent No. 5,632,877 (Rapid Assembly Electrophoresis Cell for Slab Gels), Issued 27 May 1997, Expires 27 May 2016

U.S. Patent No. 8,282,803 (Isoelectric Focusing Tray and Electrode assembly for Alternate Gel Strip Orientations), Issued 09 Oct 2012, Expires 05 Nov 2030

U.S. Patent No. 6,655,649 (Assembly for Casting and Use of an Isoelectric Focusing Strip), Issued 02 Dec 2003, Expires 11 Mar 2022

For Bio-Rad Laboratories Inc.

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PROPRIETARY CERTIFICATE

This is to certify that the **PROTEAN® II xi product line, p/n 1651801, 1651802, 1651803, 1651804, 1651811, 1651812, 1651813, and 1651814** are products of Bio-Rad Laboratories, Inc., 1000 Alfred Nobel Drive, Hercules, California 94547 USA, which are covered by the following US patents and related applications owned by Bio-Rad Laboratories, and foreign equivalents thereto:

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PROPRIETARY CERTIFICATE

This is to certify that **Trans-Blot® SD Semi-Dry Electrophoretic Transfer Cell p/n 170-3940** is a product of Bio-Rad Laboratories, Inc., 1000 Alfred Nobel Drive, Hercules, California 94547 USA, which is covered by the following US patents and related applications owned by Bio-Rad Laboratories, and foreign equivalents thereto:


U.S. Patent No. 8,075,755 (Polymeric Sorbent Sheets for Western Blotting), Issued 13 Dec 2011,
Expires 16 Nov 2029

U.S. Patent No. 8,444,839 (Polymeric Sorbent Sheets for Western Blotting), Issued 21 May 2013,
Expires 13 Dec 2027

For Bio-Rad Laboratories Inc.

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CHANNELIZING BIG IDEAS...
AN ISO 9001 : 2008 CERTIFIED COMPANY

Quot BSP/19-20/51
Dated 18/9/19

Dr. Neerja Rani
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PERFORMA INVOICE

Catalog #	Description	Qty	Spl. Discounted Unit Price INR	Spl. Discounted Price Final Price INR
1646000	<p>Protean i 12 IEF Isoelectric Focussing System, 90-240VAC, Includes:</p> <p>Basic Unit, Positive & negative electrode assembly, 7, 11, and 17 cm focusing trays, 1 pack each of 7, 11, and 17 cm rehydration/equilibration trays, 2 pairs of forceps, 2 packs of electrode wicks for gel-side down and gel-side up applications, mineral oil, 2 cleaning brushes, cleaning concentrate, 2 USB flash drives, 3 styluses, pH 3-10 ReadyStrip IPG strips (7, 11, and 17 cm lengths), rehydration/sample buffer, leveling bubble, and instruction manual. Consumables for 150 samples.</p> <p>Features:</p> <p>The PROTEAN i12 IEF system offers individual lane control—a novel feature that allows multiple lanes to be run simultaneously, each with a different sample, pH gradient, and protocol, resulting in time savings and improved reliability. The flexible system works with ReadyStrip™ IPG strips to provide many separation range options. The PROTEAN i12 IEF system provides a unique solution for first-dimension separations.</p> <p>Individual Lane Control Optimize experiments in fewer runs Run multiple experiments at once Obtain better quality data with less experimental risk — one, irregular sample cannot compromise the entire run. Touch Screen User Interface Easily run programs and edit and create protocols Flexible Electrode and Tray Design. Run IPG strips gel-side down or gel-side up or load sample with cups, all within the same tray. Durable polycarbonate trays supply sufficient heat transfer for accurate and reproducible pI determination</p> <p>Specifications: Input power 100-240 VAC, 50/60 Hz Voltage per lane 0-50-10,000 V, 1 V increments</p>	1	₹ 1,350,000.00	₹ 1,350,000.00
1709630	<p>PDQUEST-ADVANCED SW, FEATURES: PDQuest software offers comprehensive and flexible 2-D gel analysis. Choose PDQuest Basic software for simple 2-D gel analysis or</p>			

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3rd Floor, Atlantic Plaza, L.S.C., Plot No. 08, Central Market, Surajmal Vihar, Delhi-110092
Tel: +91-11-47542400 (8 Lines), Fax: +91-11-43027037 E-mail: ho@bspds.com, Website : www.bspds.com
Registered Office : 103, Parivar, 30, I.P. Extension, Delhi-110092

	Right-click menus for quick access to common commands True multiplatform files for PC and Mac TIFF file import; TIFF and JPEG file export Image Optimization and Visualization PROTEAN II xi Cell,			
1651803	Large format vertical electrophoresis cell, 16 x 16 cm gel size, 4 gel capacity, includes four 1.0 mm spacers, two 15-well combs, 2 sets of glass plates, 2 sets of sandwich clamps, casting stand, upper buffer dam, alignment card with leveling bubble	1		
1703940	Trans-Blot® SD Semi-Dry Electrophoretic Transfer Cell, Semi-dry electrophoretic transfer cell, includes agarose gel support frame, extra thick blot paper in 4 sheet sizes. The Trans-Blot® SD semi-dry transfer cell allows fast, efficient, and economical blotting without a buffer tank or gel cassettes. Western, Southern, or northern transfers can be completed in 15–60 min with minimal buffer requirements. The Trans-Blot SD semi-dry electrophoretic transfer cell includes the cell, one Trans-Blot SD agarose gel support frame, and four packs of extra thick blot paper (60 sheets each, 7 x 8.4 cm, 8 x 13.5 cm and 30 sheets each, 14 x 16 cm, and 18 x 18.5 cm).	1		
1645070	PowerPac™ Universal Power Supply, 100–120/220–240 V, power supply for a broad range of electrophoresis and blotting applications, includes power cord Volts: 10-500 V, fully adjustable in 1 V steps Current: 0.01- 2.5A, fully adjustable in 0.001 A steps Power: 1-500 W, fully adjustable in 1 W steps Type of output: Constant voltage, constant current, or constant power with automatic crossover	1		
NPN	HP 280 G3 MT Business Desktop Intel Core i-5 Processor, 4GB DDR-2400MhZ/ 500 GB SATA HDD, DVD-RW/ US Keyboard & USB Optical Mouse, USB Ports, gigabit LAN Ports, one PCI Slot & one Serial port, MS Windows 7 Professional 64-bit Preloaded, HP 18.5" wide LED Monitor,	1		
NPN	APC 2KVA online UPS (SRC2000XLI-CC) with Inbuilt battery 10-15 minutes Backup	1		
NPN	Printer (Local Supply)	1		
	Total Ex -Woork Spl. Discounted Price			₹ 1,350,000.00
	Taxes: GST@5%(Against document)			₹ 67,500.00
	For Destination AHIMS			₹ 1,417,500.00


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Terms and Conditions

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Validity : 120 Days

Delivery: 3-4 weeks from the date we receive your confirm order.

Payment : 100% on delivery in favour of BSP Diagnostic Systems (P)Ltd:-

Order to be placed in favor of BSP Diagnostic Systems (P) Ltd

GST 5% If DSIR certificate is provided ,otherwise will be charged @18.

CMC charges from 6th to 10th Rs.65000/ year with increment of 10% plus service taxes extra as applicable

For BSPDiagnostic Systems (P) Ltd

Hemlata Pandey

Mob:9953539936



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