

**Centre for Bioinformatics  
School of Life Sciences  
Pondicherry University  
Puducherry-605014**

Sealed quotations under single bid systems are invited for the purchase of the **Mini Vertical and Horizontal Electrophoresis Units with a suitable power supply system** under UGC-Major research project. The quotations duly signed and sealed should be submitted to **Dr. A. Dinakara Rao, Centre for Bioinformatics, Pondicherry University, Puducherry-605 014.**

The quotation/Limited Tender should be sent by post (normal/speed/Registered/courier) only. The price quoted should include all the costs such as delivery, installation, testing etc and also inclusive of all taxes. Warranty terms should be explicitly specified in your quotation. The technical specifications are given below. Last date for receiving quotation/Limited Tender is **18.12.2013**

**Name of the required item:**

**1. Standard Twin Plate Mini-Gel Electrophoresis Unit: 1No.**

- Twin-plate mini-gel unit with GRM and gel tank, lid, 2x(10x10cm;w x h) plain glass plates, 4x1 mm spacers, 2x spacer aligners, 2x(10x10cm) notched glass plates, 1xdummy plate and 2x 1mm thick 12-sample combs plus casting base and 2 x silicone seals. Electrophoresis unit should be able to run 2 PAGE gels at a time. Unit should have built-in heat exchanger to maintain the temperature uniformly. The top buffer tank should be made in chemical resistant material. The unit must be included with safety electrical wire to prevent the electrical damage to the unit or to the users. The complete unit must be supplied with essential accessories for at least 2 gels, etc.

**Technical Specification:**

- Unit Dimensions (W x D x H): 20 x 15 x 14 cm
- Inner Tank Dimensions (W x D x H): 16.5 x 11 x 11.5cm
- Plate Dimensions (W x H x T): 10 x 10 x 0.2 cm
- Standard Spacer Dimensions (W x H x T): 1 x 10 x 0.1 cm
- Active Gel Dimensions (W x H): 8 x 8.5 cm
- Maximum Sample Capacity: 2 x 16
- Recommended Buffer Volume: Inner Buffer Chamber: 90 ml  
Gel Tank: 1200 ml
- Snap Lock Connectors for Cooling Coil: Inner Diameter n/a  
Outer Diameter n/a
- Quick-fit Tubing: Inner Diameter n/a  
Outer Diameter n/a
- Casting Base Silicone Seal Dimensions (W x L x H): 1.5 x 11 x 0.8 cm
- Power Output Connectors (diameter): Shrouded, 4 mm
- Recommended Power Supply: E111130 - EV245

### **Accessories for Standard Twin Plate Mini Gel Electrophoresis Unit:**

- Gel running module: 1
- Quick-fit tubes for cooling coil: 2
- (10x10cm)plain glass plates with 1.5 mm bonded spacers: 2
- (10x10cm)plain glass plates: 2
- (10x10cm)notched glass plates: 2
- (10x10cm) dummy plate: 1
- 1.5 mm thick spacers: 2
- Spacer aligners: 2
- Cam-pin casting base with 2 silicon seals: 1
- Silicon seals for cam-pin casting base: 2
- Caster system for 2x(10 x10cm) gradient mini-gels: 1
- Caster system for 10x(10 x10cm) gradient mini-gels: 1
- Silicon gaskets for “non-eared” glass plates: 2
- 0.2mm thick, platinum electrode wire: 2
- 1 metre power leads with shrouded 4 mm power connectors: 2
- Combs (Thickness 1.5mm, 8-wells, well volume: 120µl): 1
- Combs (Thickness 1.5mm, 16-wells, well volume: 55µl): 1

### **2. Mini Horizontal Submarine Gel Electrophoresis System: 1No.**

- Mini horizontal gel unit with removable casting tray and 2x1mm thick, 8-sample combs and coloured loading strips

### **Technical Specifications:**

- Unit Dimensions (W x L x H): 13 x 24 x 6.5 cm
- Gel Dimensions (W x L): 6 x 7.5 cm
- Buffer Volume: 325 ml
- Maximum Sample Capacity: 32
- Combs: 2
- Comb Thickness: 1.5mm
- Comb Throughput: 8 to 16 samples
- Comb Slots: 2
- Migration Distance between Combs: 3.5 cm
- Recommended Running Voltage: 70 to 90V
- Power Output Connectors (diameter): Shrouded, 4 mm
- Recommended Power Supply: E111130-EV245

### **Accessories for Mini Sub System Mini Horizontal:**

- Gel casting tray 6 x 7.5cm: 1

- Silicon casting gates: 2
- Silicon gasket, 1 mtr: 1
- Scie-Plas Super seals: 2
- Coloured loading strips: 6
- External casting unit for 3 gel casting trays: 1
- Gel scoop 6 x 8.5 cm: 1
- 0.2mm thick, platinum electrode wire: 2
- 1 metre power leads with shrouded 4mm power output connectors: 2
- Comb, Thickness 1.5 mm, 8-wells, well volume:30µl: 1
- Comb, Thickness 1.5 mm, 16-wells, well volume:15µl: 1

### **3. Midi Horizontal/Midi Sub System: 1No.**

- Midi horizontal gel unit with removable casting tray: 2x1mm thick 16-sample combs, coloured loading strips and buffer recirculation ports

#### **Technical Specifications:**

- Unit Dimensions (W x L x H): 20 x 32 x 7 cm
- Gel Dimensions (W x L): 12.8 x 15 cm
- Buffer Volume: 900 ml
- Buffer Recirculation Ports: 2
- Maximum Sample Capacity: 112
- Combs: 2
- Comb Thickness: 1.5
- Comb Throughput: 10 to 28 samples
- Comb Slots: 4
- Migration Distance Between Combs: 3.5 cm
- Recommended Running Voltage: 100 to 125V
- Power Output Connectors (diameter): Shrouded, 4 mm
- Recommended Power Supply: E111130-EV245

#### Accessories for Midi Sub System/Midi Horizontal:

- Gel casting tray 12.8 x 15cm: 1
- Silicon casting gates: 2
- Silicon gasket, 1 mtr: 1
- Scie-Plas Super seals: 2
- Coloured loading strips: 6
- External casting unit for 3 gel casting trays: 1
- Gel scoop 13 x 15 cm: 1
- 0.2mm thick, platinum electrode wire: 2
- 1 metre power leads with shrouded 4mm power output connectors: 2
- Combs, Thickness 1.5 mm, 10-wells, well volume:60µl: 1

- Combs, Thickness 1.5 mm, 16-wells, well volume:35 $\mu$ l: 1

#### **4. Power supply:** Power Pack 300V

The Power supply should be capable to operate four (or more) electrophoresis units simultaneously for identical runs.

**Output Voltage:** The output range should be 10-300Volts in 1-Volt steps or better. **Output current:** 4-400mA, in 1mA steps, or better

**Output power:** 75 watts or more

**Timer Control:** 0-999minutes.

**Terminals/ Sockets:** Four Output terminals or more

**Input Voltage:** 230V  $\pm$ 10VAC, 50Hz

**Safety:** All necessary safety provisions like over load, No load, sudden change in load, power failure indication, Over Temperature and safe plugs and sockets

## TERMS AND CONDITIONS

### I. General Information:

a) **Last date and time of receipt of the Limited Tender: 18 December, 2013 at 3.00 PM**

b) Quotation/ Limited Tender document Fee: Rs.500/-

c) EMD rates: 2.5% of the quoted price

d) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, Compatibility with the existing System, etc.

e) The Quotation/Limited Tender Document Fee and EMD should be submitted along with your quotations.

f) The Tender must be submitted along with the stipulated EMD fee in the sealed cover, superscripting "**Tender for Electrophoresis Units**". The name and address of the bidder should also be mentioned at the "From address" space.

g) The Tender should be addressed and posted to the following address by speed, registered post or by courier.

**Dr. A. Dinakara Rao, Centre for Bioinformatics, Pondicherry University Puducherry – 605 014**

h) Limited Tenders will not be accepted through fax / e-mail.

### II. Common Conditions (Import or Indigenous)

#### *1. Price Schedule*

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the Delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

#### *2. Quoting the Core price & Tax, Duties, Discount etc.*

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

#### *3. Eligibility:*

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six

years as on the date of this Tender and must have executed at least three orders for this kind of Equipment) during the last three years.

#### ***4. Duty Exemption***

The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Research (DSIR), India, vide their Notification No.10/97, dated 01-03-1997 and No.51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.
- b) Accessories and spare parts of goods specified in (a) above and consumables.
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.
- d) Prototypes.

Customs duties at Indian port, if any, will be to the account of the University.

#### ***5. Technical Specifications***

- i. **WARRANTY:** The Equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (preferably 3 years) from the date of putting the system into operation at the Department of Biotechnology, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment.
- ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
- iii. Complete technical specifications of the Equipment including the Operating system to be included in the bid.
- iv. The necessary service support should be provided by Bidder during the agreement period.
- v. The training should be provided by the supplying companies.
- vi. Operating Manual should be provided in English.
- vii. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.
- viii. If the Equipment is proprietary a product, a proprietary product certificate should be enclosed.

ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.

x. **The validity of the each quotation should be at least for THREE MONTHS from closing date.**

xi. The offers will not be considered if received after the bid closing date and time.

xii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.

xiii. The University shall not be responsible for any delay / loss or non-receipt of the tender by post / courier service.

xiv. No unsolicited correspondence shall be entertained after the submission of the offer.

xv. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.

xvi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University.

xvii. Tender is not transferable.

xviii. In case of any dispute in respect of the Tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

***6. Power to reject the offer:***

i. Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

ii. No Agency commission will be paid to any authorized agent in India.

iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.

iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective Equipment.

v. The Bidders must enclose authorization letter from the respective global / national service providers of the above said Equipment particularly mentioning an undertaking that in case of

default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.

vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

### **III. Specific Conditions for Imported Equipments**

#### **1. Payment of EMD:**

The Quotation/Limited Tender must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favour of **The Finance Officer, Pondicherry University, payable at Puducherry.**

The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.

#### **2. Payments terms:**

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the furnace to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in US Dollars or in major foreign currencies.

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**Annexure – I**

S.No	Equipment Name	QTY
1	Standard Twin Plate Mini-Gel Electrophoresis Unit	1No
2	Mini Horizontal Submarine Gel Electrophoresis System	1No
3	Midi Horizontal/Midi Sub System	1No
4	Power supply: Power Pack 300V	1No